

Supplementary Material.—Original paleobotanical data as follows.

Part 1. Megafossils from the Permian-Triassic of South China (1—144 pages);

Part 2. Microfossils from from the Permian-Triassic of South China (145— 234 pages).

Part 1. Megafossils
Permian
Kungurian-Roadian (10 Sections Studied)

Hunan (1982 Cheng, Tiziyan, Luota Coal Field, Longshan County; Sangzhi County; Zengping, Jingxian County, Liangshan Formation; 1977 Feng et al., Sangzhi County, Qianyang Coal Series of Qixia Formation)

Lepidodendron Sternberg 1820

Lepidodendron sp.1 1982 Cheng, p.509.pl.325,5,6.

Lepidodendron sp.2 1982 Cheng, p.510.pl.325,7.

Plagiozamites Zeiller 1894

Plagiozamites oblongifolia Halle 1982 Cheng, p.513.pl.329,9.

Sigillaria Brongniart 1822

Sigillaria sp. 1977 Feng et al.,p.635.pl.234,14.

Hubei (1951 Sze, Songmuping, Yidu County, Ma'anshan Coal Series; 1977 Feng et al., Yicheng County; 1989 Mei et al., Eastern Sanxia, Ma'an Section of Qixia Formation)

Lepidodendron Sternberg 1820

Lepidodendron ituense Sze 1951 1951 Sze, pl.I,4; 1989 Mei et al., pl. 163.

Lepidodendron oculus-felis (Abbado) Zeiller 1951 Sze, pl.I,3; 1989 Mei et al., pl. 163.

Sphenophyllum Brongniart 1828

Sphenophyllum thonii Mahr 1868 1977 Feng et al.,p.638.pl.235,12.

Sigillaria Brongniart 1822

Sigillaria acutangula Halle 1951 Sze, pl.I,1,2.

Yunnan (1974 Gu et Zhi, Zhanyi; 1989 Mei et al., Huize, Kuangshanchang Coal Series)

Lepidodendron Sternberg 1820

Lepidodendron varium Gu et Zhi 1974 1974 Gu et Zhi, p.29.pls.13,8;14,1-2; 1989 Mei et al.,pl.6,5.

Pecopteris (Brongniart 1822) Sternberg 1825

Pecopteris sahnii Hsü 1974 Gu et Zhi, pl.58,15-16; 1974 Wu et Deng, p.317.pl.168,1,2; 1974 Li et al., p.317.pl.168,1,2.

Pecopteris (Asterotheca) huichensis Hsü 1974 Gu et Zhi, pl.56, 3-6.

Pecopteris yunnanensis Hsü 1974 Gu et Zhi, pl.59,8-10.

Tobleria Jongmans et Gothan 1925

Tobleria monor Hsü 1974 Gu et Zhi, pl.155,5-6.

Sichuan (1959 Asama, Panzhi, Liutang Formation)

Emplectopteridium Kawasaki 1934

Emplectopteridium kawasakii Asama 1959 1959 Asama, pl.XI,5-7.

Emplectopteris Halle 1927

Emplectopteris triangularis Halle 1959 Asama, pls.IV,4; XIV,4.

Fujian (1959 Asama, Fuzhou, Liutang Formation)

Emplectopteridium Kawasaki 1934

Emplectopteridium kawasakii Asama 1959 1959 Asama, pl.IX,2.

Wordian-Capitanian (32 Sections Studied)

Xizang (1985 Li et al., Xiagang River, Gaize County; 1990 Hsu et al., Dingri and Dingjie County; 1995 Li et Rigby, Qubu, Qubu Formation)

Alethopteris Sternberg 1825

Alethopteris sp. 1985 Li et al., pl.III,6.

Asterotheca Presl 1846

Asterotheca sp. 1990 Hsu et al.,pl.I,4,4a.

Austroanularia Rigby 1988

Austroanularia qubuensis (Hsu) Rigby 1990 Hsu et al.,p.237.

Cardiocarpus Brongniart 1880

Cardiocarpus sp. 1985 Li et al., fig. 17-a.

Carpolithus Wallerius 1747

Carpolithus sp. 1985 Li et al.,pl.III,3b.

Cladophlebis Brongniart 1849

Cladophlebis qubuensis (Hsu) Li 1990 Hsu et al.,p.238.

Glossopteris Brongniart 1822

Glossopteris sp. 1990 Hsu et al.,pl.I,3,3a.

Glossopteris communis Feistm. 1990 Hsu et al.,p.236.

Glossopteris dingriensis Rigby 1990 1990 Hsu et al.,pl.I,5-9.

Glossopteris indica Schimper 1990 Hsu et al.,p.237(cf.).

Glossopteris xizangensis Li & Rigby 1995 1995 Li et Rigby, pl.III,4-6.

Noeggerathiopsis Feistmantel 1879

Noeggerathiopsis sp. 1985 Li et al., pl.IV,4-6.

Noeggerathiopsis hislopii (Bunbury) Feistmantel 1985 Li et al., pl.IV,1-3.

Paracalamites Zalessky 1932

Paracalamites australis Rigby 1990 Hsu et al.,p.238.

Pecopteris (Brongniart 1822) Sternberg 1825

Pecopteris sp.1 1985 Li et al., pls.I,7,7a;III,4.

Pecopteris sp.2 1985 Li et al., pl.I,6b.

Pecopteris sp.3 1985 Li et al., pl.III,2,2a,3a.

Pecopteris arcuata Halle 1985 Li et al., pl.III,1,1a.

Pecopteris qubuensis (Hsu) Li 1983 1995 Li et Rigby, pl.I,6,7.

Pecopteris unita Bgt. 1990 Hsu et al.,pl.238(cf.).

Phyllothea Brongniart 1828

Phyllothea sp. 1985 Li et al., pl.I,1-4.

Plagiozamites Zeiller 1894

Plagiozamites oblongifolius Halle
Samaropsis Geoppert 1864
Samaropsis xizangensis Li & Rigby 1995 1995 Li et Rigby, pl.III,8.
Schizoneura Schimper et Mougeot 1844 1985 Li et al., pl.III,7,7a.
Schizoneura sp. 1985 Li et al., pl.I,5,5a,6a.
Sphenophyllum Brongniart 1828
Sphenophyllum minor (Sterzel) Gu et Zhi 1990 Hsu et al.,pl.I,1,1a.
Sphenopteris (Brongniart 1822) Sternberg 1825
Sphenopteris sp. 1985 Li et al., pl.III,5,5a.
Sphenopteris xiagangjiangensis Lee 1985 1985 Li et al., pl.II,1-6.
Trizygia Royle 1839
Trizygia speciosa Royle 1990 Hsu et al.,pl.I,2,2a.

Hunan (1983 Yao, Nibakou, Yongxing County; Sandu, Leiyang County; 1985 Feng et Zhu, Leiyang County, Douling Formation)

Cathaysiopteris (Halle) Koidzumi 1936
Cathaysiopteris crassinervis Feng et Zhu 1985 1985 Feng et Zhu, pl.I,8.
Gigantopteris (Schenk) emend. Gu et Zhi 1974
Gigantopteris nicotianaefolia Schenk 1983 Yao, pls.I,1a,2a,3-6;II,1-5;III,1-5.
Rhizomopsis Gothan et Sze 1933
Rhizomopsis gemmifera Gothan et Sze 1983 Yao, pl.I,1b.
Tingia Halle 1925
Tingia carbonica (Schenk) Halle 1983 Yao, pl.I,2b.

South Jiangsu (1988 Yao et Taylor, Funiu Hill, Zhenjiang City)

Szea Yao et Taylor 1988
Szea sinensis Yao et Taylor 1988 1988 Yao et Taylor, pls.I-IV,1-3.

Jiangxi (1988 Mei et Liang, The Dpression of Middle Jiangxi; 1996 He et al., Lvjiang Coal Field and Sishiba Town, Shangrao City; Xin'an Coal Field, Yanshan Hill; Shangrao Formation)

Lepidodendron Sternberg 1820
Lepidodendron oculus-felis (Abbado 1900) Zeiller 1901 1996 He et al.,p.18. pl.2,1-3.
Lepidophylloides (Brongniart) Snigirievskaia 1958
Lepidophylloides sp. 1996 He et al.,p.21.pl.1,5;3,3-4.
Lepidostrobophyllum Hirmer 1927
Lepidostrobophyllum caudatum (Stockman et Mathieu) Gu et Zhi 1996 He et al.,p.21.pl.2,5-7;3,1-2.
Stigmara Brongniart 1822
Stigmara ficoides (Sternberg 1820) Brongniart 1822 1996 He et al.,p.22.pl.3,5-6.
Trizygia Royle 1834
Trizygia speciosa Royle 1996 He et al.,p.24.pl.4,8a;5,5b;6,10-11.
Trizygia sino-coreana (Yabe) Asama 1996 He et al.,p.25.pl.4,2-7;7,5.
Trizygia pingxingensis He et al. 1996 1996 He et al.,p.26.pl.4,1.
Calamites Brongniart 1828

Calamites suckowii Brongniart 1828 1996 He et al.,p.29.pl.7,1.
Asterophyllites Brongniart 1822
Asterophyllites longifolius (Sternberg) Brongniart 1820-1838 1996 He et al.,p.29.pl.8,1-3.
Lobatannularia Kawasaki 1927
Lobatannularia ensifolia (Halle 1927) Halle 1928 1996 He et al.,p.33.pl.9,1.
Lobatannularia multifolia Kon'no et Asama 1950 1996 He et al.,p.34. pl.10,3-4; 11,5-6;97,2.
Tingia Halle 1925
Tingia carbonica (Schenk 1883) Halle 1925 1996 He et al.,p.36.pl.14,1-3;15,3b,4.
Tingiostachya Kon'no 1929
Tingiostachya santianensis He et al. 1996 1996 He et al.,p.38.pl.14,4;15,1-2,3a.
Sphenopteris (Brongniart 1822) Sternberg 1825
Sphenopteris tenuis Schenk 1883 1996 He et al.,p.40.pl.19,1-4,6-7.
Chansitheca Regè 1921
Chansitheca kidstonii Halle 1996 He et al.,p.41.pl.4,8b;19,5a.
Pecopteris Brongniart 1822
Pecopteris (Asterotheca) hemiteliodes Brongniart 1996 He et al.,p.41.pl.20,5-6.
Pecopteris sahnii Hsü 1996 He et al.,p.42.pl.21,1-4;22,1-2.
Pecopteris unita Brongniart 1996 He et al.,p.43.pl.30,1.
Pecopteris (Asterotheca) orientalis (Schenk) Potonie 1996 He et al.,p.44.pl.25,5;26,1-2.
Pecopteris tuberculata Halle 1927 1996 He et al.,p.42.pl.25,1.
Pecopteris wongii Halle 1927 1996 He et al.,p.43.pl.25,2.
Pecopteris lativenosa Halle 1927 1996 He et al.,p.44.pl.26,7;27,3-4;33,3;56,3.
Pecopteris anderssonii Halle 1927 1996 He et al.,p.44.pl.27,1-2.
Pecopteris shangraoensis He et al. 1996 1996 He et al.,p.47.pl.29,1-3.
Pecopteris lujiangensis He et al. 1996 1996 He et al.,p.47.pl.33,1-2.
Pecopteris echinata Gu et Zhi 1996 He et al.,p.44.pl.28,1-7.
Pecopteris crassinervis Yang et Chen 1996 He et al.,p.46.pl.36,3-4.
Pecopteris santianensis He et al. 1996 1996 He et al.,p.47.pl.36,1.
Acitheca Schimpere 1879
Acitheca cupressoides Gu et Zhi 1988 Mei et Liang, p.91.
Acitheca unifurcata Yang et Chen 1996 He et al.,p.48.pl.23,1-4;24,1-4.
Asterotheca Presl 1846
Asterotheca cupressoides (Gu et Zhi) Comb. He et al. 1996 1996 He et al.,p.48.pl.21,5-7; 22,3-5; 82,1-6;83,1-4.
Danaeites Goeppert 1836
Danaeites rigida (Yabe et Ôishi 1938) Gu et Zhi 1974 1996 He et al.,p.49.pl.29,6;33,4; 34,3-7; 35,1-6; 55,1.
Danaeites saraepontanus Stur 1883 1996 He et al.,p.50.pl.35,7.
Jiangxitheca He et al. 1996
Jiangxitheca xinanensis He et al. 1996 1996 He et al.,p.50.pl.36,5;37,1-4.
Pectinangium Gu et Zhi 1974
Pectinangium lanceolatum Gu et Zhi 1996 He et al.,p.51.pl.49,2-5.
Cladophlebis Brongniart 1849
Szea (Cladophlebis) cf. Sinensis Yao et Taylor 1996 He et al.,p.53.pl.38,1,3;39;40;41,5-6;83,5-6.

Cladophlebis ozakii Yabe et Ôishi 1938 1996 He et al.,p.54.pl.38,2.
Fascipteris Gu et Zhi 1974
Fascipteris (Ptychocarpus) densata Gu et Zhi 1996 He et al.,p.52.pl.46,1-7.
Fascipteris densatiformis He et al. 1996 1996 He et al.,p.46.pl.98,5-8.
Protoblechnum Lesquereux 1897
Protoblechnum contractum (Gu et Zhi) Sun et Shen 1996 He et al.,p.59.pl.45,4a.
Protoblechnum imparium (Gu et Zhi)(NO)
Neuropteridium Schimper 1869
Neuropteridium triangulare He et al. 1996 1996 He et al.,p.56.pl.44,4.
Gigantopteris (Schenk) emend. Gu et Zhi
Gigantopteris nicotianaefolia Schenk 1883 1996 He et al.,p.65.pl.47,1-2;48,1-2;49,1; 50,1; 51,1.
Gigantopteris dictyophylloides Gu et Zhi 1974 1996 He et al.,p.66.pl.48,3.
Gigantonoclea (Koidzumi) Gu et Zhi 1974
Gigantonoclea yabei (Kawasaki) 1996 He et al.,p.68.pl.56,1-2.
Gigantonoclea fukienensis (Yabe et Oishi) 1996 He et al.,p.69.pl.57,1-3.
Gigantonoclea cladonervis Mei et Lee 1996 He et al.,p.69.pl.58,1.
Gigantonoclea lagrelii (Halle 1927) Koidzumi 1936 1996 He et al.,p.67.pl.59,2.
Gigantonoclea guizhouensis Gu et Zhi 1996 He et al.,p.68.pl.52,1-4;53,1-3;54,1;55,3.
Gigantonoclea acuminatiloba (Shimakura) Gu et Zhi 1996 He et al.,p.67. pl.56,4(cf.).
Cathaysiopteridium Mei et Li 1989
Cathaysiopteridium fasciculiferum Lee 1996 He et al.,p.71.pl.58,2-3.
Remia Knight 1985
Remia cathaysiana Liu et Yao 1999 1999 Liu et Yao, pl.I,1,1a.
Rhizomopsis Gothen et Sze 1933
Rhizomopsis gemmifera Gothen et Sze 1933 1996 He et al.,p.91.pl.47,3-4; 51,2-3; 53,4;63,1-4.
Rhizomopsis striata He et al. 1996 1996 He et al.,p.91.pl.97,6-9.
Taeniopteris Brongnairt 1828
Taeniopteris shansiensis Halle 1927 (NO)
Cornucarpus Arber 1914
Cornucarpus shangraoensis He et al. 1996 1996 He et al.,p.89.pl.81,9-11.
Cathaysiophyllum Lan 1982
Cathaysiophyllum lobifolium (Yang et Chen) Lan et al. 1996 He et al.,p.90.pl.61,9;62,4-5.
Nystroemia Halle 1927
Nystroemia uniseriata Lan et Li H. M. 1996 He et al.,p.89.PL.64,4.

Fujian (1982 Li et al., Sanming; Niulan Hill, Yongding; Jiangshan Hill, Longyan City; Jiandou, Anxi Couty; 1989 Huang et al., Zengban, Dehua County; Tianhu Hill, Yongchun County; Jiandou, Anxi County; Kanshi, Yongding County, Tongziyan Formation; 1989 Mei et al., Tianhu Hill; Yongding County; Longyan, Tongziyan Formation; 1990 Zhu, Renhe, Jiangshan Hill, East Hill and Subang, Longyan City; Longtan Village, Fuling Village, Peifeng Village, Niulan Hill and Dingfeng Hill, Yongding County; Changta, Nanjing County; Jiafu, Yong'an City; Hanchun, Yongchun County, Tongziyan Formation)

Acitheca Schimper 1879

Acitheca cupressoides Gu et Zhi 1989 Huang et al.,p.40.pls.18-6;21-1,1a; 1989 Mei et al., p.165;

1990 Zhu, p.94.pl.32,9,9a.

Acitheca (Pecopteris) unifurcata Yang et Chen 1990 Zhu, p.94.pl.32,6.

Alethopteris Sternberg 1825

Alethopteris sp. 1989 Huang et al.,p.43.pl.21-3,3a.

Annularia Sternberg 1821

Annularia mucronata Schenk 1883 1990 Zhu, p.88.pls.26,9;36,3;44,2.

Aphlebia Presl 1883

Aphlebia sp.1 1990 Zhu, p.103.pl.46,5.

Aphlebia sp.2 1990 Zhu, p.103.pl.46,5.

Asterophyllites Brongniart 1822

Asterophyllites sp. 1989 Huang et al.,p.23.pl.5-4.

Asterophyllites longifolius (Sternberg) Brongniart 1820-1838 1989 Mei et al., p.165; 1989 Huang et al.,p.23.pl.4-1; 1990 Zhu, p.88.pl.26,1-4.

Asterotheca Presl 1845

Asterotheca sp. 1990 Zhu, p.94.pl.29,2,2a.

Calamites Suckow 1784

Calamites cystii Brongniart 1828 1990 Zhu, p.87.pl.25,10,10a.

Cardiocarpus Brongniart 1881

Cardiocarpus sp. 1990 Zhu, p.102.p.39,2.

Cardiocarpus cordai (Geinitz 1855) Gu et Zhi 1974 1989 Huang et al.,p.60.pl.29-5.

Cardiocarpus speculatus Mo 1989 Huang et al.,p.60.pl.29-4.

Carpolithus Wallerius 1747

Carpolithus sp. 1990 Zhu, p.102.p.37,3.

Cathaysiophyllum Lan, Li et Wang 1982

Cathaysiophyllum lobifolium (Yang et Chen) Lan, Li et Wang 1990 Zhu, p.103.pl.46,3.

Cathaysiopteridium Li (MS)

Cathaysiopteridium fasciculatum Li (MS) 1989 Huang et al.,p.47.pls.26-1,2,3,4;27; 1990 Zhu, p.96. pls.34,5-6;36,5.

Chansitheca Rege 1921

Chansitheca (Cladophlebis) anxiensis Li 1989 1989 Huang et al.,p.30.pls.10-1,2;11-1,2,3A,3a,3b.

Chiropteris Kurr 1858

Chiropteris reniformis Kawasaki 1990 Zhu, p.102.p.46,4.

Cladophlebis Brongniart 1849

Cladophlebis ozakii Yabe et Ôishi 1938 1982 Li et al., p.363.pl.147,1; 1989 Mei et al., p.165; 1989 Huang et al.,p.43.pl.15-2; 1990 Zhu, p.95. pl.33,2-3.

Cladophlebis permiensis Lee et Wang 1956 1990 Zhu, p.95. pl.33,4-5.

Compsopteris Zalessky 1934

Compsopteris contracta Gu et Zhi 1974 1989 Huang et al.,p.44.pls.22-5;23-1,2; 1989 Mei et al., p.165; 1990 Zhu, p.96.pls.33,6; 34,1-3.

Compsopteris guangdongensis Feng 1989 Huang et al.,p.44.pls.21-2,2a;22-1.

Compsopteris wongii (Halle 1927) Zalessky 1934 1989 Huang et al.,p.44.pl.22-2,3,4.

Compsopteris (Danaeites) sp. 1989 Huang et al.,p.45.pls.22-3,4;24;25-4.

Cordaites Unger 1950

Cordaites sp. 1990 Zhu, p.101.pl.45,3.

Cordaites principalis (Germar 1848) Geinitz 1855 1989 Mei et al., p.165; 1989 Huang et al.,p.60. pl.40-4.

Cordaites schenkii Halle 1989 Mei et al., p.165; 1989 Huang et al.,p.60.pls.39-4;40-2,3; 1990 Zhu, p.101.pl.40,3.

Danaeites Geoppert 1836

Danaeites rigida (Yabe et Ôishi 1938) Gu et Zhi 1974 1982 Li et al., p.362.pl.143,12-13; 1989 Mei et al., p.165; 1989 Huang et al.,p.41. pls.19-1,1a,1b,2,3,4; 20-1.

Fascipteris Gu et Zhi 1974

Fascipteris densata Gu et Zhi 1974 1989 Huang et al.,p.42.pls.16-4;18-3,4; 1989 Mei et al., p.165; 1990 Zhu, p.94.pls.32,7;33,1.

Fascipteris hallei (Kawasaki 1931) Gu et Zhi 1974 1989 Huang et al.,p.42.pl.18-1,2.

Fascipteris sinensis (Stockmans et Mathieu) Gu et Zhi 1982 Li et al., p.362.pl.148,11; 1990 Zhu, p.95. pl.32,8.

Gigantonomia Li et Yao 1983

Gigantonomia sp. 1990 Zhu, p.99.pl.39,3-5.

Gigantonomia (Gigantonoclea) fukienensis (Yabe et Ôishi) Li et Yao 1990 Zhu, p.98. pls. 39, 7-8; 40,1-2.

Gigantonoclea Koidzumi 1936 emend. Gu et Zhi 1974

Gigantonoclea sp. 1989 Mei et al., p.165; 1990 Zhu, p.98.pl.35,5.

Gigantonoclea alata Li 1989 1989 Huang et al.,p.48.pls.28;30-4,5.

Gigantonoclea cladonervis Li 1989 1989 Huang et al.,p.49.pls.29-1,2,3;30-1,2,3.

Gigantonoclea cordata Yabe et Ôishi 1982 Li et al., p.370.pl.149,3.

Gigantonoclea curvinervis Li 1989 1989 Huang et al.,p.51.pl.31.

Gigantonoclea dehuanensis Li 1989 1989 Huang et al.,p.51.pls.32-1,2,3;33-2.

Gigantonoclea fukienensis (Yabe et Ôishi) 1989 Mei et al., p.165; 1989 Huang et al.,p.53.pls.32-4; 33-1; 36-2,3; 1990 Zhu, p.97.pl.38,4-5.

Gigantonoclea guizhouensis Gu et Zhi 1990 Zhu, p.98.pl.39,6,6a.

Gigantonoclea lagrelii (Halle 1927) Koidzumi 1936 1989 Huang et al.,p.55.pls.35-2A,2B.

Gigantonoclea cf. *longifolia* (Kodaira) Gu et Zhi 1982 Li et al., p.369.pl.146,3; 1990 Zhu, p.97.pls.35,4; 36,4;38,3.

Gigantonoclea rosulata Gu et Zhi 1990 Zhu, p.96.pl.36,1-2.

Gigantonoclea yabei (Kawasaki) 1989 Mei et al., p.165; 1989 Huang et al.,p.54.pls.34;35-1.

Gigantonoclea yongdingensis Zhu 1990 1990 Zhu, p.97.pls.37,1-2;38,1,1a.

Gigantonoclea sp.1 1989 Huang et al.,p.56.pl.36-1,1a.

Gigantonoclea sp.2 1989 Huang et al.,p.56.pl.37-2.

Gigantonoclea sp.3 1989 Huang et al.,p.57.pl.35-3,3a.

Gigantonoclea sp.4 1989 Huang et al.,p.57.pls.33-3;37-3.

Gigantonoclea spp. 1989 Huang et al.,p.57.pls.37-1;38;40-6.

Gigantopteris Schenk 1883 emend. Gu et Zhi 1974

Gigantopteris dictyophylloides Gu et Zhi 1974 1989 Mei et al., p.165; 1989 Huang et al.,p.58.pl.39-1,1a,2; 1990 Zhu, p.100. pls.42,4,4a; 43,3-5.

Gigantopteris cordata Yabe et Ôishi 1989 Mei et al., p.165; 1989 Huang et al.,p.58.pl.39-3,3a.

Gigantopteris minxiensis Zhu 1990 1990 Zhu, p.99.pl.42,1,1a,5.

Gigantotheca Li et Yao 1983

Gigantotheca paradoxa Li et Yao 1990 Zhu, p.99.pls.40,4,4a;41,1-4.
Ginkgophytopsis Hoeg 1967
Ginkgophytopsis fukienensis Zhu 1990 Zhu, p.101.pls.44,4;45,1-2;46,1;47,1-2.
Lepidodendron Sternberg 1820
Lepidodendron acutangulum Stockmans et Mathieu 1989 Huang et al.,p.19.pl.1-1,1a; 1990 Zhu,
p.86.pl.24,3-4.
Lepidodendron cf. *asymmetricum* Gu et Zhi 1990 Zhu, p.85.pl.24,2.
Lepidodendron oculus-felis (Abbado 1900) Zeiller 1901 1982 Li et al., p.341.pl.134,1;1989 Huang
et al.,p.19.pl.1-2; 1990 Zhu, p.85.pl.23,2,5; 1989 Mei et al., p.165.
Lepidodendron polygonale Gu et Zhi 1982 Li et al., p.341.pl.132,6-7; 1990 Zhu,
p.85.pls.23,1,3,4,6,7; 24,1,5,6.
Lepidostrobus Brongniart 1822
Lepidostrobus sp. 1990 Zhu, p.86.pl.24,9.
Lobatannularia Kawasaki 1927
Lobatannularia sp.1 1990 Zhu, p.89.pl.26,5,7.
Lobatannularia sp.2 1990 Zhu, p.89.pl.26,8.
Lobatannularia ensifolia (Halle 1927) Halle 1928 1989 Huang et al.,p.23.pl.5-2.
Lobatannularia cf. *fusiformis* J. H. Zhang 1990 Zhu, p.88.pl.27,1.
Lobatannularia heianensis (Kodaira 1924) Kawasaki 1927 1989 Huang et al.,p.24.pl.4-5.
Lobatannularia lingulata (Halle 1927) Halle 1928 1990 Zhu, p.88.pl.26,6.
Lobatannularia multifolia Kon'no et Asama 1950 1989 Mei et al., p.165; 1989 Huang et al.,p.25.
pl.4-3,3.
Neuropteridium Schimper 1869
Neuropteridium guizhouense Zhang 1989 Huang et al.,p.43.pl.20-4.
Neuropteridium polymorphum Halle 1990 Zhu, p.95. pls.32,2-3;33,7;34,4,7.
Orthotheca Corsin 1951
Orthotheca (Pecopteris) rigida (Yabe et Ôishi) Yang et Chen 1990 Zhu, p.93.pl.32,4-5.
Palaeostachya Weiss 1876
Palaeostachya sp. 1989 Huang et al.,p.25.pl.4-2;10.
Paracalamites Zalessky 1927
Paracalamites sp. 1989 Huang et al.,p.22.pl.3-4,5.
Paracalamites stenocostatus Gu et Zhi 1989 Huang et al.,p.22.pl.3-1,2,3; 1989 Mei et al., p.165;
1990 Zhu, p.87.pl.25,11-12.
Pecopteris Brongniart 1822
Pecopteris alethopteroides (Yabe et Ôishi) Li 1989 1989 Huang et al.,p.32.pl.14-1,2,3.
Pecopteris anderssonii Halle 1927 1989 Mei et al., p.165; 1989 Huang et al.,p.33.pl.12-1,2.
Pecopteris arborescens (Schlotheim) Sternberg 1989 Huang et al.,p.33.pl.9-6.
Pecopteris (Ptychocarpus) arcuata Halle 1989 Huang et al.,p.34.pl.13-3,4; 1989 Mei et al., p.165;
1990 Zhu, p.92.pl.29,7,8.
Pecopteris (Asterotheca) cyatheca (Schlotheim) Brongniart 1989 Huang et al.,p.34.pl.13-1,2; 1990
Zhu, p.93.pl.31,1-3.
Pecopteris densifolia (Goeppert) Renault 1989 Huang et al.,p.35.pl.13-5.
Pecopteris echinata Gu et Zhi 1989 Huang et al.,p.35.pls.11-3B;12-3,3a;14-4.
Pecopteris (Asterotheca) hemitelioides Brongniart 1990 Zhu, p.91.pl.28,2,2a.

Pecopteris (Asterotheca) huichensis Hsü 1990 Zhu, p.92.pl.30,3,3a.

Pecopteris lativenosa Halle 1927 1990 Zhu, p.92.pls.29,3;30,4-8.

Pecopteris lingulata Zhang 1989 Huang et al.,p.35.pl.15-1,5.

Pecopteris longifolioides Zhang 1989 Huang et al.,p.36.pls.14-5;15-3,4.

Pecopteris limbata Li 1989 1989 Huang et al.,p.36.pls.15-6;16-1,1a,1b.

Pecopteris marginata Gu et Zhi 1974 1989 Huang et al.,p.37.pl.10-3,4; 1990 Zhu, p.93.pls.31,4;32,1.

Pecopteris renhuaensis Yang et Chen 1990 Zhu, p.91.pl.29.1,1a.

Pecopteris sahnii Hsü 1989 Huang et al.,p.37.pl.17-1; 1990 Zhu, p.93.pls.29,4,6;30,1-2.

Pecopteris superata Li 1989 1989 Huang et al.,p.37.pl.18-7,7a.

Pecopteris tenuicostata Halle 1927 1989 Huang et al.,p.38.pl.16-2,3.

Pecopteris tobaensis Li et al. 1989 Huang et al.,p.39.pls.17-5,5a; 18-5.

Pecopteris unita Brongniart 1989 Huang et al.,p.39.pl.20-2,3(cf.).

Pecopteris sp.1 1989 Huang et al.,p.39.pl.17-4.

Pecopteris sp.2 1989 Huang et al.,p.40.pl.17-4.

Pectinangium Gu et Zhi 1974

Pectinangium lanceolatum Gu et Zhi 1989 Huang et al.,p.61.pl.36-4; 1990 Zhu, p.102.pl.46,2.

Phasmatocycas Mamay 1973

Phasmatocycas sp. 1990 Zhu, p.102.pls.39,1;44,3,3a.

Plagiozamites Zeiller 1894

Plagiozamites oblongifolius Halle 1927 1989 Huang et al.,p.26.pl.5-3; 1990 Zhu, p.90.pl.27,6.

Progigantopteris Yang 1987

Progigantopteris sp. 1990 Zhu, p.99.pl.42,2-3.

Radicites Potonié

Radicites sp. 1989 Huang et al.,p.61.pl.40-1; 1990 Zhu, p.103.pl.38,2.

Rajahia (Pecopteris) Kon'no

Rajahia (Pecopteris) bifurcata Kon'no 1989 Huang et al.,p.41.pl.17-2.

Rhizomopsis Gothan et Sze 1933

Rhizomopsis gemmifera Gothan et Sze 1933 1989 Huang et al.,p.61.pl.40-5.

Samaropsis Geoppert 1864

Samaropsis sp. 1989 Huang et al.,p.61.pl.37-4.

Schizoneura Schimper et Mougeot 1844

Schizoneura sp. 1989 Huang et al.,p.26.pl.5-1.

Schizoneura manchuriensis Kon'no 1990 Zhu, p.89.pl.27,2-5.

Stigmaria Brongniart 1822

Stigmaria ficoides (Sternberg 1820) Brongniart 1822 1989 Huang et al.,p.19.pl.1-3; 1990 Zhu, p.86.pl.24,7.

Stigmaria rugulosa Gothan 1923 1990 Zhu, p.86.pl.24,8.

Sphenophyllum Brongniart 1828

Sphenophyllum sp. 1989 Huang et al.,p.21.pl.2-7,8.

Sphenophyllum koboense Kobatake 1957 1989 Huang et al.,p.21.pl.2-4,5,6; 1989 Mei et al., p.165; 1990 Zhu, p.86.pl.25,1-5.

Sphenophyllum sino-coreanum Yabe 1920 1982 Li et al., p.347.pl.139,6-7; 1989 Huang et al.,p.20.pl.2-1,2,3; 1989 Mei et al., p.165; 1990 Zhu, p.87.pl.25,7.

Sphenophyllum speciosum (Royle 1833) McClelland 1850 1989 Huang et al.,p.20.pl.1-4,5; 1990 Zhu, p.87.pl.25,6,8,9.

Sphenopteris (Brongniart) Sternberg 1825

Sphenopteris sp. 1989 Huang et al.,p.30.pl.9-4; 1990 Zhu, p.91.pl.28,5.

Sphenopteris grabau Halle 1927 1989 Huang et al.,p.28.pl.6-1,1a,2; 1990 Zhu, p.90.pl.28,4,4a.

Sphenopteris nystroemii Halle 1989 Huang et al.,p.27.pl.9-5.

Sphenopteris sukcrenata Liu 1990 Zhu, p.91.pl.28,1.

Sphenopteris tenuis Schenk 1883 1990 Zhu, p.90.pl.28,3.

Sphenopteris (Discopteris) tianhushanensis Li 1989 Huang et al.,p.28.pls.7,8;9-1,2,3,11.

Taeniopteris Brongniart 1828

Taeniopteris sp. 1982 Li et al., p.371.pl.154,6; 1989 Huang et al.,p.59.pl.26-5; 1990 Zhu, p.101.pl.43,1-2.

Taeniopteris nystroemii Halle 1927 1989 Huang et al.,p.59.pl.25-3; 1990 Zhu, p.100. pl.44,1.

Taeniopteris szei Chow 1989 Mei et al., p.165; 1989 Huang et al.,p.59.pl.25-1,2,2a.

Tingia Halle 1925

Tingia carbonica (Schenk 1883) Halle 1925 1989 Mei et al., p.165; 1989 Huang et al.,p.27.pls.6-3,4;10-5; 1990 Zhu, p.90.pl.27, 7-8.

Guangdong (1992 Zhu et Feng, Lianyang, Gutian Formation; 1989 Mei et al., Qujiang)

Annularia Sternberg 1821

Annularia pingloensis (Sze) Gu et Zhi 1992 Zhu et Feng, pl.I,2-3.

Cladophlebis Brongniart 1849

Cladophlebis varia Zhu et Feng 1992 1992 Zhu et Feng, pl.II,3-4.

Compsopteris Zalessky 1934

Compsopteris contracta Gu et Zhi 1992 Zhu et Feng, pl.II,11.

Danaeites Goeppert 1836

Danaeites guangdongensis Zhu et Feng 1992 1992 Zhu et Feng, pl.III,2-4.

Gigantonoclea (Koidzumi) Gu et Zhi 1974

Gigantonoclea crassa Zhu et Feng 1992 1992 Zhu et Feng, pl.III,5-6.

Gigantonoclea nicotianaefolia Schenk emend. Gu et Zhi 1992 Zhu et Feng, pl.III,7.

Gigantonoclea parvipinnulata Zhu et Feng 1992 1992 Zhu et Feng, pl.III,8-9.

Lobatannularia Kawasaki 1927

Lobatannularia cathaysiana Yao 1992 Zhu et Feng, pl.I,4-5.

Lobatannularia lingulata (Halle) Halle 1989 Mei et al.,figs.3-26.

Lobatannularia multifolia Kon'no et Asama 1992 Zhu et Feng, pl.I,6-7.

Lobatannularia sp. 1992 Zhu et Feng, pl.I,8.

Neuropteridiopsis Zhu et Feng 1992

Neuropteridiopsis longovata Zhu et Feng 1992 1992 Zhu et Feng, pl.II,9-10.

Odontopteris (Brongniart 1822) Sternberg 1825

Odontopteris plicatoides Zhu et Feng 1992 1992 Zhu et Feng, pl.II,5-8.

Paracalamites Zalessky 1932

Paracalamites sp. 1992 Zhu et Feng, pl.I,1.

Pecopteris (Brongniart 1822) Sternberg 1825

Pecopteris hemitelioides Brongniart 1992 Zhu et Feng, pl.II,2.

Pecopteris ovalida Zhu et Feng 1992 1992 Zhu et Feng, pl.III,1.
Ptychocarpus Weiss 1869
Ptychocarpus unauriculatus Zhu et Feng 1992 1992 Zhu et Feng, pls.I,10-13;II,1.
Rhipidopsis Schmalhausen 1879
Rhipidopsis sp. 1992 Zhu et Feng, pl.II,12.
Schizoneura Schimper et Mougeot 1844
Schizoneura wangtangiona Zhu et Feng 1992 1992 Zhu et Feng, pl.I,9.

Yunnan (1952 Hsu, Huiche, Sumatra, Kuangshanchang Coal Series)

Cordaicarpus Geinitz 1862
Cordaicarpus sp. 1952 Hsu, pl.V,56.
Pecopteris (Brongniart 1822) Sternberg 1825
Pecopteris arcuata Halle 1952 Hsu, pl.III,30B.
Pecopteris taiyuanensis Halle 1952 Hsu, pl.I,11.
Pecopteris wongii Halle 1952 Hsu, pl.II,19.
Plagiozamites Zeiller 1894
Plagiozamites oblongifolius Halle 1952 Hsu, pl.VI,73.
Sphenophyllum Brongniart 1828
Sphenophyllum thonii var. *minor* Halle 1952 Hsu, pl.I,4.
Sphenopteris (Brongniart 1822) Sternberg 1825
Sphenopteris cf. *grabau* Halle 1952 Hsu, pl.I,8.
Sphenopteris gothanii Halle 1952 Hsu, pl.II,17,18.
Tingia Halle 1925
Tingia carbonica Halle 1952 Hsu, pl.VI,74-76.

Wuchiapingian (113 Sections Studied)

Hainan (1979 Yang et Chen, Jiangbian Commune, Dongfang County, Longtan Formation)

Annularia Sternberg 1821
Annularia shirakii Kawasaki 1927 1979 Yang et Chen, pl.XVII, 3,4.
Pecopteris (Brongniart 1822) Sternberg 1825
Pecopteris (Asterotheca) hemitelioides Brongniart 1979 Yang et Chen, pl.XXII, 1-4, 1a, 4a.

Xizang (1973 Hsu, North of Rongbu Temple, Mount Everest, Laniganjie Formation; 1982 Li et al. and 1995 Li, Tuoba, Changdu Region)

Annularia Sternberg 1821
Annularia pingloensis (Sze) Gu et Zhi 1982 Li et al, p.24.pl.I,12.
Cladophlebis Brongniart 1849
Cladophlebis paraozakii Li et al. 1982 1982 Li et al, p.32.pl.X,1-3.
Cladophlebis sp. 1982 Li et al, p.33.pl.X,5.
Compsopteris Zalessky 1934
Compsopteris contracta Gu et Zhi 1974 1982 Li et al, p.34.pl.IV,3-b;pl.X,5-7.
Fascipteris Gu et Zhi 1974
Fascipteris (Ptychocarpus) densata Gu et Zhi 1982 Li et al, p.31.pl.IX,1,2,3-a,3a,3-b.

Fasciapteris stena Gu et Zhi 1974 1982 Li et al, p.32.pl.VI,5,5a;pl.IX,4,4a;pl.XII,1-b.
Gigantopteris Schenk 1883
Gigantopteris contracta Gu et Zhi 1982 Li et al, p.34.pl.IV,3-b;pl.X,5-7.
Gigantopteris dictyophylloides Gu et Zhi 1974 1982 Li et al, p.34.pl.XII,1-a,2,2a.
Gigantopteris cf. *nicotianaefolia* Schenk 1982 Li et al, p.35.pl.XII,3,3a;pl.XIII,1,1a.
Gigantonoclea Koidzumi 1936
Gigantonoclea sp.1 1982 Li et al, p.36.pl.XIII,2,5,5a.
Gigantonoclea sp.2 1982 Li et al, p.36.pl.XIII,7.
Gigantonoclea spp. 1982 Li et al, p.36.pl.XIII,3,4.
Gigantonoclea meridionalis Li et Yao 1982 Li et al, p.36.pl.XIII,6.
Glossopteris Brongniart 1828
Glossopteris communis Festm. 1973 Hsu, pls.I,1-7; II,1-7a.
Lepidodendron Sternberg 1820
Lepidodendron acutangulum (Halle) Stockmans et Mathieu 1982 Li et al, p.22.pl.I,2.
Lepidodendron oculus-felis (Abbado 1900) Zeiller 1901 1982 Li et al, p.23.pl.I,1.
Lobatannularia Kawasaki 1927
Lobatannularia cf. *cathaysiana* Yao 1982 Li et al, p.24.pl.I,11.
Lobatannularia multifolia Kon'no et Asama 1950 1982 Li et al, p.24.pl.I,9-a,10.pl.II,3.
Paracalamites Zalessky 1932
Paracalamites stenocostatus Gu et Zhi 1982 Li et al, p.23.pl.I,7.
Paracalamites sp. 1982 Li et al, p.23.pl.I,8.
Pecopteris (Brongniart 1822) Sternberg 1825
Pecopteris sp. 1973 Hsu, pl.II,8,8a.
Pecopteris anderssonii Halle 1927 1982 Li et al, p.28.pl.XI,5-8.
Pecopteris cf. *anderssonii* Halle 1982 Li et al, p.28.pl.VII,6,6a.
Pecopteris angustilingulata (Li et al. 1982) 1982 Li et al, p.28.pl.V,2,2a,3-a,4.
Pecopteris tobaensis (Li et al. 1982) 1982 Li et al, p.29.pl.VIII,1-4a,pl.IX,5,5a.
Rajahia Kon'no 1970
Rajahia (Pecopteris) bifurcata Kon'no 1982 Li et al, p.25.pl.II,1,1a,2;pl.XII,1-c.
Rajahia (Pecopteris) calceiformis Li et Yao 1982 Li et al, p.26.pl.II,4-8;pl.III,3,4;pl.IX,3-d.
Rajahia (Pecopteris) mirabilis (Gu et Zhi) Zhang 1982 Li et al, p.26.pl.VII,1-4a.
Rajahia (Pecopteris) pseudohemitelioides Kon'no 1982 Li et al, p.26.pl.V,5-7;pl.VI,1-4a.
Rajahia (Pecopteris) qamdoensis (Li et al. 1982) 1982 Li et al, p.27.pl.III,1,2;pl.IV,1-3-a;pl.V,1,1a.
Rhipidopsis Schmalhausen 1879
Rhipidopsis panii Chow 1982 Li et al, p.37.pl.XIII,9,10.
Rhizomopsis Gothan et Sze 1933
Rhizomopsis gemmifera Gothan et Sze 1933 1982 Li et al, p.37.pl.XIII,8.
Rosellinites Potonié 1893
Rosellinites beyschlagii Potonie 1982 Li et al, p.22.pl.IX,3-c.
Schizoneura Schimper et Mougeot 1844
Schizoneura sp. 1982 Li et al, p.25.pl.II,2.
Schizoneura manchuriensis Kon'no 1982 Li et al, p.25.pl.I,5,6,9-b.
Sphenophyllum Brongniart 1828

Sphenophyllum koboense Kobatake 1957 1982 Li et al, p.23.pl.I,3.
Sphenophyllum cf. *Sino-coreanum* Yabe 1982 Li et al, p.23.pl.I,4.
Sphenopteris (Brongniart 1822) Sternberg 1825
Sphenopteris sp. 1982 Li et al, p.34.pl.VII,5,5a.
Sphenopteris cf. *hughesii* (Feistm.) Arber 1973 Hsu, pl.II,9,9a.
Taeniopteris Brongniart 1832
Taeniopteris tobaensis Li et al. 1995 Li, pl.48,1,2.

South Jiangsu (1974 Gu et Zhi, Chunhua, Jiangning County; Yuanshan Hill, Wuxi City; Jurong; Nanjing; 1940 Yabe et Shimakura, Shuyang, Longtan Formation; 1940 Shimakura, Longtan Coal Field, Jurong; 1982 Li et al., Chunhua, Jiangning County; Funiu Hill, Zhenjiang City; Longtan, Nanjing City; Qiu Village, Jurong County; 1983 Yao, Xiaoyi Village, Jurong; 1989 Yao, 1994 Yao et al. and 1999 Liu et Yao, Funiu Hill Coal Field, Dantu County, Longtan Formation; 1993 Yao et al., Zhenjiang and Nanjing, Longtan Formation; 1995 Li, Jiangning)

Acitheca Schimper 1879
Acitheca cupressoides Gu et Zhi 1982 Li et al.,p.360.pl.149,4-5.
Acitheca funiushanensis Lan et Li H. M. 1982 1982 Li et al.,p.361.pl.150,1-9.
Annularia Sternberg 1821
Annularia mucronata Schenk 1999 Liu et Yao, pl.I,5,7.
Annularia oblonga Li H. M. Et Lan 1982 1982 Li et al.,p.349.pl.140,1-2.
Annularia pingloensis (Sze) Gu et Zhi 1982 Li et al.,p.350.pl.140,5-6.
Asterothea Presl 1845
Asterothea (Pecopteris) sp. 1940 Shimakura,pls.II,7-9;III,1.
Carpolithus Wallerius 1747
Carpolithus sp. 1940 Shimakura,pl.IX,9-10.
Cathaysiopteris Koidzumi 1934
Cathaysiopteris whitei (Halle) Koidzumi 1940 Shimakura,pl.VII,3; 1974 Gu et Zhi, p.125.pls.94,3;95,1-4.
Compsopteris Zalesky 1930
Compsopteris contracta Gu et Zhi 1974 1974 Gu et Zhi, p.115.pls.82,4-6;83,1-2,3(?); 1982 Li et al.,p.366. pl.153,10.
Compsopteris dantuensis Li H. M. et Lan 1982 1982 Li et al.,p.366.pl.153,9.
Compsopteris zhenjiangensis Li H. M. et Lan 1982 1982 Li et al.,p.366.pl.153,7-8.
Cathaysiophyllum Lan, Li et Wang
Cathaysiophyllum lobifolium (Yang et Chen) Lan, Li H. M. et Wang 1982 1982 Li et al., p. 376.pl.147,4-12.
Cladophlebis Brongniart 1828
Cladophlebis nystroemii Halle 1940 Shimakura,pl.III,2-4.
Cordaicarpus Geinitz 1862
Cordaicarpus sp. 1940 Shimakura,pl.IX,6.
Cordaites Unger 1850
Cordaites principalis (Germar 1848) Geinitz 1855 1982 Li et al.,p.372.pl.135,2-4.
Danaeites Goeppert 1836
Danaeites mirabilis Gu et Zhi 1974 1982 Li et al.,p.361.pl.146,5-7.

Distichopteris Yabe et Shimakura
Distichopteris heteropinna Yabe et Shimakura 1940 Yabe et Shimakura, figs.1-7; 1940 Shimakura, pls.IV,1-8;V,1-4.
Fascipteris Gu et Zhi 1974
Fascipteris (Ptychocarpus) densata Gu et Zhi 1982 Li et al.,p.362.pl.148,7.
Fascipteris stena Gu et Zhi 1974 1974 Gu et Zhi, p.101.pl.69,15-17; 1982 Li et al.,p.362.pl.148,8-10.
Gigantonoclea (Koidzumi) Gu et Zhi 1974
Gigantonoclea sp. 1940 Shimakura,pl.VII,4-5.
Gigantonoclea acuminatiloba (Schimper) Gu et Zhi 1974 1974 Gu et Zhi, p.128.pl.98,1-6; 1982 Li et al.,p.368.pl.149,1.
Gigantonoclea hallei (Asama) comb. nov. Gu et Zhi 1974 1974 Gu et Zhi, p.127.pl.99,1-3.
Gigantonoclea taiyuanensis (Asama) comb. nov. Gu et Zhi 1974 1974 Gu et Zhi, p.129.pl.98,7.
Gigantonoclea nicotianaefolia (Schenk) Gu et Zhi 1982 Li et al.,p.369.pl.149,2.
Gigantopteris (Schenk) emend. Gu et Zhi
Gigantopteris nicotianaefolia Schenk 1940 Shimakura,pls.VII,1-2;IX,1a; 1983 Yao, pl. I, 1-5.
Ginkgophytopsis Hoeg 1967
Ginkgophytopsis spinimarginalis Yao 1989 1989 Yao, pl.III,1-5; IV,1-6.
Neuropteridium Schimper 1869
Neuropteridium coreanicum Koiwai 1927 1982 Li et al.,p.365.pl.151,1-2.
Neuropteridium polymorphum Halle 1940 Shimakura,pl.II,10(cf.).
Neuropteris Brongniart 1825
Neuropteris sp. 1940 Shimakura,pl.VI,1-3.
Nystroemia Halle 1927
Nystroemia uniseriata Lan et Li H. M. 1982 1982 Li et al.,p.377.pl.156,2-11.
Otofolium Gu et Zhi 1974
Otofolium polymorphum Gu et Zhi 1995 Li, pl.41,4.
Psaronius Cotta 1832
Psaronius sp. 1994 Yao et al., pl.I,2.
Psaronius jiangsuensis Yao, Liu and Li 1994 1994 Yao et al., pls.I,3; II,1-6; III,1-5.
Psaronius octogonus Yao, Liu and Li 1994 1994 Yao et al., pl.I,1.
Psygmoptyllum Schimper, emend. Saporta, 1978
Psygmoptyllum multipartitum Halle 1989 Yao, pl.I,1-7;II,1-11.
Samaropsis Geoppert 1864
Samaropsis lungtanensis Schimakura 1940 1940 Shimakura,pl.IX,3-4.
Samaropsis sekitakeoi Schimakura 1940 1940 Shimakura,pl.IX,5.
Schizoneura Schimper et Mougeot 1844
Schizoneura manchuriensis Kon'no 1974 Gu et Zhi, p.60.pls.34,11;35,1-3.
Sphenophyllum Brongniart 1828
Sphenophyllum koboense Kobatake 1957 1982 Li et al.,p.347.pl.139,9-11.
Sphenophyllum sino-coreanum Yabe 1920 1982 Li et al.,p.347.pl.139,6-7.
Sphenophyllum speciosum (Royle 1833) McClelland 1850 1982 Li et al.,p.347.pl.139,8.
Sphenopteris (Brongniart) Sternberg 1825
Sphenopteris nystroemii Halle 1982 Li et al.,p.356.pl.143,8-9.

Sphenopteris tingii Halle 1974 Gu et Zhi, p.77.pl.49,5-8.
Stigmara Brongniart 1822
Stigmara ficoides (Sternberg 1820) Brongniart 1822 1982 Li et al.,p.345.pl.132,3.
Taeniopteris Brongniart 1828
Taeniopteris hallei Kawasaki 1940 Shimakura,pl.VI,6-7(cf.).
Taeniopteris serrulata Halle 1940 Shimakura,pl.VI,4-5(cf.).
Taeniopteris penninervis Mo et Li H. M. 1982 1982 Li et al.,p.370.pl.154,3-4.
Thallites Kidston ex Walton 1925
Thallites jiangningensis Gu et Zhi 1974 1974 Gu et Zhi, p.13.pl.I,4-5.
Cladophlebis Brongniart 1849
Cladophlebis permensis Lee et Wang 1956 1974 Gu et Zhi, p.102.pl.70,1-6; 1982 Li et al.,p.363.
 pl.148,1-2.
Lepidodendron Sternberg 1820
Lepidodendron acutangulum (Halle) Stockman et Mathieu 1974 Gu et Zhi, p.30.pl.15,1-4; 1982 Li
 et al.,p.341.pl.131,8.
Lepidodendron asymmetricum Gu et Zhi 1974 1974 Gu et Zhi, p.29.pl.13,1-2; 1982 Li et al.,p.339.
 pl.132,1.
Lepidodendron polygonale Gu et Zhi 1974 1974 Gu et Zhi, p.29.pl.13,3-7; 1982 Li et
 al.,p.341.pl.132,6-7.
Lobatannularia Kawasaki 1927
Lobatannularia sp. 1982 Li et al.,p.350.pl.140,9-10.
Lobatannularia cf. *heianensis* (Kodaira) Kawasaki 1982 Li et al.,p.351.pl.139,3.
Lobatannularia lingulata (Halle 1927) Halle 1928 1982 Li et al.,p.351.pl.139,2.
Lobatannularia multifolia Kon'no et Asama 1950 1974 Gu et Zhi, p.58.pls.33,3-6;34,2; 1982 Li et
 al.,p.350.pl.139,4-5.
Otofolium Gu et Zhi 1974
Otofolium polymorphum Gu et Zhi 1982 Li et al.,p.373.pl.155,3-5.
Otofolium ovatum Gu et Zhi 1982 Li et al.,p.374.pl.155,1-2.
Pecopteris Brongniart 1822
Pecopteris sp. 1940 Shimakura,pl.II,2-6.
Pecopteris anderssonii Halle 1927 1974 Gu et Zhi, p.94.pl.63,8-10; 1982 Li et al.,p.357.pl.144,8.
Pecopteris (Ptychocarpus) arcuata Halle 1982 Li et al.,p.357.pl.148,3-6.
Pecopteris (Asterotheca) calcarata Gu et Zhi 1974 Gu et Zhi, p.96.pl.65,7-13(?); 1982 Li et
 al.,p.357. pl.144,1-6.
Pecopteris echinata Gu et Zhi 1974 Gu et Zhi, p.94.pls.62,12-13;63,1-7; 1982 Li et
 al.,p.358.pl.144,7.
Pecopteris gracilentia Gu et Zhi 1974 1982 Li et al.,p.358.pl.143,3-4.
Pecopteris grandifolia Li H. M. et Lan 1982 1982 Li et al.,p.359.pl.146,2-4.
Pecopteris (Asterotheca) hemitelioides Brongniart 1982 Li et al.,p.359.pl.143,10-11.
Pecopteris heteropinna (Yabe et Shimakura 1940) Gu et Zhi 1974 1974 Gu et Zhi, p.95. pl.64, 1-5;
 1982 Li et al.,p.358.pl.147,3.
Pecopteris lativenosa Halle 1940 Shimakura,pls.I.,1-8; II,1(cf.).
Pecopteris cf. *nervosa* (Halle) Wang 1982 Li et al.,p.360.pl.154,1-2.
Pecopteris sahnii Hsü 1974 Gu et Zhi, p.89.pls.58,14-16;59,1-2.

Pecopteris tenuicostata Halle 1927 1982 Li et al.,p.359.pl.143,1-2.
Pectinangium Gu et Zhi 1974
Pectinangium lanceolatum Gu et Zhi 1974 Gu et Zhi, p.166.pl.128,9-12; 1982 Li et al.,p.374.pl.153,1-4.
Pinnularia Lindley et Hutton 1834
Pinnularia sp. 1940 Shimakura,pl.IX,12.
Radicites Potonie 1893
Radicites sp. 1974 Gu et Zhi, p.168.pl.129,12.
Renifolium Li H. M. et Lan 1982
Renifolium longipetiolatum Li H. M. et Lan 1982 1982 Li et al.,p.375.pl.157,3-10.
Rhipidopsis Schmalhausen 1879
Rhipidopsis panii Chow 1974 Gu et Zhi, p.147.pls.116,9;117,1-3.
Rhizomopsis Gothan et Sze 1933
Rhizomopsis gemmifera Gothan et Sze 1974 Gu et Zhi, p.168.pl.129,8-11.
Szea Yao et Taylor 1988
Szea (Cladophlebis) sinensis Yao et Taylor 1993 Yao et al.,pl.IV.

Fujian (1937-38 Yabe et Oishi and 1970 Asama, Wukueikang, Shuichinshan, Lung-yen-hsien, Ta-hsu-tou, Chenti and An-chi-hsien; 1959 Asama, Fuzhou, Cuipingshan Formation; 1974 Gu et Zhi, Sanming; Longyan; 1982 Li et al., Longyan; 1989 Yao, Niulan Hill, Yongding County; 1993 Yao et al., Anxi, Longyan; 1994 Zhu et al., Longqi Hill, Jiangle County, Longtan Formation; 1995 Zhu et Zhang, Jiangle, Longtan Formation; 1995 Li, Longyan)

Alethopteris Sternberg 1825
Alethopteris sp. 1937-38 Yabe et Oishi, pl.XXXII(1),4,6.
Bicoemplectopteris Asama 1959
Bicoemplectopteris hallei Asama 1959 1959 Asama, pl.VI,1.
Bowmanites Binney 1871
Bowmanites laxis Halle 1994 Zhu et al.,p.7.pl.II,3.
Chansitheca Regè 1921
Chansitheca cf. *kidstonii* Halle 1994 Zhu et al.,p.8.pl.II,1.
Chansitheca palaeosilvana Regè 1994 Zhu et al.,p.8.pl.VIII,4.
Cladophlebis Brongniart 1849
Cladophlebis ozakii Yabe et Ôishi 1937-38 1937-38 Yabe et Oishi, pl.XXXII(1), 1A,5A; 1974 Gu et Zhi, p.73,1.
Cladophlebis permianensis Lee et Wang 1956 1994 Zhu et al.,p.10.pl.V,1.
Compsopteris Zalesky 1934
Compsopteris contracta Gu et Zhi 1974 1994 Zhu et al.,p.10.pl.VIII,3.
Danaeites Göppert 1836
Danaeites mirabilis Gu et Zhi 1974 1994 Zhu et al.,p.9.pl.IV,3.
Fascipteris Gu et Zhi 1974
Fascipteris densata Gu et Zhi 1974 1994 Zhu et al.,p.9.pl.III,2,3A.
Gigantonoclea Koidzumi 1936
Gigantonoclea cardiophylla Zhu et Geng 1994 1994 Zhu et al.,p.10.pl.IV,4A.
Gigantonoclea chingii Zhu et Geng 1994 1994 Zhu et al.,p.11.pls.IV,1A;V,2,3.

Gigantonoclea cordata Yabe et Ôishi 1994 Zhu et al.,p.13.pl.VIII,1.
Gigantonoclea fukienensis Yabe et Ôishi 1994 Zhu et al.,p.12.pls.IV,1B;VI,5.
Gigantonoclea nicotianaefolia Schenk 1994 Zhu et al.,p.13.pl.VIII,3.
Gigantonoclea sp.1 1994 Zhu et al.,p.12.pl.VI,1; 1998 Liu et Li, p.221.pl3,3.
Gigantonoclea sp.2 1994 Zhu et al.,p.13.pl.VII,3.
Gigantonomia Li et Yao 1983
Gigantonomia (Gigantoclea) fukienensis (Yabe et Oishi) Li et Yao
Gigantopteris Schenk 1883
Gigantopteris cordata Yabe et Ôishi 1937-38 1937-38 Yabe et Oishi, pl.XXXII(1),1B; 1974 Gu et Zhi, pl.101,2.
Gigantopteris fukienensis Yabe et Ôishi 1937-38 1937-38 Yabe et Oishi, pl.XXXII(1),8-9,12C.
Gigantopteris nicotianaefolia (Schenk) 1937-38 Yabe et Oishi, pl.XXXII(1),13.
Gigantotheca Li et Yao 1983
Gigantotheca paradoxa Li et Yao 1995 Li, pl.42,1-4.
Lepidodendron Sternberg 1820
Lepidodendron acutangulum (Halle) Stockman et Mathieu 1974 Gu et Zhi, p.30.pl.15,1-4.
Lobatannularia Kawasaki 1927
Lobatannularia lingulata (Halle 1927) Halle 1928 1994 Zhu et al.,p.7.pl.I,3.
Pecopteris (Brongniart 1822) Sternberg 1825
Pecopteris anderssonii Halle 1927 1994 Zhu et al.,p.8.pls.I,1,4;VII,1B.
Pecopteris echinata Gu et Zhi 1994 Zhu et al.,p.8.pls.II,2A;III,4;VII,4.
Pecopteris rigida Yabe et Ôishi 1937-38 1937-38 Yabe et Oishi, pl.XXXII(1),5B,10,11.
Pecopteris sp. 1937-38 Yabe et Oishi, pl.XXXII(1),12B.
Pecopteris taiyuanensis Halle 1927 1994 Zhu et al.,p.9.pl.II,4.
Pecopteris unita Brongniart 1994 Zhu et al.,p.9.pl.III,1.
Psymphyllum Schimper, emend. Saporta, 1978
Psymphyllum multipartitum Halle 1989 Yao, pl.I,1-7;II,1-11.
Radicites Potonié 1893
Radicites sp.1 1994 Zhu et al.,p.14.pl.VI,4.
Radicites sp.2 1994 Zhu et al.,p.14.pl.IV,2.
Schizoneura Schimper et Mougeot 1844
Schizoneura manchuriensis Kon'no 1974 Gu et Zhi, p.35,2-3.
Sphenophyllum Brongniart 1828
Sphenophyllum densinerve Yabe et Ôishi 1937-38 1937-38 Yabe et Oishi, pl.XXXII(1),3,7,12A.
Sphenophyllum emarginatum Brongniart 1822 1994 Zhu et al.,p.7.pl.I,2.
Sphenophyllum sino-coreanum Yabe 1920 1974 Gu et Zhi, pl.25,8-9,10(?)
Sphenophyllum sp. 1937-38 Yabe et Oishi, pl.XXXII(1),2.
Sphenopteris (Brongniart 1822) Sternberg 1825
Sphenopteris fukienensis Yabe et Ôishi 1937-38 1937-38 Yabe et Oishi, pl.XXXII(1),16.
Stigmaria Brongniart 1822
Stigmaria rugulosa Gothan 1923 1982 Li et al., p.345.pl.135,6.
Szea Yao et Taylor 1988
Szea (Cladophlebis) sinensis Yao et Taylor 1993 Yao et al.,pl.IV.
Taeniopteris Brongniart 1828

Taeniopteris serrulata Halle 1994 Zhu et al.,p.14.pls.VI,2,3;II,2B.
Taeniopteris sp. 1937-38 Yabe et Oishi, pl.XXXII(1),14.
Taeniopteris szei Chow 1962 1994 Zhu et al.,p.14.pls.III,3B;IV,4B.
Taeniopteris tingii Halle 1927 1994 Zhu et al.,p.14.pl.VII,1A.
Trinerviopteris Zhu 1995
Trinerviopteris cardiophylla (Zhu et Geng) Zhu 1995 1995 Zhu et Zhang, pls. I,1;II,1-7.
Trizygia Royle 1834
Trizygia densinervia (Yabe & Oishi) Asama 1970 Asama, pl.I,3-4.
Trizygia sino-coreana (Yabe) Asama 1970 Asama, pl.II,3.

South Anhui (1974 Gu et Zhi, Shuixiang, Xuancheng City; Tongling; 1982 Li et al., Shuixiang, Xuancheng City, Longtan Formation; 1989 Yao, Niutou Hill, Guangde County)

Acitheca Schimper 1879
Acitheca cupressoides Gu et Zhi 1974 1974 Gu et Zhi, pl.68,4-7; 1982 Li et al.,p.360.p149,4-5.
Lepidodendron Sternberg 1820
Lepidodendron acutangulum (Halle) Stockman et Mathieu 1974 Gu et Zhi, p.30.pl.15,1-4.
Psygmyphyllum Schimper, emend. Saporta, 1978
Psygmyphyllum multipartitum Halle 1989 Yao, pl.I,1-7;II,1-11.

Guizhou (1933 Sze, Suiyang; 1978 Zhang, Panxian; Wangjiazhai, Chicken Field, Caojiaying and Hong Bridge, Shuicheng; Gongjiling, Nayong County; Black Stone River, Weining County; Qinglong; Wulong Temple and Tuanxi, Zuiyi City; 1953 Sze, Magu Town, Weining County; 1980 Zhao et al., Anshun; Zhijin; Nayong; Liuzhi; Qinglong; Shuicheng; Panxian; 1974 Wu et Deng, Panxian, Qinglong; 1974 Gu et Zhi, Panxian; 1992 Tian et Li, Dahebian Coal Field, Shuicheng County, Longtan Formation; 1998 Li et Taylor, The Glede Hill Coal Field, Shuicheng County; The Moons Coal Field, Panxian County; Lower Xuanwei Formation; 1980 Tian and 1980 Tian et Zhang, Wangjiazhai Coal Field, Shuicheng County; 1992 Guo et al., Coal Fields of Panxian)

Abrotopteris Mo 1980
Abrotopteris guizhouensis (Gu et Zhi) Mo 1980 1980 Zhao et al., p.85.pl.XIX,1-7,8.
Acitheca Schimper 1879
Acitheca cupressoides Gu et Zhi 1974 1978 Zhang,p.469. pl.155, 4(?).
Acitheca unifurcata Yang et Chen ex Zhang 1978 1978 Zhang, p.469.p1.155, 7-8.
Aculeovinea Li et Taylor 1998
Aculeovinea yunguiensis Li et Taylor 1998 1998 Li et Taylor, figs. 1-4.
Alethopteris Sternberg 1825
Alethopteris firmata Zhang 1978 1978 Zhang,p.474. p1.158, 3.
Annularia Sternberg 1821
Annularia pingloensis (Sze 1940) Gu et Zhi 1974 1974 Gu et Zhi, pl.32,2; 1978 Zhang, p.462.p1.152.7; 1980 Tian et Zhang, p.21. pl.V, 1, 4, 5, 9; 1980 Zhao et al., plA, 10; pl.6, 3, 4.
Annularia shirakii Kawasaki 1927 1974 Gu et Zhi, pl.31,8; 1978 Zhang, p.462.pl.152, 8; 1980 Zhao et al., pl.2. 10 12
Bifariusotheca Zhao 1980
Bifariusotheca qinglongensis Zhao 1980 1980 Zhao et al.,p.81.pl.XII,5,6,5a.
Calamites Brongniart 1828

Calamites sp. 1980 Zhao et al., p.71.
Carpolithus Brongniart 1822
Carpolithus sp. 1978 Zhang, p.487.pl.164, 1.
Carpolithus sp.1 1980 Tian et Zhang, p.33. pl.XX,2-4.
Carpolithus sp.2 1980 Tian et Zhang, p.33. pl.XVI,3,4.
Carpolithus sp.3 1980 Tian et Zhang, p.34. pl.V,7,8.
Carpolithus punctatus Zhao 1980 Zhao et al., p.87.pl.I,7,7a,7b.
Carpolithus speculatus Mo 1980 Zhao et al., p.88.pl.XV,6;XVII,2;XVIII,8,9;XX,6.
Carpolithus glansiformis Mo 1980 Zhao et al., p.88.PL.XVII,3,4,3a.
Chansitheca Regè 1921
Chansitheca kidstonii Halle 1980 Zhao et al., p.71.
Cladophlebis Brongniart 1849
Cladophlebis connexa Zhang 1978 Zhang, p.472.p1.157, 5 7
Cladophlebis ozakii Yabe et Oishi 1938 1978 Zhang, p.472.p1.157, 4; 1980 Zhao et al., pl.12, 11, 11A
Cladophlebis parapermica Chan MS ex Zhang 1978 Zhang, p.472.p1.156, 6 .
Cladophlebis permiensis Lee et Wang 1956 1978 Zhang, p.471.p1.156, 2; 1980 Zhao et al., pl.13, 5
Cladophlebis permiensis Lee et Wang 1956 1980 Zhao et al., p.72.
Cladophlebis parapermica Zhang sp.nov. 1980 Zhao et al., p.81.pl.XIII,1,2,,2a.
Compsopteris Zalesky 1934
Compsopteris sp. 1980 Tian et Zhang, p.26.pl.XIII,3.
Compsopteris elliptica Chang ex Yang et Chen 1992 Guo et al., figs. 1-9.
Compsopteris imparis Gu et Zhi 1974 Gu et Zhi, pl.82,7-8; 1978 Zhang, p1.158, 5.
Compsopteris contracta Gu et Zhi 1974 1978 Zhang, p.475.p1.159, 1 (cf.), 2 3; 1980 Tian, p. 2; 1980 Zhao et al., p.72; 1980 Tian et Zhang, p.26.pl.XIV,4,4a,5.
Compsopteris punctinervis Mo 1980 Zhao et al., p.82.pl.XVIII,1-5,1a.
Compsopteris wongii (Halle 1927) Zalesky 1934 1978 Zhang, p.475.p1.158, 2
Danaeites Göppert 1836
Danaeites mirabilis Gu et Zhi 1974 Gu et Zhi, pl.66,8-10 ; 1978 Zhang, p.470.pl.156, 3; 1980 Tian et Zhang, p.24.pl.XI,1-3,2a,5.
Danaeites rigida (Yabe et Ôishi 1938) Gu et Zhi 1974 Gu et Zhi, pl.67,6 ; 1974 Wu et Deng, p.318.pl.168,3-5; 1978 Zhang, p.470.p1.156, 7.
Danaeites saraepontanus Stur 1883 1974 Gu et Zhi, pl.67, 9-12 ; 1978 Zhang, p.470.p1.156, 5
Discinites Feistmantelantel 1879
Discinites cf. *orientalis* Gu et Zhi 1980 Zhao et al.,p.71.
Fascipteris Gu et Zhi 1974
Fascipteris densata Gu et Zhi 1974 1978 Zhang, p.471.p1.156, 1; 1980 Zhao et al., pl.12, 7, 8
Fascipteris stena Gu et Zhi 1974 1978 Zhang, p.471.p1.156, 4; 1980 Tian et Zhang, p.25. pls.X, 3, 3a, 6,8,8a ;XI,7.
Fascipteris hallei (Kawasaki 1931) Gu et Zhi 1974 1980 Zhao et al., p.72.
Gigantospermum Gongmans et Gothan 1934
Gigantospermum sp.1 1980 Tian et Zhang, p.32.pl.XIX,5,6.
Gigantospermum sp.2 1980 Tian et Zhang, p.32.pls.IV,6,8;XXII,10.

Gigantospermum sp.3 1980 Tian et Zhang, p.32.pls.XXI,4,5;XXII,1,13.

Gigantospermum sp.4 1980 Tian et Zhang, p.33.pl.V,6,10.

Gigantospermum sp. 1980 Tian, p. 2.

Gigantopteris Schenk 1883

Gigantopteris cordata Yabe et Ôishi emend. 1980 Tian et Zhang, p.27.pl.XV,2.

Gigantopteris dictyophylloides Gu et Zhi 1974 1974 Gu et Zhi,pl.102,1-3; 1974 Wu et Deng, p.318.pl.168.6-7; 1980 Tian, p. 2; 1980 Zhao et al., p.73.

Gigantopteris nicotianaefolia Schenk 1933 Sze, pl.I,1; 1980 Tian, p.2 ; 1980 Tian et Zhang, p.27.pl.XV,1, 1a,1b.

Gigantopteris meganetes Tian et Zhang 1980 1980 Tian et Zhang, p.28.pls.XVII,1,3;XVIII,2,2a.

Gigantonoclea Koidzumi 1936

Gigantonoclea dictyophylloides Wu et Deng 1974 1974 Wu et Deng, p.318.pl.168,6-7; 1978 Zhang, p.477. pl.160, 3; 1980 Tian, p.2.

Gigantonoclea longifolia (Kodaira 1930) Gu et Zhi 1974 1978 Zhang, p.477.pl.160, 5(?)

Gigantonoclea guizhouensis Gu et Zhi 1974 1974 Gu et Zhi,pl.96,7-10 ; 1978 Zhang, p.477.p.160, 1 (cf.), 2; 1980 Tian, p.2 ; 1980 Tian et Zhang, p.27. p.1.XI, 4 ; XIII, 2; 1980 Zhao et al., p.1.16, 5 6

Gigantonoclea hallei (Asama 1959) Gu et Zhi 1974 1978 Zhang, p.476.pl.160, 4; 1980 Zhao et al., pl.15, 5; pl.20, 4

Gigantonoclea lagrelii (Halle 1927) Koidzumi 1936 1978 Zhang, p.476.p.159, 4; 1980 Zhao et al., pl.17, 7

Gigantonoclea plumosa Mo 1980 1980 Zhao et al., p.83.pl.XVI,1-3,1a,2a.

Gigantonoclea rosulata Gu et Zhi 1980 Tian et Zhang, p.27.pls.XII,2,4;XIII,1.

Glossopteris Brongniart 1828

Glossopteris guizhouensis Gu et Zhi 1974 1974 Gu et Zhi, pl.110,3-4; 1978 Zhang, p.480.pl.161, 5

Guizhoua Zhao 1980

Guizhoua gregalis Zhao 1980 1980 Zhao et al., p.89.pl.XXIII,1-4,1a,1b.

Guizhouoxylon Tian et Li 1992

Guizhouoxylon dahebianense Tian et Li 1992 1992 Tian et Li, pls.I,1-9; II,1-10; III, 1-10; IV, 1-10.

Lepidodendron Sternberg 1820

Lepidodendron acutangulum (Halle 1927) Stockmans et Mathieu 1957 1978 Zhang, p.460.pl.150, 4; 1980 Tian, p. 2; 1980 Zhao et al., pl.2, 1, 2; pl.5,7; 1980 Tian et Zhang, p.20.pl.II,2,4-7;III,2,2a.

Lepidodendron lepidophlodes Yao 1980 1980 Zhao et al.,p.74.pl.III,1,1a,2,6.

Lepidodendron oculus-felis (Abbado 1900) Zeiller 1901 1980 Tian, p.2; 1980 Zhao et al.,p.71 ; 1980 Tian et Zhang, p.20.pl.II,1.

Lepidostrobus Brongniart 1828

Lepidostrobus acutisquamus Yao 1980 1980 Zhao et al.,p.75.pl.II,7,8.

Lobatannularia Kawasaki 1927

Lobatannularia cathaysiana Yao 1980 1980 Zhao et al.,p.76.pl.III,3 ;V,1-6.

Lobatannularia fusiformis Zhang 1978 1978 Zhang, p.463.p.152, 2, 3

Lobatannularia heianensis (Kodaira 1924) Kawasaki 1927 1978 Zhang, p.462.pl.152, 6
Lobatannularia lingulata (Halle 1927) Halle 1928 1980 Zhao et al.,p.71 ; 1980 Tian et Zhang, p.22.pl.V,3;VI,1.
Lobatannularia maxima (Schenk) Sze 1933 Sze, p.25(cf.).
Lobatannularia multifolia Konno et Asama 1950 1978 Zhang, p.463.pl.152, 1; 1980 Tian, p.2; 1980 Tian et Zhang, p.22.pl.V,11 (cf.); 1980 Zhao et al., pl.6.7 9.
Lopadiangium Zhao 1980
Lopadiangium acmodontum Zhao 1980 1980 Zhao et al., p.90.pl.XXIII,9-14,9a,10a.
Neuropteridium (Schirnper 1869) Weiss 1869
Neuropteridium coreanicum Koiwai 1927 1974 Gu et Zhi, p.77,1-4,7(?); 1978 Zhang, p.474.p1.158, 4; 1980 Tian, p. 2; 1980 Zhao et al., p.72.
Neuropteridium guizhouensis Zhang 1978 1978 Zhang, p.474. p1.158, 1
Neuropteridium polymorphum Halle 1933 Sze, p.26.
Nilssonia Brongniart 1825
Nilssonia sp. 1980 Tian et Zhang, p.29.pl.XIV,3.
Otofolium Gu et Zhi 1974
Otofolium ovatum Gu et Zhi 1974 1974 Gu et Zhi, pl.127,7-9; 1978 Zhang, p.287.p1.165, 12, 13; 1980 Zhao et al., pl.22, 3, 3A
Paracalamites Zalesky 1932
Paracalamites stenocostatus Gu et Zhi 1974 1974 Gu et Zhi, pl.29,3-4 ; 1978 Zhang, p.461.pl.151, 4; 1980 Tian et Zhang, p.22. pl.V, 2; pl.VI, 2, 3, 5; 1980 Zhao et al., pl.3, 4, 4A; pl.4, 1, 2
Pecopteris (Brongniart 1822) Sternberg 1825
Pecopteris sp. cf. *Lobatannularia* sp. 1933 Sze, p.25.
Pecopteris arcuata Halle 1933 Sze, pl.I,8(cf.) ; 1980 Tian, p. 2.
Pecopteris (Ptychocarpus) arcuata Halle 1980 Tian et Zhang,p.24.pls.VIII,1-3,5,1a,3a ;IX,2,3.
Pecopteris cyathea (Schlotheim 1804) Brongniart 1828 1978 Zhang, p.468.p1.155, 3 (cf.)(P)
Pecopteris echinata Gu et Zhi 1974 1978 Zhang, p.468.p1.155,1; 1980 Zhao et al., pl.8, 1, 1A
Pecopteris guizhouensis Chang MS ex Zhang 1978 1978 Zhang, p.467.p1.154, 4, 5; 1980 Zhao et al., pl.8, 2-3; pl.10, 2-5; 1978 Zhang, p1.154, 1
Pecopteris hemitelioides Brongniart 1933 Sze, pl.I,6-7(cf.).
Pecopteris heteropinna (Yabe et Shimakura 1940) Gu et Zhi 1974 1978 Zhang, p.468.p1.154, 3
Pecopteris fuyuanensis Zhang 1980 1980 Zhao et al.,p.78.pl.IX,3 ;X,1.
Pecopteris lativenosa Halle 1927 1978 Zhang, p.467.p1.154, 2
Pecopteris lingulata Zhang 1980 1980 Zhao et al.,p.79.pl.VIII,4-6,5a.
Pecopteris longifolioides Zhang 1980 1980 Zhao et al.,p.79.pl.VII,3-5,3a,5a.
Pecopteris marginata Gu et Zhi 1974 1974 Gu et Zhi, pl.56,10-13 ; 1978 Zhang, p.467.p1.153, 8, 9; 1980 Tian et Zhang, p.24.pl.X, 1, 1a, 4, 4a.XI, 6; 1980 Zhao et al., pl.7, 2.
Pecopteris norinii Halle 1927 1978 Zhang, p.468.p1.155, 2
Pecopteris (Acitheca) cf. polymorpha (Brongniart) Sterzel 1980 Tian et Zhang,p.24.pl.IX,1,1a,4,6.
Pecopteris qingyunensis Zhang 1980 1980 Zhao et al.,p.78.pl.IX,3 ;X,1.
Pecopteris sahnii Hsü 1974 Wu et Deng, p.317.pl.168,1,2; 1978 Zhang, p.467.p1.153, 2; 1980 Tian, p. 2; 1980 Tian et Zhang, p.23.pl.VII, 2, 2a, 4; VIII, 4, 4a; 1980 Zhao et al., pl.II, 6, 6A.

Pecopteris shuichengensis Zhang 1978 1978 Zhang, p.469.p1.155, 6
Pecopteris taiyuanensis Halle 1927 1978 Zhang, p.468.p1.155, 5, (cf.)
Phyllothea Brongniart 1828
Phyllothea etheridgei Arber 1905 1974 Gu et Zhi, pl.34,8-10; 1978 Zhang, p.463.p1.152, £5 (cf.)
Plagiozamites Zeiller 1894
Plagiozamites sp. 1978 Zhang, p.465.p1.153. 5
Plagiozamites linearis Yabe et Oishi 1938 1978 Zhang, p.465.p1.153, 6 7 (cf.)
Plagiozamites oblongifolius Halle 1927 1974 Gu et Zhi, pls.35,6 ;36,1-3 ; 1978 Zhang, p.465.p1.152, 4; 1980 Zhao et al., pl.17, 5; pl.20, 3
Prionophyllopteris Mo 1980
Prionophyllopteris spiniformis Mo 1980 1980 Zhao et al., p.86.pl.XIX,9,10.
Psaronius Cotta 1832
Psaronius magnificus 1996 Tian et al., pl.I,6.
Psaronius sinensis Sze 1942 1953 Sze, pls.LXXVI,1-4;LXXVII,1-2; 1978 Zhang, p.480.p1.162, 1-3
Psaronius wangii Tian, Li et Guo 1992 Tian et al.,pl.I-VI.
Pterophyllum Brongniart 1825
Pterophyllum eratum Gu et Zhi 1974 1974 Gu et Zhi, pl.115,1-2; 1978 Zhang, P.481.p1.162, 4; 1980 Zhao et al., pl.20, 1 2.
Rajahia Kon'no 1970
Rajahia guizhouensis Zhang 1980 1980 Zhao et al., p.80.pl.XI, 2-4,2a.
Rajahia minor Zhang sp.nov. 1980 Zhao et al., p.80.pl.XII,3,4,4a.
Rajahia mirabilis (Gu et Zhi) Zhang comb.nov. 1980 Zhao et al., p.72.
Rajahia rigida (Yabe et Ôishi) Zhang comb.nov. 1980 Zhao et al., p.72.
Rhipidopsis Schmalhausen 1879
Rhipidopsis sp. 1980 Tian, p. 2; 1980 Tian et Zhang, p.31.pl.XXI,6.
Rhipidopsis ginkgoides Schmalhausen 1879 1974 Gu et Zhi, pl.116,10(cf.); 1978 Zhang, P.484.p1.163, 2 (cf.), 7; 1980 Zhao et al., pl.21, 1-2 (cf.)
Rhipidopsis gondwanensis Seward 1980 Tian et Zhang, p.30.pls.XIV,1,2;XXII,6,11.
Rhipidopsis guizhouensis Tian et Zhang 1980 1980 Tian et Zhang, p.29.pl.XIV,1,2,6.
Rhipidopsis minutus Zhang 1978 1978 Zhang, P.484.p1.163, 4
Rhipidopsis panii Chow 1974 Gu et Zhi, pl.117,1-3; 1978 Zhang, p.483.p1.163, 1 (cf.), 3; 1980 Tian, p.2 ; 1980 Tian et Zhang, p.29.p1.XVII, 4; 1980 Zhao et al., pl.21, 3, 4
Rhipidopsis shuichengensis Tian et Zhang 1980 1980 Tian et Zhang, p.30.pls.XX,1-6;XXI,1-3.
Rhizomopsis Gothan et Sze 1933
Rhizomopsis gemmifera Gothan et Sze 1933 1978 Zhang, P.488.p1,164, 7; 1980 Tian et Zhang, p.34.pl.XXII,7,8,12.; 1980 Zhao et al., pl.20. 5
Samaropsis Goeppert 1865
Samaropsis sp. 1980 Tian et Zhang, p.31.pl.XIX,3,4.
Schizoneura Schimper et Mougeot 1844
Schizoneura manchuriensis Kon'no 1980 Zhao et al.,p.71.
Sphenophyllum Brongniart 1828
Sphenophyllum sp. 1980 Zhao et al.,p.71.
Sphenophyllum koboense Kobatake 1957 1980 Tian, p.2 ; 1980 Zhao et al.,p.71; 1980 Tian et

Zhang, p.21. pl.IV,3-5,7,7a;XXIII, 1.
Sphenophyllum sino-coreanum Yabe 1920 1978 Zhang, p.461.p1.150, 10; 1980 Zhao et al.,p.71.
Sphenophyllum sino-coreanum dentatum Zhang 1978 1978 Zhang, p.461.pl.151, 7; 1980 Zhao et al., pl.6, 1, 2
Sphenophyllum speciosum (Royle 1833) McClelland 1850 1978 Zhang, p.461.p1.150, 3
Sphenopteridium Schimper 1927
Sphenopteridium pseudogermanicum (Halle) Gu et Zhi 1980 Tian et Zhang,p.23.pl.VII,3,3a.
Sphenopteris (Brongniart 1822) Sternberg 1825
Sphenopteris sp. 1980 Tian et Zhang,p.23.pl.VII,1,1a.
Sphenopteris tenuis Schenk 1883 1978 Zhang, P.466.p1.153, 3; 1980 Zhao et al., p.71.
Stigmaria Brongniart 1822
Stigmaria ficoides (Sternberg 1820) Brongniart 1822 1980 Zhao et al.,p.71 ; 1980 Tian et Zhang, p.21.pl.III,3.
Stigmaria rugulosa Gothan 1923 1980 Tian et Zhang, p.21.pl.IV,1,2.
Strigillotheca Gu et Zhi 1974
Strigillotheca fasciculata Gu et Zhi 1974 1974 Gu et Zhi, pl.129,5-7; 1978 Zhang, p.488.p1.164, 8, 9; 1980 Zhao et al., pl.22, 4
Sphenobaiera Florin 1936
Sphenobaiera nystroemii Halle 1927 1978 Zhang, p.466.pl.161, 3 (cf.); 1980 Tian et Zhang, pl.19, 7
Szea Yao et Taylor 1988
Szea (Cladophlebis) sinensis Yao et Taylor 1993 Yao et al.,pl.IV.
Taeniopteris Brongniart 1828
Taeniopteris sp.1 1980 Tian et Zhang, p.29.pls.XVII,2;XVIII,1.
Taeniopteris sp.2 1980 Tian et Zhang, p. 29.pls.XII,3.
Taeniopteris rarinervis Zhao 1980 1980 Zhao et al.,p.84.pl.XXII,1,1a.
Taeniopteris crassinervis Mo 1980 1980 Zhao et al.,p.84.pl.XVIII,6,7.
Taeniopteris nystroemii Halle 1927 1980 Tian et Zhang, p.28.pl.XIX,7.
Ullmannia Göppert 1850
Ullmannia bronni Göppert 1850 1978 Zhang, p.485.p1.165, 14; 1980 Zhao et al.,p.73(cf.).
Ullmannia sp. 1980 Zhao et al.,p.73.
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Lepidodendron Sternberg 1820

Lepidodendron acutangulum (Halle) 1977 Feng et al.,p.632.pl.232,7-8.
Lepidodendron oculus-felis (Abbado) 1977 Feng et al.,p.633.pl.232,6; 1979 Yang et Chen,p.104.pl.XVI, 1,2.
Lepidodendron xingningense Feng 1977 1977 Feng et al.,p.633.pl.233,9-10.
Lepidostrobophyllum Hirmer 1927
Lepidostrobophyllum cf. *caudatum* (Stockmans et Mathieu) Gu et Zhi 1979 Yang et Chen,p.105. pl.XVI,4, 4a.
Lepidostrobophyllum mucronatum Yang et Chen 1979 1979 Yang et Chen,p.104.pl.XVI, 3,3a.
Lepidostrobophyllum sp. 1979 Yang et Chen,p.105.pl.XVI,5.
Lobatannularia Kawasaki 1927
Lobatannularia cathaysiana Yao (MS) 1979 Yang et Chen,p.107.pl.XVIII,1.
Lobatannularia ensifolia (Halle 1927) Halle 1928 1977 Feng et al.,p.643.pl.238,13.
Lobatannularia ensifolioides Yao (MS) 1979 Yang et Chen,p.108.pl.XVIII,2-5.
Lobatannularia heianensis (Kodaira 1924) Kawasaki 1927 1977 Feng et al.,p.643.pl.238,10-12; 1979 Yang et Chen,p.108.pl.XVIII,6,7.
Lobatannularia huapingensis Feng 1977 1977 Feng et al.,p.644.pl.237,7.
Lobatannularia lingulata (Halle) Halle 1989 Mei et al.,figs.3-26.
Lobatannularia longifolia Feng 1977 1977 Feng et al.,p.644.pl.237,5-6.
Lobatannularia multifolia Kon'no et Asama 1950 1977 Feng et al.,p.644.pl.237,1-4; 1979 Yang et Chen,p.109. pl.XVIII,8;XIX,1,2.
Neuropteridium Schimper 1869
Neuropteridium coreanicum Koiwai 1977 Feng et al.,p.657.pl.243,3-4; 1979 Yang et Chen,p.126. pl.XXXV,2-5,2a.
Neuropteridium nervosum Halle 1977 Feng et al.,p.657.pl.243,3-4.
Neuropteridium polymorphum Halle 1977 Feng et al.,p.658.pl.243,1.
Neuropteris Sternberg 1825
Neuropteris sp. 1930 Zhang, pl.III,2.
Neuropteris flexuosa Brongniart 1930 Zhang, pl.III,1.
Orthotheca Corsin 1951
Orthotheca (Pecopteris) obliqua Yang et Chen 1979 1979 Yang et Chen,p.118.pl.XXIX,1,1a,1b; XXX, 1-3,4,4a.
Orthotheca (Pecopteris) rigida (Yabe et Ôishi) Yang et Chen 1979 1979 Yang et Chen,p.120. pl.XXV,3A;XXX,5;XXXI,1,1a,1b.
Otofolium Gu et Zhi 1974
Otofolium polymorphum Gu et Zhi 1977 Feng et al.,p.673.pl.252,6; 1979 Yang et Chen,p.138.pl.XLIII,4,5.
Otofolium ovatum Gu et Zhi 1977 Feng et al.,p.673.pl.252,4-5.
Palaeostachya Weiss 1876
Palaeostachya sp.1 1979 Yang et Chen,p.109.pl.XIX,3,3a.
Palaeostachya sp.2 1979 Yang et Chen,p.109.pl.XIX,4,4a,4b.
Paracalamites Zalessky 1932
Paracalamites sp. 1979 Yang et Chen,p.106.pl.XVI,7.
Paracalamites stenocostatus Gu et Zhi 1977 Feng et al.,p.642.pl.236,10.
Pecopteris Brongniart 1822

Pecopteris anderssonii Halle 1927 1930 Zhang, pls.I,5;II,4(cf.); 1977 Feng et al.,p.653.pl.243,12.
Pecopteris arborescens (Schlotheim) Sternberg 1963 Zhou, pl.66,5; 1977 Feng et al.,p.653.pl.242,1-2; 1979 Yang et Chen,p.111. pl.XX,1,2,2a.
Pecopteris (Asterotheca) hemitelioides Brongniart 1977 Feng et al.,p.653.pl.242,4.
Pecopteris (Asterotheca) orientalis (Schenk) Potonie 1977 Feng et al.,p.653.pl.240,5.
Pecopteris (Asterotheca) crassinervis Yang et Chen 1979 1979 Yang et Chen,p.112.pl.XX,5,5a; XXI, 1-4,2a,4a,4b.
Pecopteris (Ptychocarpus) arcuata Halle 1979 Yang et Chen,p.111.pl.XX,3,3a,4;XXIV,6.
Pecopteris echinata Gu et Zhi 1979 Yang et Chen,p.112.pl.XXI,5,5a.
Pecopteris hirta Halle 1963 Zhou, pl.67,4; 1977 Feng et al.,p.653.pl.240,10.
Pecopteris cf. lativenosa Halle 1979 Yang et Chen,p.115.pl.XXIV,4,4a.
Pecopteris nervosa (Halle) Wang 1979 Yang et Chen,p.115.pl.XXXV,6,6a.
Pecopteris (Asterotheca) orientalis (Schenk) Potonie 1963 Zhou, pl.67,3.
Pecopteris renhuaensis Yang et Chen 1979 1979 Yang et Chen,p.113.pl.XXII,5,5a,5b,5c;XXIII,1-3,1a,3a.
Pecopteris rotundus Yang et Chen 1979 1979 Yang et Chen,p.114.pl.XXV,1,1a.
Pecopteris sahnii Hsü 1979 Yang et Chen,p.115.pl.XXV,2,2a,3,3a.
Pecopteris wongii Halle 1927 1963 Zhou, pl.67,1; 1977 Feng et al.,p.654.pl.240,8.
Pecopteris sp. 1979 Yang et Chen,p.116.pl.XXV,5,5a.
Pectinangium Gu et Zhi 1974
Pectinangium lanceolatum Gu et Zhi 1979 Yang et Chen,p.139.pl.XLIII,3,3a,3b.
Phylladoderma Zalessky 1914
Phylladoderma cf. arberi Zalessky emend. Neuberg 1979 Yang et Chen,p.131.pl.XLII,5,5a,6,6a.
Plagiozamites Zeiller 1894
Plagiozamites oblongifolius Halle 1927 1979 Yang et Chen,p.130.pl.XLI,1-4,4a.
Psymphyllum Schimper 1870
Psymphyllum multipartitum Halle 1979 Yang et Chen,p.133.pl.XLIII,1.
Pterophyllum Brongniart 1824
Pterophyllum sp. 1979 Yang et Chen,p.131.pl.XLII,1.
Radicites Potonié 1893
Radicites sp. 1979 Yang et Chen,p.139.pl.XLIV,2.
Rhabdocarpus Göppert et Berger 1848
Rhabdocarpus sekitateoi Shimakura 1979 Yang et Chen,p.1138.pl.XLIII,2,2a.
Rhipidopsis Schmalhausen 1879
Rhipidopsis concava Yang et Chen 1979 1979 Yang et Chen,p.133.pl.XLIII,6;XLIV,1.
Rhipidopsis panii Chow 1974 Gu et Zhi, pl.117,2; 1977 Feng et al.,p.669.pl.251,6; 1979 Yang et Chen,p.134. pl.XLV,1A,2,3.
Rhipidopsis radiata Yang et Chen 1979 1979 Yang et Chen,p.135.pl.XLVI,1.
Rhipidopsis sp.1 1979 Yang et Chen,p.136.pl.XL.5B.
Rhizomopsis Gothan et Sze 1933
Rhizomopsis gemmifera Gothan et Sze 1933 1979 Yang et Chen,p.139.pl.XLIV,3,4;XLV,1B.
Scolecoperis (Zenker) Millay 1979
Scolecoperis unifercata (Yang et Chen) emend. Yang 1996 Yang et al., pl.IV,1-5.
Sphenophyllum Brongniart 1828

Sphenophyllum sino-coreanum Yabe 1979 Yang et Chen, p.105. pl.XVI, 8-10.
Sphenopteridium Schimper 1874
Sphenopteridium pseudogermanicum (Halle 1927) Gu et Zhi 1974 1977 Feng et al., p.650.
 pl.241,5.
Sphenopteris Brongniart 1822
Sphenopteris grabau Halle 1930 Zhang, pl.II,1.
Sphenopteris cf. *tenuis* Schenk 1979 Yang et Chen, p.110. pl.XIX, 6,6a.
Sphenopteris pseudogermanica Halle 1963 Zhou, pl.66,4.
Stigmara Brongniart 1822
Stigmara ficoides (Sternberg 1820) Brongniart 1822 1930 Zhang, pl.V,2-3; 1977 Feng et al., p.637.
 pl.234,4; 1979 Yang et Chen, p.105. pl.XVI, 6.
Stigmara rugulosa Gothan 1974 Gu et Zhi, p.37. pl.20,6-7; 1977 Feng et al., p.637. pl.234,5.
Taeniopteris Brongniart 1828
Taeniopteris multinervis Weiss 1869 1979 Yang et Chen, p.129. pl.XL,1.
Taeniopteris szei Chow 1962 1979 Yang et Chen, p.129. pl.XL,2.
Taeniopteris sp.1 1979 Yang et Chen, p.130. pl.XL,3,3a.
Taeniopteris sp.2 1979 Yang et Chen, p.130. pl.XL,4.
Taeniopteris sp.3 1979 Yang et Chen, p.130. pl.XL,5A.
Tingia Halle 1925
Tingia carbonica (Schenk 1883) Halle 1925 1977 Feng et al., p.647. pl.239,8.
Ullmannia Goeppert 1850
Ullmannia cf. *bronnii* Goeppert 1977 Feng et al., p.671. pl.251,3-5.
Ullmannia frumentaria Goeppert 1977 Feng et al., p.671. pl.251,1-2; 1979 Yang et Chen, p.137.
 pl.XLVI,2-4,4a; XLVII,1-3,2a.
Ullmannia sp. 1979 Yang et Chen, p.137. pl.XLVII,4,4a.

Guangxi (1974 Gu et Zhi, Pingle; 1977 Feng et al., Hepu County)

Annularia Sternberg 1832
Annularia pingloensis (Sze) 1977 Feng et al., p.642. pl.238,3-4.
Gigantonoclea Koidzumi, emend. Gu et Zhi, 1974
Gigantonoclea sp. 1974 Gu et Zhi, pl.99,5-6; 1977 Feng et al., p.665. pl.247,6.
Lepidodendron Sternberg 1820
Lepidodendron acutangulum (Halle) Stockman et Mathieu 1974 Gu et Zhi, p.30. pl.15,1-4.
Neuropteridium Schimper 1869
Neuropteridium coreanicum Koiwai 1927 1977 Feng et al., p.657. pl.243,3-4.
Neuropteridium nervosum Halle 1977 Feng et al., p.657. pl.243,3-4.
Rhipidopsis Schmalhausen 1879
Rhipidopsis panii Chow 1977 Feng et al., p.669. pl.251,6.
Schizoneura Schimper et Mougeot 1844
Schizoneura lingshanensis Feng et Meng (sp.nov.) 1977 Feng et al., p.645. pl.239,1.
Sigillaria Brongniart 1822
Sigillaria ichthyolepis (Presl) Corda 1977 Feng et al., p.635. pl.233,2.
Ullmannia Goeppert 1850
Ullmannia cf. *bronnii* Goeppert 1977 Feng et al., p.671. pl.251,3-5.

Hunan (1977 Feng et al., Lianyuan; Leiyang; Binxian; 1982 Cheng, Niumasi, Shaodong County; Huangfeng Bridge, Taoshui and Guanghuang, Youxian County; Leiyang County; Binxian County; Qixing Street and Guanshan Hill Coal Field, Lianyuan County; Jiehualong, Chaling County; Long'ao Coal Field, Anhua County; Yang's Bridge, Xiangtan County; Ma'anshan, Xinhua County; 1997 Hu et al., Niumasi Coal Field, Shaodong County; Huangfeng Bridge, Youxian County; Feng Bridge, Futian;)

Annularia Sternberg 1832

Annularia sp. 1997 Hu et al., pl.I,6.

Annularia hunanensis Gu et Zhi 1974 1974 Gu et Zhi, pl.32,4-7; 1977 Feng et al.,p.642,pl.235,9; 1982 Cheng, p.512,pl.327,5,6.

Annularia mucronata Schenk 1883 1977 Feng et al.,p.642.235,10; 1982 Cheng, p.512,pl.327,1.

Calamites Suckow 1784

Calamites sp. 1977 Feng et al.,p.641,pl.236,8.

Calamites shaodongensis Hu et Ma 1997 1997 Hu et al., pl.I,1.

Cathaysiopteris Koidzumi 1934

Cathaysiopteris sp. 1977 Feng et al.,p.663,pl.246,5; 1982 Cheng, p.517,pl.331,10.

Compsopteris Zalesky 1943

Compsopteris contracta Gu et Zhi 1974 1982 Cheng, p.517,pl.331,8.

Cordaites Unger 1850

Cordaites principalis (Germar) 1977 Feng et al.,p.670,pl.252,1-2; 1982 Cheng, p.519,pl.333,5.

Fasciapteris Gu et Zhi 1974

Fasciapteris multinervis Cheng 1982 1982 Cheng, p.516,pl.331,9,9a.

Gigantonoclea Koidzumi, emend. Gu et Zhi, 1974

Gigantonoclea acuminatiloba (Shimakura) 1977 Feng et al.,p.664,pl.247,1-2.

Gigantonoclea guizhouensis Gu et Zhi 1982 Cheng, p.517,pl.331,3-4.

Gigantonoclea xiangtanensis Cheng 1982 1982 Cheng, p.517,pl.332,7,7a.

Gigantonoclea yabei (Kawasaki) 1977 Feng et al.,p.665,pl.248,1-2.

Gigantonoclea sp.1 1977 Feng et al.,p.665,pl.248,3.

Gigantonoclea sp.2 1977 Feng et al.,p.665,pl.248,4.

Gigantonoclea sp. 1977 Feng et al.,p.665,pl.247,6; 1982 Cheng, p.518,pl.332,5.

Gigantopteris Schenk 1833 emend. Gu et Zhi 1974

Gigantopteris nicotianaefolia Schenk 1883 1977 Feng et al.,p.666,pl.246,1;pl.253,4; 1982 Cheng, p.518, pl.332,1.

Ginkgoites Seward. 1919 Florin 1936

Ginkgoites xinhuaensis Feng 1982 Cheng, p.519,pl.332,2.

Lepidodendron Sternberg 1820

Lepidodendron varium Gu et Zhi 1982 Cheng, p.509,pl.326,3.

Lepidodendron acutangulum (Halle) Stockman et Mathieu 1974 Gu et Zhi, p.30,pl.15,1-4.

Lobatannularia Kawasaki 1927

Lobatannularia cathaysiana Yao 1980 1982 Cheng, p.513,pls.328,6;329,11.

Lobatannularia diptera Hu et Ma 1997 1997 Hu et al., pl.I,3.

Lobatannularia youxianensis Hu et Ma 1997 1997 Hu et al., pl.I,4,5.

Otofolium Gu et Zhi 1974

Otofolium polymorphum Gu et Zhi 1982 Cheng, p.520.pl.333,1.
Otofolium strictum Cheng 1982 1982 Cheng, p.520.pl.333,2,2a.
Rhipidopsis Schmalhausen 1879
Rhipidopsis minor Feng 1982 Cheng, p.519.pl.332,3.
Rhipidopsis panii Chow 1977 Feng et al.,p.669.pl.251,6; 1982 Cheng, p.519.pl.333,8.
Schizoneura Schimper et Mougeot 1844
Schizoneura sp. 1997 Hu et al., pl.I,2.
Schizoneura lingshanensis Feng et Meng 1982 Cheng, p.513.pl.329,10.
Sphenobaiera Florin 1936
Sphenobaiera biloba Feng 1977 1977 Feng et al.,p.668.pl.250,1; 1982 Cheng, p.518.pl.332,6.
Sphenobaiera xinhuaensis Feng 1977 1977 Feng et al.,p.668.pl.249,5.
Sphenophyllum Brongniart 1828
Sphenophyllum speciosum (Royle 1833) McClelland 1850 1982 Cheng, p.511.pl.327,10.
Paracalamites Zalessky 1932
Paracalamites shaodongensis Cheng 1982 1982 Cheng, p.512.pl.328,1-2.
Pecopteris Brongniart 1822
Pecopteris arborescens (Schlotheim) Sternberg 1977 Feng et al.,p.653.pl.242,1-2; 1982 Cheng, p.515. pls.330,11;331,7.
Pecopteris sahnii Hsü 1982 Cheng, p.515.pl.330,3.
Pecopteris unita Brongniart 1982 Cheng, p.515.pl.330,7,7a.
Rajahia Kon'no 1970
Rajahia youxianensis Cheng 1982 1982 Cheng, p.516.pls.330,8,8a;331,1-2.
Taeniopteris Brongniart 1828
Taeniopteris hunanensis Gu et Zhi 1974 1974 Gu et Zhi,pl.107,5-6; 1982 Cheng, p.518.pl.332,4.
Tingia Halle 1925
Tingia carbonica (Schenk 1883) Halle 1925 1977 Feng et al.,p.647.pl.239,8; 1982 Cheng, p.514.pl.329,12.

Jiangxi (1988 Mei et Liang and 1996 He et al., Mingshan Coal Field and Qiaotouqiu Coal Field, Leping City; Bayi Coal Field and Jianxin Coal Field, Fengcheng County; North-Huashan Hill, An'fu County; Shilian Coal Field, Jishui County; Gaoqiao Coal Field, Xinfeng County; Bajing Coal Field and Yinggangling Coal Field, Gao'an City; Santian Coal Field, Pingxiang City; Daluo Coal Field, Longnan County; Xicha Coal Field of Yangqiao Bridge and Yangjiang Bay Head, Fenyi County; Xin'an Coal Field, Yanshan Hill, Guanshan Formation, Laoshan Formation and Wulinshan Formation; 1982 Li et al., Hufang; Anfu; Guangfeng; Fenyi and Zhongling Bridge, Wulinshan Formation and Leping Formation; 1983 Mei et Lee, Pingxiang; Yinggangling; Fengcheng, Longtan Formation; 1987 Mei et al., Pingle Depression; Jishui, Anfu County, Leping Formation; 1989 Mei et al., Pingxiang; Fengcheng; Leping; Anfu, Leping Formation; 1974 Gu et Zhi, Fengcheng; Longnan;)

Abrotopteris Mo 1980

Abrotopteris guizhouensis (Gu et Zhi) Mo

Acitheca Schimpere 1879

Acitheca cupressoides Gu et Zhi 1987 Mei et al.,p.123; 1988 Mei et Liang, p.91.

Acitheca unifurcata Yang et Chen 1996 He et al.,p.48.pl.23,1-4;24,1-4.

Annularia Sternberg 1821
Annularia spp. 1988 Mei et Liang, p.91.
Annularia hunanensis Gu et Zhi 1987 Mei et al.,p.122.
Annularia mucronata Schenk 1883 1987 Mei et al.,p.122.
Annularia pingloensis (Sze) Gu et Zhi 1996 He et al.,p.30.pl.9,5-6.
Asterotheca Presl 1945
Asterotheca cupressoides (Gu et Zhi) Comb. He et al. 1996 1996 He et al.,p.48.pl.21,5-7;22,3-5;
82,1-6;83,1-4.
Bilobphyllum He 1996
Bilobphyllum fengchengensis He 1996 1996 He et al.,p.78.pl.79,1-2;80,1-5.
Calamites Brongniart 1828
Calamites sp. 1987 Mei et al.,p.122.
Callipteridium Weiss 1870
Callipteridium hallei Kawasaki 1996 He et al.,p.56.pl.44,4.
Cardiocarpus Brongniart 1881
Cardiocarpus kaipingensis Stockman et Mathieu 1996 He et al.,p.89.pl.81,7.
Carpolithus Brongniart 1822
Carpolithus sp. 1987 Mei et al.,p.125.
Cathaysiodendron Lee 1963
Cathaysiodendron acutangulum (Halle) 1987 Mei et al.,p.122; 1996 He et al.,p.19.pl.1,1-4.
Cathaysiophyllum Lan 1982
Cathaysiophyllum lobifolium (Yang et Chen) Lan et al. 1996 He et al.,p.90.pl.61,9;62,4-5.
Cathaysiopteris Koidzumi 1934
Cathaysiopteris cf. *whitei* (Halle) Koidzumi 1983 Mei et Lee, pl.I,1; 1987 Mei et al.,p.124.
Chansitheca Regè 1921
Chansitheca sp. 1987 Mei et al.,p.123; 1988 Mei et Liang, p.92.
Chansitheca kidstonii Halle 1987 Mei et al.,p.123
Chansitheca palaeosilvana Rege 1987 Mei et al.,p.123.
Compsopteris Zalessky 1934
Compsopteris spp. 1988 Mei et Liang, p.91.
Cladophlebis Brongniart 1849
Cladophlebis cf. *yunnanensis* Zhang 1996 He et al.,p.54.pl.41,3-4.
Cladophlebis nystroemii Halle 1987 Mei et al.,p.123.
Cladophlebis ozakii Yabe et Ôishi 1938 1987 Mei et al.,p.123; 1996 He et al.,p.54.pl.38,2.
Cladophlebis parapermica Zhang 1996 He et al.,p.54.pl.41,3-4.
Cladophlebis permianensis Lee et Wang 1956 1987 Mei et al.,p.123; 1988 Mei et Liang, p.91.
Cladophlebis permicoide Mei et al. 1987 1987 Mei et al.,p.124.
Cladophlebis rhomboida-ovata Yang et Chen 1987 Mei et al.,p.123.
Compsopteris Zalessky 1934
Compsopteris contracta Gu et Zhi 1974 1987 Mei et al.,p.123.
Compsopteris elliptica Chang (MS) 1987 Mei et al.,p.124.
Compsopteris imparis Mo 1987 Mei et al.,p.124.
Compsopteris punctinervis Mo 1987 Mei et al.,p.123.
Compsopteris spp. 1987 Mei et al.,p.123; 1988 Mei et Liang, p.92.

Cordaites Unger 1850
Cordaites sp. 1987 Mei et al.,p.125.
Cordaites principalis (Germar) Geinitz 1987 Mei et al.,p.125; 1996 He et al.,p.85.pl.65,3.
Danaeites Goepfert 1836
Danaeites gigantea sp.nov. 1996 He et al.,p.50.pl.34,1.
Danaeites rigida (Yabe et Ôishi 1938) Gu et Zhi 1974 1974 Gu et Zhi, pl.67,4-5 ; 1982 Li et al.,
p.362. pl.143,12-13; 1987 Mei et al.,p.123; 1996 He et al.,p.49.pl.29,6;33,4;
34,3-7;35,1-6;55,1.
Danaeites saraepontanus Stur 1883 1996 He et al.,p.50.pl.35,7.
Equisetites Sternberg 1833
Equisetites sp. 1987 Mei et al.,p.122; 1996 He et al.,p.27.pl.7,7.
Fascipteris Gu et Zhi 1974
Fascipteris (Ptychocarpus) densata Gu et Zhi 1987 Mei et al.,p.123; 1996 He et al.,p.52.pl.46,1-7.
Fascipteris stena Gu et Zhi 1974 1987 Mei et al.,p.123.
Gigantonoclea (Koidzumi) Gu et Zhi 1974
Gigantonoclea acuminatiloba (Shimakura) Gu et Zhi 1987 Mei et al.,p.124; 1989 Mei et al.,
p.167.
Gigantonoclea americana White 1983 Mei et Lee, pls.II,1;III,5.
Gigantonoclea anfuensis sp.nov. 1996 He et al.,p.70.pl.59,6.
Gigantonoclea crassinervis Mei et al. 1987 1987 Mei et al.,p.124; 1996 He et al.,p.70.pl.59,3-5.
Gigantonoclea guizhouensis Gu et Zhi 1987 Mei et al.,p.124;
Gigantonoclea hallei Asama 1987 Mei et al.,p.124;1988 Mei et Liang, p.91.
Gigantonoclea jiangxiensis Mei et al. 1987 1987 Mei et al.,p.124.
Gigantonoclea lagrelii (Halle 1927) Koidzumi 1936 1987 Mei et al.,p.124; 1988 Mei et Liang,
p.92(cf.); 1989 Mei et al., p.167.
Gigantonoclea longifolia (Kodaira) Gu et Zhi 1983 Mei et Lee, pl.I,7,8.
Gigantonoclea meridionali Li et Yao 1987 Mei et al.,p.124.
Gigantonoclea nicotianaefolia Schenk, emend. Gu et Zhi 1983 Mei et Lee, pl.II,3-5.
Gigantonoclea rosulata Gu et Zhi 1987 Mei et al.,p.124.
Gigantonoclea rosulatoides Mei et Lee 1983 1983 Mei et Lee, pl.II, 2,2a; 1987 Mei et al.,p.124.
Gigantonoclea sp. 1974 Gu et Zhi, pl.99,4.
Gigantonoclea sp.1 1987 Mei et al.,p.124.
Gigantonomia Li et Yao 1983
Gigantonomia sp. 1987 Mei et al.,p.124.
Gigantonomia sp. 1987 Mei et al.,p.124.
Gigantopteris (Schenk) emend. Gu et Zhi 1974
Gigantopteris americana White 1983 Mei et Lee, pl.II,1.
Gigantopteris cordata Yabe et Oishi 1977(NO)
Gigantopteris dictyophylloides Gu et Zhi 1974 1987 Mei et al.,p.124; 1989 Mei et al., p. 167;
1996 He et al.,p.66.pl.48,3.
Gigantopteris jishuiensis sp.nov.(NO)
Gigantopteris nicotianaefolia Schenk 1883 1987 Mei et al.,p.124; 1996 He et
al.,p.65.pl.47,1-2;48,1-2;49,1; 50,1; 51,1.
Gigantopteris paradoxa Mo 1996 He et al.,p.67.pl.59,1.

Gigantopteris sp. 1987 Mei et al.,p.124.
Henanopteris Yang 1987
Henanopteris lanceslatus Yang 1996 He et al.,p.57.pl.45,1-3.
Lepidodendron Sternberg 1820
Lepidodendron acutangulum (Halle) Stockmans et Mathieu 1988 Mei et Liang, p.92; 1989 Mei et al., p.167.
Lepidodendron oculus-felis (Abbado 1900) Zeiller 1901 1987 Mei et al.,p.122
Lepidophylloides (Brongniart) Snigirievskaya 1958
Lepidophylloides sp. 1987 Mei et al.,p.122; 1996 He et al.,p.21.pl.1,5;3,3-4.
Lepidostrobophyllum caudatum (Stockman et Mathieu) Gu et Zhi 1987 Mei et al.,p.122; 1996 He et al.,p.21. pl.2, 5-7;3,1-2.
Lepidostrobophyllum Hirmer 1927
Lepidostrobophyllum sp. 1987 Mei et al.,p.122; 1988 Mei et Liang, p.93.
Lepidostrobus Brongniart 1828
Lepidostrobus acutisquamus Yao 1987 Mei et al.,p.122; 1996 He et al.,p.21.pl.2,4.
Lepidostrobus sp. 1987 Mei et al.,p.122.
Lobatannularia Kawasaki 1927
Lobatannularia cathaysiana Yao 1980 1987 Mei et al.,p.122.
Lobatannularia cf. *spatulata* (Kawasaki) He 1987 Mei et al.,p.122; 1996 He et al.,p.34.pl.9,2-3.
Lobatannularia ensifolia (Halle 1927) Halle 1928 1996 He et al.,p.33.pl.9,1.
Lobatannularia fenyi sp.nov. 1996 He et al.,p.35.pl.97,3-5.
Lobatannularia heianensis (Kodaira 1924) Kawasaki 1927 1987 Mei et al.,p.122; 1996 He et al.,p.31.pl.9,4;10,2.
Lobatannularia lingulata (Halle 1927) Halle 1928 1987 Mei et al.,p.122; 1996 He et al.,p.32.pl.10,1.
Lobatannularia multifolia Kon'no et Asama 1950 1974 Gu et Zhi, pl.34,2; 1987 Mei et al.,p.122; 1989 Mei et al., p.167; 1996 He et al.,p.34.pl.10,3-4; 11,5-6;97,2.
Lobatannularia ovata sp.nov. 1996 He et al.,p.35.pl.97,1.
Lobatannularia sp. 1982 Li et al.,p.350.pl.140, 9-10; 1987 Mei et al.,p.122.
Lopadiangium Zhao 1980
Lopadiangium acmodontum Zhao 1980 1987 Mei et al.,p.125.
Macrostachya Schimper 1869
Macrostachya sp.1(NO)
Macrostachya sp.2(NO)
Meia He 1996
Meia magnifolia He 1996 1996 He et al.,p.78.pl.78,2-4;90;91.
Meia mingshanensis He 1996 1996 He et al.,p.77.pl.75;76,1;77,1-2;78,1;79,3;92.
Neuropteridium Schimper 1869
Neuropteridium coreanicum Koiwai 1927 1996 He et al.,p.55.pl.42;43,1-2;44,3;45,6.
Nilssonia Brongniart 1825
Nilssonia sp. 1987 Mei et al.,p.125; 1996 He et al.,p.80.pl.66,4.
Nilssonia undulata Stockmans et Mathieu 1996 He et al.,p.77.pl.75;76,1;77,1-2;78,1;79,3;92.
Nilssonia xichaense sp.nov. 1996 He et al.,p.78.pl.78,2-4;90;91.
Noeggerathiopsis Feistmantel 1879

Noeggerathiopsis sp. 1996 He et al.,p.86.pl.68,1-2.
Nystroemia Halle 1927
Nystroemia pectiniformis Halle 1987 Mei et al.,p.125.
Nystroemia uniseriata Lan et Li H. M. 1982 1982 Li et al.,p.377.pl.156,2-11.
Otofolium Gu et Zhi
Otofolium ensifolium He 1996 1996 He et al.,p.91.pl.98,3-4.
Otofolium gianshanense Li H. M. 1982 1982 Li et al., p.374.pl.155,6-8.
Otofolium ovatum Gu et Zhi 1987 Mei et al.,p.125.
Otofolium polymorphum Gu et Zhi 1988 Mei et Liang, p.91.
Paracalamites Zalessky 1927
Paracalamites sp. 1987 Mei et al.,p.122.
Paracalamites stenocostatus Gu et Zhi 1987 Mei et al.,p.122; 1996 He et al.,p.29.pl.7,2-3.
Paratrizygia (Asama) emend.
Paratrizygia koboensis (Kobatake) Asama 1996 He et al.,p.27.pl.5,1-6;7,4.
Pecopteris Brongniart 1822
Pecopteris spp. 1988 Mei et Liang, p.91.
Pecopteris (Asterotheca) arborescens (Schlotheim) Sternberg 1987 Mei et al.,p.123.
Pecopteris (Asterotheca) hemitelioides Brongniart 1987 Mei et al.,p.123; 1996 He et al.,p.41.pl.20,5-6.
Pecopteris (Asterotheca) orientalis (Schenk) Potonie 1996 He et al.,p.44.pl.25,5;26,1-2.
Pecopteris anderssonii Halle 1927 1987 Mei et al.,p.123; 1996 He et al.,p.44.pl.27,1-7.
Pecopteris arborescens (Schlotheim) Sternberg 1996 He et al.,p.41.pl.20,1-4.
Pecopteris arcuata Halle 1927 1987 Mei et al.,p.123; 1996 He et al.,p.43.pl.50,2-5.
Pecopteris cf. *chihliensis* Stockman et Mathieu 1987 Mei et al.,p.123.
Pecopteris heteropinna (Yabe et Shimakura 1940) Gu et Zhi 1974 1987 Mei et al.,p.123; 1996 He et al.,p.45. pl.30,4.
Pecopteris lativenosa Halle 1927 1996 He et al.,p.44.pl.26,7;27,3-4;33,3;56,3.
Pecopteris liuiana Lee 1987 Mei et al.,p.123(cf.).
Pecopteris marginata Gu et Zhi 1974 1987 Mei et al.,p.123.
Pecopteris norinii Halle 1927 1974 Gu et Zhi, pl.59,2; 1996 He et al.,p.42.pl.25,3-4.
Pecopteris pienxangensis Mei et al. 1987 1987 Mei et al.,p.123.
Pecopteris renhuaensis Yang et Chen 1987 Mei et al.,p.123; 1996 He et al.,p.46.pl.31,1-4;32,1-3.
Pecopteris sahnii Hsü 1982 Li et al., p.359.pl.147,2; 1987 Mei et al.,p.123; 1996 He et al.,p.42.pl.21,1-4;22,1-2.
Pecopteris spp. 1987 Mei et al.,p.123; 1988 Mei et Liang, p.93.
Pecopteris taiyuanensis Halle 1927 1987 Mei et al.,p.123.
Pecopteris tenuicostata Halle 1927 1996 He et al.,p.45.pl.36,2.
Pecopteris tobaensis Lee et al. 1996 He et al.,p.45.pl.30,2-3.
Pecopteris unifurcata Yang et Chen 1987 Mei et al.,p.123.
Pecopteris unita Brongniart 1987 Mei et al.,p.123; 1996 He et al.,p.43.30,1.
Pecopteris wongii Halle 1927 1996 He et al.,p.43.pl.25,2.
Pectinangium Gu et Zhi 1974
Pectinangium lanceolatum Gu et Zhi 1987 Mei et al.,p.125; 1987 Mei et al.,p.125;
Peltaspermum Harris 1937

Peltaspermum cf. *buevichae* Gomankov et Meyen 1996 He et al.,p.74.pl.81,1-5.
Phylladendroid He 1996
Phylladendroid jiangxiensis He 1996 1996 He et al.,p.92.pl.74,3-4.
Phylladoderma Zalesky 1914
Phylladoderma (Aequistomia) sp. 1996 He et al.,p.75.pl.85,1-4;88;89,4-6.
Phylladoderma arberi Zalesky 1996 He et al.,p.75.pl.71;72;73;74,1-2;84;85,5-8;86;87;89,1-3;93;94.
Phylladoderma spp. 1987 Mei et al.,p.125; 1988 Mei et Liang, p.92.
Plagiozamites Zeiller 1894
Plagiozamites cf. *linearis* Yabe et Ôishi 1987 Mei et al.,p.122.
Plagiozamites oblongifolius Halle 1927 1987 Mei et al.,p.122; 1988 Mei et Liang, p.92.
Prionophyllopteris Mo 1980
Prionophyllopteris spiniformis Mo 1996 He et al.,p.79.pl.61,1-6.
Protoblechnum Lesquereux 1897
Protoblechnum contractum (Gu et Zhi) Sun et Shen 1996 He et al.,p.59.pl.45,4a.
Protoblechnum punctinervis (Mo) Comb. He et al. 1996 1996 He et al.,p.59.pl.45,5.
Protoblechnum taeniopterides He et al. 1996 1996 He et al.,p.59.pl.60,1-2.
Pseudoullmannia He 1996
Pseudoullmannia bronnioides He 1996. 1996 He et al.,p.88.pl.69,6.
Pseudoullmannia frumentarioides He 1996 1996 He et al.,p.87.pl.69,1-5;70,2;96.
Psygmyphyllum multipartitum Halle 1987 Mei et al.,p.125; 1989 Mei et al., p.167; 1996 He et al.,p.84.pl.66,2.
Psygmyphyllum Schimper 1870
Psygmyphyllum sp. 1987 Mei et al.,p.125.
Pterophyllum Brongniart 1924
Pterophyllum daihoense Kawasaki 1931 1982 Li et al., p.371.pl.155,9.
Pterophyllum eratum Gu et Zhi 1974 1996 He et al.,p.80.pl.98,2.
Pterophyllum pruvostii Stockmans et Mathieu 1987 Mei et al.,p.125.
Pterophyllum sp. 1988 Mei et Liang, p.93.
Radicites Potonié 1893
Radicites sp. 1987 Mei et al.,p.125.
Rhabdocarpus Berger. 1948
Rhabdocarpus sekitaekoi Shimakura 1996 He et al.,p.88.pl.81,6.
Rhipidopsis Schmalhausen 1879
Rhipidopsis cf. *panii* Chow 1987 Mei et al.,p.125; 1996 He et al.,p.82.pl.70,1.
Rhipidopsis panii Chow 1982 Li et al., p.371.pl.156,1; 1987 Mei et al.,p.125; 1996 He et al.,p.82.pl.65,4-6;66,1;67.
Rhipidopsis sp. 1987 Mei et al.,p.125; 1988 Mei et Liang, p.92; 1989 Mei et al., p.167.
Rhizomopsis Gothen et Sze 1933
Rhizomopsis gemmifera Gothen et Sze 1933 1987 Mei et al.,p.125; 1996 He et al.,p.91.pl.47,3-4;51,2-3; 53,4; 63,1-4.
Samaropsis Goeppert 1864
Samaropsis taiyuanensis Halle 1927 1987 Mei et al.,p.125; 1996 He et al.,p.88.pl.76,2;77,3-4.
Schizoneura Schimper et Mougeot 1844

Schizoneura manchuriensis Kon'no 1996 He et al.,p.36.pl.14,1-3;15,3b,4 ; 1982 Li et al.,p.351.pl.155,11.

Sphenobaiera Florin 1936

Sphenobaiera sp. 1987 Mei et al.,p.125; 1996 He et al.,p.81.pl.66,3.

Sphenophyllum Brongniart 1828

Sphenophyllum sino-coreanum Yabe 1920 1987 Mei et al.,p.122; 1988 Mei et Liang, p.91.

Sphenophyllum sp. 1987 Mei et al.,p.122; 1996 He et al.,p.24.pl.7,6.

Sphenophyllum speciosum (Royle 1833) McClelland 1850 1987 Mei et al.,p.122; 1988 Mei et Liang, p.92.

Sphenophyllum thonii Mahr 1868 1987 Mei et al.,p.122; 1988 Mei et Liang, p.93(cf.).

Sphenopteris (Brongniart) Sternberg 1825

Sphenopteris cf. *nystroemii* Halle 1987 Mei et al.,p.123.

Sphenopteris tenuis Schenk 1883 1987 Mei et al.,p.123; 1996 He et al.,p.40.pl.19,1-4,6-7.

Stigmaria Brongniart 1822

Stigmaria ficoides (Sternberg 1820) Brongniart 1822 1987 Mei et al.,p.122; 1996 He et al.,p.22.pl.3,5-6.

Stigmaria rugulosa Gothan 1923 (NO)

Szea (*Cladophlebis*) cf. *sinensis* Yao et Taylor 1996 He et al.,p.53.pl.38,1,3;39;40;41,5-6;83,5-6.

Taeniopteris Brongniart 1828

Taeniopteris spp. 1988 Mei et Liang, p.91.

Taeniopteris cf. *angustifolia* Stockmans et Mathieu 1957 1987 Mei et al.,p.124.

Taeniopteris cf. *mucronata* Kawasaki 1931-1934 1987 Mei et al.,p.124.

Taeniopteris cf. *schenkii* Sterz(NO)

Taeniopteris cf. *szei* Chow 1987 Mei et al.,p.124.

Taeniopteris densissima Halle 1927 1987 Mei et al.,p.124; 1996 He et al.,p.72.pl.60,7.

Taeniopteris hunanensis Gu et Zhi 1987 Mei et al.,p.124.

Taeniopteris rarinervis Zhao 1996 He et al.,p.72.pl.60,3-6.

Taeniopteris sp.1 1996 He et al.,p.72.pl.61,7;95,1-2.

Taeniopteris sp.2 1996 He et al.,p.73.pl.61,8.

Taeniopteris tingii Halle 1927 1982 Li et al., p.370.pl.154,5.

Tingia Halle 1925

Tingia carbonica (Schenk 1883) Halle 1925 1987 Mei et al.,p.123; 1989 Mei et al., p.167.

Tingia hamaguchii Kon'no 1929 1982 Li et al.,p.352.pls.145,5;155,10.

Tingia jiangxiensis sp.nov. 1996 He et al.,p.37.pl.11,1-2;12,1-2;13,1-2;17,1.

Tingia sp. 1987 Mei et al.,p.123.

Tingiostachya Kon'no 1929

Tingiostachya mingshanensis He et al. 1996 1996 He et al.,p.38.pl.12,3;13,3-4.

Tingiostachya sp. 1987 Mei et al.,p.123.

Trizygia Royle 1839

Trizygia bajingensis sp.nov. 1996 He et al.,p.26.pl.6,1-5.

Trizygia obancistra sp.nov. 1996 He et al.,p.26.pl.6,6-9.

Trizygia sino-coreana (Yabe) Asama 1996 He et al.,p.25.pl.4,2-7;7,5.

Trizygia speciosa Royle 1996 He et al.,p.24.pl.4,8a;5,5b;6,10-11.

Ullmannia Göppert 1850

Ullmannia frumentaria (Schlotheim 1820) Goeppert 1850 1987 Mei et al.,p.125; 1988 Mei et Liang, p.92; 1989 Mei et al., p.167.

Walchia Sternberg 1825

Walchia bipinnata Gu et Zhi 1974 1987 Mei et al.,p.125.

Wumengopteris Tian 1980

Wumengopteris crassirachis Tian et Zhang 1987 Mei et al.,p.124.

Yuania Sze 1953

Yuania chinensis Du et Zhu 1987 Mei et al.,p.125; 1996 He et al.,p.39.pl.17,3.

Yuania gigantea Zhu et al. 1996 He et al.,p.40.pl.16,4;17,2.

Zamiopteris Schmalhausen 1879

Zamiopteris sp.

Zamiopteris glossopteroides Schmalhausen 1879 1987 Mei et al.,p.125.

Zhejiang (1974 Gu et Zhi, Changxing; 1994 Chen et Zhu, Heping Village, Yaolin Town, Tonglu Couty, Wulinshan Formation)

Lepidodendron Sternberg 1820

Lepidodendron polygonale Gu et Zhi 1974 1974 Gu et Zhi, p.29.pl.14,3-7.

Paracalamites Zalesky 1932

Paracalamites stenocostatus Gu et Zhi 1974 1974 Gu et Zhi, pl.29,1-4.

Tonglucarpus Chen et Zhu 1994

Tonglucarpus spectabilis Chen et Zhu 1994 1994 Chen et Zhu, figs. 1-4.

Hongkong (1996 Lee, Northeastern Tolo, Longtan Formation; 1998 Liu et Li, Yazhou, Longtan Formation;)

Asterotheca Presl 1845

Asterotheca (*Pecopteris*) sp. 1998 Liu et Li, p.220.pl.2,2,2a,4,4a.

Asterotheca (*Pecopteris*) *crassinervis* Yang et Chen 1998 Liu et Li, p.220.pl.2,5,5a.

Asterotheca (*Pecopteris*) *cyathea* (Schlotheim) Brongniart 1998 Liu et Li, p.219.pl.1,4-6.

Carpolithus Wallerius 1747

Carpolithus sp. 1998 Liu et Li, p.222.pl.2,3.

Compsopteris Zalesky 1934

Compsopteris contracta Gu et Zhi 1974 1998 Liu et Li, p.220.pl.3,4-6.

Cordaites Unger 1850

Cordaites schenkii Halle 1998 Liu et Li, p.222.pl.3,2.

Gigantopteris (Schenk) emend. Gu et Zhi 1974

Gigantopteris sp. 1996 Lee, pl.I,15.

Ginkgophytopsis Hoeg 1967

Ginkgophytopsis cf. *fukienensis* Zhu 1998 Liu et Li, p.221.pl.3,7.

Pecopteris (Brongniart 1822) Sternberg 1825

Pecopteris sp.1 1998 Liu et Li, p.218.pl.2,1,1a.

Pecopteris sp.1 1998 Liu et Li, p.219.pl.1,3.

Pecopteris cf. *marginata* Gu et Zhi 1998 Liu et Li, p.218.pl.1,2.

Pecopteris cf. (*Asterotheca*) *norinii* Halle 1996 Lee, pl.I,1-3.

Schizoneura Schimper et Mougeot 1844

Schizoneura sp. 1998 Liu et Li, p.218.pl.1,1.

Changhsingian (23 Sections Studied)

Xizang (1982 Li et al., South Shore of Rejuechaka Lake, Rejuechaka Formation;)

Alethopteris Sternberg 1825

Alethopteris sinensis Li et Yao 1982 1982 Li et al,p.8.pl.IV,10,11,11a.

Annularia Sternberg 1821

Annularia pingloensis (Sze) Gu et Zhi 1982 Li et al,p.3.pl.II,2-4;pl.VI,5-a.

Cladophlebis Brongniart 1849

Cladophlebis cf. *Permica* Lee et Wang 1982 Li et al,p.6.pl.II,8,9,9a

Compsopteris Zalesky 1934

Compsopteris contracta var. *Punctinervis* Li et Yao 1982 1982 Li et al,p.9.pl.II,6-c; pl.IV, 5-b,7-11.

Gigantonoclea Koidzumi 1936

Gigantonoclea sp. 1982 Li et al,p.8.pl.V,10,11.

Gigantonoclea guizhouensis Gu et Zhi 1982 Li et al,p.6.pl.VI,1,2.

Gigantonoclea meridionalis Li et Yao 1982 1982 Li et al,p.7.pl.II,6-B;pl.V,1-8,9-a,12-a;pl.VI,6.

Lobatannularia Kawasaki 1927

Lobatannularia sp. 1982 Li et al,p.4.pl.VI,3.

Neuropteridium (Schirper 1869) Weiss 1869

aff. *Neuropteridium?* *nervosum* Halle 1982 Li et al,p.9.pl.IV,9,9a.

Pecopteris (Brongniart 1822) Sternberg 1825

Pecopteris shuanghuensis Li et Yao 1982 1982 Li et al,p.6.pl.II,11-b;pl.III,7-b;pl.IV,1-8;pl.V,9-b.

Pterophyllum Brongniart 1825

Pterophyllum sp. 1982 Li et al,p.9.pl.IV,13.

Ptychocarpus Weiss 1869

Ptychocarpus (*Pecopteris*) *tibeticus* Li et Yao 1982 1982 Li et al,p.4.pl.II,5-7.

Rajahia Kon'no 1970

Rajahia (*Pecopteris*) *calceiformis* Li et Yao 1982 1982 Li et al,p.5.pl.II,10-12;pl.III,1-6,7-a

Rhizomopsis Gothan et Sze 1933

Rhizomopsis gemmifera Gothan et Sze 1933 1982 Li et al,p.8.pl.VI,12.

Selaginellites Zeiller 1906

Selaginellites tibeticus Li et Zhu 1982 1982 Li et al,p.2.pl.I,4.

Sphenophyllum Brongniart 1828

Sphenophyllum aff. *Speciosum* (Rôyle) McClelland 1982 Li et al,p.3.pl.II,1.

Sichuan (1978 Chen, E'men Hill, Omeishan basalt ; 1984 Zhu et al., Jinjibang, Junlian County, Junlian Formation ; 1983 Wang, Longmen Cavity, E'mei Hill, Shawan Formation)

Alethopteris Sternberg 1825

Alethopteris cf. *norinii* Halle 1984 Zhu et al.,p.140.pl.2,1,1a.

Carpolithus Walleraes 1747

Carpolithus sp. 1983 Wang, pl.I,12,13.

Caulopteris Lindley et Hutton 1832

Caulopteris sichuanensis Zhu et al. 1984 1984 Zhu et al.,p.141.pl.2,6.
Codonospermum Brongniart 1874
Codonospermum jinipangense Zhu et al. 1984 1984 Zhu et al.,p.144.pl.3,8.
Gigantonoclea (Koidzumi) Gu et Zhi 1974
Gigantonoclea hallei (Asama) Gu et Zhi 1983 Wang, pl.III,8-10.
Gigantonoclea longmendongensis Wang 1983 1983 Wang, pl.III,5-7.
Gigantopteris (Schenk) emend. Gu et Zhi 1974
Gigantopteris sp. 1983 Wang, pls.I,14-15 ;II,5-6.
Lepidodendron Sternberg 1820
Lepidodendron emeishamensis Wang 1983 1983 Wang, pl.I,1-4.
Lepidodendron oculus-felis (Abb.) Zeiller 1983 Wang, pls.II,1-3 ;III,13.
Lepidodendron sp. 1983 Wang, pl.II,4.
Lepidostrobophyllum Hirmer 1927
Lepidostrobophyllum caudatum (Stockm. et Math.) Gu et Zhi 1983 Wang, pl.I,7-10.
Lepidostrobophyllum junlianense Zhu et al. 1984 1984 Zhu et al.,p.137.pl.1,3.
Lobatannularia Kawasaki 1927
Lobatannularia heianensis (Kodaira 1924) Kawasaki 1927 1984 Zhu et al.,p.138,139. pls.1,6 ;
 1,7(cf.).
Lobatannularia sichuanensis Wang 1983 1983 Wang, pl.III,1-2.
Lobatannularia sp. 1983 Wang, pl.III,3-4.
Neuropteridium (Schimper 1869) Weiss 1869
Neuropteridium guizhouensis Zhang 1983 Wang, pls.II,9,10 ;III,11,12.
Neuropteris Sternberg 1825
Neuropteris permica Zhu et al. 1984 1984 Zhu et al.,p.140.pl.1,13.
Pecopteris (Brongniart 1822) Sternberg 1825
Pecopteris unita Brongniart 1983 Wang, pl.II,7-8.
Psaronius Cotta 1832
Psaronius hexagonus Gu et Zhi 1974 1978 Chen et al., p1.154, 5.
Pterophyllum Brongniart 1824
Pterophyllum sp. 1983 Wang, pl.I,6.
Saportaea Fonaine et White 1880
Saportaea sp. 1984 Zhu et al.,p.143.pl.3,3.
Stigmaria Brongniart 1822
Stigmaria ficoides (Sternberg) Brongniart 1983 Wang, pl.I,5.
Stigmaria rugulosa Goth. 1983 Wang, pl.I,11.
Taeniopteris Brongniart 1828
Taeniopteris sichuanensis Zhu et al. 1984 1984 Zhu et al.,p.141.pl.2,5.
Ullmannia Göppert 1850
Ullmannia cf. *bronnii* Göppert 1984 Zhu et al.,p.143.pl.3,4-6.
Zamiopteris Schmalhausen 1879
Zamiopteris glossopteroides Schmalhausen 1879 1984 Zhu et al.,p.142.pls.2,8 ;3,9.

Guizhou (1974 Wu et Deng, Panxian ; 1980 Tian et Zhang, 1987 Tian et Guo and 2006 He et al.,
 Wangjiazhai Coal Field, Shuicheng County, Wangjiazhai Formation; 1983 Li, 1986a Li, 1986b Li,

1991 Li, 1992 Li and 1993 Li, the 1st Coal Series of Wangjiazhai Coal Field, Wangjiazhai Formation; 1980 Zhao et al., Anshun, Zhijin, Nayong, Liuzhi, Qinglong, Shuicheng, Panxian ; 2000 Yao et al., Jiaozi Hill, Anshun City, Dalong Formation)

Lepidodendron Sternberg 1820

Lepidodendron sp.1 1980 Tian et Zhang, p.20.pl.III,4,4a.

Lepidodendron sp.2 1980 Tian et Zhang, p.21.pl.II,3;III,1.

Lepidodendron acutangulum (Halle 1927) Stockmans et Mathieu 1957 1980 Zhao et al., pl.2, 1, 2; pl.5,7 ; 1980 Tian et Zhang, p.20.pl.II,2,4-7;III,2,2a.

Lepidodendron lepidophloides Yao 1980 1980 Zhao et al.,p.74.pl.III,1,1a,2,6.

Lepidodendron oculus-felis (Abbado 1900) Zeiller 1901 1980 Zhao et al.,p.71 ; 1980 Tian et Zhang, p.20.pl.II,1.

Lophotheca Zhao 1980

Lophotheca panxianensis Zhao 1980 1980 Zhao et al.,p.89.pl.XXIII,5-8,5a.

Scolecopteris (Zenker) Millay 1979

Scolecopteris guizhouensis He XY, Wang S, Hilton J & Zhou YL 2006 2006 He et al., figs.1-11.

Shuichengella Li 1993

Shuichengella primitive (Li) Li 1993 1993 Li, pl.I-IV.

Stigmaria Brongniart 1822

Stigmaria sp. 1980 Tian et Zhang, p.38.pls.XXIV,2-4,4a;XXV,4.

Stigmaria ficoides (Sternberg 1820) Brongniart 1822 1980 Zhao et al.,p.71 ; 1980 Tian et Zhang, p.21.pl.III,3.

Stigmaria rugulosa Gothan 1923 1980 Tian et Zhang, p.21.pl.IV,1,2.

Sphenophyllum Brongniart 1828

Sphenophyllum koboense Kobatake 1957 1980 Zhao et al.,p.71; 1980 Tian et Zhang, p.21.pl.IV,3-5,7,7a;XXIII, 1.

Sphenophyllum sp. 1980 Zhao et al.,p.71.

Sphenophyllum sino-coreanum Yabe 1920 1980 Zhao et al.,p.71.

Succodium Konishi 1955

Succodium sp. 1980 Tian et Zhang, p.20.pl.I,8.

Achlamydocarpon Schumacker-Lambry 1966

Achlamydocarpon sinensis Tian et Guo 1987 1987 Tian et Guo, pl.I,II.

Amyelon Williamson 1874

Amyelon sp. 1980 Tian et Zhang, p.39.pls.XXVI,1;XXVII,2-4;XXV,1-3,5.

Amyelon radicans Li 1986 1986a Li, pls.I-II.

Amyelon xui Li 1986 1986b Li, pls.I-III.

Calamites Brongniart 1828

Calamites sp. 1980 Zhao et al., p.71.

Cathaysiodendron Lee 1963

Cathaysiodendron acutangulum (Halle) 1995 Li, pl.46,1.

Chansitheca Regé 1920

Chansitheca sp. 1980 Tian et Zhang, p.23.pl.VII,5,5a.

Diplotesta Brongniart

Diplotesta sp. 1992 Li, pl.II.

Danaeites Goepfert 1836

Danaeites sp.1 1980 Tian et Zhang, p.25.pl.X,2,5,7.
Danaeites sp.2 1980 Tian et Zhang, p.25.pl.IX,5.
Danaeites mirabilis Gu et Zhi 1974 1980 Tian et Zhang, p.24.pl.XI,1-3,2a,5.
Danaeites rigida (Yabe et Ôishi 1938) Gu et Zhi 1974 1974 Wu et Deng, p.318.pl.168,3-5.
Paracalamites Zalessky 1932
Paracalamites stenocostatus Gu et Zhi 1974 1980 Zhao et al., pl.3, 4, 4A; pl.4, 1, 2
Annularia Sternberg 1821
Annularia pingloensis (Sze 1940) Gu et Zhi 1974 1980 Zhao et al., plA, 10; pl.6, 3, 4.
Annularia shirakii Kawasaki 1927 1980 Zhao et al., pl.2. 10 12
Lobatannularia Kawasaki 1927
Lobatannularia cathaysiana Yao 1980 1980 Zhao et al.,p.76.pl.III,3 ;V,1-6.
Lobatannularia multifolia Konno et Asama 1950 1980 Zhao et al., pl.6.7 9.
Palaeosmunda Gould 1970
Palaeosmunda plenasioides Li 1983 1983 Li, pls.XIII-XIV.
Palaeosmunda primitiva Li 1983 1983 Li, pls.IX-XIII.
Plagiozamites Zeiller 1894
Plagiozamites oblongifolius Halle 1927 1980 Zhao et al., pl.17, 5; pl.20, 3(P)
Schizoneura Schimper et Mougeot 1844
Schizoneura brevifolia Yao 1980 Zhao et al., p.77.pl.IV,8,9,9a.
Sphenopteris (Brongniart 1822) Sternberg 1825
Sphenopteris tenuis Schenk 1883 1980 Zhao et al., p.71.
Pecopteris (Brongniart 1822) Sternberg 1825
Pecopteris qingyunensis Zhang 1980 1980 Zhao et al.,p.78.pl.IX,3 ;X,1.
Pecopteris echinata Gu et Zhi 1974 1980 Zhao et al., pl.8, 1, 1A
Pecopteris guizhouensis Chang MS ex Zhang 1978 1980 Zhao et al., pl.8, 2-3
Pecopteris lingulata Zhang sp.nov. 1980 Zhao et al.,p.79.pl.VIII,4-6,5a.
Pecopteris marginata Gu et Zhi 1974 1980 Zhao et al., pl.7, 2.
Pecopteris sahnii Hsü 1974 Wu et Deng, p.317.pl.168,1,2.
Permocalculus Elliott 1955
Permocalculus (Pyrolites) sp.1 1980 Tian et Zhang, p.20.pl.I,5,7.
Permocalculus (Pyrolites) cf. *sinicus* Mu (MS) 1980 Tian et Zhang, p.19.pl.I,1-4.
Permocalculus (Pyrolites) aff. *sinicus* Mu (MS) 1980 Tian et Zhang, p. 19.pl.I,9,9a.
Rajahia Kon'no 1970
Rajahia guizhouensis Zhang sp.nov. 1980 Zhao et al., p.80.pl.XI, 2-4,2a.
Rajahia mirabilis (Gu et Zhi) Zhang comb.nov. 1980 Zhao et al., p.72.
Rajahia rigida (Yabe et Ôishi) Zhang comb.nov. 1980 Zhao et al., p.72.
Fascipteris Gu et Zhi 1974
Fascipteris densata Gu et Zhi 1974 1980 Zhao et al., pl.12, 7, 8
Fascipteris stena Gu et Zhi 1974 1980 Tian et Zhang, fig.19; pl.10, 3, 3A, 6, 8,
Fascipteris hallei (Kawasaki 1931) Gu et Zhi 1974 1980 Zhao et al., p.72.
Cladophlebis Brongniart 1849
Cladophlebis permianensis Lee et Wang 1956 1980 Zhao et al., p.72.
Neuropteridium (Schirmp 1869) Weiss 1869
Neuropteridium coreanicum Koiwai 1927 1980 Zhao et al., p.72.

Compsopteris Zalessky 1934
Compsopteris contracta Gu et Zhi 1974 1980 Zhao et al., p.72.
Gigantonoclea Koidzumi 1936
Gigantonoclea dictyophylloides Wu et Deng 1974 1974 Wu et Deng, p.318.pl.168,6-7.
Gigantonoclea guizhouensis Gu et Zhi 1974 1980 Zhao et al., pl.16, 5 6
Gigantonoclea hallei (Asama 1959) Gu et Zhi 1974 1980 Zhao et al., pl.15, 5; pl.20, 4
Gigantopteris Schenk 1883
Gigantopteris dictyophylloides Gu et Zhi 1974 1980 Zhao et al., p.73 ; 1980 Tian et Zhang, p.28.pl.XVI,1,1a,2,2a.
Gigantopteris cordata Yabe et Ôishi emend. 1980 Tian et Zhang, p.27.pl.XV,2.
Gigantopteris meganetes Tian et Zhang 1980 1980 Tian et Zhang, p.28.pls.XVII,1,3;XVIII,2,2a.
Gymnocodium Pia 1927
Gymnocodium sp. 1980 Tian et Zhang, p.20.pl.I,6,6a.
Psaronius Cotta 1834
Psaronius sp. 1980 Tian et Zhang, p.38.pl.XXIV,1,1a,1b.
Rhipidopsis Schmalhausen 1879
Rhipidopsis panii Chow 1980 Zhao et al., pl.21, 3, 4
Rhipidopsis lobulata Mo 1980 1980 Zhao et al., p.86.pl.XIX,11,12.
Rhipidopsis multifurcata Tian et Zhang 1980 1980 Tian et Zhang, p.31.pl.XXIII,2,2a.
Rhizomopsis Gothan et Sze 1933
Rhizomopsis gemmifera Gothan et Sze 1933 1980 Tian et Zhang, p.34.pl.XXII,7,8,12.
Rhabdocarpus Göppert et Berger 1848
Rhabdocarpus livaeformis Mo 1980 1980 Zhao et al., p.86.pl.XVII,1.
Ullmannia Göppert 1850
Ullmannia cf. *bronnii* Goeppert 1980 Zhao et al.,p.73.
Wumengopteris Tian et Zhang 1980
Wumengopteris crassirachis Tian et Zhang 1980 1980 Tian et Zhang, p.25.pls.XII,1,5;XIII,4,4a.
Cardiocarpus Brongniart 1828
Cardiocarpus sp. 1980 Tian et Zhang, p.32.pl.XXII,5.
Cardiocarpus sp.1 1980 Tian et Zhang, p.32.pl.XIX,5,6.
Carpellata
Carpellata strobili of gymnosperm 1980 Tian et Zhang, p.34.pl.XXII,9.
Carpolithus Brongniart 1822
Carpolithus glansiformis Mo 1980 1980 Zhao et al., p.88.PL.XVII,3,4,3a.
Cryptonoclea Z. M. Li 1992
Cryptonoclea primitiva Z. M. Li 1992 1992 Li, figs. 1-55.
Heterangium Corda 1845
Heterangium sp. 1980 Tian et Zhang, p.38.pl.XXV,6.
Otofolium Gu et Zhi 1974
Otofolium ovatum Gu et Zhi 1974 1980 Zhao et al., pl.22, 3, 3A
Sarcospermum Deevers 1937
Sarcospermum petiolulatum Z. M. Li 1991 1991 Li, figs. 24-38; 44-46.
Sigillaria Brongniart 1822
Sigillaria sp. 1980 Tian et Zhang, p.39.pls.XXVI,2,2a,2b;XXVII,1,1a.

Sigillaria gueizhouensis Tian 1980 1980 Tian, pl.I,1.
Stephanospermum Brongniart
Stephanospermum cf. *akenioides* Brongniart 1991 Li, figs. 1-19; 39-43.
Strigillotheca Gu et Zhi 1974
Strigillotheca fasciculata Gu et Zhi 1974 1980 Zhao et al., pl.22, 4
Squamocarpus Mo 1980
Squamocarpus papilioformis Mo 1980 1980 Zhao et al., p.87.pl.XIX,13,14.
Szecladia Yao et Liu 2000
Szecladia multinervia Yao et Liu 2000 2000 Yao et al., fig. 3-5.

Yunnan (1974 Wu et Deng, Fuyuan, Xuanwei, Yanjin; 1980 Zhao et al., Fuyuan, Upper Xuanwei Formation)

Lepidodendron Sternberg 1820
Lepidodendron acutangulum (Halle 1927) Stockmans et Mathieu 1957 1980 Zhao et al., pl.2, 1, 2; pl.5,7
Lepidodendron lepidophloides Yao 1980 Zhao et al.,p.74.pl.III,1,1a,2,6.
Lepidodendron oculus-felis (Abbado 1900) Zeiller 1901 1980 Zhao et al.,p.71.
Stigmara Brongniart 1822
Stigmara ficoides (Sternberg 1820) Brongniart 1822 1980 Zhao et al.,p.71.
Sphenophyllum Brongniart 1828
Sphenophyllum koboense Kobatake 1957 1980 Zhao et al.,p.71.
Sphenophyllum sino-coreanum Yabe 1920 1980 Zhao et al.,p.71.
Sphenophyllum sp. 1980 Zhao et al.,p.71.
Calamites Brongniart 1828
Calamites sp. 1980 Zhao et al., p.71.
Paracalamites Zalessky 1932
Paracalamites stenocostatus Gu et Zhi 1974 1980 Zhao et al., pl.3, 4, 4A; pl.4, 1, 2
Annularia Sternberg 1821
Annularia pingloensis (Sze 1940) Gu et Zhi 1974 1980 Zhao et al., plA, 10; pl.6, 3, 4
Annularia shirakii Kawasaki 1927 1980 Zhao et al., pl.2. 10 12
Lobatannularia Kawasaki 1927
Lobatannularia cathaysiana Yao 1980 1980 Zhao et al.,p.76.pl.III,3 ;V,1-6.
Lobatannularia multifolia Konno et Asama 1950 1980 Zhao et al., pl.6.7 9
Plagiozamites Zeiller 1894
Plagiozamites oblongifolius Halle 1927 1980 Zhao et al., pl.17, 5; pl.20, 3(P)
Sphenopteris (Brongniart 1822) Sternberg 1825
Sphenopteris tenuis Schenk 1883 1980 Zhao et al., p.71.
Pecopteris (Brongniart 1822) Sternberg 1825
Pecopteris echinata Gu et Zhi 1974 1980 Zhao et al., pl.8, 1, 1A
Pecopteris guizhouensis Chang MS ex Zhang 1978 1980 Zhao et al., pl.8, 2-3; pl.10, 2-5
Pecopteris lingulata Zhang sp.nov. 1980 Zhao et al.,p.79.pl.VIII,4-6,5a.
Pecopteris fuyuanensis Zhang 1980 1980 Zhao et al.,p.78.pl.IX,3 ;X,1.
Pecopteris marginata Gu et Zhi 1974 1980 Zhao et al., pl.7, 2.
Pecopteris sahnii Hsü 1974 Wu et Deng, p.317.pl.168,1,2.

Rajahia Kon'no 1970
Rajahia guizhouensis Zhang 1980 Zhao et al., p.80.pl.XI, 2-4,2a.
Rajahia mirabilis (Gu et Zhi) Zhang 1980 1980 Zhao et al., p.72.
Rajahia rigida (Yabe et Ôishi) Zhang 1980 1980 Zhao et al., p.72.
Fascipteris Gu et Zhi 1974
Fascipteris densata Gu et Zhi 1974 1980 Zhao et al., pl.12, 7, 8
Fascipteris hallei (Kawasaki 1931) Gu et Zhi 1974 1980 Zhao et al., p.72.
Cladophlebis Brongniart 1849
Cladophlebis fuyuanensis Zhang 1980 1980 Zhao et al., p.81.pl.XIII,3,4,3a,3b,4b.
Cladophlebis Brongniart 1849
Cladophlebis permianensis Lee et Wang 1956 1980 Zhao et al., p.72.
Neuropteridium (Schirner 1869) Weiss 1869
Neuropteridium coreanicum Koiwai 1927 1980 Zhao et al., p.72.
Compsopteris Zalessky 1934
Compsopteris contracta Gu et Zhi 1974 1980 Zhao et al., p.72.
Gigantonoclea Koidzumi 1936
Gigantonoclea dictyophylloides Wu et Deng 1974 1974 Wu et Deng, p.318.pl.168,6-7.
Gigantonoclea guizhouensis Gu et Zhi 1974 1980 Zhao et al., pl.16, 5 6
Gigantonoclea hallei (Asama 1959) Gu et Zhi 1974 1980 Zhao et al., pl.15, 5; pl.20, 4
Gigantopteris Schenk 1883
Gigantopteris dictyophylloides Gu et Zhi 1974 1980 Zhao et al., p.73.
Rhipidopsis Schmalhausen 1879
Rhipidopsis panii Chow 1980 Zhao et al., pl.21, 3, 4
Rhabdocarpus Göppert et Berger 1848
Rhabdocarpus livaeformis Mo 1980 1980 Zhao et al., p.86.pl.XVII,1.
Squamocarpus Mo 1980
Squamocarpus papilioformis Mo 1980 1980 Zhao et al., p.87.pl.XIX,13,14.
Carpolithus Brongniart 1822
Carpolithus glansiformis Mo 1980 1980 Zhao et al., p.88.PL.XVII,3,4,3a.
Otofolium Gu et Zhi 1974
Otofolium ovatum Gu et Zhi 1974 1980 Zhao et al., pl.22, 3, 3A
Strigillotheca Gu et Zhi 1974
Strigillotheca fasciculata Gu et Zhi 1974 1980 Zhao et al., pl.22, 4
Distichotheca Gu et Zhi 1974
Distichotheca crossothecoides Gu et Zhi 1980 Zhao et al., p.73.

Guangxi (1940 Sze, Qianjiang, Dalong, Heshan ; 1977 Feng et al., Pingle, Laibin, Fusui ; 2007 Liu et Yao, Dongluo, Fusui County, Changxing Period; 2000 Yao et al., Yishan, Hoshan)

Annularia Sternberg 1832
Annularia pingloensis (Sze) 1977 Feng et al., pl.238,3-4.
Carpolithus Brongniart 1822
Carpolithus sp. 2007 Liu et Yao, p.207.pl.I,26.
Carpolithus speculates Mo 2007 Liu et Yao, p.206.pl.I,20,25.
Cladophlebis Brongniart 1849

Cladophlebis ozakii Yabe et Ôishi 1938 2007 Liu et Yao, p.202.pl.I,11,12.
Cordaites Unger 1850
Cordaites sp. 2007 Liu et Yao, p.205.fig.8.
Fascipteris Gu et Zhi 1974
Fascipteris stena Gu et Zhi 1974 2007 Liu et Yao, p.201.fig.4.
Fascipteris sp.A (? sp. nov.) 2007 Liu et Yao, p.201.pl.I,5.
Gigantonoclea Koidzumi 1936
Gigantonoclea meridionalis Li et Yao 2007 Liu et Yao, p.202.pl.I,19.
Lobatannularia Kawasaki 1927
Lobatannularia cf. *heianensis* (Kodaira) Kawasaki 2007 Liu et Yao, p.199.pl.I,1.
Lopadiangium Zhao 1980
Lopadiangium sp. 2007 Liu et Yao, p.203.pl.I,2-4.
Neuropteridium (Schirmer 1869) Weiss 1869
Neuropteridium coreanicum Koiwai 1927 1977 Feng et al., pl.243,10.
Pecopteris (Brongniart 1822) Sternberg 1825
Pecopteris cf. *hemitelioides* Brongniart 2007 Liu et Yao, p.200.pl.I,10.
Pecopteris sp.a 2007 Liu et Yao, p.200.pl.I,9.
Pecopteris sp.b 2007 Liu et Yao, p.200.pl.I,18.
Pecopteris sp.c 2007 Liu et Yao, p.200.pl.I,13.
Pseudoullmannia He 1996
Pseudoullmannia frumentarioides He, Liang and Shen 2007 Liu et Yao, p.207.pl.I,16,17.
Rhipidopsis Schmalhausen 1879
Rhipidopsis sp. 2007 Liu et Yao, p.205.pl.I,22.
Schizoneura Schimper et Mougeot 1844
Schizoneura sp. 2007 Liu et Yao, p.199.pl.I,7.
Sphenopteris (Brongniart 1822) Sternberg 1825
Sphenopteris matgitecta Liu et Yao 2007 2007 Liu et Yao, p.202.pl.I,6.fig.5-a-c.
Szecladia Yao et Liu 2000
Szecladia multinervia Yao et Liu 2000 2000 Yao et al., fig. 3-5.
Taeniopteris Brongniart 1828
Taeniopteris dongluoensis Liu et Yao 2007 2007 Liu et Yao, p.203.pl.I,23.
Taeniopteris fusuiensis Liu et Yao 2007 2007 Liu et Yao, p.203.pl.I,15a.fig.6-a,b.
Taeniopteris guangxiensis Liu et Yao 2007 2007 Liu et Yao, p.204.pl.I,14.
Taeniopteris sp.a 2007 Liu et Yao, p.204.pl.I,15b.
Taeniopteris sp.b 2007 Liu et Yao, p.204.pl.I,24.
Ullmannia Goepfert 1850
Ullmannia bronnii Goepfert 1940 Sze, pl.1; 1974 Gu et Zhi, pls.121,6;122,1-4(cf.).

Triassic

Induan (5 Sections Studied)

Yunnan (2008 Yu et al., Mide Section, Xuanwei, Yunnan, the 19th, 20th Layer, Kayitou Formation)
Annalepis Fliche 1910

Annalepis sp. 2008 Yu et al., pl.I,3,14.
Annalepis angusta Meng 1995 2008 Yu et al., pl.I,4,8,12.
Annalepis brevicystis Meng 1995 2008 Yu et al., pl.I,9-11,13.
Annalepis latiloba Meng 2008 Yu et al., pl.I,7.
Annalepis shirakii Kaw. 2008 Yu et al., pl.I,15.
Annalepis zeilleri Fliche 1910 2008 Yu et al., pl.I,1,2,5,6.
Gigantopteris Schenk 1883
Gigantopteris sp. 2008 Yu et al., pl.I,16.
Peltaspermum Harris 1937
Peltaspermum sp. 2008 Yu et al., fig.2.

Guizhou (2008 Yu et al., Tucheng Section, Panxian, Guizhou, The 17th, 18th, 22nd, 23rd Layer, Kayitou Formation)

Annalepis Fliche 1910
Annalepis brevicystis Meng 1995 2008 Yu et al., pl.I,9-11,13.
Annalepis zeilleri Fliche 1910 2008 Yu et al., pl.I,1,2,5,6.
Gigantonoclea (Koidzumi) Gu et Zhi 1974
Gigantonoclea sp. 2008 Yu et al., p.393.
Gigantopteris Schenk 1883
Gigantopteris sp. 2008 Yu et al., p.393.
Lepidodendron Sternberg 1820
Lepidodendron sp. 2008 Yu et al., p.393.
Pecopteris Brongniart 1822
Pecopteris sp. 2008 Yu et al., p.393.
Peltaspermum Harris 1937
Peltaspermum Harris 1937
Peltaspermum sp. 2008 Yu et al., fig.2.
Stigmaria Brongniart 1822
Stigmaria sp. 2008 Yu et al., p.393.

Yunnan—Guizhou Boundary (1978 Yao, Coal Series of Gigantopterids, Section above the Transitional Zone of Permian and Triassic)

Annularia Sternberg 1821
Annularia shirakii 1978 Yao, p.85.
Gigantopteris Schenk 1883 emend. Gu et Zhi 1974
Gigantopteris sp. 1978 Yao, p.85.
Lobatannularia Kawasaki 1927
Lobatannularia sp. 1978 Yao, p.85.
Paracalamites Zalesky 1932
Paracalamites stenocostatus 1978 Yao, p.85.
Pecopteris Brongniart 1822
Pecopteris sp. 1978 Yao, p.85.

Fujian

- Gigantopteris* Schenk 1883 emend. Gu et Zhi 1974
Gigantopteris sp. 1915 Koiwai, pl.XV(I),1.
Gigantopteris dentata Yabe 1915 Koiwai, pl.XV(I),2.
Sphenophyllum Brongniart 1928
Sphenophyllum sino-coreanum Yabe 1925 Yabe, pl.IV,1.

Olenekian (5 Sections Studied)

Hainan (1979 Zhou et Li, Buried Plants, Xinchang, Jiuqu River Commune, Qionghai County, Hainan Island; 1992 Meng, Lower Wenshan Village, Upper Wenshan Village, Haiyang Village and Xinhua in Jiuqu River)

- Aethophyllum* Brongniart 1828
Aethophyllum sp. 1979 Zhou, pl. II,16.
Albertia Schimper 1837
Albertia latifolia Schimper 1979 Zhou, pl. I,12,12a,13,13a ; 1992 Meng, pl.5,4-8.
Albertia elliptica Schimper 1979 Zhou, pl. I,11,11a ; 1992 Meng, pl.5,1-3.
Albertia cf. *speciosa* Schimper 1992 Meng, pl.8,28.
Ammatopsis Zalessky 1937
cf. *Ammatopsis mira* Zalessky 1992 Meng, pl.7,1-3.
Asterotheca Presl 1846
cf. *Asterotheca szeiana* (P'an) Sze 1979 Zhou, pl. I,4a,5.
Brachyphyllum Brongniart 1828
Brachyphyllum sp. 1979 Zhou, pl. II,23.
Carpolithus Brongniart 1822
Carpolithus sp. 1979 Zhou, pl.II,19.
Caulopteris Lindley et Hutton 1832
Caulopteris? sp. 1979 Zhou, pl. I,4b.
Ctenozamites Nathorst 1886
Ctenozamites cycada (Brongniart) Nathorst 1992 Meng, pl.2,8-9.
Equisetites Sternberg 1833
Equisetites sp. 1979 Zhou, pl. I,1 ; 1992 Meng, pl.2,5,5a.
Equisetites qionghaiensis Meng 1992 1992 Meng, pl.2,2-3.
Glyptolepis Schimper 1870
cf. *Glyptolepis longibracteata* Florin 1979 Zhou, pl. II,6 ; 1992 Meng, pl.8,14-16.
Leuthardtia Kräusl & Schaarchmidt 1966
Leuthardtia ovalis Kräusl & Schaarchmidt 1992 Meng, pl.8,10-12.
Masculostrobus Seward 1911
Masculostrobus prolatus Zhou 1979 1979 Zhou, pl. II,24.
Neocalamites Halle 1908
Neocalamites sp. 1979 Zhou, pl. I,2.
Neuropteridium (Schimper 1869) Weiss 1869
Neuropteridium marginatum Zhou 1979 1979 Zhou, pl. I,7-10 ; 1992 Meng, pl.3,1-8.
Noeggerathiopsis Feistmantel 1879

Noeggerathiopsis cf. *obovata* Neuburg 1992 Meng, pl.4,1a,1c,2,2a.
Pagiophyllum Heer 1881
Pagiophyllum sp. 1979 Zhou, pl. II,13 ; 1992 Meng, pl.7,4-6.
Peltaspermum Harris 1937
Peltaspermum sp. 1992 Meng, pl.8,13,13a.
Phyllothea Brongniart 1828
Phyllothea sp. 1979 Zhou, pl. I,3.
Phyllothea bella Meng 1992 1992 Meng, pl.2,6-7.
Phyllothea marginans Meng 1992 1992 Meng, pl.8,6-8.
Pleuromeia Corda 1852
Pleuromeia sp. 1992 Meng, pl.8,20.
Qionghaia Zhou 1979
Qionghaia carnosa Zhou 1979 1979 Zhou, pl. II,21,21a.
Strobilites Lindley et Hutton 1833
Strobilites sp. 1979 Zhou, pl. II,22.
Taeniopteris Brongniart 1828
Taeniopteris costiformis Meng 1992 1992 Meng, pl.2,11,11a.
Taeniopteris hainanensis Zhou 1979 1979 Zhou, pl. I,6.
Taeniopteris mironervis Meng 1992 Meng, pl.4,5-9.
Todites Seward 1900
Todites shensiensis Meng 1992 1992 Meng, pl.3,9;5,9-10.
Vittaephyllum Dobruskina 1975
Vittaephyllum sp. 1992 Meng, pl.3,10-12.
Voltzia Brongniart 1828
Voltzia sp. 1979 Zhou, pl. II,7-9,11,12,10 ?,14 ?.
Voltzia heterophylla Brongniart 1979 Zhou, pl. II,1-5 ; 1992 Meng, pls.6,6-9;8,1-5.
Voltzia cf. *koeneni* Schutze 1992 Meng, pl.6,4-5.
Voltzia weismanni Schimper 1992 Meng, pl.6,1-3.
Weltrichia Braun emend. Harris
Weltrichia sp. 1979 Zhou, pl. I,15,16,16a..
Yuccites Schimper & Mougeot 1844
Yuccites ensiformis Meng 1992 1992 Meng, pl.4,3-4.

Anisian (12 Sections Studied)

Hubei (1984 Chen, Wayao Hillside, Lichuan County, Hubei ; 1987 Meng, Nama Creek, Lichuan County, Hubei; 1995 Meng, Xiangxi, Lianghekou, Qiliping, Meiping, Western Na River, Western Hubei, The 1th and 2nd Layer of Badong Formation; 1998 Meng, Xiangxi, Meiping, Western Hubei, The 1th and 2nd Layer of Badong Formation; 1996 Meng and 2000 Meng et al., Meiping, Qiliping, Xiangxi, Lianghekou and Puqi City, The 1th and 2nd Layer of Badong Formation)

Annalepis (Fliche 1910) emend.

Annalepis brevicystis Meng 1995 Meng, pl.III,8-13 ; 1998 Meng, pl.I,1-11 ; 2000 Meng et al., pls.9,8-21;13,11-18.

Annalepis sangzhiensis Meng 1995 1995 Meng, pl.III,1-7.
Annalepis zeilleri Fliche 1910 1984 Chen, p.564.pl.261,5 ; 1987 Meng, pl.24,1; 1998 Meng, pl.II,1-22 ; 2000 Meng et al., pls.7-8; 9,1-7; 10,7-8;13,1-4;18,3-4; 19,1-11.
Calamites Brongniart 1828
Calamites shanxiensis (Wang) 1995 Meng, pl.IV,1-6.
Neocalamites Halle 1908
Neocalamites shanxiensis Wang 2000 Meng et al., pl.14,1-8.
Pleuromeia Corda ex Giebel 1853
Pleuromeia marginulata Meng 1995 1995 Meng, pl.I,1-9 ; 2000 Meng et al., pls.5;6,1-7,9-17;11,17; 12,7,11; 13,5,7-8.
Pleuromeia sanxiaensis Meng 2000 Meng et al., pls.1-4;6,8;11,11-16,18; 12,1-6,8-10; 13,6,9-10;17,1-6.
Thallites Walton 1925
Thallites acutangulus Meng 2000 2000 Meng et al., pl.14,14.
Tongchuanophyllum Huang et Zhou 1980
Tongchuanophyllum sp. 2000 Meng et al., pl.16,4-5.

Sichuan (1995 Meng, 1998 Meng and 2000 Meng, Dawoshang, Fengjie, Eastern Sichuan, The 1th and 2nd Layer of Badong Formation)

Annalepis (Fliche 1910) emend.
Annalepis brevicystis Meng 1995 Meng, pl.III,8-13 ; 1996 Meng, pl.2,11-14 ; 1998 Meng, pl.I,1-11 ; 2000 Meng et al., pls.9,8-21;13,11-18.
Annalepis sangzhiensis Meng 1995 1995 Meng, pl.III,1-7.
Annalepis zeilleri Fliche 1910 1998 Meng, pl.II,1-22 ; 2000 Meng et al., pls.7-8;9,1-7;10,7-8;13,1-4;18,3-4; 19,1-11.
Calamites Brongniart 1828
Calamites shanxiensis (Wang) 1995 Meng, pl.IV,1-6; 1996 Meng, pl.2,1-2.
Cladophlebis Brongniart 1849
Cladophlebis sp. 1995 Meng, p.8; 1996 Meng, pl.2,15; 2000 Meng et al., pl.15,8-11.
Equisetites Sternberg 1833
Equisetites sp. 2000 Meng et al., pl.14,9-10.
Neocalamites Halle 1908
Neocalamites shanxiensis Wang 2000 Meng et al., pl.14,1-8.
Norinia Halle 1927
Norinia sp. 2000 Meng et al., pl.16,3.
Pleuromeia Corda ex Giebel 1853
Pleuromeia marginulata Meng 1995 Meng, pls.I,1-9; IX,4-6; 1996 Meng, pl.1,1-3; 2000 Meng et al., pls.5; 6,1-7,9-17; 11,17; 12,7,11; 13,5,7-8.
Pleuromeia sanxiaensis Meng 1995 Meng, pls.I,10-13; 1996 Meng, pl.1,4-10; 2000 Meng et al., pls.1-4;6,8; 11,11-16,18; 12,1-6,8-10; 13,6,9-10;17,1-6.
Thallites Walton 1925
Thallites multufurcus Meng 1995 1995 Meng, pl.IV,7; 2000 Meng et al., pl.14,15.

Hunan (1993 Meng and 1995 Meng, Hongjiaguan, Furong Bridge and Mahekou, Northwestern

Hunan, The 1th and 2nd Layer of Badong Formation; 1998 Meng, Sangzhi, Northwestern Hunan, The 1th and 2nd Layer of Badong Formation; 2000 Meng et al., Hongjiaguan, Furong Bridge and Mahekou, Northwestern Hunan, The 1th and 2nd Layer of Badong Formation)

Annalepis Fliche 1910

Annalepis angusta Meng 1995 1995 Meng, pl.II,7-9; 1996 Meng, pl.2,9-10.

Annalepis sangzhiensis Meng 1995 1995 Meng, pls.III,1-7; 1996 Meng, pl.2,3-5.

Annalepis zeilleri Fliche 1910 1998 Meng, pl.II,1-22; 2000 Meng et al., pls.7-8;9,1-7;10,7-8;13,1-4; 8,3-4; 19,1-11.

Calamites Brongniart 1828

Calamites shanxiensis (Wang) 1995 Meng, pl.IV,1-6.

Cardiocarpus Brongniart 1828

Cardiocarpus triquetrus Meng 2000 2000 Meng et al., pl.17,7-9.

Cladophlebis Brongniart 1849

Cladophlebis sp. 1995 Meng, p.8; 2000 Meng et al., pl.15,8-11.

Compsopteris Zalesky 1934

Compsopteris hughesii (Feistmantel) Zalesky 2000 Meng et al., pl.16,8.

Crematopteris Schimper et Mougeot 1844

Crematopteris sp. 1995 Meng, pl.IX,17; 2000 Meng et al., pl.15,12.

Equisetites Sternberg 1833

Equisetites sp. 1995 Meng, pl.IV,11-12; 2000 Meng et al., pl.14,9-10.

Equisetites gracilis (Nathorst) 1995 Meng, pl.III,14(cf.); 2000 Meng et al., pl.14,12-13(cf.).

Neocalamites Halle 1908

Neocalamites shanxiensis Wang 2000 Meng et al., pl.14,1-8.

Neuropteridium (Schimper 1869) Weiss 1869

Neuropteridium voltzii Brongniart 1995 Meng, pl.V,6-9; 1996 Meng, pl.2,6-8; 2000 Meng et al., pl.15,4-7.

Nilssonina Brongniart 1825

Nilssonina sp. 1995 Meng, pl.VI,10; 2000 Meng et al., pl.18,3.

Nilssonina costanervis Meng 1995 1995 Meng, pls.V,3;VI,1; 2000 Meng et al., pl.18, 4-7.

Pagiophyllum Heer 1881

Pagiophyllum sp. 1995 Meng, pl.VIII,4; 2000 Meng et al., pl.20,7.

Peltaspermum Harris 1937

Peltaspermum miracarinatedum Meng 1995 1995 Meng, pl.VI,6-7; 1996 Meng, pl.3,4-5; 2000 Meng et al., pl.17,10-11.

Peltaspermum multicostatum Zhang et Shen 1995 Meng, pl.VI,4-5; 1996 Meng, pl.3,2-3; 2000 Meng et al., pl.17,1-6.

Pleuromeia Corda ex Giebel 1853

Pleuromeia hunanensis Meng 1993 1993 Meng, pl. I,1-14; 1995 Meng, pl.II,1-6; 1996 Meng, pl.1,11-13.

Pleuromeia sanxiaensis Meng 2000 Meng et al., pls.1-4;6,8;11,11-16,18; 12,1-6,8-10; 13,6,9-10;17,1-6.

Scytophyllum Bornemann 1856

Scytophyllum sp. 1995 Meng, p.8; 1996 Meng, pl.3,1; 4,10.

Scytophyllum hunanense Meng 1995 1995 Meng, pls.IV,13;V,1-2;VI,2; 1996 Meng, pl.3,6-8;

2000 Meng et al., pls.15,1-3; 16,2;17,4.
Sphenozamites (Brongniart 1849) Miquel 1851
Sphenozamites sp. 1995 Meng, pl.VIII,7.
Taeniopteris Brongniart 1828
Taeniopteris sp. 1995 Meng, pl.VII,3; 2000 Meng et al., pl.19,5.
Thinnfeldia Ettingshausen 1825
Thinnfeldia sp. 1995 Meng, pl.V,4-5; 2000 Meng et al., pl.18,1-2.
Thinnfeldia nordenskiöldi Nathorst 1995 Meng, pl.VI,8-9; 1996 Meng, pl.3,14 ; 2000 Meng et al., pl.18,8-9.
Tongchuanophyllum Huang et Zhou 1980
Tongchuanophyllum sp. 2000 Meng et al., pl.16,4-5.
Voltzia Brongniart 1828
Voltzia sp. 1995 Meng, pl.VII,1-2; 1996 Meng, pl.4,5 ; 2000 Meng et al., pl.19,1-2.
Voltzia curtifolia Meng 1995 1996 Meng, pl.4,9 ;
Voltzia heterophylla Brongniart 1995 Meng, pls.VII,4;VIII,1-3; 1996 Meng, pl.4,1-4 ; 2000 Meng et al., pls.17,15; 19,4; 20,1-3.
Voltzia curtifolia Meng 1995 1995 Meng, pl.IX,9-11.
Willsiostrobus Grauvogel-Stamm & Schaarschmidt 1978
Willsiostrobus sp. 2000 Meng et al., pl.17,12-13.
Willsiostrobus cordiformis (Grauvogel-Stamm) 1995 Meng, pl.VIII,8(cf.); 1996 Meng, pl.4,7(cf.) ; 2000 Meng et al., pl.20,4-6.
Yuccites Schimper and Mougest 1844
Yuccites anastomosis Wang Z. Q. et Wang L. X. 1995 Meng, pl.VII,5; 1996 Meng, pl.4,9 ; 2000 Meng et al., pl.19,6.
Yuccites vogesiacus Schimper et Mougeot 1995 Meng, pl.VII,6-8; 1996 Meng, pl.4,11 ; 2000 Meng et al., pl.19,7-9.

Ladinian (10 Sections Studied)

Hunan (1995 Meng, Hongjiaguan, Northwester Hunan, The 4th Layer of Badong Formation; 1998 Meng and 2000 Meng et al., Hongjiaguan, Northwester Hunan, The 4th and 5th Layer of Badong Formation)

Annalepis Fliche 1910
Annalepis furongqiaoensis Meng 2000 2000 Meng et al., pls.11,1-10;21,1-10.
Annalepis latiloba Meng 1998 1996 Meng, pl.3,9-10; 1998 Meng, pl.I,12-20 ; 2000 Meng et al.,pls.10,1-6;18,1-2; 20,1-7.
Equisetites Sternberg 1833
Equisetites arenaceus (Jaeger) Brongniart 1995 Meng, pl.IV,8; 1996 Meng, pl.2,16; 2000 Meng et al., pl.14,12-13.
Nilssonina Brongniart 1825
Nilssonina costanervis Meng 1995 1996 Meng, pl.3,11-12
Scytophyllum Bornemann 1856
Scytophyllum sp. 1996 Meng, pl.3,13 ; 2000 Meng et al., pl.16,1,7.
Sphenozamites (Brongniart 1849) Miquel 1851

Sphenozamites sp. 2000 Meng et al., pl.16,6.

South Anhui (1998 Meng and 2000 Meng et al., Yueshan, Huaining County, Anhui, Huangmaqing Formation)

Annalepis Fliche 1910

Annalepis zeilleri Fliche 1998 Meng, pl.II,1-22 ; 2000 Meng et al., pls.7-8;9,1-7;10,7-8;13,1-4; 8,3-4; 19,1-11.

South Jiangsu (1998 Meng and 2000 Meng et al., Nanjing, Jiangsu, Huangmaqing Formation)

Annalepis Fliche 1910

Annalepis zeilleri Fliche 1998 Meng, pl.II,1-22 ; 2000 Meng et al., pls.7-8;9,1-7;10,7-8;13,1-4; 8,3-4; 19,1-11.

Hubei (1979 Ye, Wayao Hillside, Zhonglu District, Lichuan County, Western Hubei, Middle Badong Formation ; 1984 Chen and 1987 Meng, Wayao Hillside and Nama Creek, Badong Formation; 2000 Meng et al., Puqi, Hubei, Puqi Formation)

Annalepis (Fliche 1910) emend.

Annalepis sp. 1979 Ye, p.76.pl.II, 1, 1a.

Annalepis zeilleri Fliche 1910 1979 Ye, p.75. pl.I, 1, 1a ; 1984 Chen, p.564.pl.261,5 ; 1987 Meng, pl.24,1.

Cladophlebis Brongniart 1849

Cladophlebis sp. 1979 Ye,p.77. pl.I, 5.

Desmiophyllum Lesquereux 1878

Desmiophyllum sp. (*Glossophyllum?* sp.) 1979 Ye,p.77.pl.I,6.

Neocalamites Halle 1908

Neocalamites sp. 1979 Ye, p.76.pl.I,3, 3a.

Neocalamites merianii (Brongniart 1828) Halle 1908 1979 Ye, p.76.pl.I, 2.

Pleuromeia Corda ex Giebel 1853

Pleuromeia sanxiaensis Meng 2000 Meng et al., pls.1-4;6,8;11,11-16,18; 12,1-6,8-10; 13,6,9-10;17,1-6.

Pleuromeia marginulata Meng 1995 2000 Meng et al., pls.5;6,1-7,9-17;11,17; 12,7,11; 13,5,7-8.

Radicites Potonié 1893

Radicites sp. 1979 Ye,p.77. pl.I, 4.

Samaropsis Göeppert 1864

Samaropsis sp. 1979 Ye,p.78. pl.II, 2, 2a, 3, 3a.

Sichuan (1979 Ye, Maantang, Jiangyou City, Sichuan, Tianjingshan Formation)

Sinoctenis Sze 1931

Sinoctenis pulcella Ye 1979 1979 Ye,p.78. pl.II, 5, 5a, 5b.

Carnian-Norian₁ (93 Sections Studied)

Xizang (1978 Chen et Duan, Kajila, Changdu City, Xizang; 1982a Wu, Tumen, Anduo County; Qiongtang, Baqing County; Dangqu, Nierong County and Badasong, Dingqing County, Xizang,

Tumengela Formation; 1982b Wu, Changdu City, Eastern Xizang, Jiapila Formation)
Allophyton Wu 1982
Allophyton denggenensis Wu 1982 1982a Wu, p.53.pl.VI,1;pl.VII,1,2.
Baiera F. Braun 1843, emend. Florin 1936
Baiera cf. *elegans* Ôishi 1982a Wu, p.57.pl.IX,2.
Cladophlebis Brongniart 1849
Cladophlebis sp.1 1982a Wu, p.52.pl.VI,2.
Clathropteris Brongniart 1828
Clathropteris meniscioides Brongniart 1982a Wu, p.52.pl.V,6.
Clathropteris tenuinervis Wu 1982a Wu, p.52.pl.V,1,1a;pl.VI,3;pl.VII,3.
Danaeopsis Heer 1864
Danaeopsis cf. *marantacea* (Presl) 1982a Wu, p.50.pl.II,5,5a;pl.III,2.
Dictyozamites Oldham et Morris 1863
Dictyozamites baqenensis Wu 1982 1982a Wu, p.56.pl.VIII,1,1a.
Equisetites Sternberg 1833
Equisetites arenaceus (Jaeger) 1982a Wu, p.48.pl.I,1-4;pl.IV,1.
Equisetites longidens Li 1982a Wu, p.48.pl.II,1.
Equisetites sarranii Zeiller 1982a Wu, p.48.pl.I,5-5b;pl.IV,2.
Equisetites sp.1 1982a Wu, p.48.pl.I,6,6a.
Equisetites (*Equisetostachys*) sp.2 1982a Wu, p.48.pl.I,7.
Hirmerella Horhammer 1933, emend. Jung, 1968
Hirmerella münsteri (Schenk) Jung 1982a Wu, p.57.pl.VIII,2,2a;pl.IX,3,3a,4A,4a,4b.
Hyrcaopteris Kryshstofovich et Prinada 1933 emend. Li et Tsao 1976
Hyrcaopteris sevanensis Kryshstofovich et Pryn. 1982a Wu, p.54.pl.I,7.
Hyrcaopteris zhonghuaensis Yang 1978 1978 Chen et Duan, pl.159,9.
Neocalamites Halle 1908
Neocalamites carrerei (Zeiller) Halle 1982a Wu, p.49.pl.II,2,3.
Neocalamites cf. *hoerensis* (Schimper) Halle 1982b Wu, p.79.pl.III,5,6.
Neocalamites sp.1 1982a Wu, p.49.pl.II,1.
Nilssonia Brongniart 1825
Nilssoniopteris Nathorst 1909
Nilssoniopteris jourdyi (Zeiller) Florin 1982a Wu, p.57.pl.IV,7A;pl.VIII,5C.
Otozamites Braun 1843
Otozamites cf. *indosinensis* Zeiller 1982a Wu, p.56.pl.IX,5.
Pterophyllum Brongniart 1825
Pterophyllum hanesianum Harris 1982a Wu, p.54.pl.VIII,3,3a.
Pterophyllum minutum Li et Tsao 1982a Wu, p.55.pl.IV,7B;pl.V,7,7a;pl.VIII,4,5A;pl.IX,4B.
Pterophyllum schenki Zeiller 1982a Wu, p.55.pl.IX,1,1a.
Pterophyllum cf. *zygotaticum* Harris 1982a Wu, p.56.pl.III,5-5b.
Radicites Potonié 1893
Radicites sp. 1982a Wu, p.50.pl.III,3.
Sphenopteris (Brongniart 1822) Sternberg 1833
Sphenopteris sp. 1982a Wu, p.53.pl.V,3,4.
Taeniocladopsis Sze 1956

Taeniocladopsis rhizomoides Sze 1982a Wu, p.50.pl.IV,3-5.
Thaumatopteris (Goepfert) Nathorst 1876
Thaumatopteris contracta Li et Tsao
Thaumatopteris fuchsii (Zeiller) 1982a Wu, p.51.pl.V,5;pl.VIII,5B.
Thaumatopteris sp.1 1982a Wu, p.51.pl.IX.4C.
Todites Seward 1900
cf. *Todites crenatum* Barnard 1982a Wu, p.51.pl.II,4;pl.III,4,4a.
Weltrichia Braun 1847, emend. Harris 1969
Weltrichia sp. 1982b Wu, p.97.pl.XVI,4,4a,4b.

Sichuan (1978 Chen et Duan, Mosha River, Huashan, Baoding, Taiping Field, Nalajing and Huijia Place, Dukou City; Shazi, Xiangcheng County; Xionglong and Wari, Xinlong County; Lamaya, Litang County, Daqiaodi Formation and Lamaya Formation; 1978 Zhang, Shi'e, Gulin, Sichuan ; 1979 Xu et al., Baoding, Southwestern Sichuan, Daqiaodi Formation; 1979a, b, c Chen et al., Mopuzha, Hongni Coal Field, Yanbian County, Sichuan, Daqiaodi Formation; 1982 Li et Wu, Xiangcheng, Yidun, Daocheng and Dege, Lamaya Formation ; 1982 Yang, Hongni Region, Yanbian County, Southern Sichuan, Daqiaodi Formation ; 1982 Yang, Xinlong County, Sichuan, Lamaya Formation ; 1986 Chen et al., Maoya, Litang, Sichuan, Daqiaodi Formation; 1976 Li, Moshaha, Dukou City, Daqiaodi Formation; 1989 Bian et Wang, Xujianhe, Guangyuan, Sichuan ; 2000 Yao et al., Xiongxi Village, Xinlong County, Lamaya Formation; Yangba, Rejia Village, Baiyu County and Cuotong Ditch, Dege County, Goumiange Formation)

Aipteris Zalessky 1939
Aipteris sp. 1981 Chen et Duan, p.154.
Androstrobus Schimper 1870
Androstrobus pagodiformis Xu et Hu 1979 1979 Xu et al., pl.XLV, 2-2b.
Angiopteris Hoffmann 1796
Angiopteris antiqua Xu et Chen 1974 1978 Chen et duan,p.473.pls.166,3 ;185,4; CLXXXV, 4 ; 1979 Xu et al., pl.V, 1 1a.
Angiopteris hongniensis Chen et Duan 1979 1979a Chen et al. p.57.pl.I,5,5a; 1981 Chen et Duan, p.153.
Angiopteris taeniopteroides Yang 1978 1978 Chen et duan,p.473.pl.159,1.
Angiopteris yungjenensis Xu et Chen 1974 1978 Chen et duan,p.474.pl.185,2
Annulariopsis Zeiller 1902
Annulariopsis cf. *Annulariopsis inopinata* Zeiller 1981 Chen et Duan, p.153.
Anomozamites Schimper 1870
Anomozamites alternus Xu et Hu 1975 1978 Chen et duan,pl.157,2 ; 1979 Xu et al., pl.LIV, 1 3
Anomozamites amdрупiana Harris 1932 1981 Chen et Duan, p.154.
Anomozamites cf. *hartzii* Harris 1926 1981 Chen et Duan, p.154.
Anomozamites densinervis Li 1976 1976 Li et al., p.121.pl.35,4-5a.
Anomozamites hartzii Harris 1926 1979 Xu et al., pl.LIV, 5 8 (cf.).
Anomozamites inconstans (Goepfert 1843) Schimper 1870 1979 Xu et al., pl.LIII,1-9a.
Anomozamites loczyi Schenk 1884 1982 Li et Wu, pl.VI,3.
Anomozamites marginatus (Uger) Nathorst 1981 Chen et Duan, p.154.
Anomozamites minor (Brongniart 1824) Nathorst 1878 1976 Li et al., p.122.pl.34,5-6a(cf.) ; 1979

Xu et al., pl.LVI,1-7 ; 1981 Chen et Duan, p.154; 1986 Chen et al.p.42.pl.8,6.
Anomozamites multinervis Duan et Zhang 1979 1979b Chen et al. p.187.pl.II,7; 1981 Chen et Duan, p.154.
Anomozamites pachylomus Xu et Hu 1975 1978 Chen et duan,p.509.pl.158,2 ; 1979 Xu et al., fig.17; pls.LV, 9, 10; LVI, 8 17; LVII, 2.
Anomozamites ptilus Hu 1975 1978 Chen et duan,p.509.pl.158,3 ; 1979 Xu et al., pl.LVII, 1,2 ; 1981 Chen et Duan, p.154.
Anomozamites sp. 1979 Xu et al., pls.LIV, 4; LV, 11, 12 .
Anomozamites sp. 1981 Chen et Duan, p.154.
Anomozamites sp. 1986 Chen et al.p.42.pl.10,7.
Anomozamites sp. 2000 Yao et al., p.441.
Anthrophyopsis Nathorst 1878
Anthrophyopsis crassinervis Nathorst 1878 1978 Chen et al. (b), pl.CLV, 1.
Asterotheca Presl 1846
Asterotheca cf. *cottoni* (Zeiller 1902) Hirmer 1927 1986 Chen et al.p.39.pl.3,3.
Asterotheca cottoni (Zeiller 1902) Hirmer 1927 1978 Chen et duan,p.476.pl.161,4-5 ; 1979 Xu et al., pls.II,8-10a;III,4,1,2; 1981 Chen et Duan, p.153.
Asterotheca latepinnata (Leuthardt 1904) Xu 1979 1979 Xu et al., pls.II, 8 10A; III; IV, 1, 2 ; 1981 Chen et Duan, p.153.
Asterotheca sp.1 1981 Chen et Duan, p.153.
Asterotheca sp.2 1981 Chen et Duan, p.153.
Baiera Braun 1843
Baiera cf. *gracilis* (Bean ex Goeppert 1848) Bunbury 1851 1981 Chen et Duan, p.154.
Baiera exiliformis Yang 1978 1978 Chen et duan,p.528.pl.177,3.
Baiera sp. 1981 Chen et Duan, p.154.
Baiera sp.1 1986 Chen et al.p.42.pl.8,7.
Baiera sp.2 1986 Chen et al.p.43.pl.9,2.
Bernettia Gothan 1914
Bernettia phialophora Harris 2000 Yao et al., pl.III,6-7.
Bernoullia Heer 1877
Bernoullia pseudolobifolia Yang 1978 1978 Chen et duan,p.476.pl.160,5 ; 1978 Chen et duan,p.476.pl.160,5.
Carpolithus Brongniart 1822
Carpolithus sp. 1979 Xu et al., pl.LXXII, 7, 7A.
Carpolithus sp. 1981 Chen et Duan, p.154.
Caulopteris Londley et Hutton 1832
Caulopteris nalajingensis Yang 1978 1978 Chen et duan,p.496.pl.172,7-8.
Cladophlebis Brongniart 1849
Cladophlebis asiatica Chow et Yeh 1981 Chen et Duan, p.153.
Cladophlebis calcariformis Chu 1975 1979 Xu et al., pls.XVIII, 2; XIX, 2a.
Cladophlebis cf. *gigantean* Ôishi 1981 Chen et Duan, p.153.
Cladophlebis cf. *raciborskii* Zeiller 1903 1982 Li et Wu, pl.XVIII,2,2a.
Cladophlebis cf. *suniana* Sze 1981 Chen et Duan, p.153.
Cladophlebis foliolata Li 1976 1976 Li et al., p.111.pl.28,1,2.

Cladophlebis grabauiana P'an 1936 1976 Li et al., p.113.pl.45,7,7a; 1981 Chen et Duan, p.153.

Cladophlebis gracilis Sze 1956 1979 Xu et al., pls.XVII, 2 4a; XVIII, 1, 2a ; 1986 Chen et al.pl.5,4.

Cladophlebis ichüinensis Sze 1956 1979 Xu et al., pl.XV, 4, 4A; 1981 Chen et Duan, p.153.

Cladophlebis imbricata Chu 1975 1979 Xu et al., pl.XV, 5 5A.

Cladophlebis nebbensis (Brongniart 1834) Nathorst 1875 1981 Chen et Duan, p.153.

Cladophlebis qamdoensis Li et Wu 1982 1982 Li et Wu, pls.I,2,2a ; III,2 ; V,1,1a ; VI,1,1a ; VII,1-2 ; VIII,2 ; XX,1 ; XXII,4.

Cladophlebis raciborskii Zeiller 1903 1979 Xu et al., pls.XVI,7,8 ;XVII,1,1a ; 1981 Chen et Duan, p.153; 1986 Chen et al.pl.6,1.

Cladophlebis scariosa Harris 1931 1979 Xu et al., pl.XVI, 1 6 ; 1982 Li et Wu, pl.XIII,2,2a ; 1986 Chen et al.p.41.pl.5,3-3a.

Cladophlebis sp. 1982 Li et Wu, pl.XI,5.

Cladophlebis sp. 2000 Yao et al., p.441.

Cladophlebis sp.1 1979 Xu et al., pls.XVIII,3,4a ;XX,1-5.

Cladophlebis sp.1 1981 Chen et Duan, p.154.

Cladophlebis sp.1 1986 Chen et al.p.41.pl.6,4.

Cladophlebis sp.2 1979 Xu et al., pl.XV,2-3a.

Cladophlebis sp.2 1981 Chen et Duan, p.154.

Cladophlebis sp.2 1986 Chen et al.p.41.pl.6,5.

Cladophlebis suniana Sze 1981 Chen et Duan, p.153.

Cladophlebis tingii Sze 1981 Chen et Duan, p.153.

Cladophlebis xinlongoensis Feng 2000 2000 Yao et al., pl.III,3.

Cladophlebis yungjenensis Chu 1975 1979 Xu et al., pls.XVIII, 5; XX, 6; 1981 Chen et Duan, p.153.

Clathropteris Brongniart 1828

Clathropteris cf. *mongugaica* Srebrodol'skaya 1961 1982 Li et Wu, pl.XIII,1A.

Clathropteris meniscioides Brongniart 1828 1978 Chen et duan,p.485.pl.168,1 ; 1979 Xu et al., pls.XX, 7; XXI-XXV; XXVI, 1 6; XXVII, 1 ; 1981 Chen et Duan, p.153; 1982 Li et Wu, pl.X,1 ; 1986 Chen et al.pl.4,3 ; 2000 Yao et al., p.441.

Clathropteris mongugaica Srebrodol'skaya 1961 1981 Chen et Duan, p.153; 1986 Chen et al.p.40.pl.4, 4-4a.

Clathropteris platyphylla (Goeppert 1842) Brongniart 1849 1986 Chen et al.p.40.pl.5,1 ; 1981 Chen et Duan, p.153.

Clathropteris sp. 1982 Li et Wu, pl.XI,1A.

Compsopteris Zalessky 1934

Compsopteris crassinervis Yang 1978 1978 Chen et duan,p.503.pl.174,1.

Compsopteris platyphylla Yang 1978 1978 Chen et duan,p.503.pls.174,4 ;175,1.

Compsopteris tenuinervis Yang 1978 1978 Chen et duan,p.503.pl.174,2-3.

Compsopteris zhonghuanensis Yang 1978 1978 Chen et duan,p.502.pl.175,2.

Conites Sternberg 1823

Conites sp. 1982 Li et Wu, pl.XXI,5-7.

Ctenis Williamson ex Lingdley et Hutton 1834

Ctenis anomozamioides Lee 1964 1981 Chen et Duan, p.154.

Ctenis litangensis Chen et al. 1986 1986 Chen et al.p.41.pls.7,3-4 ;10,6.

Ctenis lobata Chen et Zhang 1979 1979b Chen et al. p.186.pl.I,2; 1981 Chen et Duan, p.154.

Ctenis multinervis Chen 1975 1979 Xu et al., pl.XLVII, 1 2A

Ctenis nilssonii (Nathorst 1878) Harria 1932 1979 Xu et al., pl.XLVI, 1, 2; 1981 Chen et Duan, p.154.

Ctenis pterophylloides Chen et Duan 1979 1979c Chen et al. p.170.pl.III,2; 1981 Chen et Duan, p.154.

Ctenis regularis Chen et Duan 1979 1979b Chen et al. p.187.pl.I,3; 1981 Chen et Duan, p.154.

Ctenis sp. 1979 Xu et al., pl.XLVII, 3-5.

Ctenis sp. 1981 Chen et Duan, p.154.

Ctenis yungjenensis Chu 1975 1978 Chen et duan,p.521.pl.158,1 ; 1979 Xu et al., pl.XLVII,2,2a.

Ctenopteris Brongniart ex Saporta 1873

Ctenopteris anomozamioides Yang 1978 1978 Chen et duan,p.500.pl.181,2.

Ctenopteris chinensis (Xu et Hu 1974) Xu 1975 1978 Chen et duan,p.501.pl.180,8.

Ctenopteris cycadea (Brongniart 1828) Saporta 1873 1978 Chen et duan,p.500.pl.181,3-4.

Ctenopteris megaphylla Yang 1978 1978 Chen et duan,p.501.pl.181,1.

Ctenopteris pterophylloides Yang 1978 1978 Chen et duan,p.501.pls.161,1a ;164.

Ctenozamites Nathorst 1886

Ctenozamites baodingensis Chen et Duan 1979 1979 Xu et al., pl.LXXV.

Ctenozamites cf. *cycadea* (Berger 1832) Schenk 1887 1981 Chen et Duan, p.154.

Ctenozamites chinensis (Xu et Hu) Xu 1979 Xu et al., pl.XXXIX, 1, 1a; 1981 Chen et Duan, p.154.

Ctenozamites cycadea (Berger 1832) Schenk 1887 1982 Li et Wu, pls.XIV,3,3a ;XXI,1.

Ctenozamites digitata Chen et Duan 1979 1979c Chen et al.p.169.pl.I,1,1a; 1981 Chen et Duan, p.154.

Ctenozamites hongniensis Chen et Duan 1979 1979c Chen et al. p.169.pl.II,2,2a; 1981 Chen et Duan, p.154.

Ctenozamites microloba Chen et Duan 1979 1979a Chen et al. p.61.pl.II,3; 1981 Chen et Duan, p.154.

Ctenozamites otoeis Chen et Zhang 1979 1979a Chen et al. p.61.pl.III,1,2; 1981 Chen et Duan, p.154.

Ctenozamites plicata Chen et Duan 1979 1979c Chen et al. p.170.pl.I,4,5; 1981 Chen et Duan, p.154.

Ctenozamites sarranii Zeiller 1981 Chen et Duan, p.154.

Ctenozamites sp. 1982 Li et Wu, pl.VI,2.

Ctenozamites sp.1 1981 Chen et Duan, p.154.

Ctenozamites sp.2 1981 Chen et Duan, p.154.

Cycadocarpidium Nathorst 1886

Cycadocarpidium erdmannii Nathorst 1886 1979 Xu et al., pl.LXXI,2-4 ; 1982 Yang,p.484.pl.14,7-12; 4,11-14

Cycadocarpidium sp. 1982 Li et Wu, pl.XIII,3A,3B.

Cynepteris Ash 1969

Cynepteris lasiophora Ash 1981 Chen et Duan, p.154.

Danaeopsis Presl 1845

Danaeopsis fecunda Halle 1921 1978 Chen et duan,p.474.pl.159,2-3.

Danaeopsis marantacea (Presl 1838) Schenk 1864 1979 Xu et al., pls.VI/VII, 1 3; VIII; IX; X, 2 ; 1981 Chen et Duan, p.153.

Dictyophyllum Lindley et Hutton 1834

Dictyophyllum aequale Yang 1978 1978 Chen et duan,p.486.pl.168,2.

Dictyophyllum cf. *nilssonii* (Brongniart 1828) Goeppert 1846 1981 Chen et Duan, p.153.

Dictyophyllum exile (Brauns 1862) Nathorst 1878 1979 Xu et al., pls.XXVII, 2 6; XXVIII; 1981 Chen et Duan, p.153.

Dictyophyllum gracile (Turutanova-Ketova 1962) Chu 1979 1979 Xu et al., fig.9; pl.XXVII, 7-7a.

Dictyophyllum muensteris (Goeppert) Nathorst 1982 Li et Wu, pl.XI,1,2.

Dictyophyllum nathorstii Zeiller 1903 1978 Chen et duan,p.485.pl.168,6 ; 1978 Zhang, pl.CLXI, 4 ; 1979 Xu et al., pls.XXVI, 7; XXVII, 8; XXIX-XXXI; XXXII, 1 ; 1981 Chen et Duan, p.153 ; 1982 Li et Wu, pls.II,2 ; XIV, 1,1a ; 1986 Chen et al.p.40.pl.5,2 ; 2000 Yao et al., p.441; 1978 Chen et duan,p.486.pl.168,7 ; 1978 Zhang, pl.CLXI, 1.

Dictyophyllum serratum (Kurr ex Schimper 1869) Frentzen 1922 1979 Xu et al., pl.XXXII, 2-7.

Dictyophyllum sp. 1981 Chen et Duan, p.153.

Dictyozamites (Oldham 1862) Medlicott et Blanford 1879

Dictyozamites zhonghuanensis Yang 1978 1978 Chen et duan,p.510.pl.160,3.

Doratophyllum Harris 1932

Doratophyllum decoratum Lee 1964 1981 Chen et Duan, p.154.

Drepanozamites Harris 1932

Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1981 Chen et Duan, p.154.

Drepanozamites sp. 1981 Chen et Duan, p.154.

Dukouphyllum Yang 1978

Dukouphyllum noeggerathoides Yang 1978 1978 Chen et duan,p.525.pls.186,1-3 ;175,3.

Dukouphyton Yang 1978

Dukouphyton minor Yang 1978 1978 Chen et duan,p.518.pl.160,2.

Eboracia Thomas 1911

Eboracia lobifolia (Phillips 1829) Thomas 1911 1978 Chen et duan,p.483.pl.156,6 ; 1978 Chen et duan,p.483.pl.156,6.

Eboracia major Yang 1978 1978 Chen et duan,p.483.pl.156,7.

Eboraciopsis Yang 1978

Eboraciopsis trilobifolia Yang 1978 1978 Chen et duan,p.494.pls.163,6 ;175,5 ; 1978 Chen et duan,p.494. pls.163,6 ;175,5.

Equisetites Sternberg 1833

Equisetites aff. *multidentatus* Oishi 1932 1982 Li et Wu, pls.II,3.

Equisetites sp.1 1982 Li et Wu, pl.II,4.

Equisetites sp.2 1982 Li et Wu, pl.XVI,2.

Equisetites takahashii Kon'no 1982 Li et Wu, pl.III,1(cf.).

Equisetum Linnaeus 1753

Equisetum arenaceum (Jaeger 1827) Heer 1865 1979 Xu et al., pl.II, 3.

Equisetum neocalamioides Yang 1978 1978 Chen et duan,p.470.pl.156,4.

Equisetum sarranii Zeiller 1902 1979 Xu et al., pl.II, 4 7 (cf.); 1981 Chen et Duan, p.153.

Equisetum sp. 1981 Chen et Duan, p.153.

Ferganiella Prinada 1936
Ferganiella podozamioides Li 1978 Chen et duan,p.533.pl.184,5 ; 2000 Yao et al., pl.II,4.
Furcula Harris 1932
Furcula sp. 1981 Chen et Duan, p.154.
Ginkgoites Seward 1919
Ginkgoites acosmia Harris 1935 1978 Chen et duan,p.526.pl.177,1.
Ginkgoites cf. *magnifolia* Du Toit 1981 Chen et Duan, p.154.
Ginkgoites qamdoensis Li et Wu 1982 1982 Li et Wu, pls.VI,4; XVI,2.
Ginkgoites sichuanensis Yang 1978 1978 Chen et duan,p.527.pl.177,2.
Ginkgoites sinophylloides Yang 1978 1978 Chen et duan,p.527.pl.185,1.
Ginkgoites xinlongensis Yang 1978 1978 Chen et duan,p.526.pl.184,2.
Gleichenites Goeppert 1836
Gleichenites yipinglangensis Li et Tsao 1976 1986 Chen et al.p.39.pl.3,5-5a ; 1982 Li et Wu, plsV,2,2a,3,3a ;VII,1,1a..
Glossophyllum Kraeusel 1943
Glossophyllum longifolium Yang 1978 1978 Chen et duan,p.529.pl.184,8.
Cf. *Glossophyllum shensiensis* Sze 1956 1982 Li et Wu, pl.XVI,3,4.
Glossophyllum shensiensis Sze 1956 1979 Xu et al., pls.LXIX, 4, 5; LXX, 1-3; 1981 Chen et Duan, p.154; 1986 Chen et al.pl.9,8 ; 2000 Yao et al., pl.II,4.
Glossophyllum zeilleri (Seward 1936) Sze 1956 1979 Xu et al., pl.LXX, 4; 1981 Chen et Duan, p.154.
Goepertella Oishi et Yamasita 1936
Goepertella microloba (Schenk 1867) Oishi et Yamasita 1936 1978 Chen et duan,p.490.pl.167,3 ; 1979 Xu et al., pls.XXXV,6 ; XXXVI ; 1981 Chen et Duan, p.153.
Goepertella nalajingensis Yang 1978 1978 Chen et duan,p.491.pls.169 ;170,1a.
Goepertella sp. 1981 Chen et Duan, p.153.
Goepertella thaumatopteroides Yang 1978 1978 Chen et duan,p.491.pl.167,1-2.
Goepertella xiangchengensis Li et Wu 1982 1982 Li et Wu, pls.XV,1,2 ; XVI,1.
Hicriopteris Presl 1851
Hicriopteris triassica Duan et Chen 1979 1979a Chen et al. p.60.pl.I,1,1a,1b,2; 1981 Chen et Duan, p.153.
Hyrcaopteris Kryshstofovich et Prinada 1933
Hyrcaopteris magnifolia Li et Wu 1982 1982 Li et Wu, pl.XIX,1,1a-c,2.
Hyrcaopteris sevanensis 1986 Chen et al.pls.6,7-8 ;7,1-1a.
Hyrcaopteris sinensis Li et Tsao 1982 Li et Wu, pls.XXII, 5 ;XX,2,2a ; 2000 Yao et al., pl.III,5.
Kylikopteris Harris 1961
Kylikopteris simplex Duan et Chen 1979 1979a Chen et al. p.60.pl.I,3,4,4a; 1981 Chen et Duan, p.153.
Lepidopteris Schimper 1869
Lepidopteris dukouensis Yang 1979 1978 Chen et duan,p.498.pl.172,2.
Lepidopteris guangyuanensis Bian et Wang 1989 1989 Bian et Wang, pl.II-3-6,9.
Lepidopteris ottonis (Goeppert 1836) Schimper 1869 1978 Chen et duan,p.498.pl.172,1 ; 1982 Yang,p.472.pl.4,1-3.
Lepidopteris sichuanensis Bian et Wang 1989 1989 Bian et Wang, pl.I-1,2,5,6.

Lepidopteris stuttgartiensis (Jaeger 1827) Schimper 1869 1978 Chen et duan,p.497.pl.173,4 ; 1979 Xu et al., pls.LXXIII, 1 3; LXXIV, 3-7.

Lepidopteris xujiahensis Bian et Wang 1989 1989 Bian et Wang, pls.I-3,4,7; II-1,2,7,8.

Lesleya Lesquereux 1880

Lesleya triassica Chen et Duan 1979 1979c Chen et al. p.171.pl.III,3; 1981 Chen et Duan, p.154.

Lüreticopteris Xu et Chu 1974

Lüreticopteris megaphylla Xu et Chu 1974 1978 Chen et duan,p.494.pl.159,4 ; 1979 Xu et al., fig.14; pl.XI, 1 4; 1981 Chen et Duan, p.154; 1986 Chen et al.pl.6,6.

Marattia Swartz 1788

Marattia antiqua Chen et Duan 1979 1979a Chen et al. p.58.pl.III,4,4a; 1981 Chen et Duan, p.153.

Marattia asiatica (Kawasaki 1939) Harris 1961 1979 Xu et al., pl.V, 4 5 ; 1981 Chen et Duan, p.153; 1982 Li et Wu, pl.VII,2 ; 1986 Chen et al.p.39.pl.3.1-1a.

Marattia hörensis (Schimper) Harris 1981 Chen et Duan, p.153; 1982 Li et Wu, pl.VII,1,2B.

Marattia müensteri (Goeppert 1841) Schimper 1879 1979 Xu et al., pl.V, 3, 3; 1981 Chen et Duan, p.153; 1986 Chen et al.p.39.pl.3,2; 2000 Yao et al., p.441.

Marattia ovalis Feng 2000 2000 Yao et al., pl.III, 4.

Marattia sp. 1982 Li et Wu, pl.II,5,5a.

Marattiopsis Schimper 1870

Marattiopsis litangensis Yang 1978 1978 Chen et duan,p.475.pl.159,6-7.

Marattiopsis muensteri (Goeppert 1842) Schimper 1874 1978 Chen et duan,p.475.pl.159,5; pl.CLIX, 5.

Mixopteris Xu et Chu 1974

Mixopteris intercalaris Xu et Chu 1974 1978 Chen et duan,p.495.pl.180,2 ; 1979 Xu et al., pl.XXXVII ; 1981 Chen et Duan, p.153.

Neocalamites Halle 1908

Neocalamites carcinoides Harris 1931 1978 Chen et duan,p.471.pl.156,2 ; 1979 Xu et al., fig.7B; pl.II, 1-2.

Neocalamites carrerei (Zeiller 1902) Halle 1908 1978 Chen et duan,p.471.pl.156,1 ; 1979 Xu et al., fig.7C; pl.I, 1-4 ; 1981 Chen et Duan, p.153; 1986 Chen et al.p.38.pl.4,1.

Neocalamites hoerensis (Schimper 1869) Halle 1908 1979 Xu et al., fig.7A; pl.I, 5 6a.

Neocalamites sp. 1982 Li et Wu, pl.I,3.

Neocalamites tubercalayus Li et Wu 1982 1982 Li et Wu, pl.III,3A,3a.

Nilssonia Brongniart 1825

Nilssonia dukouensis Yang 1978 1978 Chen et duan,p.519.pl.178,4.

Nilssonia hongniensis Duan et Chen 1979 1979b Chen et al. p.186.pl.II,8; 1981 Chen et Duan, p.154.

Nilssonia muensteri Presl 1982 Li et Wu, pl.XXII,1A,1a(cf.). 1982 Li et Wu, pl.II,1B ; 1978 Chen et duan,p.519.pl.179,4.

Nilssonia orientalis Heer 1878 1981 Chen et Duan, p.154.

Nilssonia sp. 1982 Li et Wu, pl.XXII,1A,1a.

Nilssonia sp.1 1981 Chen et Duan, p.154.

Nilssonia sp.1-7 1979 Xu et al., pls.XLI, 4; XLII, 1 7; XLIII, 1, 2B, 3 6; XLIV,1-5; XLVI, 4.

Nilssonia sp.2 1981 Chen et Duan, p.154.

Nilssoniopteris Nathorst 1909

Nilssoniopteris jourdyi (Zeiller 1902) Florin 1933 1978 Chen et duan,p.518.pl.180,7 ; 1979 Xu et al., pl.LXII, 1-8 ; 1981 Chen et Duan, p.154; 1982 Li et Wu, pls.VI,4 ;XIV,2.

Otozamites Braun 1843

Otozamites bechei Brongniart 1981 Chen et Duan, p.154.

Otozamites hsiangchiensis Sze 1949 1979 Xu et al., pl.LVII, 3, 4.

Otozamites indosinensis Zeiller 1903 1979 Xu et al., pls.LVII, 7; LVIII/LIX, 1 5; 1981 Chen et Duan, p.154.

Otozamites megaphyllus Xu et Tuan 1974 1978 Chen et duan,p.513.pls.178,1 ;173,5 ; 1978 Chen et duan,p.513.pls.178,1 ;173,5 ; 1979 Xu et al., pls.LVIII/LIX, 1 3; LX, 1; LX1, 7; 1981 Chen et Duan, p.154.

Otozamites nalajingensis Tsao et Guo 1979 Xu et al., pls.LVIII/LIX, 4; LX, 4; LXI, 2-5; LXXI, 6, 7.

Otozamites pamiricus Pryn. 1979 Xu et al., pl.LVII,5-6.

Otozamites recurvus Xu et Tuan 1974 1978 Chen et duan,p.513.pls.173,1 ;178,2 ; 1978 Chen et duan,p.513.pls.173,1 ;178,2 ; 1979 Xu et al., pls.LX, 2, 3; LXI, 1; 1981 Chen et Duan, p.154.

Otozamites sp. 1979 Xu et al., pls.LX, 5; LX1, 6.

Otozamites sp. 1982 Li et Wu, pl.XV,4,4a. p.91.pl.V,5,5a ; 1986 Chen et al.p.39.pl.3.1-1a.

Pachypteris Brongniart 1828

Pachypteris sp.1 1981 Chen et Duan, p.154.

Pachypteris sp.2 1981 Chen et Duan, p.154.

Pachypteris yungjenensis Xu et Hu 1974 1978 Chen et duan,p.500.pl.180,3 ; 1979 Xu et al., pls.XXXVIII, 3-5; XXXIX, 2, 3a; XL, 2, 3a ; 1981 Chen et Duan, p.154.

Pecopteris (Brongniart 1822) Brongniart 1825

Pecopteris callipteroides Xu et Chu 1974 1978 Chen et duan,p.495.pls.163,9 ;185,3 ; 1979 Xu et al., pls.X, 3, 3A; XIII, 1.

Phlebopteris Brongniart 1837

Phlebopteris xiangyunensis Li et Tsao 1974 1981 Chen et Duan, p.153.

Pityolepis Nathorst 1897

Pityolepis sp. 1981 Chen et Duan, p.154.

Pityophyllum (Nathorst 1897) Seward 1919

Pityophyllum longifolium (Nathorst 1878) Moeller 1903 1982 Li et Wu, pl.XIV,4.

Podozamites Braun 1843

Podozamites distans (Presl 1838) Braun 1843 1979 Xu et al., pl.LXXI, 1, 8; 1981 Chen et Duan, p.154.

Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 1978 Zhang, pI.CLXIV, 11; 1982 Li et Wu, pls.XVI,5 ; XVIII,1B.

Podozamites schenkii Heer 1876 1982 Li et Wu, pl.II,1C.

Pseudoctenis Seward 1911

Pseudoctenis bifurcata Chen et Zhang 1979 1979c Chen et al.p.170.pl.I,2,3; 1981 Chen et Duan, p.154.

Pseudoctenis gigantea Xu et Chen 1975 1978 Chen et duan,p.522.pl.158,4 ; 1979 Xu et al., pl.XLVIII; 1981 Chen et Duan, p.154.

Pseudoctenis pachyphylla Chen et Duan 1979 1979c Chen et al. p.171.pl.II,1; 1981 Chen et Duan,

p.154.

Pseudoctenis sp. 1979 Xu et al., pl.XLVI, 3.

Pseudoctenis sp. 1982 Li et Wu, pl.III,4.

Pterophyllum Brongniart 1825

Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1979 Xu et al., pl.XLIX, 1 ; 1981 Chen et Duan, p.154; 1982 Li et Wu, pl.IX,3 ; 2000 Yao et al., p.441.

Pterophyllum angustum (Braun 1843) Gothan 1914 1979 Xu et al., pl.XLIX, 2, 3 ; 1981 Chen et Duan, p.154.

Pterophyllum astartense Harris 1932 1979 Xu et al., pl.XLIX, 4 (cf.) ; 1981 Chen et Duan, p.154; 1986 Chen et al.p.42.pl.8,1-2.

Pterophyllum bavieri Zeiller 1903 1979 Xu et al., pl.XLIX, 5, 6; 1982 Yang,p.477.pl.14,13.

Pterophyllum cf. *exhibens* Lee 1964 1981 Chen et Duan, p.154.

Pterophyllum cf. *muensteri* (Presl 1838) Goepfert 1844

Pterophyllum contiguum Schenk 1883 1979 Xu et al., pl.L, 1 4.

Pterophyllum dukouensis Yang 1978 1978 Chen et duan,p.506.pl.176,1-2.

Pterophyllum exhibens Lee 1964 1976 Li et al., p.119.pl.34, 7.

Pterophyllum furcata Yang 1978 1978 Chen et duan,p.507.pl.178,6.

Pterophyllum jaegeri Brongniart 1828 1978 Chen et duan,p.506.pl.177,5 ; 1981 Chen et Duan, p.154; 1982 Li et Wu, pl.VI,3.

Pterophyllum longifolium Brongniart 1828 1979 Xu et al., fig.16; pl.L, 5-7.

Pterophyllum magnificum Li et al. 1976 1976 Li et al.,p.119. pl.33, 1-3.

Pterophyllum multilineatum Shirley 1897 1979 Xu et al., pl.LI, 1 5 (cf.); 1981 Chen et Duan, p.154.

Pterophyllum nathorstii Schenk 1883 1981 Chen et Duan, p.154.

Pterophyllum otofoliolatum Xu et Hu ex Zhang 1978 1979 Xu et al., pls.L, 8; LII, 1, 1a; LIII, 6.

Pterophyllum portali Zeiller 1981 Chen et Duan, p.154.

Pterophyllum ptilum Harris 1932 1981 Chen et Duan, p.154; 1982 Li et Wu, pl.XI,3,3a ; 1986 Chen et al.pl.7,2 ; 2000 Yao et al., p.441.

Pterophyllum schenki Zeiller 1903 1986 Chen et al.pl.8,3-4.

Pterophyllum sinense Lee 1964 1978 Chen et duan,p.507.pl.161,3 ; Chen et Duan, p.154; 1982 Li et Wu, pl.2,2a ; 1986 Chen et al.pl.5,5a.

Pterophyllum sp. 1979 Xu et al., pls.XLIX, 10; LI, 6, 7; LII, 2-6; LIII, 1, 2, 5.

Pterophyllum sp. 1981 Chen et Duan, p.154.

Pterophyllum sp. 1986 Chen et al.p.42pl.8,5.

Pterophyllum subaequale Hartz 1896 1979 Xu et al., pl.LIII, 3, 4; 1981 Chen et Duan, p.154.

Pterophyllum tietzei Schenk 1887 1979 Xu et al., pls.LII, 4; LIII, 1, 2; 1981 Chen et Duan, p.154.

Pterophyllum variabilum Duan et Chen 1979 1979b Chen et al. p.187.pl.I,1.

Pterophyllum xinanense Yang 1978 1978 Chen et duan,p.507.pl.161,2.

Pterophyllum yunnanense Hu 1975 1978 Chen et duan,p.508.pl.157,4 ; 1979 Xu et al., pl.LII, 2, 3.

Ptilozamites Nathorst 1878

Ptilozamites chinensis Xu 1950 1978 Chen et duan,p.499.pl.172,3 ; 2000 Yao et al., p.441.

Ptilozamites nilssoni Nathorst 1878 2000 Yao et al., p.441.

Raphaelia Debey et Ettingshausen 1859

Raphaelia diamensis Seward 1911 1978 Chen et duan,p.496.pl.159,10.

Rireticopteris Xu et Chu 1974
Rireticopteris microphylla Xu et Chu 1974 1978 Chen et duan,p.479.pls.164,6 ;171,2; pls.CLXIV, 6; CLXXI, 2 ; 1979 Xu et al., fig.12a, b; pls.XI, 5-5b; XII; XIII, 2, 2a ; 1981 Chen et Duan, p.154.
Sagenopteris Presl 1838
Sagenopteris glossopteroides Xu et Tuan 1974 1978 Chen et duan,p.504.pl.157,1 ; 1979 Xu et al., pls.XXXVIII, 6; XL, 1; XLI, 1, 2 ; 1981 Chen et Duan, p.154.
Sagenopteris sp. 1979 Xu et al., pl.XXXVIII, 7, 7a .
Sagenopteris sp. 1981 Chen et Duan, p.154.
Sagenopteris stenofolia Xu et Tuan 1974 1978 Chen et duan,p.504.pl.177,7-8 ; 1979 Xu et al., pl.XLI, 3 ; 1981 Chen et Duan, p.154.
Scleropteris Saporta 1872
Scleropteris juncta Xu 1979 1979 Xu et al., pl.LXXIV, 1, 2.
Selaginellites Zeiller 1906
Selaginellites yunnanensis Xu 1950 1978 Chen et duan, p.470. pls. 156,5 ; 157,7 ; 1982 Li et Wu, pl.I,1,1a.
Sinoctenis Sze 1931
Sinoctenis calophylla Wu et Li 1968 1982 Li et Wu, pls.VII,3 ;XXI,3,3a ; 2000 Yao et al., p.441.
Sinoctenis leeiana Sze 2000 Yao et al., pl.II,4.
Sinoctenis zhonghuanensis Yang 1978 1978 Chen et duan,p.523.pl. 179,2-3 ; 2000 Yao et al., p.441.
Speirocarpites Yang 1978
Speirocarpites dukouensis Yang 1978 1978 Chen et duan,p.480.pl.164,1-2.
Speirocarpites rireticopteroides Yang 1978 1978 Chen et duan,p.480.pl.164,3.
Speirocarpites zhongguoensis Yang 1978 1978 Chen et duan,p.481.pl.164,4-5.
Sphenobaiera Florin 1936
Sphenobaiera cf. *pulchella* (Heer) Florin 1981 Chen et Duan, p.154.
Sphenobaiera huangii (Sze 1949) Sze 1956 1978 Chen et duan,p.530.pl.184,9
Sphenopteris (Brongniart 1822) Sternberg 1833
Sphenopteris bifurcata (Xu et Chen 1974) Yang 1978 1978 Chen et duan,p.496.pl.186,4 ; 2000 Yao et al., p.441.
Sphenopteris cf. *nitidula* Oishi 1981 Chen et Duan, p.154.
Sphenopteris sp. 1982 Hu et Zhou.p.34.
Sphenozamites (Brongniart 1849) Miquel 1851
Sphenozamites sp. 1981 Chen et Duan, p.154.
Sphenozamites yungjenensis Xu et Tuan 1974 1979 Xu et al., pl.LXIX, 1; 1981 Chen et Duan, p.154.
Stachyotaxus Schenk 1867
Stachyotaxus saladinii (Zeiller) Xu et Hu 1979 1979 Xu et al., pls.XLIII, 2a.
Stenopteris Saporta 1872
Stenopteris bifurcata (Xu et Chen) Xu et Chen 1979 1979 Xu et al., fig.15; pls.LXIII, 1-2a; LXX, 5, 5a ; 1981 Chen et Duan, p.154.
Strobilites Lindley et Hutton 1833
Strobilites sp. 1981 Chen et Duan, p.154.
Symopteris Xu 1979

Symopteris densinervis Xu et Duan 1979 1979 Xu et al., pls.VI/VII, 4; X, 4 6; LVIII/LIX, 6; 1981 Chen et Duan, p.153.

Symopteris sp. 1981 Chen et Duan, p.153.

Taeniopteris Brongniart 1828

Taeniopteris angustodunensis Saporta 1981 Chen et Duan, p.154.

Taeniopteris cavata Chen et Zhang 1979 1979b Chen et al. p.188.pl.III,7; 1981 Chen et Duan, p.154.

Taeniopteris cf. *leclerei* Zeiller 1903 1981 Chen et Duan, p.154.

Taeniopteris cf. *tenuinervis* Brauns 1982 Li et Wu, pls.X,3,3a ;XXII,3,2a.

Taeniopteris crispata Chen et Duan 1979 1979b Chen et al.p.188.pl.III,8,9; 1981 Chen et Duan, p.154.

Taeniopteris daochengensis Yang 1978 1978 Chen et duan,p.536.pl.165,6-7.

Taeniopteris gigantea Schenk 1867 1979 Xu et al., pl.LXVII, 5 (cf.).

Taeniopteris hongniensis Chen et Duan 1979 1979b Chen et al. p.188.pl.III,3,4,5,6; 1981 Chen et Duan, p.154.

Taeniopteris immersa Nathorst 1878 1979 Xu et al., pl.LXVI, 3 (cf.); 1981 Chen et Duan, p.154.

Taeniopteris lanceolata Ôishi 1981 Chen et Duan, p.154.

Taeniopteris leclerei Zeiller 1903 1976 Li et al., p.134.pls.39, 5, 6; 40, 7, 8; 1978 Chen et duan,p.536.pl.165,4-5 ; 1979 Xu et al., pls.LXV, 1 8; LXVI, 2; LXVII, 1 4; LXVIII, 1 3.

Taeniopteris magnifolia Rogers 1843 1979 Xu et al., pls.LXVI, 1; LXIX, 3; 1981 Chen et Duan, p.154.

Taeniopteris multiplicata Chen et Duan 1979 1979b Chen et al. p.171.pl.III,1; 1979c Chen et al. p.171.pl.III,1; 1981 Chen et Duan, p.153; 1981 Chen et Duan, p.154.

Taeniopteris nilssonoides Zeiller 1902 1978 Chen et duan,p.536.pl.163,8.

Taeniopteris pachyloma Chen et Zhang 1979 1979b Chen et al. p .189.pl.III,1,2; 1981 Chen et Duan, p.154.

Taeniopteris richthofenii (Schenk 1883) Sze 1933 1979 Xu et al., pl.LXIII, 3 ; 1986 Chen et al.p.43.pl.10,1.

Taeniopteris sp. 1979 Xu et al., pls.LXVIII, 4; LXIX, 2.

Taeniopteris sp. 1981 Chen et Duan, p.154.

Taeniopteris sp.1 1986 Chen et al.p.43.pl.10,2.

Taeniopteris sp.2 1986 Chen et al.p.43.pl.10,3.

Taeniopteris sp.3 1986 Chen et al.p.43.pl.10,4.

Taeniopteris sp.4 1986 Chen et al.p.43.pl.10,5.

Taipingchangella Yang 1978

Taipingchangella zhongguoensis Yang 1978 1978 Chen et duan,p.489.pls.172,4-6 ;170,1b-2 ;171,1.

Thaumatopteris Goeppert 1841

Thaumatopteris brauniana Popp 1863 1978 Chen et duan,p.487.pl.168,4

Thaumatopteris expansa (Kryshtofovich et Prinada 1933) Chu 1979 1979 Xu et al., fig.10; pls.XXXIV, 1-2; XXXV, 3.

Thaumatopteris fuchsii (Zeiller 1903) Oishi et Yamasita 1936 1979 Xu et al., pl.XXXIII, 1 3a.

Thaumatopteris nodosa Chu 1975 1979 Xu et al., pl.XXXIII, 4-5A.

Thaumatopteris remauryi (Zeiller 1903) Oishi et Yamasita 1936 1978 Chen et al. (b), pl.CLXXIII,

3 ; 1979 Xu et al., fig.II; pl.XXXIII, 6, 6A ; 1981 Chen et Duan, p.153.
Thaumatopteris sp. 1979 Xu et al., pl.XXXV, 4, 5.
Thaumatopteris sp. 1982 Li et Wu, pl.XIII,1B.
Thaumatopteris sp.1 1981 Chen et Duan, p.153.
Thaumatopteris sp.2 1981 Chen et Duan, p.153.
Thaumatopteris vieillardii (Pelourde 1913) Oishi et Yamasita 1936 1979 Xu et al., pls.XXXIV, 3-4A; XXXV, 1, 2.
Thaumatopteris xiangchengensis Yang 1978 1978 Chen et duan,p.487.pl.173,2.
Thaumatopteris xinlongensis Yang 1978 1978 Chen et duan,p.487.pl.177,6.
Thinnfeldia Von Ettingshausen 1852
Thinnfeldia rhomboidalis Ettingshausen 1852 1978 Chen et duan,p.499.pl.174,5 ; 1979 Xu et al., pl. XXXVIII, 1-2.
Thinnfeldia sp. 1981 Chen et Duan, p.154.
Todites Seward 1900 (emended Harris 1961)
Todites cf. *denticulatus* (Brongniart 1828) Krasser 1921 1986 Chen et al.p.39.pl.4,2.
Todites denticulatus (Brongniart 1828) Krasser 1921 1978 Chen et duan,p.477.pl.165,9 ; 1982 Li et Wu, pls.VII,4 ;XVIII,3.
Todites goeppertianus (Münster) Krasser 1982 Li et Wu, pl.II,1A.
Todites recurvatus Harris 1982 Li et Wu, pls.IV,1,1a,3?; X,2B.
Cf. *Todites shensiensis* (P'an 1936) Sze 1956 1982 Li et Wu, pl.XV,3.
Todites shensiensis (P'an 1936) Sze 1956 1978 Chen et duan,p.478.pl.163,1-2 ; 1979 Xu et al., pls.XIV; XV,1; 1981 Chen et Duan, p.153; 1986 Chen et al.pl.3,4-4a.
Todites subtilis Duan et Chen 1979 1979a Chen et al. p.59.pl.II,2,2a,3,3a; 1981 Chen et Duan, p.153.
Todites xiangxiensis Yang 1978 1978 Chen et duan,p.477.pl.163,3.
Todites yanbianensis Duan et Chen 1979 1979a Chen et al. p.58.pl.II,1,1a,1b,1c,1d; 1981 Chen et Duan, p.153.
Williamsonia sp. 9 1981 Chen et Duan, p.154.
Xinlongia Yang 1978
Xinlongia ctenopteroides Yang 1978 1978 Chen et al. (b), pl.CLXXXII, 2
Xinlongia multilineatum Yang 1978 1978 Chen et al. (b), pl.CLXXXII, 3 4
Xinlongia pterophylloides Yang 1978 1978 Chen et duan,p.516.pl.182,1.
Yungjenophyllum Xu et Chen 1974
Yungjenophyllum grandifolium Xu et Chen 1974 1979 Xu et al., pl.LXIV, 1-1b; 1981 Chen et Duan, p.154.

Yunnan (1974,75 Hsu et al., Nalajing, Yongren County, Middle—Upper Daqiaodi Formation ; 1976 Li et al., Lufeng, Ganguoshan Formation ; Xiangyun, Huaguoshan Section of Xiangyun Formation ; Yongren, Daqiaodi Formation ; Jianchuan, E'yuan and Lanping, Baijizu Formation, the 3rd Layer ; 1978 Chen et Duan, Guangtong and Yipinglang, Ganhaizi Formation)

Abropteris Li et Tsao 1976

Abropteris yongrenensis Li et Tsao 1976 1976 Li et al., p.102. pls.12, 1-3; 13, 6, 10, 11.

Angiopteris Hoffmann 1796

Angiopteris antiqua Hsü et Chen 1974 1974 Hsü et al, pl.I,1-2.

Anomozamites Schimper 1870
Anomozamites alternus Hsü et Hu 1975 1975 Hsü et al., pl.VI, 1-3.
Anomozamites cf. *minor* 1976 Li et al., p.137.
Anomozamites loczyi Schenk 1884 1976 Li et al., p.122.pl.34,2-4a.
Anomozamites pachylomus Hsü et Hu 1975 1975 Hsü et al., pls.V,7,8; VI, 4-10.
Anomozamites ptilus Hu 1975 1975 Hsü et al., pl.VI, 11,12.
Anthrophyopsis Nathorst 1878
Anthrophyopsis cf. *crassinervis* Nathorst 1878 1976 Li et al., p.127.pl.40,2-4a.
Asterotheca Presl.
Asterotheca phaenonerva Li 1976 1976 Li et al., p.96.pl.6,4-7a.
Baiera Braun 1843
Baiera elegans Oishi 1932 1976 Li et al., p.128.pl.41,1-4.
Baiera sp. 1976 Li et al., p.128.pl.41,5,5a .
Bernoullia Heer 1877
Bernoullia zeilleri P'an 1936 1976 Li et al., p.97.pl.4,6,7.
Carpolithus Brongniart 1822
Carpolithus sp. 1976 Li et al., p.114.pls.29,1,2 ,3,4 ; 1983 Duan et al., p.58.
Carpolithus spp. 1976 Li et al., p.135.pls.43,8 ;44,8,9.
Cladophlebis Brongniart 1849
Cladophlebis calcariformis Chu 1975 1975 Hsü et al., pl.II, 1-3.
Cladophlebis foliolata Li 1976 1976 Li et al., p.137.
Cladophlebis grabauiana 1976 Li et al., p.137.
Cladophlebis imbricata Chu 1975 1975 Hsü et al., pl.II,4,5.
Cladophlebis raciborskii Zeiller 1903 1976 Li et al., p.113.pls.27,6,6a ;28,3-5.
Cladophlebis sp. 1976 Li et al., p.137.
Cladophlebis yungjenensis Chu 1975 1975 Hsü et al., pl.I,4-6.
Clathropteris Brongniart 1828
Clathropteris meniscioides Brongniart 1828 1976 Li et al., p.108.pl.19,4.
Clathropteris mongugaica Srebrodol'skaya 1961 1976 Li et al., p.109.pls.18,7-8a ; 19,6,6a ;20,4 ; 21,2-5
Clathropteris obovata Oishi 1932 1976 Li et al., p.109.pl.19,5.
Clathropteris platyphylla (Goepfert 1842) Brongniart 1849 1976 Li et al., p.110.pls.19,1-3 ; 20,1-3 ;21,1 ;22,3
Clathropteris sp. 1976 Li et al., p.111.pl.22,1-2a.
Clathropteris tenuinervis Wu 1976 1976 Li et al., p.110.pl.22,4-6,7B ;24,7 ; 1983 Duan et al., p.56.
Ctenis Williamson ex Lingdley et Hutton 1834
Ctenis multinervis Chen 1975 1975 Hsü et al., pl.III,1,2.
Ctenis sp. 1976 Li et al., p.128.pl.41,12.
Ctenis yungjenensis Chen 1975 1975 Hsü et al., pl.III,3,4.
Ctenopteris Brongniart ex Saporta 1873
Ctenopteris chinensis 1975 Hsü et al., p.75.
Ctenozamites Nathorst 1886
Ctenozamites sarranii (Zeiller 1903) Harris 1964 1976 Li et al., p.126.pl.40,5,6.

Ctenozamites sp. 1976 Li et al., p.126.pl.45,6,6a.
Cycadocarpidium Nathorst 1886
Cycadocarpidium sp. 1976 Li et al., p.132.pl.41,13,13a.
Danaeopsis Presl 1845
Danaeopsis fecunda Halle 1921 1976 Li et al., p.94.pls.4, 1-5; 22, 7A.
Danaeopsis fecunda Halle 1921 1978 Chen et duan,p.474.pl.159,2-3.
Dictyophyllum Lindley et Hutton 1834
Dictyophyllum nathorstii 1976 Li et al., p.137.
Dictyophyllum sp.1 1976 Li et al., p.108.pl.24, 5.
Drepanozamites Harris 1932
Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1976 Li et al., p.127.pl.41, 7 ; 1983 Duan et al., p.57.
Equisetites Sternberg 1833
Equisetites sp.1 1976 Li et al., p.92.pls.3, 5;46,5.
Equisetites sp.2 1976 Li et al., p.92.pl.2,4,8,8a.
Equisetites sp.4 1976 Li et al., p.92.pl.1,10,10a.
Equisetites takahashii Kon'no 1962 1976 Li et al., p.91.pl.2, 1-3 (cf.).
Equisetostachys Nathorst 1878
Equisetostachys sp. 1976 Li et al., p.93.pl.2, 10,10a.
Ferganiella Prinada 1936
Ferganiella paucinervis Li 1976 1976 Li et al., p.129.pl.42, 1a, 5.
Ferganiella podozamioides Li 1976 Li et al., p.130.pls.42, 2-4; 43, 7; 1983 Duan et al., p.57.
Ferganiella sp.1976 Li et al.,p.130. pl.42, 9.
Gleichenites Goepfert 1836
Gleichenites yipinglangensis Li et Tsao 1976 1976 Li et al., p.104.pls.15, 3-7; 16; 17; 18, 1-6a; 46,6,6a.
Goepfertella Oishi et Yamasita 1936
Goepfertella kwangyuanensis Lee 1964 1976 Li et al., p.107.pl.24,4,4a.
Goepfertella memoria-watanabei Ôishi et Huzioka 1921 1976 Li et al.,p.106. pl.24, 1-3.
Hyrcaopteris Kryshstofovich et Prinada 1933
Hyrcaopteris sevanensis Kryshstofovich et Prinada 1933 1976 Li et al., p.116.pls.29, 7-12; 45, 2;
Lobatannulariopsis Yang 1978
Lobatannulariopsis yunnanensis Yang 1978 1978 Chen et Duan, pl.158,6.
Lüreticopteris Hsü et C. N. Chu 1974
Lüreticopteris megaphylla Hsü et C. N. Chu 1974 1974 Hsü et al., pls.II,5-11;III,2-3.
Marattia Swartz 1788
Marattia asiatica (Kawasaki 1939) Harris 1961 1976 Li et al.,p.95. pl.4, 8-11, 13.
Marattia paucicostata Li et Tsao 1976 1976 Li et al., p.95.pls.4, 12; 5; 6, 1-3.
Mixopteris Hsü et C. N. Chu 1974
Mixopteris intercalaris Hsü et C. N. Chu 1974 1974 Hsü et al., pl.III,4-7.
Neocalamites Halle 1908
Neocalamites sp.1 1976 Li et al., p.93.pls.3, 1.
Neocalamites sp.2 1976 Li et al., p.94.pl.3,2.
Nilssoniopteris Nathorst 1909

Nilssoniopteris immersa (Nathorst 1886) Florin 1933 1976 Li et al., p.123.pl.39, 1, 2.

Nilssoniopteris jourdyi (Zeiller 1902) Florin 1933 1976 Li et al., p.124.pls.36, 2, 3; 37, 4-6; 38, 1, 2, 5-10a; 39, 3-4a.

Otozamites Braun 1843

Otozamites megaphyllus Hsü et Tuan 1974 1974 Hsü et al., pl.VI,2-3.

Otozamites recurvus Hsü et Tuan 1974 1974 Hsü et al., pl.VI,4-5.

Otozamites sp.1 1976 Li et al., p.123.pl.37, 8-9a.

Otozamites sp.2 1976 Li et al., p.123.pl.37, 7.

Pachypteris Brongniart 1828

Pachypteris chinensis Hsü et Hu 1974 1974 Hsü et al., pl.IV,1-2.

Pachypteris yungjenensis Hsü et Hu 1974 1974 Hsü et al., pls.IV,3-6;V,1-4.

Pecopteris (Brongniart 1822) Brongniart 1825

Pecopteris callipteroides Hsü et C. N. Chu 1974 1974 Hsü et al., pl.I,5-6.

Pecopteris sp. 1976 Li et al., p.137.

Phlebopteris Brongniart 1837

Phlebopteris xiangyunensis Li et Tsao 1974 1976 Li et al., p.103.pls.13, 1, 2, 5, 7-9; 14, 1-7; 15, 1, 2.

Pityophyllum (Nathorst 1897) Seward 1919

Pityophyllum longifolium (Nathorst 1878) Moeller 1903 1976 Li et al., p.133.pls.42, 1b (cf.); 44, 1-4 (cf.)

Podozamites Braun 1843

Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 1976 Li et al., p.130.pls.42, 6-8 (ex gr.); 43, 1-3 (ex gr.); 44, 6(ex gr.)

Podozamites schenkii Heer 1876 1976 Li et al., p.131.pl.44, 7 ; 1983 Duan et al., p.57.

Podozamites spp. 1976 Li et al., p.132.pls.42, 10,11,12; 43, 5,6(?).

Podozamites subovalis Li 1976 1976 Li et al., p.131.pls.43, 4(?); 44, 5(?).

Pseudoctenis Seward 1911

Pseudoctenis gigantea Hsü et Chen 1975 1975 Hsü et al., pl.IV.

Pterophyllum Brongniart 1825

Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1976 Li et al., p.118.pl.33, 8-10.

Pterophyllum exhibens 1976 Li et al., p.137.

Pterophyllum magnificum Li 1976 1976 Li et al., p.137.

Pterophyllum minutum Li et Tsao 1976 1976 Li et al., p.121.pls.13, 4; 32, 1-10.

Pterophyllum ptilum Harris 1932 1976 Li et al., p.120.pl.32, 11, 12.

Pterophyllum schenki Zeiller 1903 1976 Li et al., p.121.pl.33, 11, 12.

Pterophyllum sinense Lee 1964 1976 Li et al., p.120.pls.33, 4-7; 34, 1, 1a.

Pterophyllum yunnanense Hu 1975 1975 Hsü et al., pl.V,5,6.

Ptilozamites Nathorst 1878

Ptilozamites chinensis Xu 1950 1976 Li et al., p.115.pl.31, 1-4.

Ptilozamites nilssoni Nathorst 1878 1976 Li et al.,p.115. pl.31, 5-8a.

Radicites Potonié 1893

Radicites sp. 1976 Li et al., p.136.pl.45, 1.

Reteophlebis Li et Tsao 1976

Reteophlebis simplex Li et Tsao 1976 1976 Li et al.,p.102. pls.10, 3-8; 11;12, 4-5a.

Rireticopteris Hsü et C. N. Chu 1974
Rireticopteris microphylla Hsü et C. N. Chu 1974 1974 Hsü et al., pls.I,7-9; II,1-4; III,1.
Sagenopteris Presl 1838
Sagenopteris glossopteroides Hsü et Tuan 1974 1974 Hsü et al., pl.V,5.
Sagenopteris stenofolia Hsü et Tuan 1974 1974 Hsü et al., pl.VI,1.
Selaginella Spring
Selaginella yunnanensis (Hsü) Hsü 1983 Duan et al., p.55.
Sinoctenis Sze 1931
Sinoctenis calophylla Wu et Li 1968 1976 Li et al.,p.125. pls.35, 1,2; 47, 1-8 ; 1983 Duan et al., p.57.
Sinoctenis sp. 1976 Li et al., p.126.pl.35, 3,3a.
Sinoctenis yunnanensis Li 1976 1976 Li et al., p.125.pls.36, 1, 4; 37, 1-3; 1983 Duan et al., p.57.
Speirocarpites Yang 1978
Speirocarpites dukouensis Yang 1978 1978 Chen et duan,p.480.pl.164,1-2.
Sphenobaiera Florin 1936
Sphenobaiera bifurcata Hsü et Tuan 1974 1974 Hsü et al., pl.VII,2-5.
Sphenozamites (Brongniart 1849) Miquel 1851
Sphenozamites yungjenensis Hsü et Tuan 1974 1974 Hsü et al., pl.VII,1.
Taeniopteris Brongniart 1828
Taeniopteris leclerei Zeiller 1963 Sze et Lee, pl.70,9,9a.
Taeniopteris sp. 1976 Li et al., p.135.pls.39, 7, 8; 40, 1; 46, 12.
Taeniopteris stenophylla Kryshstofovich 1910 1976 Li et al., p.134.pl.39, 9, 9a (cf.) ; 1983 Duan et al., p.58.
Thaumatopteris Goepfert 1841
Thaumatopteris contracta Li et Tsao 1976 1976 Li et al., p.105.pls.25; 26, 1-2;27, 1-2a.
Thaumatopteris nodosa Chu 1975 1975 Hsü et al., pl.I,1-3.
Thaumatopteris remauryi (Zeiller 1903) Oishi et Yamasita 1936 1976 Li et al., p.106.pls.26,3-6; 27, 3-4
Todites Seward 1900
Todites goepfertianus (Muenster 1846) Krasser 1922 1976 Li et al., p.98.pl.10, 1-2a
Todites microphylla (Fontaine) Li 1976 1976 Li et al., p.100.pl.9, 1, 2.
Todites scoresbyensis Harris 1931 1976 Li et al., p.97. pls.7 ;8,5-7; 9, 5;13, 3.
Todites shensiensis (P'an 1936) Sze 1956 1976 Li et al., p.99,100.pls.8, 1-4a;9,3-4a.
Yungjenophyllum Hsü et Chen 1974
Yungjenophyllum grandifolium Hsü et Chen 1974 1974 Hsü et al., pl.VIII.

Guangdong (1963 Sze et Lee, Xiaoping County and Hua County, Xiaoping Fomation ; 1963 Zhou, Hualing, Hua County ; Mei County ; Shima, Guangzhou City ; Xiaoshui, Lechang County ; Gaoming County ; Wuhua County ; Heyuan County ; 1977 Feng et al., Xiaoping, Guangzhou City; Hualing, Hua County; Gaoming County; Tianmen'ao, Niugudun and Hongweikeng, Qujiang County; Xiaoshui, Guanchun, Luojiashang, Gouyadong and Guanxi, Lechang County; Lianping County; Yingde County; Heyuan County; Wuhua County; Huiyang County, Xiaoping Formation; 1993 Wang, Guanchun and Ankou, Lechang County; Hongweikeng, Qujiang County, Genkou Group; 1965 Tso, Songbaikeng, Gaoming County, Xiaoping Formation; 1991a Wang and 1991b

Wang, 1th Coal Field and some other Coal Fields of Pingshi, Lechang County)

Annulariopsis Zeiller 1902

Annulariopsis sinensis (Ngo) 1963 Sze et Lee, pls.X,5,6 ;11,10.

Annulariopsis sinensis (Ngo) 1977 Feng et al., p.199.pl.72,8.

Annulariopsis sp. 1993 Wang. p.5.pl.I,1.

Anomozamites Schimper 1870

Anomozamites cf. *gracilis* Nathorst 1977 Feng et al., pl.84,2.

Anomozamites chaoi (Sze) comb.nov. 1993 Wang. p.34.pl.XVI,1,1a,6 ;XXXVIII,1-5.

Anomozamites major Brongniart 1965 Tsao, p.511.

Anomozamites minor (Brongniart 1824) Nathorst 1878 1963 Zhou, pl.75,2 ; 1977 Feng et al., pl.83,4.

Anomozamites sp.1 1993 Wang. p.35.pl.XIV,22 ;XXXVI,6-8.

Anomozamites sp.2 1993 Wang. p.36.pl.XIV,6 ;XV,3.

Anomozamites sp.3 1993 Wang. p.36.pl.XIV,10.

Anthrophyopsis Nathorst 1878

Anthrophyopsis crassinervis Nathorst 1878 1977 Feng et al., pl.90,4 ; 1993 Wang. p.42.pl.XV,9; XXXVIII, 6-8;XXXIX,1.

Anthrophyopsis tuberculata Chow et Yao 1968 1977 Feng et al., pl.90,3 ; 1993 Wang. p.43.pl.XV,2; XXXIX,3,4.

Anthrophyopsis venulosa Chow et Yao 1968 1977 Feng et al., pl.90,5-6 ; 1993 Wang. p.43.pl.XIX,11; XXXIX,2.

Baiera Braun 1843

Baiera cf. *Baiera minuta* Nathorst 1993 Wang. p.49.pl.XXI,3,7 ;XLII,5-8.

Baiera multipartita Sze et Lee 1952 1977 Feng et al., pl.94,12 ; 1993 Wang. p.50.pl.XX,5 ;XLII,1-4.

Baiera sp.1 1993 Wang. p.50.pl.XXI,8,11.

Baiera sp.2 1993 Wang. p.51.pl.XXI,4.

Carpolithus Wallerius 1747

Carpolithus sp.1 1993 Wang. p.57.pl.XXIII,13.

Carpolithus sp.2 1993 Wang. p.57.pl.XXIII,14.

Carpolithus sp.3 1993 Wang. p.57.pl.XXIII,24.

Carpolithus sp.4 1993 Wang. p.58.pl.XXIII,18.

Carpolithus sp.5 1993 Wang. p.58.pl.XXIII,15.

Carpolitheus sp.6 1993 Wang. p.58.pl.XXIII,19.

Chiropteris Kurr 1858

Chiropteris ginkgoformis Liu ex Feng et al.1977 1977 Feng et al., pl.78,5.

Cladophlebis Brongniart 1849

Cladophlebis denticulata (Brongniart) Krasser 1993 Wang. p.10.pl.III,2 ;IV,7.

Cladophlebis goeppertianus (Münster) Krasser 1965 Tsao, pl.I,6,6a.

Cladophlebis haiburnensis (Lindley et Hutton) 1963 Zhou, pl.72,1.

Cladophlebis raciborskii Zeiller 1903 1993 Wang. p.11.pl.III,3,3a.

Cladophlebis sp.1 1993 Wang. p.11.pl.II,11.

Cladophlebis sp.2 1993 Wang. p.12.pl.III,7 ;IV,6 ;V,13.

Cladophlebis sp.3 1993 Wang. p.12.pl.II,7 ;IV,1.

Cladophlebis sp.4 1993 Wang. p.12.pl.IV,2,2a.
Cladophlebis sp.5 1993 Wang. p.12.pl.IV,4.
Cladophlebis sp.6 1993 Wang. p.13.pl.IV,8,8a,8b.
Cladophlebis sp.7 1993 Wang. p.13.pl.III,4.
Cladophlebis sp.8 1993 Wang. p.13.pl.V,1.
Cladophlebis vulgarta Zhou et Zhang 1993 Wang. p.11.pl.III,6,6a,6b.
Clathropteris Brongniart 1828
Clathropteris cf. *Clathropteris tenuinervis* Wu 1993 Wang. p.10.pl.II,3.
Clathropteris meniscioides Brongniart 1828 1963 Zhou, pl.72,3,4 ; 1965 Tsao, p.510 ; 1977 Feng et al., pl.79,4; 1993 Wang. p.9.pl.II,4,5.
Clathropteris mongugaica Srebrodol'skaya 1961 1977 Feng et al., pl.79,5-6; 1993 Wang. p.10.pl.III,1.
Clathropteris platyphylla (Goepfert) 1977 Feng et al., pl.79,1; 1993 Wang. p.9.pl.II,8,9.
Ctenis Williamson ex Lingdley et Hutton 1834
Ctenis chaoi Sze 1933 1963 Zhou, pl.75,3 ; 1965 Tsao, p.511 ; 1977 Feng et al., pl.89,6-7 ;79.
Ctenis gracilis Tsao 1965 1965 Tsao, pl.VI,7,7 ; 1977 Feng et al., pl.89,5;80.
Ctenis sp. 1965 Tsao, p.511 .
Ctenozamites Nathorst 1886
Ctenozamites cf. *Ctenozamites ptilozamioides* Zhou 1993 Wang. p.17.pl.VI,6.
Ctenozamites guangdongensis Feng 1977 1977 Feng et al., pl.91,2.
Ctenozamites lechangensis Wang 1993 1993 Wang. p.16.pl.V,8,12 ;XXI,6-8 ;XXV,1,2.
Ctenozamites rigida Liu ex Feng et al. 1977 1977 Feng et al., pl.90,1-2.
Ctenozamites sarranii Zeiller 1977 Feng et al., pl.91,1.
Cycadocarpidium Nathorst 1886
Cycadocarpidium erdmannii Nathorst 1886 1977 Feng et al., pl.97,9; 1993 Wang. p.53.pl.XXIII,6,6a,7,7a.
Cycadocarpidium sp. 1993 Wang. p.53.pl.XXIII,4.
Cycadolepis Saporta emend. Harris 1953
Cycadolepis corrugata Zeiller 1993 Wang. p.38.pl.XIV,5,7,13,15 ;XXXVII,5,6.
Cycadolepis rugosa Johansson 1993 Wang. p.38.pl.XIV,12,14 ;XXXVII,7,8.
Cycadolepis sp. 1993 Wang. p.39.pl.XIV,2,11.
Cycadolepis tomentosa Sze 1993 Wang. p.39.pl.XIV,4,8,9 ;XXXVII,3,4.
Danaeopsis Presl 1845
Danaeopsis fecunda Halle 1921 1963 Zhou, pl.71,1-2 ; 1965 Tsao, p.510 ; 1977 Feng et al., pl.72,1-3.
Deltolepis Harris 1942
Deltolepis sp.1 1993 Wang. p.47.pl.XIX,7.
Deltolepis sp.2 1993 Wang. p.47.pl.XIX,6.
Desmiophyllum (Lesquereux) Solms-Laubach 1904
Desmiophyllum sp.1 1993 Wang. p.59.pl.XXI,19.
Desmiophyllum sp.2 1993 Wang. p.60.pl.XXI,12-14,17 ;XLIII,7,8.
Desmiophyllum sp.3 1993 Wang. p.60.pl.XXI,18.
Desmiophyllum sp.4 1993 Wang. p.60.pl.XXI,16,20.
Desmiophyllum sp.5 1993 Wang. p.61.pl.XXII,1B.

Dictyophyllum Lindley et Hutton 1834
Dictyophyllum nathorstii Zeiller 1903 1963 Zhou, pl.72,2 ; 1965 Tsao, p.510 ; 1977 Feng et al., pl.79, 2, 6 ; 1993 Wang. p.9.pl.II,1.
Dictyophyllum sp. 1977 Feng et al., pl.83, 5.
Dictyozamites (Oldham 1862) Medlicott et Blanford 1879
Dictyozamites hunanensis Wu 1977 Feng et al., pl.92, 6-7.
Doratophyllum Harris 1932
Doratophyllum astartensis Harris 1932 1977 Feng et al., pl.89, 8-9 (cf.).
Doratophyllum hsüchiahoense Li 1964 1977 Feng et al., pl.88, 6(?) ; 1993 Wang. p.46.pl.XVI,2,4.
Drepanozamites Harris 1932
Drepanozamites minor Liu ex Feng et al.1977 1977 Feng et al., pl.94, 3-4.
Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1977 Feng et al., pl.94, 2 ; 1993 Wang. p.45.pl.XVII,6 ;XVIII,2; XIX,8, 10; XXXIX,5-8 ;XL,1-3.
Elatocladus Halle 1913
Elatocladus sp. 1993 Wang. p.56.pl.XXIII,9.
Equisetites Sternberg 1833
Equisetites kaomingensis Tsao 1965 Tsao, pls.I,1-3 ;IV,5 ; 1977 Feng et al., pl.70,5-8.
Equisetites lechangensis Wang 1993 1993 Wang. p.5.pl.I,2,4.
Equisetites sarrani (Zeiller) Harris 1963 Zhou, pl.71,4 ; 1977 Feng et al., pl.70,3-4.
Equisetites sp. 1965 Tsao, p.510.
Ferganiella Prynada ex Neuburg 1936
Ferganiella paucinervis Li 1993 Wang. p.55.pl.XXIII,8.
Ferganiella sp. 1993 Wang. p.56.pl.XXIII,1.
Ginkgoites Seward 1919 emend. Florin 1936
Ginkgoites cf. *Ginkgoites xinlongensis* Yang 1993 Wang. p.48.pl.XX,2,3,7,9 ;XXI,1.
Ginkgoites sp.1 1963 Sze et Lee, pl.74,5.
Ginkgoites sp.1 1993 Wang. p.48.pl.XX,6.
Ginkgoites sp.2 1993 Wang. p.48.pl.XX,4,8 ;XXI,6 ;XLI,3-8.
Gleichenites Goeppert 1836
Gleichenites sp. 1965 Tsao, pl.III,9-12,12a.
Gleichenites yipinglangensis Li et Tsao 1976 1977 Feng et al., pl.74, 8-9.
Glossophyllum Krausel 1943
Glossophyllum shensiensis Sze 1993 Wang. p.52.pl.XXI,15,21.
Glossophyllum sp. 1993 Wang. p.53.pl.XXII,9.
Glossophyllum zeilleri (Seward) Sze 1993 Wang. p.53.pl.XXI,5.
Goepertella Oishi et Yamasita 1936
Goepertella microloba (Schenk 1867) Oishi et Yamasita 1936 1977 Feng et al., pl.80, 1.
Goepertella sp. 1963 Sze et Lee, pl.29,4.
Hyrcaopteris Kryshstofovich et Prinada 1933
Hyrcaopteris sp. 1977 Feng et al., pl.80, 4.
Lepidopteris Schimper 1869
Lepidopteris ottonis (Goeppert 1836) Schimper 1869 1977 Feng et al., pl.80, 2-3.
Marattiopsis Schimper 1869
Marattiopsis muensteri (Goeppert) Schimper 1963 Zhou, pl.71,3.

Neocalamites Halle 1908
Neocalamites carrerei (Zeiller) 1963 Sze et Lee, pl.VII,1;VIII,1;XIII,4; 1965 Tsao, p.510 ; 1977 Feng et al., pl.71,8-9 ; 1963 Zhou, pl.71,5.
Neocalamites hoerensis (Schimper) Halle 1993 Wang. p.6.pl.I,7.
Neocalamites sp. 1993 Wang. p.6.pl.I,3.
Nilssonia Brongniart 1825
Nilssonia cf. *Nilssonia brevis* Brongniart 1993 Wang. p.40.pl.XVII,5,5a.
Nilssonia cf. *Nilssonia compta* (Phillips) Braun 1993 Wang. p.40.pl.XV,1 ;XVII,2.
Nilssonia cf. *Nilssonia syllis* Harris 1993 Wang. p.41.pl.XVI,3.
Nilssonia furcata Chow et Yao 1968 1977 Feng et al., pl.88, 1.
Nilssonia lechangensis Feng 1977 1977 Feng et al., pl.88, 3-4.
Nilssonia polymorpha Schenk 1867 1963 Zhou, pl.75,1(cf.) ; 1977 Feng et al., pl.89, 4; 1993 Wang. p.40.pl.XVII,3 ;XVIII,1.
Nilssonia pterophylloides Nathorst 1993 Wang. p.41.pl.XVII,7 ;XVIII,6.
Nilssonia sp. 1965 Tsao, p.511 ; 1993 Wang. p.42.pl.XVIII,3,5 ;XL,4-8 ;XLI,1,2.
Nilssoniopteris jourdyi (Zeiller) Florin 1993 Wang. p.36.pl.XIX,2,9.
Nilssoniopteris Nathorst 1909
Nilssoniopteris sp. 1993 Wang. p.36.pl.XIV,16 ;XV,6-8 ;XXXVII,1,2.
Osmundopsis Harris 1931
Osmundopsis plectrophora Harris 1931 1977 Feng et al., pl.75, 8.
Otozamites Braun 1843
Otozamites bechei (Brongniart 1828) Brongniart 1849 1963 Zhou, pl.74,3 ; 1977 Feng et al., pl.83, 9.
Otozamites indosinensis Zeiller 1903 1977 Feng et al., pl.83, 2-3.
Otozamites sp. 1993 Wang. p.33.pl.XIV,18,19 ;XXXVI,4,5.
Pachypteris Brongniart 1828
Pachypteris lepingensis Yao 1968 1977 Feng et al., pl.81, 3-4.
Phlebopteris Brongniart 1837
Phlebopteris Brongniart 1837
Phlebopteris angustiloba (Presl 1838) Hirmer et Hoerhammer 1936 1965 Tsao, p.510 ; 1977 Feng et al.,pl.78, 1 ; 1963 Zhou, pl.73,1.
Pityophyllum Nathorst 1899
Pityophyllum sp. 1993 Wang. p.56.pl.XXIII,12.
Podozamites Braun 1843
Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 fa. Ovalis Heer 1876 1963 Zhou, pl.73,2 ; 1965 Tsao, p.511 ;1977 Feng et al., pl.98,5 ; 1993 Wang. p.54.pl.XXII,3,5,8 ;XXII,2.
Podozamites schenkii Heer 1876 1965 Tsao, p.511 ; 1977 Feng et al., pl.98, 5 ; 1993 Wang. p.54.pl.XXII,7.
Podozamites sp.1 1993 Wang. p.54.pl.XXII,4,6,10.
Podozamites sp.2 1993 Wang. p.54.pl.XX,1.
Podozamites sp.3 1993 Wang. p.54.pl.XXII,1C ;XXIII,3.
Podozamites sp.4 1993 Wang. p.54.pl.XXIII,5,5a.
Protoblechnum Lesquereux 1880
Protoblechnum hughesi (Feistmantelantel 1882) Halle 1927 1963 Sze et Lee, pl.48,1; 1965 Tsao,

p.511 ; 1977 Feng et al., pl.L81, 2(?).
Protophyllocladoxylon Kräusel 1939
Protophyllocladoxylon lechangense Wang 1993 1993 Wang. p.61.pl.XLIV.1-7.
Protophyllocladoxylon szei Wang 1991 1991b Wang, pl.I,1-8.(Lower Genkou Group)
Pseudoctenis Seward 1911
Pseudoctenis hechuanensis Chen et Duan 1993 Wang. p.44.pl.XVII,1.
Pterophyllum Brongniart 1825
Pterophyllum aequale (Brongniart) Nathorst 1963 Zhou, pl.74,1 ; 1993 Wang. p.19.pl.VII,2,6; IX,6; XXVI,5-8.
Pterophyllum angustum (Braun 1843) Gothan 1914 1977 Feng et al., pl.82, 8; 1993 Wang. p.19. pl.IX,8 ;XIII,2.
Pterophyllum bavieri Zeiller 1903 1965 Tsao, p.511 ; 1977 Feng et al., pl.82, 10 ; 1993 Wang. p.19.pl.VI,1,4 ;XXVII,1-3.
Pterophyllum cf. *Pterophyllum minutum* Li et Tsao 1993 Wang. p.23.pl.IX,7 ;X,7 ;XXXII,1-3.
Pterophyllum decurrens Sze 1993 Wang. p.20.pl.VI,3,5 ;XXVII,4-7.
Pterophyllum exhibens Lee 1964 1977 Feng et al., pl.84, 7 ; 1993 Wang. p.20.pl.VI,8 ; XXVII,8 ; XXVII, 1,2.
Pterophyllum falcatum Liu 1977 1977 Feng et al., pl.83, 6.
Pterophyllum jaegeri Brongniart 1828 1977 Feng et al., pl.82, 7.
Pterophyllum jiangxiense (Yao et Lih) 1993 Wang. p.21.pl.XII,3 ;XIII,5,7 ;XXXV,6-8.
Pterophyllum lechangense Wang 1993 1993 Wang. p.21.pl.IX,3,4,9,10 ;X,4 ;XXX,2-4.
Pterophyllum magnificum YDS 1993 Wang. p.22.p l.VI III,4,5 ;X,6.
Pterophyllum minor Wang 1993 1993 Wang. p.23.pl.X,2,8 ;XII,5B ;XXX,8 ;XXXI,1,2.
Pterophyllum multilineatum Shirley 1993 Wang. p.24.pl.VI,7 ;VII,1,5.
Pterophyllum pinnatifidum Harris 1932 1977 Feng et al., pL82, 3.
Pterophyllum ptilum Harris 1932 1963 Zhou, pl.76,2 ; 1977 Feng et al., pl.LXXXII, 5-6 ; 1993 Wang. p.25.pl.XI,3 ;XXXII,4-6.
Pterophyllum schenki Zeiller 1965 Tsao, p.511.
Pterophyllum sinense Lee 1964 1977 Feng et al., pl.82, 4 ; 1993 Wang. p.25.pl.VII,4 ;XI,1 ;XXIX,5-7.
Pterophyllum sp.1 1993 Wang. p.27.pl.VIII,2 ;XXIX,8-10 ;XXX,1.
Pterophyllum sp.2 1993 Wang. p.28.pl.IX,1,2,5 ;X,1,3 ;XXX,5-7.
Pterophyllum sp.3 1993 Wang. p.28.pl.X,5 ;XIII,9 ;XXXI,3-5.
Pterophyllum sp.4 1993 Wang. p.29.pl.XI,2 ;XXXI,6-8.
Pterophyllum sp.5 1993 Wang. p.29.pl.XI,4,5 ;XXXII,7,8.
Pterophyllum subaequale Hartz 1896 1965 Tsao, p.511 ; 1977 Feng et al., pl.82, 9.
Pterophyllum xinanense Yang 1993 Wang. p.26.pl.VII,8,9 ;VIII,1,7 ;XXVIII,6-8.
Pterophyllum xiphida (Ye et Huang) 1993 Wang. p.26.pl.VI,2 ;VIII,3 ;XXIX,1-4.
Ptilophyllum Morris 1840
Ptilophyllum acutifolium Morris 1993 Wang. p.31.pl.XI,8 ;XII,4,6-8,10 ;XIII,1 ;XXXIV,3-6.
Ptilophyllum lechangense Wang 1993 1993 Wang. p.32.pl.XIII,4,8 ;XXXV,2-5.
Ptilophyllum sp. 1993 Wang. p.33.pl.XII,1,5a ;XXXIV,7,8 ;XXXV,1 .
Ptilozamites Nathorst 1878
Ptilozamites chinensis Xu 1950 1963 Sze et Lee, pls.48,2;49,3;72; 1963 Zhou, pl.74,2 ; 1965 Tsao,

p.511 ; 1977 Feng et al., pl.81, 8-9 ; 1993 Wang. p.14.pl.V,5,7 ; XXV,3-8.
Ptilozamites lechangensis Wang 1993 1993 Wang. p.15.pl.V,2,9 ;XXIV,1-5.
Ptilozamites nilssoni Nathorst 1965 Tsao, p.511 .
Ptilozamites sp. 1965 Tsao, p.511.
Ptilozamites tenuis Ôishi 1932 1977 Feng et al., pl.81, 5.
Ptilozamites xiaoshuiensis Feng 1977 1977 Feng et al., pl.81, 1.
Sagenopteris Presl 1838
Sagenopteris sp. 1977 Feng et al., pl.98, 12.
Schizolepis Braun 1847 emend. Chow 1963
Schizolepis sp. 1993 Wang. p.57.pl.XXIII,17.
Scoresbya Harris 1932
Scoresbya dentata Harris 1932 1977 Feng et al., pl.94, 11 (cf.).
Sinoctenis Sze 1931
Sinoctenis calophylla Wu et Li 1968 1977 Feng et al., pl.93, 2-4 ; 1993 Wang. p.37.pl.XIII,10 ; XIV,20,21 ; XXXVI,1-3 ; 1993 Wang. p.37.pl.XIII,10 ; XIV,20,21 ; XXXVI,1-3.
Sinoctenis macrophylla Liu ex Feng et al. 1977 1977 Feng et al., pl.93, 5.
Sinoctenis yunnanensis Li 1993 Wang. p.37.pl.XII,9 ;XIII,3 ;XV,4,5.
Sphenobaiera Florin 1936
Sphenobaiera cf. *Sphenobaiera spectabilis* (Nathorst) Florin 1993 Wang. p.52.pl.XXI,10,10a .
Sphenobaiera huangii (Sze) Hsü 1993 Wang. p.51.pl.XXI,9 ;XLIII,1-5.
Sphenozamites (Brongniart 1849) Miquel 1851
Sphenozamites hunanensis Chow 1968 1977 Feng et al., pl.92, 4-5.
Sphenozamites sp. 1993 Wang. p.47.pl.XIX,7.
Stachyotaxus Nathorst 1886
Stachyotaxus elegans Nathorst 1993 Wang. p.56.pl.XXIII,10,11.
Strobilites Lindley et Hutton 1833
Strobilites sp. 1993 Wang. p.57.pl.XXIII,22.
Taeniopteris Brongniart 1828
Taeniopteris jourdyi Zeiller 1902 1977 Feng et al., pl.99, 5.
Taeniopteris leclerei Zeiller 1903 1963 Zhou, pl.76,3 ; 1977 Feng et al., pl.99, 3 ; 1963 Sze et Lee, pl.70,9,9a.
Taeniopteris sp. 1963 Sze et Lee, pl.70,3,4.
Taeniopteris sp.1 1993 Wang. p.58.pl.XVI,5,5a,7 ;XLIII,6.
Taeniopteris sp.2 1993 Wang. p.59.pl.XVIII,4 ;XIX,1,1a,1b.
Taeniopteris sp.3 1993 Wang. p.59.pl.XIX,5.
Taeniopteris sp.4 1993 Wang. p.59.pl.XIX,4.
Thaumatopteris Goeppert 1841
Thaumatopteris cf. *brauniana* Popp 1965 Tsao, pl.III,6.
Thaumatopteris contracta Li et Tsao 1993 Wang. p.8.pl.II,2,2a.
Thaumatopteris dunkeri (Nathorst 1878) Ôishi et Yamasita 1936 1977 Feng et al., pl.77, 6.
Thaumatopteris lianpingensis Liu ex Feng et al.1979 1977 Feng et al., pl.77, 1.
Thaumatopteris remauryi (Zeiller) Ôishi et Yamasita 1993 Wang. p.8.pl.II,6,10.
Thinnfeldia Von Ettingshausen 1852
Thinnfeldia alethopteroides Sze 1956 1977 Feng et al., pl.84, 6.

Thinnfeldia laxa Sze 1956 Compare *T. latus* Sze 1956. See Dijkstra (1965:3461) 1977 Feng et al., pl.L81, 6.

Thinnfeldia rigida Sze 1993 Wang. p.14.pl.V,4,6,10,10a ;XXVI,1-4.

Thinnfeldia sp. 1963 Zhou, pl.76,1.

Thinnfeldia sp. 1965 Tsao, p.511.

Thinnfeldia xiaoshuiensis Feng 1977 1977 Feng et al., pl.91, 5-6.

Todites Seward 1900

Todites denticulatus (Brongniart 1828) Krasser 1921 1977 Feng et al., pl.74, 6.

Todites goeppertianus (Muenster 1846) Krasser 1922 1977 Feng et al., pl.73, 6; 1993 Wang. p.7.pl.I,6,6a,9,9a.

Todites scoresbyensis Harris 1993 Wang. p.7.pl.III,5 ;IV,3,3a,5.

Todites shensiensis (P'an 1936) Sze 1956 1977 Feng et al., pl.73, 8; 1993 Wang. p.6.pl.I,8,8a,11,11a.

Tyrmia Prynada 1956

Tyrmia furcata (Chow et Tsao) comb.nov. Wang 1993 1993 Wang. p.30.pl.XII,2 ;XIII,6,6a ;XIV,1,1a ; XXXIII,5-8 ; XXXIV,1,2.

Tyrmia sp.1 1993 Wang. p.31.pl.XI,6,7 ;XXXIII,1-4.

Vardekloeftia Harris 1932

Vardekloeftia sulcata Harris 1993 Wang. p.39.pl.XXII,1A ;XXIII,16.

Xenoxylon Gothan 1905

Xenoxylon ellipticum Schultze-Motel 1960 1991a Wang, pl.I,1-9.

Xinlongophyllum Yang 1977

Xinlongophyllum ctenopteroides Yang 1993 Wang. p.17.pl.V,3,11.

Hubei (1977 Feng et al., Donggong, Nanzhang County ; Jiuligang and Tieluwan, Yuan'an County ; Xihe, Jingmen County ; Lower Coal Formation of Xiangxi Group ; 1984 Chen, Tieluwan and Jiuligang, Yuan'an County ; Fenshuiling and Xihe, Jingmen County ; Kuzhu Bridge, Puqi County ; Yinzigang and front of the Temple, Dangyang County ; Donggong, Nanzhang County ; Guofengya, Jingmen County ; Zigui County ; Bishidu and Chengchao, E'cheng County ; Haihuigou, Suxi and Fenshuiling, Jingmen County, Jiuligang Formation; 1987 Meng, Yuan'an County ; Dongdong and Liujiatai, Nanzhang County ; Yaohe, Jingmen County ; Sanligang, Dangyang County ; Jiuligang Formation; 1983 Meng and 1991 Meng, Chenjiawan, Donggong, Nanzhang County, Jiuligang Formation; 1982 Meng, Jiuligang, Yuan'an County ; Donggong, Nanzhang County, Jiuligang Formation; 1986 Meng and 1990 Meng, Jiuligang, Yuan'an County ; Fenshuiling, Jingmen County ; Donggong and Hujiaju, Nanzhang County, Jiuligang Formation ; 1984 Zhu et al., Jingdang Depression, Jiuligang Formation ; 1984 Meng, Donggong, Nanzhang County ; Yaohe, Jingmen County, Jiuligang Formation)

Aetheopteris Meng et G. X. Chen 1984

Aetheopteris rigida G. X. Chen et Meng 1984 1984 Chen, p.587.pls.261,3,4 ;262,3.

Anomozamites Schimper 1870

Anomozamites amdrupiana Harris 1932 1977 Feng et al., pl.98,13-15 ; 1984 Chen, p.591. pl.246,8.

Anomozamites loczyi Schenk 1984 Chen, p.592. pls.244,6-8 ;269,19b.

Aphlebia Presl 1838

Aphlebia dissimilis Meng 1991 1991 Meng, pl.I,1-3.
Aphlebia sp. 1991 Meng, pl.II,3,3a.
Asterotheca Presl 1846
Asterotheca cottoni Zeiller 1984 Chen, p.572.pl.226,1-3.
Asterotheca penticarpa (Fontaine)
Asterotheca Presl 1846 1977 Feng et al., p.199.pl.73,7.
Bernoullia Heer 1877
Bernoullia pecopteroides Feng 1977 1977 Feng et al., p.199.pl.73,3-5.
Bernoullia zeilleri Pan 1977 Feng et al., p.199.pl.73,1-2.
Carpolithus Wallerius
Carpolithus sp. 1984 Chen, p.614. pl.243,6b,6c ;262,1,2,10,11.
Chiropteris Kurr 1858
Chiropteris sp. 1983 Meng, pl.I,6.
Cladophlebis Brongniart 1849
Cladophlebis cf. *raciborskii* Zeiller 1987 Meng, pl.24,3.
Clathropteris Brongniart 1828
Clathropteris arcuata Feng 1977 1977 Feng et al., pl.779,2 ; 1984 Chen, p.576.pl.232,1.
Clathropteris meniscioides Brongniart 1987 Meng, pl.26,3.
Clathropteris platyphylla (Goeppert) 1984 Chen, p.577.pl.235,3.
Compsopteris Zalesky 1934
Compsopteris laxivenosa Zhu, Hu and Meng 1984 1984 Zhu et al.,p.540.pl.I,3.
Compsopteris xiheensis (Feng) comb. nov. Zhu, Hu and Meng 1984 1984 Zhu et al.,p.540.
 pl.I,1-2;II,1.
Ctenis Lindley et Hutton 1834
Ctenis crassinervis G. X. Chen 1984 1984 Chen, p.599.pl.254,1-5.
Ctenis jingmenensis Meng 1987 1987 Meng, pl.33,4.
Ctenophyllum Schimper 1870
Ctenophyllum decurrens Feng 1978 1984 Chen, p.588.pl.241,4.
Ctenophyllum nervosum Meng 1987 1987 Meng, pl.27,6.
Ctenozamites Nathorst 1886
Ctenozamites aequalis Meng 1987 1987 Meng, pl.28,1,4.
Ctenozamites cycadea (Berger 1832) Schenk 1887 1977 Feng et al., pl.91,3-4.
Ctenozamites difformis Meng 1990 1990 Meng, pl.II, 3-5.
Ctenozamites microloba Chen et Duan 1990 Meng, pl.II,,2.
Ctenozamites otontopteroides Meng 1987 1987 Meng, pl.28,6.
Ctenozamites pusillus Meng 1983 1983 Meng, pls.II,3 ;IV,1.
Ctenozamites sarranii (Zeiller 1903) Harris 1964 1977 Feng et al., pl.91,1 ; 1984 Chen,
 p.588.pl.238,5.
Danaeopsis Presl 1845
Danaeopsis fecunda Halle 1921 1977 Feng et al., pl.72,1-3; 1984 Chen, p.570.pl.225,4-6 ; 1987
 Meng, pls.27,2 ;33,2.
Dictyophyllum Lindley et Hutton 1834
Dictyophyllum nathorstii Zeiller 1903 1977 Feng et al., pl.78, 2, 6 ; 1984 Chen, p.576.pl.233,3,4.
Drepanozamites Harris 1932

Drepanozamites nanzhangensis Feng 1977 1977 Feng et al., pl.94, 1.
Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1987 Meng, pl.26,4.
Equisetites Sternberg 1833
Equisetites brevidentatus Sze 1984 Chen, p.569.pl.223,5.
Equisetites jingmenensis G. X. Chen 1984 1984 Chen, p.568. pl.224,4-6.
Equisetites lufengensis Li 1984 Chen, p.569.pl.222,8.
Equisetites paradeltodon G. X. Chen 1984 1984 Chen, p.568. pl.224,1-3.
Equisetites sarranii (Zeiller) 1984 Chen, p.568.pl.222,12,13.
Ginkgoites Seward 1919
Ginkgoites digitata (Brongniart) Seward 1987 Meng, pl.35,8(cf.).
Ginkgoites rotundus Meng 1983 1983 Meng, pls.I,8 ;III,2.
Gleichenites Goeppert 1836
Gleichenites nitida Harria 1977 Feng et al., pl.74,7; 1984 Chen, p.573.pl.226,5.
Gleichenites yipinglangensis Li et Tsao 1984 Chen, p.573.pl.226,4.
Glossophyllum Kraeusel 1943
Glossophyllum shensiensis Sze 1956 1977 Feng et al., pl.95, 3-4(?) ; 1984 Chen, p.606.pl.262,7-9.
Goeppertella Ôishi et Yamasita 1936
Goeppertella sp. 1984 Chen, p.577.pls.233,6 ;234,1,2.
Hubeiophyllum Feng 1977
Hubeiophyllum angustum Feng 1977 1977 Feng et al., pl.100, 5-7 ; 1984 Regional Geological Surveying Team Team of Hubei, p.614. pl.259,1,2.
Hubeiophyllum cuneifolium Feng 1977 1977 Feng et al., pl.100, 1-4 ; 1984 Regional Geological Surveying of Hubei, p.614.pl.259,5,6.
Jingmenophyllum Feng 1977
Jingmenophyllum xiheense Feng 1977 1977 Feng et al., pl.94, 9.
Lepidopteris Schimper 1869
Lepidopteris ottonis (Goeppert 1836) Schimper 1869 1984 Chen, p.584.pl.237,4-8 ; 1977 Feng et al., pl.80, 2-3.
Lepidopteris stuttgartiensis (Jaeger) Schimper 1984 Chen, p.584.pl.237,1-3.
Marattia Swartz 1788
Marattia muensteri (Geopper) Schimper 1984 Chen, p.571. pls. 225,8,9 ;251,d ; 1987 Meng, pl.27,4.
Mironeura Chow 1978
Mironeura hubeiensis G. X. Chen 1984 1984 Chen, p.598. pl.258,1-3.
Mixophyllum Meng 1983
Mixophyllum simplex Meng 1983 1983 Meng, pl.I,1-5.
Nanzhangophyllum Chen 1977
Nanzhangophyllum donggongense Chen 1977 1977 Feng et al., fig.82; pl.99, 6-7 ; 1984 Chen, p.582.pls.251,b ;260,1-3.
Neocalamites Halle 1908
Neocalamites carrerei (Zeiller 1902) Halle 1908 1984 Chen, p.567.pls.221,1 ;222,5.
Neocalamites dangyangensis Chen 1984 Chen, p.567.pl.221,2-4.
Neocalamites hoerensis (Schimper) 1977 Feng et al., pl.71,7.
Neocalamites nanzhangensis Feng 1977 1977 Feng et al., pl.71,5.

Neocalamites rugosus Sze 1956 1977 Feng et al., pl.71,3-; 1984 Chen, p.567.pl.221,5.
Neocalamites sp. 1984 Chen, p.567.pl.222,1.
Nilssonia Brongniart 1825
Nilssonia elegantissima Meng 1987 1987 Meng, pl.32,6.
Nilssonia latifolia Meng 1987 1987 Meng, pl.32,1.
Nilssonia linearis Sze 1987 Meng, pl.27,5.
Nilssonia liuyangensis (Tsao) Meng 1987 1987 Meng, pl.30,6.
Nilssonia magnifolia G. X. Chen 1984 1984 Chen, p.597. pl.251,1.
Nilssonia nanzhangensis Feng 1977 1977 Feng et al., pl.87, 2-3.
Nilssonia orientalis Heer 1878 1977 Feng et al., pl.89, 3.
Nilssoniopteris Nathorst 1909
Nilssoniopteris immersa (Nathorst) Florin 1984 Chen, p.595. pl.247,5,6.
Nilssoniopteris jourdyi (Zeiller) Florin 1984 Chen, p.596. pl.247,9,10.
Noeggerathiopsis Feistmantelantel
Noeggerathiopsis hubeiensis Meng 1983 1983 Meng, pl.III,1.
Otozamites Braun 1843
Otozamites jingmenensis Meng 1987 1987 Meng, pl.31,4,4a.
Otozamites megaphyllus Hsü et Tuan 1987 Meng, pl.36,5.
Otozamites nanzhangensis Feng 1983 Meng, pl.II,4.
Otozamites pamiricus Prynada 1987 Meng, pl.30,6.
Otozamites parviensifolius Meng 1987 1987 Meng, pls.31,3 ; 36,4.
Paradrepanozamites Chen 1978
Paradrepanozamites dadaochangensis Chen 1977 1977 Feng et al., fig.81; pl.99, 1-2 ; 1984 Chen, p.601.pl.253,1 ; 1984 Zhu et al.,p.541.pls.I,4-6;II,2-3 ; 1990 Meng, pl.I,1-3.
Paradrepanozamites minor Zhu, Hu and Meng 1984 1984 Zhu et al.,p.542.pl.II,4-6. pl.256,4,5.
Podozamites Braun 1843
Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 1977 Feng et al., pl.98, 4.
Podozamites schenkii Heer 1987 He, pl.16,7.
Protoblechnum Lesquereux 1880
Protoblechnum magnificum Meng 1983 1983 Meng, pls.I,7 ; II,5.
Protoblechnum nanzhangense Meng 1983 1983 Meng, pl.II,1-2.
Pterophyllum Brongniart 1825
Pterophyllum bavieri Zeiller 1903 1977 Feng et al., pl.82, 10 ; 1984 Chen, p.589.pl.240,4,5.
Pterophyllum dolicholobum Meng 1987 Meng, pls.25,7; 31,2.
Pterophyllum hubeiense Meng 1983 1983 Meng, pl.III,3-4.
Pterophyllum jaegeri Brongniart 1987 Meng, pl.28,3.
Pterophyllum longifolium Brongniart 1987 Meng, pl.32,4.
Pterophyllum magnificum YDS 1984 Chen, p.590.pl.246,9.
Pterophyllum sinense Lee 1964 1977 Feng et al, pl.82I, 4 ; 1984 Chen, p.591.pl.246,10.
Pterophyllum subaequale Hartz 1987 Meng, pl.30,5.
Ptilozamites Nathorst 1878
Ptilozamites nilssoni Nathorst 1987 Meng, pl.24,6.
Sagenopteris Presl 1838

Sagenopteris sp. 1983 Meng, pl.II,6.
Sagenopteris spatulata Sze 1987 Meng, pl.24,5(cf.).
Scoresbya Harris 1932
Scoresbya integrifolia Meng 1986 1986 Meng, pls.I,1,2; II,1,2.
Sinoctenis Sze 1931
Sinoctenis aequalis Meng 1991 1991 Meng, pl.II,1-2,2a.
Sinoctenis grabauiana Sze 1931 1977 Feng et al., pl.93, 7-8.
Sinoctenis hubeiensis G. X. Chen 1984 1984 Chen, p.602.pl.256,2,3.
Sinoctenis minor Feng 1977 1977 Feng et al., pl.93, 1 ; 1984 Chen, p.602.pl.259,4.
Sphenobaiera Florin 1936
Sphenobaiera grandis Meng 1987 1987 Meng, pl.36,1.
Sphenozamites (Brongniart 1849) Miquel 1851
Sphenozamites changii Sze 1956 1977 Feng et al., pl.92, 1 (cf.), 2.
Sphenozamites jingmenensis G. X. Chen 1984 1984 Chen, p.600.
Sphenozamites sp. 1977 Feng et al., pl.92, 3.
Sphenozamites yungjenensis Hsü et Tuan 1984 Chen, p.601.pl.256,1.
Symopteris Hsü 1979
Symopteris zeilleri (Pan) Hsü 1984 Chen, p.571.pl.225,1-3 ; 1987 Meng, pl.24,4.
Taeniopteris Brongniart 1828
Taeniopteris donggongensis Meng 1987 1987 Meng, pl.37,3.
Taeniopteris mirabilis Meng 1987 1987 Meng, pls.34,5,5a; 36,6.
Taeniopteris nabaensis Ôishi 1987 Meng, pl.37,2(cf.).
Taeniopteris nanzhangensis Feng 1978 1984 Chen, p.582.pl.253,3.
Taeniopteris obliqua Chow et Wu 1987 Meng, pls.25,6; 33,5.
Taeniopteris remotinervis Meng 1987 1987 Meng, pl.33,3.
Thaumatopteris Goeppert 1841
Thaumatopteris expansa (Kryshtofovich et Prynada) Chu 1987 Meng, pl.26,1,1a.
Thaumatopteris fuchsii (Zeiller 1903) Oishi et Yamasita 1936 1977 Feng et al., pl.78, 3-4 ; 1984 Chen, p.575.pl.232,2-4.
Thinnfeldia Ettingshausen 1852
Thinnfeldia elegans Meng 1982 Meng, pls.I,4 ;II,5 ; 1990 Meng, pl.I,4.
Thinnfeldia nanzhangensis Meng 1982 Meng, pls.I,1 ;II,1-4 ; 1990 Meng, pl.II,1.
Thinnfeldia rhomboidalis Ettingshausen 1984 Chen, p.585. pl.238.1-2.
Thinnfeldia spatulata G. X. Chen 1984 1984 Chen, p.585. pl.239,3,4.
Thinnfeldia xiheensis (Feng) emend. G. X. Chen 1984 Chen, p.585. pl.258.pl.4-6.
Thinnfeldia yuananensis Meng 1982 1982 Meng, pl.I,2-3.
Todites Seward 1900
Todites goeppertianus (Müenster) Krasser 1987 Meng, pl.24,2.
Todites princeps (Presl 1838) Gothan 1914 1984 Chen, p.572. pls.227,3,4 ;228,1 ; 1987 Meng, pl.27,7.
Todites scoresbyensis Harris 1931 1977 Feng et al., pl. 75, 7.
Todites shensiensis (P'an) 1987 Meng, pls.27,3; 29,5.
Xinganphyllum Huang 1977
Xinganphyllum grandifolium Meng 1986 1986 Meng, pls.I,3,4; II,3,4.

Zamites Brongniart 1828

Zamites donggongensis Meng 1984 1984 Meng, pls.I,4 ;II,3 ;III,1.

Zamites hubeiensis G. X. Chen 1984 1984 Chen, p.595.pl.248,3 ; 1984 Chen, p.595.pl.248,3.

Zamites insignis Meng 1984 1984 Meng, pl.I,2-3.

Zamites macrophyllus Meng 1984 1984 Meng, pl.III,2.

Zamites oblanceolatus Meng 1987 1987 Meng, pl.30,1 ; 1987 Meng, pl.30,1.

Zamites sp. 1984 Meng, pl.II,1.

Zamites truncatus Zeiller 1987 Meng, pl.30,2-4 ; 1987 Meng, pl.30,2-4.

Zamites yaohensis Meng 1984 1984 Meng, pl.II,4-5.

Hunan (1977 Feng et al., Yangmei Mountain, Yizhang County ; Sandu, Zixing County , Xiaoping Formation)

Thaumatopteris Goeppert 1841

Thaumatopteris brauniana Popp 1863 1977 Feng et al.,p.208.pl.77,4.

Otozamites Braun 1843

Otozamites indosinensis Zeiller 1903 1977 Feng et al.,p.208.pl.73,2-3.

Fujian (1982 Wang et al., Dakeng, Xialiao and Qianban, Zhangping City; 1978 Zhou, Dakeng, Zhangping City, Dakeng Formation)

Anomozamites Schimper 1870

Anomozamites cf. *major* (Brongniart) 1978 Zhou, p.91.

Anomozamites cf. *minor* (Brongniart 1824) Nathorst 1878 1978 Zhou, p.91.

Baiera Braun 1843

Baiera guilhaumati Zeiller 1902 1978 Zhou, p.91.

Carpolithus Wallerius 1747

Carpolithus sp. 1978 Zhou, p.92.

Cladophlebis Brongniart 1849

Cladophlebis raciborskii Zeiller 1903 1978 Zhou, p.91.

Cladophlebis sp. 1978 Zhou, p.91.

Clathropteris Brongniart 1828

Clathropteris meniscioides Brongniart 1828 1978 Zhou,p.99.pl.18,7,7a,8.

Clathropteris platyphylla (Goeppert 1842) Brongniart 1849 1982 Wang et al.,p.246.pl.112,1.

Cycadocarpidium Nathorst 1886

Cycadocarpidium erdmannii Nathorst 1886 1978 Zhou, p.119.pl.28,8,9.

Cycadolepis Saporta 1873

Cycadolepis corrugata Zeiller 1903 1978 Zhou, pls.XXI, 11; XXVIII, 13.

Danaeopsis Presl 1845

Danaeopsis fecunda Halle 1978 Zhou, p.97.pls.15,11;16,1,2; 1982 Wang et al.,p.239.pl.109,2-4.

Dictyophyllum Lindley et Hutton 1834

Dictyophyllum exile (Brauns 1862) Nathorst 1878 1982 Wang et al.,p.245.pl.112,2.

Dictyophyllum nathorstii Zeiller 1978 Zhou, p.91.

Dictyophyllum nilssonii (Brongniart 1828) Goeppert 1846 1978 Zhou, p.91; 1982 Wang et al.,p.245.pl.112,5.

Equisetites Sternberg 1833

Equisetites sp. 1978 Zhou, p.91.
Glossophyllum Kraeusel 1943
Glossophyllum shensiense 1978 Zhou, p.91.
Glossophyllum sp. 1978 Zhou, p.91.
Lepidopteris Schimper 1869
Lepidopteris ottonis (Goeppert 1836) Schimper 1869 1978 Zhou,p.105.pl.19, 4-6; 1982 Wang et al.,p.254.pl.116,4-5.
Neocalamites carrerei (Zeiller 1902) Halle 1908 1978 Zhou, p.96.pl.15, 6,7,7a; 1982 Wang et al.,p.238.pl.108,2-3.
Neocalamites Halle 1908
Neocalamites sp. 1978 Zhou, p.91.
Nilssonia acuminata (Presl 1838) Goeppert 1844 1978 Zhou, p.91.
Nilssonia Brongniart 1825
Nilssonia princeps (Oldham et Morris 1863) Seward 1917 1978 Zhou, p.91.
Nilssonia pterophylloides Nathorst 1978 Zhou, p.91.
Podozamites Braun 1843
Podozamites lanceolatus (L. & H.) Braun 1978 Zhou, p.91.
Podozamites schenkii Heer 1876 1982 Wang et al., p.289. pl.127,1; 1982 Wang et al., p.289. pl.127,1.
Pterophyllum Brongniart 1825
Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1978 Zhou, p.108.pl.21, 5,6.
Pterophyllum astartense Harris 1932 1978 Zhou, p.91.
Pterophyllum decurrens Sze 1982 Wang et al.,p.260.pl.119,9.
Pterophyllum nathorstii Schenk 1978 Zhou, p.92.
Pterophyllum pinnatifidum Harris 1932 1978 Zhou, p.91.
Pterophyllum ptilum Harris 1932 1978 Zhou, p.109.pl.21, 1.
Pterophyllum schenki Zeiller 1978 Zhou, p.91.
Ptilozamites Nathorst 1878
Ptilozamites chinensis Xu 1950 1978 Zhou, p.106.pl.20,1-4; 1982 Wang et al.,p.255.pls.118,6-7;119,1.
Ptilozamites sp. 1978 Zhou, p.91.
Sphenozamites (Brongniart 1849) Miquel 1851
Sphenozamites sp. 1978 Zhou, p.92.
Spiropteris Schimper 1869
Spiropteris sp. 1978 Zhou, p.91.
Stachyotaxus Nathorst 1886
Stachyotaxus elegans Nathorst 1886 1978 Zhou, p.119.pl.28, 12; 1982 Wang et al., p.292. pl.126,2.
Taeniopteris Brongniart 1828
Taeniopteris obliqua Chow et Wu 1978 Zhou, p.91; 1982 Wang et al., p.293. pl.128,5.
Thinnfeldia Von Ettingshausen 1852
Thinnfeldia rhomboidalis Ettingshausen 1852 1982 Wang et al.,p.255.pl.118,10.
Todites Seward 1900
Todites denticulata 1978 Zhou, p.91.

Zhejiang (1986 Chen, The Tea Garden of Hus, 60 Km away from Qu County, Chayuanli Formation)

Clathropteris Brongniart 1828

Clathropteris sp. 1986 Chen, p.445-453.

Clathropteris platyphylla (Goeppert) 1986 Chen, p.445-453.

Cycadocarpidium Nathorst 1886

Cycadocarpidium erdmannii Nathorst 1886 1986 Chen, p.445-453.

Danaeopsis Presl 1845

Danaeopsis sp. 1986 Chen, p.445-453.

Dictyophyllum nathorstii Zeiller 1986 Chen, p.445-453.

Doratophyllum Harris 1932

Doratophyllum decoratum 1986 Chen, p.445-453(cf.).

Glossophyllum Kraeusel 1943

Glossophyllum cf. *florini* Kräusel 1986 Chen, p.445-453.

Harrisiothecium Lundblad 1961

Harrisiothecium sp. 1986 Chen, p.445-453.

Nilssonia Brongniart 1825

Nilssonia cf. *simplex* Oishi 1986 Chen, p.445-453.

Nilssonia sp. (sp.) nov. 1986 Chen, p.445-453.

Phlebopteris xiangyunensis Li etTsa 1986 Chen, p.445-453.

Podozamites Braun 1843

Podozamites distans (Presl) Braun 1986 Chen, p.445-453.

Podozamites schenkii Heer 1986 Chen, p.445-453.

Pterophyllum Brongniart 1825

Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1986 Chen, p.445-453.

Pterophyllum bavieri Zeiller 1986 Chen, p.445-453.

Pterophyllum inaequale Chen 1986 1986 Chen, p.445-453.

Pterophyllum cf. *sinense* P. Lee 1986 Chen, p.445-453.

Pterophyllum cf. *zygotacticum* Harris 1986 Chen, p.445-453.

Ptilozamites Nathorst 1878

Ptilozamites nilsoni Nathorst 1986 Chen, p.445-453.

Ptilozamites cf. *tenuis* Oishi 1986 Chen, p.445-453.

Ptilozamites chinensis Hsü 1986 Chen, p.445-453.

Selaginellites Zeiller 1906

Selaginellites sp. 1986 Chen, p.445-453.

Strobilites Lindley et Hutton 1833

Strobilites sp. 1986 Chen, p.445-453.

Taeniopteris Brongniart 1828

Taeniopteris sp. 1986 Chen, p.445-453.

Todites Seward 1900

Todites (Cladophlebis) shensiensis (P'an) Sze 1986 Chen, p.445-453.

Todites denticulatus (Brongniart) Krasser 1986 Chen, p.445-453.

Sphenozamites (Brongniart 1849) Miquel 1851

Sphenozamites sp. 1986 Chen, p.445-453.

Guizhou (1966 Wu, Longtou Hill, Anlong County; 1978 Zhang et al., Shengquan Fountain and Sanqiao, Guiyang City; Wangfeng, Bijie City; Tongzi County; Shanpen, Zunyi City; Zhijin County; Longjing and Maotai, Renhuai City, Weining County; Smelly Coal Field and Dazhai, Nayong County; Anlong County; Langdai, Liuzhi County; 1990 Wang et Chen, The North Slope of Nan Hill, Yang Family, Langdai Region, Liuzhi County, Guandaoya Section; 2002 Meng et al., Xinpu Village, Guanling County, Wayao Formation)

Amdrupia Harris 1932

Amdrupia cladophleboides Yao 1968 1978 Zhang, p.487.pl.CLXIII, 8 9(?).

Anomozamites Schimper 1870

Anomozamites minor (Brongniart 1824) Nathorst 1878 1978 Zhang, p.482.pl.CLXII, 5 (cf.).

Anomozamites sp. (cf. *Sinoctenis venulosa* sp. nov.) 1966 Wu, pl.II,3.

Asterotheca Presl 1846

Asterotheca sp. (cf. *Pecopteris (Asterotheca) cottoni* Zeiller) 1966 Wu, pl.I,5,5a,6.

Cladophlebis Brongniart 1849

Cladophlebis shensiensis P'an 1936 1978 Zhang, p.472.pl.CLVII, 1, 2.

Clathropteris Brongniart 1828

Clathropteris meniscioides Brongniart 1828 1978 Zhang, p.478.pl.CLXI, 7.

Clathropteris tenuinervis Wu 1976 1978 Zhang, p.478.pl.CLXI, 6.

Ctenozamites Nathorst 1886

Ctenozamites sarranii Zeiller 2002 Meng et al. p.170.pls.I,2 ;II,1-3.

Cycadocarpidium Nathorst 1886

Cycadocarpidium erdmannii Nathorst 1886 1978 Zhang, pl.CLXIV, 4, 5.

Danaeopsis Presl 1845

Danaeopsis fecunda Halle 1978 Zhang, pl.CLIX, 5.

Equisetites Sternberg 1833

Equisetites cf. *arenaceus* (Jaeger) Bronn. 2002 Meng et al. p.170.pls.I,1 ;II,4.

Equisetites sp. 1966 Wu, pl.I,1,1a.

Equisetites sp. 1978 Zhang, pl.CLI, 1.

Lepidopteris Schimper 1869

Lepidopteris ottonis (Goeppert 1836) Schimper 1869 1978 Zhang, fig.p.473; pl.CLIX, 6.

Neocalamites Halle 1908

Neocalamites carrerei (Zeiller 1902) Halle 1908 1978 Zhang, pl.CLI, 2.

Neocalamites sp.1 1966 Wu, pl. I,2.

Neocalamites sp.2 1966 Wu, pl.I,3.

Nilssonia Brongniart 1825

Nilssonia acuminata (Presl 1838) Goeppert 1844 1978 Zhang, pl.CLXIII, 5 (cf.).

Nilssonia compta (Phillips 1829) Goeppert 1844 1978 Zhang, pl.CLXIII, 11 (cf.).

Nilssonia pterophylloides Nathorst 1878 1978 Zhang, pl.CLXIII, 10 (cf.).

Otozamites Braun 1843

Otozamites anlungensis Wu 1966 1966 Wu, pl.II,4,4a.

Podozamites Braun 1843

Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 fa. Ovalis Heer 1876 1978 Zhang, pl.CLXIV, 2.

Podozamites schenkii Heer 1876 1978 Zhang, pl.CLXIV, 3.
Pterophyllum Brongniart 1825
Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1978 Zhang, pl.CLXII, 8.
Pterophyllum astartense Harris 1990 Wang et Chen, pls.I,7-8; II,14-19.
Pterophyllum guizhouense Wang et Chen 1990 1990 Wang et Chen, pls.I,1-6,9-10; II,11-13.
Pterophyllum multilineatum Shirley 1966 Wu, pl.II,1.
Pterophyllum otofoliolatum Xu et Hu ex Zhang 1978 1978 Zhang, pLCLXIII, 6.
Pterophyllum portali Zeiller 1966 Wu, pl.II,2.
Pterophyllum ptilum Harris 1932 1978 Zhang, pl.CLXII, 6.
Rhinopteris Harris 1931
Rhinopteris cf. *concinna* (Presl) Harris 1966 Wu, pl.I,4,4a,4b.
Sinoctenis Sze 1931
Sinoctenis venulosa Wu 1966 1966 Wu, pl.II,5,5a; 1978 Zhang, pl.CLXII, 7; 1966 Wu, p. 233-238.
Taeniopteris Brongniart 1828
Taeniopteris leclerei Zeiller 1966 Wu, pl.I,7,7a.
Thaumatopteris Goepfert 1841
Thaumatopteris brauniana Popp 1863 1978 Zhang, pl.CLXI, 10.
Thaumatopteris schenkii Nathorst 1878 1978 Zhang, pl.CLXI, 2.
Todites Seward 1900
Todites denticulatus (Brongniart 1828) Krasser 1921 1978 Zhang, pl.CLVII, 8.
Todites princeps (Presl 1838) Gothan 1914 1978 Zhang, pl.CLVII, 3.

Norian₂-Rhaetian (135 Sections Studied)

Xizang (1982b Wu, Changdu Region, Bagong Formation)

Anomozamites Schimper 1870
Anomozamites marginatus (Uger) Nathorst 1982b Wu, p.92.pl.XIX,3.
Anomozamites orientalis Wu 1982 1982b Wu, p.93.pl.XIV,1,1a,2B;pl.XV,3;pl.XVI,6;pl.XIX,5B,6.
Anomozamites paucinervis Wu 1982 1982b Wu, p.93.pl.XIV,2A,2a;pl.XV,5A,5a.
Anomozamites qamdoensis Wu 1982 1982b Wu, p.92.pl.XIV,3,3a;pl.XVII,4A,4a.
Asterotheca Presl 1846
Asterotheca szeiana (Pán) Sze 1982b Wu, p.80.pl.III,1,2;pl.IV,1,2;pl.XVI,7.
Baiera F. Braun 1843, emend. Florin 1936
Baiera sp. 1982b Wu, pl.XIV,5.
Cladophlebis Brongniart 1849
Cladophlebis cf. *grabauiana* Pán 1982b Wu, p.86.pl.X,1,1a,2.
Cladophlebis cf. *rütimeyeri* (Heer) 1982b Wu, p.87.pl.XII,2.
Cladophlebis sp.2,3,4 1982b Wu,p.88.pl.X.
Cladophlebis tibetica Wu (sp.nov.) 1982b Wu, p.87.pl.XI,6,6a,6bA,6bB.
Clathropteris Brongniart 1828
Clathropteris cf. *mongugaica* Srebrodolskaya 1982b Wu, p.85.pl.VIII,7.
Clathropteris platyphylla (Goepfert) 1982b Wu, p.85.pl.IX,4.

Ctenis Lindley & Hutton 1934
 cf. *Ctenis anomozamioides* Li 1982b Wu, p.97.pl.XVII,2.
Ctenozamites Nathorst 1886
Ctenozamites sp. 1982b Wu, p.89.pl.XI,3,3a,4,4a.
Cycadocarpidium Nathorst 1886
Cycadocarpidium sp. (cone axis) 1982b Wu, p.99.pl.XV,6.
Danaeopsis Heer 1864
Danaeopsis fecunda Halle 1982b Wu, p.79.pl.I,4,4a;pl.II,4A,4a.
Dictyophyllum Lindley & Hutton 1834
Dictyophyllum nathorstii Zeiller 1982b Wu, p.84.pl.VII,1;pl.VIII,5.
Dictyophyllum sp. (sp.nov.) 1982b Wu, p.84.pl.VIII,6,6a.
Drepanozamites Harris 1932
Drepanozamites densinervis Wu 1982 1982b Wu, p.97.pl.XX,5,5a.
Drepanozamites nilssoni (Nathorst) Harris 1982b Wu, p.97.pl.XVII,6,6a;pl.XVIII,2,2a.
Elatides Heer 1876
 cf. *Elatides williamsoni* (Brongniart) Nathorst 1982b Wu, p.99.pl.XIX,7,7a,7b.
Equisetites Sternberg 1833
Equisetites platyodon Brongniart 1982b Wu, p.77.pl.I,2,3.
Equisetites rogersii (Bunbury) 1982b Wu, p.77.pl.II,1-2a;pl.XIX,1,2.
Equisetites sp.3 1982b Wu, p.78.pl.III,8,9,10.
Gleichenites Seward 1926.
Gleichenites yipinglangensis Li et Tsao 1982b Wu, p.82.pl.V,3,3a;pl.VI,1-3.
Goepfertella cf. *kwangyüanensis* Li 1982b Wu, p.85.pl.IX,3,3a.
Goepfertella microloba (Schenk) Ôishi & Yamasita 1936 1982b Wu, p.85.pl.IX,1,2A,2B,2a.
Goepfertella Ôishi & Yamasita 1936
Goepfertella sp. 1982b Wu, p.86.pl.VI,5.
Marattia Swartz 1788
Marattia asiatica (Kawasaki) Harris 1982b Wu,p.79.pl.III,3,3a.
Marattia muensteri (Goepfert) 1982b Wu,p.79.pl.III,4,4a.
Neocalamites Halle 1908
Neocalamites sp.2 1982b Wu, p.79.pl.III,7.
Nilssonia Brongniart 1825
Nilssonia brevis Brongniart 1982b Wu, p.95.pl.XV,4;pl.XVI,5,5a;pl.XVIII,1,1a;pl.XX,1A.
Nilssonia cf. *muensteri* Presl 1982b Wu, p.96.pl.I,5A,5a.
Nilssonia cf. *polymorpha* Schenk 1982b Wu, p.96.pl.XVII,3.
Nilssonia sp. 1982b Wu, p.96.pl.VII,6B,6b.
Otozamites Braun 1843
Otozamites sp. 1982b Wu, p.94.pl.XV,1,1a,1b.
Phlebopteris Brongniart 1837, emend. Hirmer et Hörhammer, 1936
Phlebopteris gonjoensis Wu 1982 1982b Wu, p.81.pl.V,4,4a,5.
Podozamites Braun 1843
Podozamites lanceolatus (L. & H.) Braun 1982b Wu, p.98.pl.XVII,7.
Podozamites sp. 1982b Wu, p.98.pl.XII,1B.
Pterophyllum Brongniart 1825

Pterophyllum astartense Harris 1982b Wu, p.90.pl.XII,3B;pl.XIII,4,4a.
Pterophyllum cf. *aequale* (Brongniart) Nathorst 1982b Wu, p.90.pl.XX,3.
Pterophyllum cf. *magnificum* YDS 1982b Wu, p.91.pl.XII,5.
 cf. *Pterophyllum nathorstii* Schenk 1982b Wu, p.91.pl.XIII,5.5a;pl.XVI,1.
Pterophyllum schenki Zeiller 1982b Wu, p.91.pl.XII,3A,3a,4,4a.
Pterophyllum sp. 1982b Wu, p.92.pl.XIII,6.
Reteophlebis Li et Tsao
Reteophlebis simplex Li et Tsao 1982b Wu, p.81.pl.V,2,2a,2b.
Sagenopteris Presl. 1838
Sagenopteris sp. 1982b Wu, p.90.pl.XI,5,5a.
Sinoctenis Sze 1931, emend. Wu et Lih 1976
Sinoctenis calophylla Wu et Lih 1982b Wu, p.94.pl.VII,4B;pl.XVII,1;pl.XVIII,3.
Sinoctenis sp. 1982b Wu, p.95.pl.XVIII,4;pl.XX,2.
Stenorachis Saporta 1895
Stenorachis sp. (cf. *ixostrobus goenlandicus* Harris) 1982b Wu, p.98.pl.XV,5B.5b.
Taeniopteris Brongniart 1828
Taeniopteris sp. 1982b Wu, p.99.pl.XVI,3,3a.
Thaumatopteris (Goeppert) Nathorst 1876
Thaumatopteris cf. *dunkeri* (Nathorst) 1982b Wu, p.83.V.pl.3D;pl.VII,3,3a.
Thaumatopteris cf. *remauryi* (Zeiller) Ôishi et Yamasita 1982b Wu, p.83.pl.V,3B,3b,3C;pl.VIII,4.
Thaumatopteris sp.2 1982b Wu, p.84.pl.VII,4A,5,6A,6a.
Todites Seward 1900
Todites shensiensis (Pán) Sze 1982b Wu, p.80.pl.4,3,3a,4A,5-6a;pl.5,1,1a.

Anhui (1963 Sze et Lee, Xincang, Taihu Lake)

Cladophlebis Brongniart 1849
Cladophlebis sp.1 1963 Sze et Lee, p.119.
Pterophyllum Brongniart 1825
Pterophyllum nathorstii Schenk 1963 Sze et Lee, pl.61,5.
Otozamites Braun 1843
Otozamites sp. 1963 Sze et Lee, pl.91,9.
Pityophyllum Nathorst 1899
Pityophyllum nordenskioldi Heer 1963 Sze et Lee, pl.91,7.

Sichuan (1964 Li, Guangyuan, Xujiache Formation; 1982 Duan et Chen, Hechuan, Changshou, Diaozhong Dam, Dazhu, Liangping, Tieshan, Qili Gorge, Tianhe, Nanxi, Fengjie, Longju Dam, Coal Dam, Xujiache Formation; 1982 Liu et Zhou, 1982 Yang and 1992 Huang, Yangjiayan, Xujiache, Lixiyan, Tieshan, Qili River; 1963 Sze et Lee, Xujiache, Yipinchang, Baxian County ; Shaxi Temple, Hechuan City ; Qinggang Forest, Pengxian County ; Xufu, Yibing City, Xujiache Formation ; 1974 Hu et al., Guanhua Coal Field, Ya'an City; 1974 Li et al., The Lotus Leaf Bay, E'mei Mountain ; Mhuang Well and Shupang, Xiangyun County ; Cifeng Field and Haiwozi, Pengxian County ; Baiguo Bay, Huili County ;Lianjie Field, Weiyuan County ; Dahe, Tianquan County ; Xujiache, Guangyuan City ; Coal Dam, Hechuan City ;Jinhua Commune, Mianzhu City ; Shuanghe Field, Dayi County, Xujiache Formation, Baiguowan Formation and Dajing Formation ;

1963 Sze et Lee Guangyuan, Xujiuhe Formation ; 1978 Chen et Duan, The Deer Field and Baiguo Bay, Huili County; Pingxi Dam, Tongjia River; Xi'niu, Yunyang County; Tianfu, Chongqing City; Yangjiaya, Guangyuan City; Taiping Field, Dukou; Tieshan, Daxian County; Lotus Leaf Bay, E'mei Mountain; Yipin Field, Baxian County; Cifeng Field, Pengxian County; Xujiuhe, Guangyuan City; Shuanghe, Zhonghe, Taiping, Tiangong Temple and the Coal Field, Dayi County; Shuanghe, Changning County; Liberation Bridge, Mianning County; Haiwozi, Guanxian County; Yongchuan City; Ya'an City, Xujiuhe Formation, Baiguowan Formation and Dajing Formation; 1978 Zhang, Shi'e, Gulin County ; 1979 Xu et al., Baoding Region, Dajing Formation; 1977 Wang, Mosha River, Dukou, Dajing Formation; 1986 Yang, Ranjia Bay, Wangu Region, Dazu County, Xujiuhe Formation ; 1986 Ye et al., Jinwo Section of Tieshan Hill, Daxian County ; Qilixia River, Xuanhan County ; The Thermal Spring of Kaixian County, Xujiuhe Formation ; 1987 Chen et al., Jinghe, Western Yanbian County, Hongguo Formation)

Acthephyllum Duan et Chen

Acthephyllum kaixianensis Duan et Chen 1982 1982 Liu et Zhou.p.39; 1982 Duan et Chen, p.510. pl.11,1-5.

Allicospermum Harris 1935

Allicospermum xystem 1992 Huang, p.80.

Amdrupia Harris 1932

Amdrupia cladophleboides Yao 1968 1982 Liu et Zhou.p.39.

Amdrupia kwangyuanensis Huang 1992 1992 Huang, p.79.

Amdrupia sphenopteroides (Sze & Lee) 1964 Li, pl.XIII,4,4a; 1982 Liu et Zhou.p.39.

Amdrupia stenodonta 1982 Liu et Zhou.p.39.

Amdrupiopsis Sze et Lee 1952

Amdrupiopsis sphenopteroides Sze et Lee 1978 Chen et duan,p.535.pl.183,3-4.

Angiopteris Hoffmann 1796

Angiopteris yungjenensis Xu et Chen 1974 1979 Xu et al., pl.V, 2, 2a.

Annulariopsis Zeiller 1902

Annulariopsis cf. *Annulariopsis inopinata* Zeiller 1986 Ye et al.,p.20. pls.2,

Annulariopsis hechuanensis Yang 1982 1982 Liu et Zhou.p.32; 1982 Yang,p.465. pl.3,8.

Annulariopsis inopinata (Goeppert 1843) Schimper 1870 1992 Huang, p.78.

Annulariopsis sp. 1964 Li, pl.I,2,2a ; 1982 Liu et Zhou.p.32.

Annulariopsis sp. 1987 Chen et al., p.89.pls.III,9 ;IV,1-2.

Anomozamites Schimper 1870

Anomozamites amdrupiana Harris 1932 1982 Liu et Zhou.p.35; 1987 Chen et al., p.113.pl.XXIV,7-8.

Anomozamites cf. *marginatus* (Unger) Nathorst 1982 Liu et Zhou.p.35 ; 1986 Ye et al.p.48.pls.28,6B,6b.

Anomozamites cf. *minor* (Brongniart 1824) Nathorst 1878 1987 Chen et al., p.113.pl.XXV,4-6.

Anomozamites hartzii Harris 1926 1982 Liu et Zhou.p.35; 1982 Duan et Chen, p.511(cf.).

Anomozamites inconstans (Goeppert 1843) Schimper 1870 1982 Liu et Zhou.p.35.

Anomozamites loczyi Schenk 1884 1963 Sze et Lee, pls.52,4;103,1; 1964 Li, pl.XIV,5,5a ; 1982 Liu et Zhou. p.35; 1992 Huang, p.79 ; 1974 Li et al., p.359.pl.194,4-6 ; 1974 Li et al., p.359.pl.194,4-6 ; 1978 Chen et duan,p.508.pl.180,6 ; 1986 Ye et al.p.48.pls.28,10,10s; 1987 Chen et al., p.113.pls.XV,5 ;XVI,9 ;XXV,1-3.

Anomozamites major (Brongniart 1824) Nathorst 1878 1982 Liu et Zhou.p.35.

Anomozamites minor (Brongniart 1824) Nathorst 1878 1982 Liu et Zhou.p.35.

Anomozamites pachylomus Xu et Hu 1975 1979 Xu et al., fig.17; pls.LV, 9, 10; LVI, 8 17; LVII, 2 ; 1992 Huang, p.79.

Anomozamites sp. 1974 Hu et al., p.174.

Anomozamites sp. 1982 Duan et Chen, p.511; 1992 Huang, p.79.

Anomozamites sp.1 1987 Chen et al., p.114.pl.XXV,8.

Anomozamites sp.2 1987 Chen et al., p.114.pl.XXV,9.

Anomozamites sp.3 1987 Chen et al., p.114.pl.XV,4.

Anthrophyopsis Nathorst 1878

Anthrophyopsis crassinervis Nathorst 1878 1974 Li et al., p.360.pl.192,6,7 ; 1982 Liu et Zhou.p.36; 1992 Huang, p.80 ; 1987 Chen et al., p.108.pl.XXVI,2-3.

Anthrophyopsis leeiana (Sze) Florin 1964 Li, pl.XVIII,1-3; 1982 Liu et Zhou.p.36; 1982 Duan et Chen, p.504. pl.12,4; 1987 Chen et al., p.109.pl.XXVI,1.

Anthrophyopsis multinervis Huang 1992 1992 Huang,p.177.pl.16,1-5,8.

Anthrophyopsis ripples Huang 1992 1992 Huang,p.177.pl.17,5,5a.

Anthrophyopsis sp. 1982 Liu et Zhou.p.36; 1992 Huang,p.80.

Anthrophyopsis venulosa Chow et Yao 1968 1974 Li et al., p.360. pl.193,10,11 ; 1978 Chen et duan,p.521.pl.180,1 ; 1982 Liu et Zhou.p.36 ; 1986 Ye et al.p.61.pls.41,1B;42,1,1a;43,5,5a ; 1987 Chen et al., p.109.pls.XXVI,4-5 ;XXVII,1-2.

Asterotheca Presl 1846

Asterotheca cottoni (Zeiller 1902) Hirmer 1927 1979 Xu et al., pls.II,8-10a;III,4,1,2; 1987 Chen et al., p.90.pl.IV,7,7a .

Asterotheca latepinnata (Leuthardt 1904) Xu 1979 1987 Chen et al., p.90.pl.IV,4-5a.

Baiera Braun 1843

Baiera cf. *B. muensteriana* (Presl 1838) Heer 1876 1986 Ye et al.pl.46,2,4.

Baiera cf. *elegans* Ôishi 1986 Ye et al.p.68.pl.46,3,5,8.

Baiera cf. *elegans* Ôishi 1987 Chen et al., p.123.pl.XXXVI,3.

Baiera cf. *gracilis* (Bean ex Goeppert 1848) Bunbury 1851 1982 Liu et Zhou.p.37; 1987 Chen et al., p.123.pl.XXX,5(cf.).

Baiera cf. *guilhaumati* Zeiller 1987 Chen et al., p.123.pl.XXXV,10(cf.).

Baiera cf. *muensteriana* (Presl 1838) Heer 1876 1982 Liu et Zhou.p.37; 1992 Huang,p.80.

Baiera cf. *multipartita* Sze et Lee 1987 Chen et al., p.122.pl.XXXV,3-4 ; 1987 Chen et al., p.124.pl.XXXV,5-6.

Baiera concinna (Heer) Kawasaki 1987 Chen et al., p.121.pl.XXXV,7-9.

Baiera crassifolia Chen et Duan 1987 1987 Chen et al., p.122.pl.XXXVI,1.

Baiera elegans Oishi 1932 1964 Li, pl.XIX,1-4(cf.); 1982 Liu et Zhou.p.37; 1992 Huang,p.80.

Baiera furcata (Lindley et Hutton) Braun. 1986 Ye et al.p.68.pl.46,6; 1987 Chen et al., p.122.pl.XXX,6.

Baiera guilhaumati Zeiller 1902 1982 Liu et Zhou.p.37; 1974 Hu et al., p.174.

Baiera minuta Nathorst 1878 1982 Liu et Zhou.p.37.

Baiera multipartita Sze et Lee 1974 Li et al., p.361.pl.186,9; 1978 Chen et duan,pl.184,6 ; 1982 Duan et Chen, p.506.pl.13,3-6.

Baiera sp. 1992 Huang,p.80.

Baiera sp.1 1987 Chen et al., p.124.pl.XXXVI,2.
Baiera sp.2 1987 Chen et al., p.124.pl.XXXVI,4.
Bucklandia Presl 1825
Bucklandia minima Ye et Peng 1986 1986 Ye et al.p.65.pls.33,10,10a;34,2.
Bucklandia sp. 1964 Li, pl.XIX,5; 1992 Huang,p.79.
Bucklandia sp. 1986 Ye et al.p.66.pl.34,5-5b.
Carpolithus Brongniart 1822
Carpolithus Brongniart 1822
Carpolithus lingualuis 1982 Liu et Zhou.p.38.
Carpolithus ovalis 1982 Liu et Zhou.p.38.
Carpolithus sp. 1979 Xu et al., pl.LXXII, 7, 7a.
Carpolithus sp. 1982 Duan et Chen, p.511.
Chiropteris Kurr 1858
Chiropteris sp. 1986 Ye et al.p.40.pl.24,3,3a.
Chiropteris yuani Sze 1986 Ye et al.p.40.pl.24,4,4a.
Cladophlebis Brongniart 1849
Cladophlebis (Todites) denticulata (Brongniart) Krasser 1964 Li, pls.VII,1-3 ;IX,1a.
Cladophlebis (Todites) scoresbyensis Harris 1964 Li, pl.VI,1-3 ; 1982 Liu et Zhou.p.33.
Cladophlebis argutula 1982 Liu et Zhou.p.33.
Cladophlebis asiatica Chow et Yeh 1982 Duan et Chen, p.511; 1992 Huang, p.78.
Cladophlebis calcariformis Chu 1975 1986 Ye et al.p.33.pl.20,4,4a.
Cladophlebis cf. *Cladophlebis microphylla* Fontaine 1986 Ye et al.p.35.pls.8,6;51,3B.
Cladophlebis cf. *Cladophlebis nalivkini* Thomas 1986 Ye et al.p.36.pls.5,4;19,4.
Cladophlebis cf. *kaoiana* Sze 1956 1982 Liu et Zhou.p.33; 1992 Huang, p.78; 1986 Ye et al.p.35.pls.17,3-4a; 20,2;24,1.
Cladophlebis cf. *stenophylla* Sze 1982 Liu et Zhou.p.33.
Cladophlebis cladophleboides Yang 1982 1982 Liu et Zhou.p.33; 1982 Yang.p.471.pl.15,1-5.
Cladophlebis conicinna 1982 Liu et Zhou.p.33.
Cladophlebis denticulata (Brongniart) Nathorst 1986 Ye et al.p.33.pls.22,3;23,4,4a.
Cladophlebis fangtzuensis 1982 Liu et Zhou.p.33.
Cladophlebis foliolata Li 1976 1987 Chen et al., p.100.pl.XII,4,4a.
Cladophlebis gigantean Ôishi 1987 Chen et al., p.101.pl.XIII,2.
Cladophlebis grabauiana P'an 1936 1992 Huang,p.79.
Cladophlebis haiburnensis (Lindley et Hutton 1836) Brongniart 1849 1982 Liu et Zhou.p.33 ; 1982 Duan et Chen, p.498.pl.5,3.
Cladophlebis heterophylla Zhou 1982 Wang et al.,p.250.pl.115,5.
Cladophlebis ingens 1982 Liu et Zhou.p.33; 1982 Duan et Chen, p.499.pl.5,2; 1992 Huang, p.78.
Cladophlebis ingens 1987 Chen et al., p.101.pl.XIII,3.
Cladophlebis integra (Oishi et Takahashi) Frenguelli 1986 Ye et al.p.34.pls.19,2;22,1,2,4,4a;23,1,5,5a.
Cladophlebis kwangyuanensis Lee 1964 1964 Li, pl.VIII,1,1a,1b ; 1982 Liu et Zhou.p.33; 1982 Duan et Chen, p.499.pls.5,1;7,1.
Cladophlebis nalivkini 1992 Huang, p.79.
Cladophlebis nebbensis (Brongniart 1834) Nathorst 1875 1974 Hu et al., p.174 ; 1982 Liu et

Zhou.p.33..

Cladophlebis paralobifolia Sze 1987 Chen et al., p.101.pls.XII,5 ;XIII,1,1a.

Cladophlebis raciborskii forma *integra* 1982 Liu et Zhou.p.33; 1963 Sze et Lee, pls.35,3 ;36,3 ;37,3 ; 1964 Li, pl.V,4 ; 1982 Yang,p.471.pls.5,1;14,2; 1992 Huang, p.78; 1974 Li et al.,p.3; 1978 Chen et al. (b), pl.CLXIII, 7 ; 1986 Ye et al.p.37.pl.11,4,4a.

Cladophlebis scariosa Harris 1931 1982 Liu et Zhou.p.33 ; 1982 Duan et Chen, p.511; 1992 Huang, p.78; 1986 Ye et al.p.37. pl.24,2,2a.

Cladophlebis shansiensis Sze 1982 Duan et Chen, p.511.

Cladophlebis sp. 1964 Li, pl.VIII,2,2a ; 1982 Liu et Zhou.p.33; 1992 Huang,p.79.

Cladophlebis sp.(cf. *Todites goeppertianus* (Muenster) Krasser) 1986 Ye et al.p.38.pl.8,3,3a.

Cladophlebis sp.1 1986 Ye et al.p.39.pl.19,1,1a.

Cladophlebis sp.2 1986 Ye et al.p.39.pl.23,3.

Cladophlebis tingii Sze 1963 Sze et Lee, pl.38,2,2a ; 1982 Liu et Zhou.p.33.

Cladophlebis whitbyensis 1982 Liu et Zhou.p.33.

Cladophlebis whitbyensis var. *punctata* 1986 Ye et al.pl.20,1,1a.

Cladophlebis williamsoni (Brongniart) Seward 1964 Li, pl.V,2,2a ; 1982 Duan et Chen, p.500; 1992 Huang,p.79.

Cladophlebis xujiaheensis Yang 1982 Liu et Zhou.p.33.

Clathropteris Brongniart 1828

Clathropteris cf. *elegans* Ôishi 1940 1982 Liu et Zhou.p.34.

Clathropteris meniscioides Brongniart 1828 1964 Li, pls.II,1,2a,3,4 ;III,1-6 ; 1982 Yang,p.469.pl.7,1-4; 1982 Liu et Zhou.p.34; 1982 Duan et Chen, p.497.pl.4,9-11; 1992 Huang, p.78; 1974 Hu et al., p.174 ; 1974 Li et al.,pl.189,2,3,6,7 ; 1979 Xu et al., pls.XX, 7; XXI-XXV; XXVI, 1 6; XXVII, 1 ; 1986 Ye et al.p.27.pls.14,3 ;15,2 .

Clathropteris mongugaica Srebrodol'skaya 1961 1974 Li et al.,p.356.pl.189,4,5; 1978 Chen et duan,p.485.pl.166,1 ; 1982 Liu et Zhou.p.34; 1982 Yang,p.469. pls.8,4; 5,8-10; 1992 Huang, p.78; 1986 Ye et al.p.28.pl.17,2; 1987 Chen et al., p.96.pl.VIII,4 .

Clathropteris obovata Ôishi 1932 1982 Liu et Zhou.p.34 ; 1982 Yang,p.470.pl.5,11; 1982 Duan et Chen, p.497.pl.4,8; 1992 Huang, p.78.

Clathropteris platyphylla (Goeppert 1842) Brongniart 1849 1974 Li et al.,p.357.pl.189,1 ; 1982 Liu et Zhou.p.34 1992 Huang, p.78; 1986 Ye et al.p.29.pls.14,2; 15,1,1a,3,3a;17,6 ; 1987 Chen et al., p.97.pls.VIII,5-6 ; IX,1-2.

Clathropteris polygona Chow et Wu 1978 1978 Chen et duan,p.485.pl.168,3 ; 1987 Chen et al., p.97.pl.X,1.

Clathropteris reticulata 1982 Liu et Zhou.p.34.

Clathropteris sp. 1963 Sze et Lee, pl.52,7; 1982 Liu et Zhou.p.33 ; 1992 Huang, p.78.

Clathropteris sp. 1987 Chen et al., p.98.pl.IX,3,3a.

Clathropteris tenuinervis Wu 1976 1982 Liu et Zhou.p.34; 1992 Huang, p.78(cf.); 1986 Ye et al.p.29.pl.13,1.

Compsopteris Zalessky 1934

Compsopteris acutifida Ye et Chen 1986 1986 Ye et al.p.41.pls.25,1,3-4a ;32,6B ; 1992 Huang, p.79.

Conites Sternberg 1823

Conites sp. 1964 Li, pl.XVII,5; 1982 Liu et Zhou.p.38 ; 1982 Yang,p.480.pl.12,19.

Conites sp.1 1987 Chen et al., p.136.pl.XLV,5.
Conites sp.2 1987 Chen et al., p.137.pl.XLV,6-8.
Conites sp.3 1987 Chen et al., p.137.pl.XLV,9.
Ctenis Williamson ex Lingdley et Hutton 1834
Ctenis anomozamioides Lee 1964 1964 Li, pl.XIV,3,3a,4; 1982 Liu et Zhou.p.36 ; 1982 Wang et al.,p.269.pl.122,3; 1992 Huang, p.79 ; 1978 Chen et duan,p.520.pl.160,4.
Ctenis cf. *C. yungjenensis* Chu 1975 1986 Ye et al., pl.41,2,2a.
Ctenis chaoi Sze 1933 1964 Li, pls.II,2b;XIV,1,1a,2;XVIII,4a; 1982 Liu et Zhou.p.36 ; 1992 Huang, p.79 ; 1974 Li et al., p.359.pl.186,8 ; 1986 Ye et al., p.59.pl.40,4,4a.
Ctenis chinensis 1982 Liu et Zhou.p.36.
Ctenis denticulata Ye et Huang 1986 1986 Ye et al., p.59.pl.41,4,4a.
Ctenis japonica Ôishi 1931 1964 Li, pl.XVII,1,2; 1982 Liu et Zhou.p.36 ; 1992 Huang, p.79.
Ctenis kaixianensis Duan et Chen 1982 1982 Liu et Zhou.p.36 ; 1982 Duan et Chen, p.503.pl.12,2,3.
Ctenis nilssonii (Nathorst 1878) Harria 1932 1986 Ye et al., p.60.pl.42,3,3a.
Ctenis recurvus Yang 1978 1978 Chen et duan,p.521.pl.163,12 ; 1982 Liu et Zhou.p.36.
?Ctenis sp. 1964 Li, pl.XVII,3; 1982 Duan et Chen, p.504.pl.10,9;1992 Huang, p.80.
Ctenis sp.1 1987 Chen et al., p.108.pl.XXII,4.
Ctenis sp.2 1987 Chen et al., p.108.pl.XXII,5.
Ctenis yamanarii Kawasaki 1986 Ye et al., p.60.pls.40,2,2a ;41,1A,1a.
Ctenis? mirabilis Ye et Huang 1986 1986 Ye et al., p.59.pls.41,3,3a ;42,4,4a.
Ctenozamites Nathorst 1886
Ctenozamites baodingensis Chen et Duan 1979 1987 Chen et al., p.102.pl.XIII,6-7 ;XIV,1.
Ctenozamites cf. *cycadea* (Berger 1832) Schenk 1887 1982 Liu et Zhou.p.36 (cf.); 1986 Ye et al.p.62. pl.40,3,3a; 1992 Huang, p.78.
Ctenozamites cf. *microloba* Chen et Duan 1979 1987 Chen et al., p.103.pl.XVI,7,7a(cf.).
Ctenozamites cycadea (Berger 1832) Schenk 1887 1986 Ye et al.p.62.pl.40,3,3a; 1987 Chen et al., p.103.pls.XV,2 ;XVI,1-4.
Ctenozamites otoeis Chen et Zhang 1979 1987 Chen et al., p.103.pls.XV,3 ;XXV,7.
Ctenozamites rigida Liu 1987 Chen et al., p.104.pls.XIV,2 ;XV,1.
Ctenozamites sp. 1982 Liu et Zhou.p.36; 1992 Huang, p.78.
Ctenozamites sp.1 1987 Chen et al., p.104.pl.XVI,10.
Ctenozamites sp.2 1987 Chen et al., p.104.pl.XVI,8.
Cycadocarpidium Nathorst 1886
Cycadocarpidium erdmannii Nathorst 1886 1974 Li et al., p.361.pls.186,10,11 ;192,8-11; 1978 Chen et duan,p.533.pl.183,5-7 ; 1982 Liu et Zhou.p.38; 1982 Yang,p.484.pl.14,7-12;4,11-14; 1982 Duan et Chen, p.509.pl.16,7-10; 1992 Huang,p.80 ; 1986 Ye et al.p.84.pls.51,6A,6a;52,11,11a,13a,15,15a;53,8,8a; 1987 Chen et al., p.129.pls.XLII,1-3 ;XLV,14.
Cycadocarpidium sp. 1982 Liu et Zhou.p.38; 1992 Huang,p.80.
Cycadocarpidium swabii Nathorst 1911 1982 Liu et Zhou.p.38.; 1992 Huang,p.80 ; 1986 Ye et al.p.85.pls.52,3,5,10,10a;53,4-5a.
Cycadocarpidium szechuanensis 1982 Liu et Zhou.p.38.
Cycadocarpidium tricarpum Prinada 1940 1982 Liu et Zhou.p.38; 1982 Yang,p.484.pl.14,4-6.

Cycadolepis Saporta 1873
Cycadolepis cf. *tomentosa* Sze 1942 1982 Liu et Zhou.p.37.
Cycadolepis corrugata Zeiller 1903 1982 Liu et Zhou.p.37; 1982 Yang,p.476. pl.12,8-15; 1992 Huang,p.79; 1986 Ye et al., p.55.pl.33,3,7,7a.
Cycadolepis johanssoni 1982 Liu et Zhou.p.37.
Cycadolepis rugosa Johansson 1992 Huang,p.79.
Cycadolepis Saporta 1873
Cycadolepis sp. 1982 Liu et Zhou.p.36.
Cycadolepophyllum Yang 1978
Cycadolepophyllum anomozamioides Yang 1982 1982 Liu et Zhou.p.37 ; 1982 Yang,p.475.pl.12,6,7.
Cycadolepophyllum changningensis Yang 1982 1982 Liu et Zhou.p.37 ; 1982 Yang,p.474.pl.12,3-5.
Cycadolepophyllum minor Yang 1978 1978 Chen et duan,p.510.pls.163,11 ;175,4 ; 1982 Liu et Zhou.p.37.
Cynepteris Ash 1969
Cynepteris lasiophora Ash 1986 Ye et al.p.25.pls.50,7B;56,2,2a.
Czekanowskia Heer 1876
Czekanowskia sp. 1964 Li, pl.XX,1a; 1982 Liu et Zhou.p.37 ; 1992 Huang,p.80.
Czekanowskia sp. 1987 Chen et al., p.126.pl.XXXVII,7.
Danaeopsis Presl 1845
Danaeopsis fecunda Halle 1921 1974 Hu et al., p.174 ; 1979 Xu et al., pl.X, 1-1a; 1982 Liu et Zhou.p.32; 1982 Yang,p.467.pl.3,1-7; 1986 Ye et al.,p.22.pls.7,2-3a;8,5; 1987 Chen et al., p.90.pls.IV,8-9a ;V,1-2.
Danaeopsis sp. 1982 Liu et Zhou.p.32.
Danaeopsis sp. 1987 Chen et al., p.91.pl.V,3.
Dentopteris Huang 1992
Dentopteris platyphylla Huang 1992 1992 Huang, p.179.pl.19,3,5,7;20,13.
Dentopteris stenophylla Huang 1992 1992 Huang, p.179.pl.18,1,1a.
Desmiophyllum Lesquereux 1878
Desmiophyllum sp. 1982 Liu et Zhou.p.39; 1992 Huang, p.78.
Dictyophyllum Lindley et Hutton 1834
Dictyophyllum cf. *nilssonii* (Brongniart 1828) Goeppert 1846 1982 Liu et Zhou.p.32 ; 1992 Huang, p.78.
Dictyophyllum exile (Brauns 1862) Nathorst 1878 1974 Hu et al., p.174 ; 1982 Liu et Zhou.p.32; 1982 Yang,p.470.pl.8,5-7.
Dictyophyllum gracile (Turutanova-Ketova 1962) Chu 1979 1982 Duan et Chen, p.497.pl.4,12; 1982 Liu et Zhou.p.32.
Dictyophyllum exile (Brauns 1862) Nathorst 1878 1987 Chen et al., p.98.pl.X,2.
Dictyophyllum muensteris (Goeppert) Nathorst 1982 Li et Wu, pl.XI,1,2.
Dictyophyllum nathorstii Zeiller 1903 1964 Li, pls. I,4,5 ;III,7,7a,7b ; 1982 Liu et Zhou.p.32 ; 1982 Yang,p.470.pl.6,1-6; 1982 Duan et Chen, p.498.pl.4,5-7 ; 1992 Huang, p.78; 1974 Hu et al., p.174 ; 1974 Li et al.,p.356.pl.190,6 ; 1978 Zhang, pl.CLXI, 4 ; 1979 Xu et al., pls.XXVI, 7; XXVII, 8; XXIX-XXXI; XXXII, 1 ; 1986 Ye et al.p.27. pls.14,1 ;16 ; 1987

Chen et al., p.98.pl.X,4-6 ; 1974 Li et al.,p.356.pl.190,7,8; 1978 Zhang, pl.CLXI, 1; 1987 Chen et al., p.99.pl.X,7-8.

Dictyophyllum serratum (Kurr ex Schimper 1869) Frentzen 1922 1987 Chen et al., p.98.pl.X,3.
Dictyophyllum sp. 1982 Liu et Zhou.p.32.

Doratophyllum Harris 1932

Doratophyllum astartensis Harris 1986 Ye et al.,p.63.pl.45,3B.

Doratophyllum decoratum Lee 1964 1964 Li, plXVI,1,1a,3,5-8; 1982 Liu et Zhou.p.37; 1986 Ye et al.,p.64. pl.43,1;44,2.

Doratophyllum hsuchiahoense Lee 1964 1964 Li, pl.XVI,2,2a,4; 1982 Liu et Zhou.p.37; 1992 Huang, p.80.

Doratophyllum hsuchiahoense Lee 1964 1974 Li et al., p.360.pl.194,1-3.

Doratophyllum hsuchiahoense Lee 1964 1986 Ye et al.,p.64.pls.43,4,4a;44,1,3-4a.

Doratophyllum sp. 1982 Liu et Zhou.p.37; 1992 Huang, p.80.

Doratophyllum sp. 1986 Ye et al.,p.64.pls.43,3,3a;45,3A-3c.

Drepanozamites Harris 1932

Drepanozamites multipartitus Chen et Duan 1987 Chen et al., p.118.pl.XXIX,1-2.

Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1964 Li, pl.IX,3-5 ; 1982 Liu et Zhou.p.37; 1982 Yang, p.482.pls.4,10-10a;9,2; 1992 Huang,p.79 ; 1974 Hu et al., p.174 ; 1974 Li et al., p.360.pl.194,9-11; 1978 Chen et duan,p.523.pl.165,10 ; 1987 Chen et al., p.117.pls.XXVII,3-4 ; XXVIII,5-6 ;XXX,1; XXVIII,7(cf.)

Drepanozamites sp. 1982 Liu et Zhou.p.37.

Dukouphyllum Yang 1978

Dukouphyllum shensiensis (Sze) Yang 1982 1982 Liu et Zhou.p.38 ; 1982 Yang,p.483.pl.3,9.

Elatocladus Halle 1913

Elatocladus sp. 1982 Liu et Zhou.p.38 ; 1982 Duan et Chen, p.51; 1992 Huang, p.80.

Elatocladus sp.1 1986 Ye et al.,p.78.pl.49,6,6a.

Elatocladus sp.2 1986 Ye et al.,p.78,49,3.

Equisetites Sternberg 1833

Equisetites acanthodon Sze 1982 Liu et Zhou.p.32.

Equisetites aff. *multidentatus* Oishi 1932 1982 Liu et Zhou.p.32.

Equisetites brevidentatus Sze 1956 1982 Liu et Zhou.p.32.

Equisetites hulukouensis Yang 1982 1982 Liu et Zhou.p.32; 1982 Yang,p.465. pl.2,4,5.

Equisetites intermedius Erdtman 1986 Ye et al.,p.14.pls.2,1A,1a;3,2A,2B,2a;56,1.

Equisetites koreanicus Kon'no 1986 Ye et al.,p.15.pls.1,3,3a,7;2,4,6.

Equisetites laevis 1982 Liu et Zhou.p.32.

Equisetites muensteri Sternberg 1833 1982 Liu et Zhou.p.32.

Equisetites sarranii (Zeiller 1902) Halle 1908 1982 Liu et Zhou.p.32; 1982 Yang,p.466. pls.2,6;14,1; 1992 Huang, p.80; 1986 Ye et al.,p.16.pls.2,1B,3,3a,6; 4,1-2a.

Equisetites scanicus (Sternberg) Halle 1986 Ye et al.,p.16.pls.1,5;2,7,7a.

Equisetites sp. 1964 Li, pl.IX,1b ; 1982 Liu et Zhou.p.32.

Equisetites sp.1 1986 Ye et al.,p.17.pl.2,5.

Equisetites sp.2 1986 Ye et al.,p.17.pl.2,2,2a.

Equisetites veronensis 1982 Liu et Zhou.p.32.

Equisetites weiyuanensis Yang 1982 1982 Liu et Zhou.p.32; 1982 Yang,p.465. pl.2,1-3.

Equisetostachys Jongmans 1927
Equisetostachys sp. 1986 Ye et al., p.17.pl.3,2C,2a,4,4a,5,5a.
Equisetostachys sp. 1992 Huang, p.78.
Equisetum Linnaeus 1753
Equisetum cf. *takahashi* (Kon'no) 1987 Chen et al., p.88.pl.III,3.
Equisetum multidentatum (Ôishi) 1987 Chen et al., p.87.pl.II,8.
Equisetum sarranii Zeiller 1902 1974 Hu et al., p.174 ; 1982 Duan et Chen, p.493.pl.1,2; 1987 Chen et al., p.88.pl.III,2,4,5.
Equisetum sp. 1982 Duan et Chen, p.494.pl.1,1.
Equisetum sp. 1987 Chen et al., pl.III,6-8.
Eretmophyllum sp. 1986 Ye et al.p.70.pl.47,6.
Eretmophyllum Thomas 1913 emend Harris 1974
Ferganiella Prinada 1936
Ferganiella otozamioides 1982 Yang 1982 Liu et Zhou.p.38 ; 1982 Yang,p.485.pl.16,5,5a.
Ferganiella podozamioides Li 1974 Li et al., p.362.pl.193,4-9; 1986 Ye et al.,p.82.pl.52,1; 1987 Chen et al., p.130.pl.XXXIX,3-5; 1982 Liu et Zhou.p.38; 1982 Yang,p.485.pl.16,1-4; 1992 Huang,p.80.
Ferganiella sp. 1982 Liu et Zhou.p.38 ; 1982 Duan et Chen, p.511; 1992 Huang,p.80.
*Ferganiella weiyuanensis*1982 Yang 1982 Liu et Zhou.p.38 ; 1982 Yang,p.485.pl.16,6-8.
Ginkgo Linnaeus 1735
Ginkgo cf. *huttoni* (Sternberg) Heer 1987 Chen et al., p.121.pl.XXXIV,3.
Ginkgo lepida Heer 1987 Chen et al., p.120.pls.XXXIII,4-5 ;XXXIV,1.
Ginkgo obrutschewi Seward. 1987 Chen et al., p.119.pl.XXXIV,2.
Ginkgo sibiricas Heer 1987 Chen et al., p.120.pl.XXXIV,6-7.
Ginkgo sp. 1987 Chen et al., p.121.pl.XXXV,1-2 ; 1987 Chen et al., p.121.pl.XXXV,1-2.
Ginkgo taeniata (Braun) Nathorst 1987 Chen et al., p.120.pls.XXXIII,6 ;XXXIV,4-5.
Ginkgoites Seward 1919
Ginkgoites cf. *G. huttoni* (Sternberg) Seward 1986 Ye et al.,p.67.pl.46,9,10.
Ginkgoites cf. *sibiricus* (Heer) Seward 1964 Li, plXIX,7,8; 1982 Liu et Zhou.p.37; 1982 Duan et Chen, p.506.pl.13,1(cf.).
Ginkgoites pseudobocata 1982 Liu et Zhou.p.37.
Ginkgoites qamdoensis Li et Wu 1982 1982 Li et Wu, pls.VI,4; XVI,2.
Ginkgoites shensiense Sze 1982 Li et Wu, pl.XVII,3,4.
Ginkgoites sp. 1964 Li, pl.XIX,9-10; 1982 Liu et Zhou.p.37; 1992 Huang,p.80.
Gleichenites Goepfert 1836
Gleichenites sp. 1982 Liu et Zhou.p.33.
Gleichenites yipinglangensis Li et Tsao 1976 1982 Liu et Zhou.p.33; 1986 Chen et al.p.39.pl.3,5-5a.
Glossophyllum Kraeusel 1943
Glossophyllum shensiensis Sze 1956 1979 Xu et al., pls.LXIX, 4, 5; LXX, 1-3; 1982 Liu et Zhou.p.37; 1982 Duan et Chen, p.507.pl.15,1-3; 1987 Chen et al., p.119.pls.XXXII,3 ;XXXIII,2-3.
Glossophyllum sp. 1982 Liu et Zhou.p.37 ; 1982 Duan et Chen, p.508.pl.15,4.
Glossopteris Brongniart 1828

Glossopteris cf. *angustifolia* Brongniart 1831 1982 Liu et Zhou.p.39.

Glossopteris sp. 1982 Liu et Zhou.p.39.

Goepertella Oishi et Yamasita 1936

Goepertella kochibei (Yokoyama) Li 1974 Li et al.,p.357.pl.190,1 ; 1978 Chen et duan,p.490.pls.167,4 ;176, 3 ; 1982 Liu et Zhou.p.34 .

Goepertella kwangyuanensis Lee 1964 1963 Sze et Lee, pl.109,1; 1964 Li, pls.II,5 ;IV,1a ;V,1 ; 1982 Liu et Zhou.p.34 ; 1992 Huang, p.78; 1978 Chen et duan,p.490.pl.166,6.

Goepertella mianningensis Yang 1978 1978 Chen et duan,p.491.pl.168,5.

Goepertella microloba (Schenk 1867) Oishi et Yamasita 1936 1987 Chen et al., p.100.pl.XII,1-3.

Goepertella sp. 1982 Liu et Zhou.p.34 .

Hartzia Harris 1935

Hartzia tenuis Harris 1986 Ye et al.p.73.pl.47,10,10a.

Hausmannia Dunker 1846

Hausmannia cf. *dentata* 1982 Liu et Zhou.p.34.

Hausmannia chiropteroides Huang 1992 1992 Huang, p.78.

Hausmannia emiensis Wu 1974 Li et al.,p.357.pl.190,2-5 ; 1978 Chen et duan,p.486.pl.166,2 ; 1982 Liu et Zhou.p.34.

Hausmannia nariwaensis Ôishi 1930 1982 Liu et Zhou.p.34.

Hausmannia sp. 1982 Liu et Zhou.p.34; 1982 Duan et Chen, p.498.pl.5,4.

Hausmannia szechuanensis 1982 Liu et Zhou.p.34.

Hausmannia ussuriensis Kryshstofovich 1986 Ye et al.p.30.pls.13,3A;14,6.

Hausmannia ussuriensis Kryshstofovich 1992 Huang, p.78.

Hicriopteris Presl 1851

Hicriopteris triassica Duan et Chen 1979 1987 Chen et al., p.96.pls.VII ;VIII,7,7a.

Hyrcaopteris Kryshstofovich et Prinada 1933

Hyrcaopteris sevanensis Kryshstofovich et Prynada 1974 Li et al.,pl.193,1-3.

Ixostrobus lepidus (Heer) Harris 1986 Ye et al.,p.75.pl.48,5,5a.

Ixostrobus Raciborski 1892 emend. Harris 1974

Ixostrobus sp. 1986 Ye et al.,p.75.pl.48,6,6a,9A,9a.

Ixostrobus sp. 1992 Huang, p.80.

Lepidopteris Schimper 1869

Lepidopteris ottonis (Goepert 1836) Schimper 1869 1982 Liu et Zhou.p.34.

Lepidopteris sp. 1982 Liu et Zhou.p.34; 1992 Huang, p.78.

Leptostrobus Heer 1876 emend. Harris 1951

Leptostrobus cancer Harris 1986 Ye et al.p.74.pl.48,7,7a.

Lindleycladus Harris 1979

Lindleycladus lanceolatus (Lindley et Hutton) Harris 1986 Ye et al.p.83.pl.52,9.

Lobatannularia Kawasaki 1927

Lobatannularia chuandianensis (Wang) Duan et Chen 1987 Chen et al., p.88.pl.IV,6.

Lobatannularia hechuanensis Duan et Chen 1982 1982 Liu et Zhou.p.32; 1982 Duan et Chen, p.493. pl.2,1.

Lobatannularia kaixianensis Duan et Chen 1982 1982 Liu et Zhou.p.32; 1982 Duan et Chen,p.492. pls.1,6-8;2,3.

Macrotaeniopteris Schimper 1869

Macrotaeniopteris sp. 1982 Liu et Zhou.p.37.

Marattia Swartz 1788

Marattia asiatica (Kawasaki 1939) Harris 1961 1987 Chen et al., p.91.pl.V,5,5a .

Marattia hörensis (Schimper) Harris 1987 Chen et al., p.92.pl.VI,1-3.

Marattia münsteri (Goeppert 1841) Schimper 1879 1974 Hu et al., p.174 ; 1987 Chen et al., p.91.pl.V, 4,4a.

Marattia sichuanensis Chen et Duan 1987 Chen et al., p.93.pl.V,6-6a.

Marattiopsis Schimper 1869

Marattiopsis muensteri (Goeppert) Schimper 1963 Sze et Lee, pl.14,7-9.

Nagatostrobos Kon'no 1962

Nagatostrobos linearis Kon'no 1962 1982 Liu et Zhou.p.38 ; 1992 Huang, p.80; 1986 Ye et al.p.86. pls.52,4,6,12,12a;53,9-11.

Neoannularia Wang 1977

Neoannularia chuandianensis Wang 1977 1977 Wang,p.187. pl.I, 10.

Neocalamites Halle 1908

Neocalamites carcinoides Harris 1931 1982 Liu et Zhou.p.32; 1992 Huang, p.78; 1986 Ye et al.,p.18. pls.4,7;6,1,1a;8,1,1a.

Neocalamites carrerei (Zeiller 1902) Halle 1908 1964 Li, pl.I,3 ; 1982 Yang,p.464. pl.1,1-3a,4; 1982 Duan et Chen, p.493.pl.1,2; 1974 Hu et al., p.174 ; 1974 Li et al., p.355.pl.186,6,7 ; 1979 Xu et al., fig.7C; pl.I, 1-4 ; 1986 Ye et al.,p.18.pl.4,6,6a; 1987 Chen et al., p.86.pl.II,1.

Neocalamites hoerensis (Schimper 1869) Halle 1908 1982 Liu et Zhou.p.32; 1992 Huang, p.78; 1986 Ye et al.,pl.6,2,2a.

Neocalamites merianii (Brongniart 1828) Halle 1908 1982 Liu et Zhou.p.32.

Neocalamites nathorsti 1992 Huang, p.78.

Neocalamites rugosus Sze 1956 1978 Chen et duan,p.471.pl.156,3 ; 1982 Liu et Zhou.p.32; 1982 Yang,p.464. pl.1,5,6; 1987 Chen et al., p.86.pl. II,2,3,6.

Neocalamites sp. 1982 Liu et Zhou.p.32; 1982 Duan et Chen, p.493.pl.1,4;

Neocalamites sp.1 1987 Chen et al., p.87.pl.II,7.

Neocalamites sp.2 1987 Chen et al., p.87.pl.II,4-5.

Nilssonia Brongniart 1825

Nilssonia acuminata (Presl 1838) Goeppert 1844 1963 Sze et Lee, pl.72,2(cf.); 1982 Liu et Zhou.p.36 ; 1974 Hu et al., p.174 ; 1987 Chen et al., p.105. pls.XVII,4-5 ;XVIII,5.

Nilssonia aequale 1992 Huang, p.79.

Nilssonia compta (Phillips 1829) Goeppert 1844 1982 Liu et Zhou.p.36.

Nilssonia furcata Chow et Yao 1968 1974 Li et al., p.359.pl.191,11 ; 1982 Liu et Zhou.p.36 ; 1986 Ye et al., p.56.pls.35,5,5a ;36,1,3.

Nilssonia grossinervis Pryn. 1982 Liu et Zhou.p.36; 1982 Yang,p.481.pl.9,6-11.

Nilssonia helmerseniana (Heer) 1987 Chen et al., p.106.pl.XX,1.

Nilssonia laxa Duan et Chen 1987 1987 Chen et al., p.106.pls.XVIII,4 ;XIX,1 ;XX,2.

Nilssonia linearis Sze 1933 1982 Liu et Zhou.p.36.

Nilssonia magnifolia Tsao 1982 Liu et Zhou.p.36.

Nilssonia muensteri Presl 1982 Li et Wu, pl.XXII,1A,1a(cf.).

Nilssonia orientalis Heer 1878 1963 Sze et Lee, pl.56,3,4 ; 1982 Liu et Zhou.p.36.

Nilssonia princeps (Oldham et Morris 1863) Seward 1917 1974 Hu et al., p.174 ; 1982 Liu et

Zhou.p.36.

Nilssonia pterophylloides Nathorst 1878 1982 Liu et Zhou.p.36 ; 1992 Huang,p.79 ; 1987 Chen et al., p.106.pls.XXI,1 ;XXII,2.

Nilssonia ptilophylloides Tsao 1987 Chen et al., p.107.pls.XVIII,2-3 ;XIX,2.

Nilssonia sp. 1982 Liu et Zhou.p.36 ; 1992 Huang, p.79.

Nilssonia sp.1 1979 Xu et al., pls. XLII, 1 7; XLIII,3-4.

Nilssonia sp.1 1987 Chen et al., p.107.pl.XXI,3.

Nilssonia sp.2 1987 Chen et al., p.107.pl.XXII,3.

Nilssonia sp.3 1979 Xu et al., pl.XLI,4.

Nilssonia sp.3 1987 Chen et al., p.107.pl.XXI,4.

Nilssonia yungyanensis Yang 1978 1982 Liu et Zhou.p.36 ; 1978 Chen et duan,p.520.pl.177,4.

Nilssonia zeilleri 1982 Liu et Zhou.p.36.

Nilssoniopteris Nathorst 1909

Nilssoniopteris cf. *tenuinervis* (Braun) Nathorst 1982 Duan et Chen, p.503.pl.10,10,11.

Osmundopsis Harris 1931 emend. 1961

Osmundopsis plectrophora Harris 1982 Liu et Zhou.p.34; 1986 Ye et al., p.24.pls.9,4 ;10,2,2a ;55,1-1b.

Otozamites Braun 1843

Otozamites baiguowanensis Yang 1978 1978 Chen et duan,p.512.pl.178,3.

Otozamites cf. *bengalensis* Oldham & Morris 1964 Li, pl.XI,4,4a ; 1982 Liu et Zhou.p.35.

Otozamites indosinensis Zeiller 1903 1982 Liu et Zhou.p.35.

Otozamites ptilophylloides Barnard et Miller 1986 Ye et al., p.51.pls.31,4,4a ;32,6A.

Otozamites sp. 1964 Li, pl.XI,5,5a ; 1982 Liu et Zhou.p.35.

Ourostrobos Harris 1935

Ourostrobos nathorsti Harris 1986 Ye et al.p.87.pl.53,1,1a.

Pachypteris Brongniart 1828

Pachypteris chinensis Hsü et Hu 1986 Ye et al.p.42.pl.26,5,5a.

Pagiophyllum Heer 1881

Pagiophyllum sp. 1992 Huang, p.80.

Pecopteris (Brongniart 1822) Brongniart 1825

Pecopteris crassinervis Yang et Chen 1982 1982 Liu et Zhou.p.34; 1982 Yang,p.472.pl.4,4-6.

Pecopteris sp. 1987 Chen et al., p.102.pl.XIII,5,5a.

Phlebopteris Brongniart 1837

Phlebopteris braunii (Goeppert 1841) Hirmer et Hoerhammer 1936 1982 Liu et Zhou.p.32.

Phlebopteris linearifolia Sze 1982 Liu et Zhou.p.32.

Phlebopteris muensteri (Schenk 1867) Hirmer et Hoerhammer 1936 1982 Liu et Zhou.p.32.

Phlebopteris xiangyunensis Li et Tsao 1974 1974 Li et al.,p.356.pl.188,1-7; 1978 Chen et duan,p.482. pl.166,4-5 ; 1982 Duan et Chen, p.495.pl.3,5,6.

Phyllothea Brongniart 1828

Phyllothea sp. 1963 Sze et Lee, pl.XI,2-8.

Pityophyllum (Nathorst 1897) Seward 1919

Pityophyllum cf. *staratschini* Heer emend. Nathorst 1964 Li, pl.XX,1b,4; 1982 Liu et Zhou.p.38.

Pityophyllum longifolium (Nathorst 1878) Moeller 1903 1964 Li, pl.XVIII,4b; 1992 Huang, p.80 ; 1978 Chen et duan,p.531.pl.184,3-4 ; 1987 Chen et al., p.130.pl.XXXVIII,1.

Pityophyllum nordenskiöldi 1986 Ye et al., p.50,7A ; 1982 Liu et Zhou, p.38.
Pityophyllum sp. 1982 Liu et Zhou, p.38 ; 1982 Duan et Chen, p.511.
Pityophyllum sp. 1982 Liu et Zhou, p.38.
Pityostrobus (Nathorst) Dutt. 1916
Pityostrobus yanbianensis Chen et Duan 1987 Chen et al., p.131, pl. XXXVIII, 2-4a.
Podozamites Braun 1843
Podozamites astartensis Harris 1982 Liu et Zhou, p.38.
Podozamites cf. *lanceolatus* (Lindley et Hutton 1837) Braun 1843 1987 Chen et al.,
p.127, pls. XL, 1-4 ; XLI, 2-3.
Podozamites cf. *P. issykkulensis* Genkina 1986 Ye et al., p.79, pl.50, 8-9a.
Podozamites cf. *P. punctatus* Harris 1986 Ye et al., p.80, pl.51, 1A.
Podozamites cf. *renei* 1992 Huang, p.80.
Podozamites distans (Presl 1838) Braun 1843 1982 Duan et Chen, p.508, pl.15, 7; 1986 Ye et
al., p.79, pls.50, 6; 51, 2; 1992 Huang, p.80.
Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 1974 Li et al., p.361, pl.193, 12 ;
1974 Hu et al., p.174 ; 1978 Chen et duan, p.532, pl.184, 1 ; 1992 Huang, p.80.
Podozamites lanceolatus f. *intermedia* 1964 Li, pl. XX, 2; 1982 Liu et Zhou, p.38.
Podozamites lanceolatus f. *latior* 1982 Liu et Zhou, p.38.
Podozamites lanceolatus f. *minor* 1982 Liu et Zhou, p.38.
Podozamites lanceolatus f. *ovalis* 1964 Li, pl. XX, 1c; 1982 Liu et Zhou, p.38.
Podozamites minuta 1992 Huang, p.80.
Podozamites mucronatus Harris 1986 Ye et al., p.80, pl.50, 3.
Podozamites ovalis Nathorst 1987 Chen et al., p.128, pl. XXXIX, 7.
Podozamites schenkii Heer 1876 1974 Hu et al., p.174 ; 1982 Liu et Zhou, p.38 ; 1982 Duan et
Chen, p.508, pls. 15, 5, 6; 16, 2; 1986 Ye et al., p.80, pl.50, 4, 5; 1987 Chen et al., p.128, pl. XXXIX, 1-2.
Podozamites sichuanensis Chen et Duan 1987 Chen et al., p.129, pl. XXXIX, 6.
Podozamites sp. (cf. *Podozamites astartensis* Harris) 1986 Ye et al., p.81, pls. 51, 4-5a; 52, 7.
Podozamites sp. (cf. *Podozamites griesbachi* Seward) 1986 Ye et al., p.81, pl. 52, 2..
Podozamites sp. (cf. *Podozamites stewartensis* Harris) 1986 Ye et al., p.80, pl. 51, 3A, 6B.
Podozamites sp. 1964 Li, pl. XX, 3; 1982 Liu et Zhou, p.38 ; 1982 Duan et Chen, p.511.
Podozamites sp. 1992 Huang, p.80.
Pseudoctenis Seward 1911
Pseudoctenis hechuanensis Chen et Duan 1982 1982 Liu et Zhou, p.3; 1982 Duan et Chen,
p.504, pl. 12, 1.
Pseudoctenis hsüi P. Lee 1964 1964 Li, pl. XV, 1-4; 1982 Liu et Zhou, p.36; 1978 Chen et
duan, p.522, pl. 180, 4
Pseudoctenis sp. 1982 Liu et Zhou, p.36.
Pseudoctenis tiehshanensis 1992 Huang 1992 Huang, p.80.
Pseudoctenis xiphida Ye et Huang 1986 1986 Ye et al., p.62, pl. 44, 5, 5a.
Pseudotorellia Florin 1936
Pseudotorellia sp. 1986 Ye et al., p.71, pl. 51, 1B.
Pterophyllum Brongniart 1825
Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1974 Hu et al., p.174 ; 1974 Li et al.,
p.358, pl. 191, 1-4; 1978 Chen et duan, p.506, pls. 157, 5-6; 163, 5. CLXIII, 5 ; 1982 Liu et Zhou, p.34 ;

1982 Yang, p.477. pl.9,3,4; 1982 Duan et Chen, p.501.pl.8,6-8; 1992 Huang, p.79 ; 1987 Chen et al., p.110.pls.XVI,5-6; XXII,6-8.

Pterophyllum angustum (Braun 1843) Gothan 1914 1974 Hu et al., p.174 ; 1982 Liu et Zhou.p.35 ; 1992 Huang, p.79 ; 1986 Ye et al.p.44.pls.25,2 ;27,1-3 ;28,4; 1987 Chen et al., p.110.pl.XXIII,1-2.

Pterophyllum astartense Harris 1932 1982 Liu et Zhou.p.35 ; 1986 Ye et al.p.44.pl.27,7,7a.

Pterophyllum cf. *inconstans* 1982 Liu et Zhou.p.35.

Pterophyllum cf. *muensteri* (Presl 1838) Goeppert 1844 1982 Liu et Zhou.p.35.

Pterophyllum cf. *portali* Zeiller 1987 Chen et al., p.111.pl.XXIV,3(cf.).

Pterophyllum changningensis 1982 Yang,p.478.pl.12,17-18.

Pterophyllum contiguum Schenk 1883 1982 Liu et Zhou.p.34.

Pterophyllum costa Ye et Xu 1986 1986 Ye et al.p.45.pls.13,3B ;26,4,4a ;29,7,7a.

Pterophyllum decurrens Sze 1982 Liu et Zhou.p.34 ; 1992 Huang, p.79.

Pterophyllum exhibens Lee 1964 1964 Li, pls.X,1-5 ;XI,1-3 ; 1982 Liu et Zhou.p.34 ; 1982 Duan et Chen, p.501.pl.8,4,5; 1992 Huang, p.79 ; 1986 Ye et al.p.45.pl.28,6C; 1987 Chen et al., p.110.pl.XXIII,3-6.

Pterophyllum jaegeri Brongniart 1828 1974 Hu et al., p.174 ; 1982 Liu et Zhou.p.35; 1982 Duan et Chen, p.511; 1987 Chen et al., p.111.pl.XXIV,5.

Pterophyllum kochii Harris 1926 1982 Liu et Zhou.p.35 ; 1982 Yang,p.478.pls.9,5;11,4,5.

Pterophyllum leei Lee 1964 1964 Li, pl.XIII,1,1a,2,3,3a; 1982 Liu et Zhou.p.35.

Pterophyllum longifolium Brongniart 1828 1982 Liu et Zhou.p.34.

Pterophyllum nathorstii Schenk 1883 1982 Liu et Zhou.p.35.

Pterophyllum pinnatifidum Harris 1932 1974 Li et al., p.358.pl.191.9,10; 1982 Liu et Zhou.p.35; 1982 Duan et Chen, p.502.pl.9,1; 1986 Ye et al.p.45.pl.28,1,3; 1987 Chen et al., p.111.pl.XXIV,2,4; 1982 Liu et Zhou.p.35.

Pterophyllum ptilum Harris 1932 1974 Hu et al., p.174 ; 1974 Li et al., p.358.pl.191,5-8; 1982 Liu et Zhou.p.34; 1982 Duan et Chen, p.502.pls.9,2;10,6,7; 1992 Huang, p.79 ; 1986 Ye et al.p.46.pls.26,6,6a ;27,6,6a ;28,2,7,7a; 1987 Chen et al., p.112.pl.XXIV,1.

Pterophyllum ptilum var. *minor* 1982 Liu et Zhou.p.34.

Pterophyllum rosenkrantzi 1982 Liu et Zhou.p.35.

Pterophyllum schenkii Zeiller 1903 1982 Liu et Zhou.p.35.

Pterophyllum sichuanense Duan et Chen 1987 1987 Chen et al., p.112.pl.XXIV,6.

Pterophyllum sinense Lee 1964 1964 Li, pls.IV,1B; XII, 1-3,3A,4-7; 1982 Liu et Zhou.p.35; 1992 Huang, p.79 ; 1974 Li et al., p.359.pl.194,7,8; 1986 Ye et al.p.46.pl.27,4-5a.

Pterophyllum sp. 1982 Duan et Chen, p.511; 1992 Huang, p.79.

Pterophyllum subaequale Hartz 1896 1982 Liu et Zhou.p.35; 1982 Yang,p.479.pl.12,15b,16; 1992 Huang, p.79 ; 1986 Ye et al.p.47.pls.26,2 ;28,6A,6a,8.

Pterophyllum subangustum 1982 Liu et Zhou.p.35 ; 1982 Yang,p.479.pl.10,1-5.

Pterophyllum tietzei Schenk 1887 1982 Liu et Zhou.p.35 ; 1992 Huang, p.79 ; 1986 Ye et al.p.47.pls.29,3 ;30,2.

Ptilophyllum Morris 1837

Ptilophyllum contiguum 1982 Liu et Zhou.p.35.

Ptilophyllum sp. 1964 Li, pl.XI,6,6a.

Ptilophyllum sp. 1978 Chen et duan,p.514.pl.183,8.

Ptilozamites Nathorst 1878

Ptilozamites chinensis Xu 1950 1982 Liu et Zhou.p.34 ; 1982 Yang,p.473.pl.8,1,2; 1982 Duan et Chen, p.501. pl.9,5,6; 1992 Huang, p.79 ; 1986 Ye et al.p.43. pls.25,6,7 ;26,1.

Ptilozamites nilssonii Nathorst 1878 1978 Chen et duan,p.499.pl.158,5 ; 1982 Liu et Zhou.p.34.

Ptilozamites tenuis Ôishi 1932 1982 Liu et Zhou.p.34.

Radicitis Potonié 1893

Radicitis sp. 1982 Liu et Zhou.p.32;1982 Duan et Chen, p.511; 1992 Huang, p.78.

Radicitis sp. 1986 Ye et al.,p.21.pls.4,8;6,3,3a.

Rhizomopteris Schimper 1869

Rhizomopteris sp. 1986 Ye et al.p.40.pl.25,5,5a.

Rhizomopteris sp. 1992 Huang, p.78

Rireticopteris Xu et Chu 1974

Rireticopteris microphylla Xu et Chu 1974 1979 Xu et al., fig.12a, b; pls.XI, 5-5b; XII; XIII, 2, 2a.

Sagenopteris Presl 1838

Sagenopteris sp. 1982 Liu et Zhou.p.39.

Sagenopteris sp. 1987 Chen et al., p.105.pl.XVII,1.

Sagenopteris spatulata Sze 1987 Chen et al., p.104.pls.XVII,2-3 ;XVIII,1.

Samaropsis Goeppert 1865

Samaropsis sp. 1986 Ye et al.p.88.pl.53,6,6a.

Schizolepis F. Braun 1847 emend. Zhou 1963

Schizolepis gracilis Sze 1986 Ye et al.p.84.pls.48,9B,9b;52,16,16a; 1982 Liu et Zhou.p.38 ; 1982 Duan et Chen, p.511.

Schizolepis sp. 1982 Duan et Chen, p.511.

Schizoneura Schimper et Mougeot 1844

Schizoneura sp. 1986 Ye et al.,p.19.pl.5,1-2a.

Scoresbya Harris 1932

Scoresbya dentata Harris 1932 1978 Chen et duan,p.534.pls.180,5 ;167,5 ; 1982 Liu et Zhou.p.38 ; 1987 Chen et al., p.132.pl.XLII,8.

Scoresbya entegna Duan et Chen 1987 Chen et al., p.132.pl.XLII,9-10.

Scoresbya sp. 1982 Liu et Zhou.p.39.

Scoresbya szeiana Lee 1964 1964 Li, pl.XIX,12; 1982 Liu et Zhou.p.38 ; 1992 Huang, p.78; 1978 Chen et duan,p.534.pl.163,13.

Selaginella Spring 1805

Selaginella yunnanensis (Hsü) Hsü 1987 Chen et al., p.85.pl.I, 2-4 ; 1982 Liu et Zhou.p.32 ; 1982 Yang, p.464.pl.3,10 ; 1974 Hu et al., p.174 ; 1974 Li et al.p.354.pl.186,1-3; 1978 Chen et duan, p.470. pls. 156,5 ; 157,7.

Selaginellites Zeiller 1906

Sinoctenis Sze 1931

Sinoctenis calophylla Wu et Li 1968 1974 Li et al., p.359.pl.192,1-5; 1974 Li et al., p.359.pl.192,1-5 ; 1978 Chen et duan,p.523.pl.163,4 ; 1982 Liu et Zhou.p.37; 1982 Yang,p.483.pl.11,3; 1982 Duan et Chen, p.505.pl.12,5,6; 1992 Huang,p.79; 1986 Ye et al., p.53.pl.35,1,2,6,6a; 1987 Chen et al., p.115.pl.XXXI,3-4.

Sinoctenis cf. *brevis* 1982 Liu et Zhou.p.37.

Sinoctenis guangyuanensis Yang 1978 1978 Chen et duan,p.523.pl.178,5 ; 1982 Liu et Zhou.p.37.

Sinoctenis pterophylloides Yang 1978 1978 Chen et duan,p.524.pl.179,1 ; 1982 Liu et Zhou.p.37 ;

1987 Chen et al., p.116.pls.XXX,2-3 ;XXXI,2.
Sinoctenis sp. 1982 Liu et Zhou.p.37; 1982 Duan et Chen, p.511; 1992 Huang,p.79.
Sinoctenis sp.1 1987 Chen et al., p.117.pl.XXXIII,1.
Sinoctenis sp.2 1987 Chen et al., p.117.pls.XXI,2 ;XXII,1.
Sinoctenis stenorachis Duan et Zhang 1987 1987 Chen et al., p.116.pl.XXX,4.
Sinoctenis yunnanensis Li 1987 Chen et al., p.116.pls.XXXI,1 ;XXXII,1-2.
Sinoctenis zhonghuanensis Yang 1978 1982 Liu et Zhou.p.37; 1982 Yang,p.483.pl.11,2.
Sinophyllum Sze et Lee 1952
Sinophyllum sunii Sze et Lee 1952 1978 Chen et duan,p.531.pl.183,1 ; 1982 Liu et Zhou.p.38.
Sinozamites Sze 1956
Sinozamites cf. *leeiana* 1982 Liu et Zhou.p.37.
Sinozamites sp. 1974 Hu et al., p.174.
Sinozamites sp. 1982 Liu et Zhou.p.37.
Cf. *Sphenarion leptophylla* (Harris) Harris 1986 Ye et al.p.73.pls.48,3;56,3,3a.
Cf. *Sphenarion paucipartita* 1986 Ye et al.pl.56,4.
Sphenobaiera Florin 1936
Sphenobaiera cf. *spectabilis* (Nathorst 1906) Florin 1936 1987 Chen et al., p.125.pls.XXXVI,5;
XXXVII,1-2.
Sphenobaiera huangii (Sze 1949) Sze 1956 1987 Chen et al., p.124.pl.XXXVIII,5-6.
Sphenobaiera lobifolia Yang 1978 1978 Chen et duan,p.530.pl.184,7.
Sphenobaiera longifolia Yang 1978 1982 Liu et Zhou.p.37.
Sphenobaiera sp. 1986 Ye et al.p.69.pl.47,1,7-9.
Sphenobaiera sp. 1992 Huang,p.80.
Sphenobaiera sp.1 1987 Chen et al., p.125.pl.XXXVII,3.
Sphenobaiera sp.2 1987 Chen et al., p.125.pl.XXXVII,4.
Sphenobaiera spectabilis (Nathorst 1906) Florin 1936 1978 Chen et duan,p.529.pls.157,8;183,2 ;
1982 Liu et Zhou.p.37.
Sphenobaierocladus Yang 1986
Sphenobaierocladus sinensis Yang 1986 1986 Yang, pl.1-2,2a.
Sphenopteris (Brongniart 1822) Sternberg 1833
Sphenopteris chowkiawanensis 1956 1982 Duan et Chen, p.500.pl.8,2.
Sphenopteris sp. 1974 Hu et al., p.174.
Sphenozamites (Brongniart 1849) Miquel 1851
Sphenozamites cf. *yungjenensis* Xu et Tuan 1974 1987 Chen et al., p.115. pl.XXVIII,3-4(cf.).
Sphenozamites sp. 1982 Duan et Chen, p.511; 1992 Huang, p.79.
Spiropteris Schimper
Spiropteris sp. 1987 Chen et al., p.102.pl.IV,3.
Stachyopitys Schenk 1867
Stachyopitys sp. 1986 Ye et al.,p.76.pl.49,9,9a.
Stachyotaxus Nathorst 1886
Stachyotaxus elegans Nathorst 1992 Huang,p.177.pl.17,3.
Cf. *Staphidiophora? exile* 1986 Ye et al.,pl.53,3a.
Stenopteris Saporta 1872
Stenopteris bifurcata (Xu et Chen) Xu et Chen 1979 1992 Huang, p.79.

Stenorachis Saporta 1879(1875)
Stenorachis (Ixostrobos) konianus Ôishi et Huzioka 1964 Li, pl.XVII,4,4a; 1982 Liu et Zhou.p.38.
Stenorachis lepida (Heer) Seward 1982 Liu et Zhou.p.38 ; 1982 Duan et Chen, p.511.
Stenorachis sp. 1982 Liu et Zhou.p.38; 1992 Huang, p.80.
Stenorachis sp. 1986 Ye et al.,p.75.pl.48,8,8a.
Stenorachis sp. 1987 Chen et al., p.126.pl.XXXVII,8.
Cf. Stenorachis scanicus 1982 Liu et Zhou.p.38(cf.).
Strobilites Lindley et Hutton 1833
Strobilites sp. 1982 Liu et Zhou.p.38; 1982 Duan et Chen, p.511; 1992 Huang, p.80.
Strobilites sp. 1986 Ye et al.p.87.pl.53,2,2a.
Strobilites sp.1 1987 Chen et al., p.136.pls.XLI,4 ;XLV,4.
Strobilites sp.2 1987 Chen et al., p.136.pl.XLI,5-7.
Swedenborgia Nathorst 1876
Swedenborgia cryptomerioides Nathorst 1987 Chen et al., p.131.pl.XXXVIII,5-5a.
Symopteris densinervis Xu et Duan 1979 1979 Xu et al., pls.VI/VII, 4; X, 4 6; LVIII/LIX, 6.
Symopteris Xu 1979
Symopteris zeilleri (P'an) Hsü 1982 Liu et Zhou.p.32;1982 Yang,p.467.pl.5,6-6a.
Tachingia Hu 1975
Tachingia pinniformis Hu 1975 1979 Xu et al., pl.LXXI, 5-5b.
Taeniocladopsis Sze 1956
Taeniocladopsis rhizomoides Sze 1982 Liu et Zhou.p.32; 1982 Duan et Chen, p.494.pl.2,2 ; 1986 Ye et al.,p.20.pls.8,2;56,5.
Taeniocladopsis sp. 1982 Liu et Zhou.p.32 ; 1982 Duan et Chen, p.511; 1992 Huang,p.80.
Taeniopteris Brongniart 1828
Taeniopteris cf. parvula Heer 1987 Chen et al., p.134.pl.XLIV,6(cf.).
Taeniopteris cf. stenophylla Kryshtofovich 1987 Chen et al., p.135.pl.XLIV,7(cf.).
Taeniopteris lanceolata Ôishi 1987 Chen et al., p.133.pls.XLIII,4-5 ;XLV,13.
Taeniopteris leclerei Zeiller 1903 1974 Li et al., p.362.pl.191,12,13 ; 1982 Liu et Zhou.p.39.
Taeniopteris obliqua Chow et Wu 1982 Liu et Zhou.p.39.
Taeniopteris richthofenii (Schenk 1883) Sze 1933 1963 Sze et Lee, pl.70,5-7 ; 1982 Liu et Zhou.p.39 ; 1982 Duan et Chen, p.511; 1992 Huang, p.78; 1987 Chen et al., p.133.pl.XLIV,4-5.
Taeniopteris sp. 1974 Hu et al., p.174.
Taeniopteris sp. 1986 Ye et al.,p.88.pl.45,1.
Taeniopteris sp.1 1987 Chen et al., p.135.pl.XLV,2.
Taeniopteris sp.2 1987 Chen et al., p.135.pl.XLV,1.
Taeniopteris sp.3 1987 Chen et al., p.136.pl.XLV,3.
Taeniopteris stenophylla Kryshtofovich 1982 Liu et Zhou.p.39 ; 1982 Duan et Chen, p.509.pl.16,11,12.
Taeniopteris tenuinervis Brauns. 1982 Liu et Zhou.p.39.
Taeniopteris tenuinervis Brauns. 1987 Chen et al., p.134.pls.XLIII,1-3 ;XLIV,1 ; 1987 Chen et al., p.135.pl.XLIV,2-3(cf.).
Taeniopteris yunyanensis Yang 1978 1978 Cheti et al. (b), pl.CLV, 2 3
Taeniopteris yunyanensis Yang 1978 1982 Liu et Zhou.p.39.
Thallites Walton 1925

Thallites sp. 1964 Li, pl.I,1,1a ; 1982 Liu et Zhou.p.32.

Thallites sp. 1978 Chen et duan,p.469.pl.158,7.

Thallites sp. 1987 Chen et al., p.85.pl.I,1,1a.

Thaumatophyllum Yang 1978

Thaumatophyllum multilineatum Yang 1982 1982 Liu et Zhou.p.35; 1982 Yang,p.481.pl.13,12-14.

Thaumatophyllum ptilum (Harris 1932) Yang 1978 1978 Chen et duan,p.515.pl.163,14 ; 1982 Liu et Zhou.p.35 ; 1982 Yang,p.480. pls. 13,1-9;8,3;5,7.

Thaumatopteris brauniana Popp 1863 1964 Li, pl.I,6,6a ; 1982 Liu et Zhou.p.32.

Thaumatopteris cf. *nipponica* Oishi 1931 1982 Liu et Zhou.p.32.

Thaumatopteris Goeppert 1841

Thaumatopteris nipponica Oishi 1931 1986 Ye et al.p.27.pl.13,2.

Thaumatopteris remauryi (Zeiller 1903) Oishi et Yamasita 1936 1987 Chen et al., p.99.pl.XI,4.

Thaumatopteris schenkii Nathorst 1878 1982 Liu et Zhou.p.32.

Thaumatopteris sp. 1982 Liu et Zhou.p.32.

Thaumatopteris sp. 1987 Chen et al., p.100.pl.XI,2-3.

Thaumatopteris tenuinervis Yang 1978 1978 Chen et duan,p.488.pl.160,1.

Thaumatopteris vieillardii (Pelourde 1913) Oishi et Yamasita 1936 1987 Chen et al., p.99. pl.XI,1.

Thaumatopteris ?tenuinervis Yang 1978 1982 Liu et Zhou.p.32.

Thinnfeldia Von Ettingshausen 1852

Thinnfeldia rhomboidalis Ettingshausen 1852 1979 Xu et al., pl. XXXVIII, 1-2 ; 1982 Liu et Zhou.p.34.

Thinnfeldia rigida Sze 1986 Ye et al.p.41.pl.26,3.

Thinnfeldia sp. 1974 Hu et al., p.174.

Thinnfeldia sp. 1982 Liu et Zhou.p.34; 1992 Huang, p.79.

Todites (Cladophlebis) goeppertianus (Münster) Krasser 1982 Liu et Zhou.p.33.

Todites (Cladophlebis) williamsoni (Brongniart 1828) Seward 1900 1982 Liu et Zhou.p.32.

Todites Seward 1900 (emended Harris 1961)

Todites denticulatus (Brongniart 1828) Krasser 1921 1963 Sze et Lee, pl.20,3-4 ; 1982 Liu et Zhou. p.32 ; 1982 Yang,p.468.pl.14,3; 1982 Duan et Chen, p.495.pl.2,7,8; 1992 Huang, p.78; 1974 Li et al.,p.355,pl.187,1,2 ; 1978 Chen et duan,p.477.pl.165,9 ; 1979 Xu et al., fig.8; pl.XIII, 3-3b ; 1987 Chen et al., p. 94.pl.VI,4-5.

Todites goeppertianus (Münster) Krasser 1974 Li et al.,p.355,pl.187,5,6 ;188,10,11.

Todites kwangyuanensis (Li) Ye et Chen 1986 Ye et al., p.22.pls.17,1,5 ;18,1-2a,3,3a ;19,3,3a ;20,3,3a ;21; 1992 Huang, p.78.

Todites princeps (Presl 1838) Gothan 1914 1964 Li, pl.VII,4,4a ; 1982 Liu et Zhou.p.32 ; 1982 Yang,p.468.pl.4,7-9; 1982 Duan et Chen, p.511; 1992 Huang, p.78; 1974 Hu et al., p.174 ; 1974 Li et al.,p.355.pl.188,8,9 ; 1987 Chen et al., p.94.pl.VI,6-7a.

Todites scoresbyensis Harris 1987 Chen et al., p.95.pl.XIII,4.

Todites shensiensis (P'an 1936) Sze 1956 1979 Xu et al., pls.XIV; XV,1; 1982 Liu et Zhou.p.33 ; 1982 Yang,p.469.pl.5,2-5; 1981 Chen et Duan, p.153; 1992 Huang, p.78; 1986 Ye et al., p.2; 1987 Chen et al., p.95.pl.VIII,1,1a.

Todites sp. 1963 Sze et Lee, pl.19,3,3a ; 1982 Liu et Zhou.p.32.

Todites williamsoni (Brongniart 1828) Seward 1900 1987 Chen et al., p.95. pl.VIII,2-3.

Vardekloeftia Harris 1932

Vardekloeftia sulcata Harris 1986 Ye et al., p.65.pls.45,2-2b;56,6.
Xinlongia Yang 1978
Xinlongia hoheneggeri (Schenk 1869) Yang 1978 1978 Chen et duan, p.516.pl.178,7 ; 1982 Liu et Zhou.p.36.
Xinlongia Yang 1978
Xinlongia zamioides 1982 Yang 1982 Yang, p.482.pl.11,1.
Zamites Brongniart 1828
Zamites decurens Huang 1992 1992 Huang, p.175.pl.16,6.
Zamites hohenggera 1992 Huang, p.79.
Zamites jiangxiensis Yao et Li 1968 1982 Liu et Zhou.p.35 ; 1992 Huang, p.79 ; 1986 Ye et al., p.48.pls.28,9 ;29,1,2,4,4a.
Zamites rigidum 1982 Liu et Zhou.p.36.
Zamites sichuanensis Yang 1978 1978 Chen et duan, p.517.pl.163,10 ; 1982 Liu et Zhou.p.36.
Zamites sinensis 1982 Hu et Zhou.p.35 ; 1992 Huang, p.79 ; 1986 Ye et al., p.49.pl.29,5,5a.
Zamites sp. 1963 Sze et Lee, pl.68,4 ; 1992 Huang, p.92.
Zamites sp. 1974 Hu et al., p.174.
Zamites sp. 1987 Chen et al., p.114.pls.XXV,10 ;XXVIII,1-2.

South Jiangsu (1988 Wu et al., The 57th—173rd Well, Northern Meili Town, Changshu City ; 1982 Wang et al. and 1983 Ju et al., Fanjiachang, Longtan Village, Nanjing City, Fanjiatang Formation ; 1986 Ju et Lan, Lvjia Hill, Nanjing, Fanjiatang Formation)

Anomozamites Schimper 1870
Anomozamites cf. *amdrupiana* Harris 1988 Wu et al. pl.I,1,1a.
Anomozamites inconstans (Braun) 1983 Ju et al., pl.I,5.
Anomozamites minor (Brongniart) Nathorst 1983 Ju et al., pl.III,1.
Anthrophyopsis Nathorst 1878
Anthrophyopsis sp. 1983 Ju et al., pl.II,6.
Anthrophyopsis tuberculata Chow et Yao 1983 Ju et al., pl.II,4.
Anthrophyopsis venulosa Chow et Yao 1983 Ju et al., pl.II, 5.
Asterotheca Presl 1846
Asterotheca cottoni Zeiller 1983 Ju et al., pl.I,3.
Asterotheca latepinnata (Leuthardt) Hsü 1983 Ju et al., pl.III,4.
Carpolithus Brongniart 1822
Carpolithus sp. 1986 Ju et Lan, p.83.
Cladophlebis Brongniart 1849
Cladophlebis raciborskii 1986 Ju et Lan, p.83.
Cladophlebis sp. 1986 Ju et Lan, p.83.
Clathropteris Brongniart 1828
Clathropteris meniscioides Brongniart 1983 Ju et al., pl.II,8.
Ctenozamites Nathorst 1886
Ctenozamites sp. 1983 Ju et al., pl.III,5,8.
Cycadocarpidium Nathorst 1886
Cycadocarpidium sp. 1983 Ju et al., pl.III,10.
Czekanowskia Heer 1876

Czekanowskia rigida 1986 Ju et Lan, p.83.
Danaeopsis Presl 1845
Danaeopsis marantacea (Presl) Heer 1983 Ju et al., pl.I,4,8.
Dictyophyllum Lindley et Hutton 1834
Dictyophyllum nathorstii Zeiller 1983 Ju et al., pl.III,9.
Dictyophyllum nilssonii (Brongniart) Nathorst 1983 Ju et al., pl.II,3.
Doratophyllum Harris 1932
Doratophyllum hsuchiahoense Lee 1988 Wu et al. pl.I,7,7a.
Drepanozamites Harris 1932
Drepanozamites sp. 1983 Ju et al., pl.III,7.
Equisetites Sternberg 1833
Equisetites sp. 1986 Ju et Lan, p.83.
Ginkgoites Seward 1919
Ginkgoites magnifolia Du Toit 1983 Ju et al., pl.III,2.
Ginkgoites tetralobus Ju et Lan 1986 1986 Ju et Lan, pl.I,6-8.
Glossophyllum Kraeusel 1943
Glossophyllum shensiensis Sze 1983 Ju et al., pl.III,11.
Lobatannularia Kawasaki 1927
Lobatannularia lujiashanensis Ju et Lan 1986 1986 Ju et Lan, pl.I,4,11-13.
Lobatannularia sp. 1986 Ju et Lan, pl.I,2,3,5,10.
Nilssonia Brongniart 1825
Nilssonia cf. *complicatis* Li 1988 Wu et al. pl.I,4.
Nilssonia connata Wu et Teng 1988 Wu et al. pl.II,1-2a,6-7a.
Nilssonia jiangsuensis Wu et Teng 1988. 1988 Wu et al. pl.II,5,5a.
Nilssonia simplex Oishi 1983 Ju et al., pl.III,5.
Nilssonia sp. 1983 Ju et al., pl.I,6.
Pterophyllum Brongniart 1824
Pterophyllum otofoliolatum Hsu et Hu 1983 Ju et al., pl.I,7(cf.).
Pterophyllum sp. 1986 Ju et Lan, p.83.
Ptilophyllum Morris 1837
Ptilophyllum sp. 1988 Wu et al. pl.II,3-4a.
Sinoctenis Sze 1931
Sinoctenis calophylla Wu et Lin 1983 Ju et al., pl.III,3; 1988 Wu et al. pl.3,5,8.
Sphenobaiera Florin 1936
Sphenobaiera spectabilis 1986 Ju et Lan, p.83.
Taeniopteris Brongniart 1828
Taeniopteris leclerei Zeiller 1988 Wu et al. pl.I,10,10a.
Taeniopteris sp. 1988 Wu et al. pl.I, 6,9,9a.
Thinnfeldia Ettingshausen 1852
Thinnfeldia alethopteroides Sze 1983 Ju et al., pl.I,1(cf.).
Thinnfeldia sp. 1983 Ju et al., pl.I,2.
Todites Seward 1900
Todites shensiensis (P'an) Sze 1988 Wu et al. pl.I,1,1a ; 1982 Wang et al., p.240. pl.109, 6.
Todites sp. 1986 Ju et Lan, p.83.

Zamites Brongniart 1828

Zamites fanjiachangensis Ju et Lan 1983 1983 Ju et al., pl.II,7,9.

Yunnan (1974,75 Hsu et al., Coal Fields of Nalajing, Yongren County, Lower Dajing Formation ; 1950 Hsu, Yipinglang Coal Field, Middle Yunnan ; 1976 Li et al., Lufeng County, Shezi Formation ; Xiangyun County, Baitutian Section of Xiangyun Formation ; Jianchuan, E'yuan and Lanping, Baijizu Formation, The 4th Layer ; 1983 Duan et al., Beiluo Hill Coal Series, Ninglang County)

Angiopteris Hoffmann 1796

Angiopteris yungjenensis Hsü et Chen 1974 1974 Hsü et al., pl.I,2-4.

Anomozamites Schimper 1870

Anomozamites cf. *gracilis* Nathorst 1983 Duan et al., p.57.

Anomozamites schenki Zeiller 1950 Hsu, p.19.

Asterotheca Presl.

Asterotheca latepinnata (Leuth) Hsü 1983 Duan et al., p.56.

Baiera Braun 1843

Baiera concinna (Heer) Kawasaki 1983 Duan et al., p.57.

Baiera guilhaumati Zeiller 1902 1950 Hsu, p.19.

Baiera multipartita Sze et Lee 1983 Duan et al., p.57.

Baiera sp. 1983 Duan et al., p.57.

Carpolithus Brongniart 1822

Carpolithus sp. 1983 Duan et al., p.58.

Cladophlebis Brongniart 1849

Cladophlebis denticulata (Brongniart) 1950 Hsu, p.19.

Cladophlebis haiburnensis (L. & H.) Brongniart 1950 Hsu, p.19.

Cladophlebis kaoiana Sze 1983 Duan et al., p.56.

Cladophlebis shensiensis Pan 1950 Hsu, p.19.

Cladophlebis sp. 1983 Duan et al., p.56.

Clathropteris Brongniart 1828

Clathropteris meniscioides Brongniart 1828 1950 Hsu, p.19.

Clathropteris tenuinervis Wu 1976 1983 Duan et al., p.56.

Conites sp. 1983 Duan et al., p.58.

Conites Sternberg 1823

Ctenopteris Brongniart ex Saporta 1873

Ctenopteris sarrani Zeiller 1950 Hsu, p.19.

Ctenopteris sp. 1950 Hsu, p.19.

Cycadocarpidium Nathorst 1886

Cycadocarpidium erdmannii Nathorst 1983 Duan et al., p.57.

Danaeopsis Presl 1845

Danaeopsis sp. 1950 Hsu, p.19.

Dictyophyllum Lindley et Hutton 1834

Dictyophyllum münsteri (Geoppert) Nathorst 1983 Duan et al., p.56.

Dictyophyllum nathorstii Zeiller 1903 1950 Hsu, p.19 ; 1983 Duan et al., p.56.

Drepanozamites Harris 1932

Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1983 Duan et al., p.57.
Equisetites Sternberg 1833
Equisetites lufengensis Li 1976 1976 Li et al., p.89.pl.1, 11-16.
Equisetites müensteri Sternberg 1833 1976 Li et al.,p.90. pl.1, 9 (cf.).
Equisetites sarranii (Zeiller 1902) Halle 1908 1976 Li et al., p.91.pls.1, 5-6a; 2, 9(?)
Equisetites sp.1 1976 Li et al., p.92.pls.3, 5;46,5.
Ferganiella Prinada 1936
Ferganiella podozamioides Li 1983 Duan et al., p.57.
Glossophyllum Kraeusel 1943
Glossophyllum shensiensis Sze 1983 Duan et al., p.57.
Glossophyllum sp.1976 Li et al.,p.129. pl.41, 6(?). (ex gr.); 43, 1-3 (ex gr.); 44, 6(ex gr.)
Goepfertella Oishi et Yamasita 1936
Goepfertella microloba (Schenk 1867) Oishi et Yamasita 1936 1983 Duan et al., p.56.
Hyrcaopteris Kryshstofovich et Prinada 1933
Hyrcaopteris sevanensis Kryshstofovich et Prinada 1933 1976 Li et al., p.116.pls.29, 7-12; 45, 2
Hyrcaopteris sinensis Li et Tsao 1976 1976 Li et al.,p.117. pls.30, 3, 4,4a, 8(?); 46, 7(?).
Hyrcaopteris sp.1 1976 Li et al.,p.117. pls.30, 1,2,6.
Hyrcaopteris sp.2 1976 Li et al., p.117.pls.29,6,6a ;30,5,7.
Marattiopsis Schimper 1869
Marattiopsis munsteri (Goepfert) 1950 Hsu, p.19.
Neocalamites Halle 1908
Neocalamites carcinoides Harris 1983 Duan et al., p.56.
Neocalamites carrerei (Zeiller 1902) Halle 1908 1950 Hsu, p.19 ; 1976 Li et al.,p.93. pls.2, 5-7; 3, 3, 4; 1983 Duan et al., p.56.
Neocalamites sp.2 1976 Li et al., p.94.pl.3,2.
Nilssoniopteris Nathorst 1909
Nilssoniopteris tenuinervis (Nathorst 1880) Nathorst 1909 1983 Duan et al., p.57.
Phlebopteris Brongniart 1837
Phlebopteris xiangyunensis Li et Tsao 1974 1976 Li et al., p.103.pls.13, 1, 2, 5, 7-9; 14, 1-7; 15, 1, 2.
Podozamites Braun 1843
Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 1976 Li et al., p.130.pls.42, 6-8 ; 1983 Duan et al., p.57.
Podozamites rarinervis Duan et Chen 1983 1983 Duan et al., p.57.
Podozamites schenkii Heer 1876 1983 Duan et al., p.57.
Pterophyllum Brongniart 1825
Pterophyllum minutum Li et Tsao 1976 1976 Li et al., p.121.pls.13, 4; 32, 1-10.
Pterophyllum pinnatifidum Harris 1983 Duan et al., p.56.
Pterophyllum sp. 1983 Duan et al., p.56.
Ptilozamites Nathorst 1878
Ptilozamites nilssonii Nathorst 1878 1976 Li et al.,p.115. pl.31, 5-8a.
Rireticopteris Hsü et C. N. Chu 1974
Rireticopteris microphylla Hsü et C. N. Chu 1974 1974 Hsü et al., pls.I,7-9; II,1-4; III,1.
Selaginella Spring

Selaginella yunnanensis (Hsü) Hsü 1983 Duan et al., p.55.
Selaginellites Zeiller 1906
Selaginellites yunnanensis Hsu 1950 1950 Hsu, p.19; 1963 Sze et Lee, pl.1,3-8; 1976 Li et al.,p.89.pl.1, 1-4a.
Sinoctenis Sze 1931
Sinoctenis calophylla Wu et Li 196 1983 Duan et al., p.57.
Sinoctenis yunnanensis Li 1976 1983 Duan et al., p.57.
Spiropteris Schimper 1869
Spiropteris sp.1976 Li et al., p.114.pl.29, 5.
Stenorachis Saporta 1879
Stenorachis lepida (Heer) Seward 1983 Duan et al., p.57.
Strobilites Lindley et Hutton 1833
Strobilites sp. 1983 Duan et al., p.58.
Tachingia Hu 1975
Tachingia pinniformis Hu 1975 1975 Hsü et al., pl.V, 1-4.
Taeniopteris Brongniart 1828
Taeniopteris lanceolata Ôishi 1983 Duan et al., p.57.
Taeniopteris stenophylla Kryshstofovich 1910 1983 Duan et al., p.58.
Thaumatopteris fuchsii (Zeiller) 1950 Hsu, p.19.
Thaumatopteris Goeppert 1841
Thaumatopteris remauryi (Zeiller 1903) Oishi et Yamasita 1936 1983 Duan et al., p.56.
Thinnfeldia Ettingshausen 1825
Thinnfeldia sp. 1950 Hsu, p.19.
Todites Seward 1900
Todites denticulatus (Brongniart) Krasser 1983 Duan et al., p.56.
Todites goeppertianus (Muenster 1846) Krasser 1922 1950 Hsu, p.19 ; 1983 Duan et al., p. 56.
Todites princeps (Presl) Harris 1950 Hsu, p.19 ; 1983 Duan et al., p.56.
Todites scoresbyensis Harris 1931 1976 Li et al., p.97. pls.7 ;8,5-7; 9, 5;13, 3.
Zamites Brongniart 1828
Zamites sahnii Hsu 1950 1950 Hsu, p.19.

Guangdong (1956 Ngo and 1963 Zhou, Hualing, Huaxian County ; Meixian County ; Shima, Guangzhou City ; Xiaoshui, Lechang County ; Gaoming County ; Wuhua County ; E'yuan County)

Anomozamites Schimper 1870
Anomozamites minor (Brongniart 1824) Nathorst 1878 1956 Ngo, pl.V,2 ; 1963 Zhou, pl.75,2.
Cladophlebis Brongniart 1849
Cladophlebis gigantean Oishi 1956 Ngo, pl.II,2(cf.).
Cladophlebis haiburnensis (Lindley et Hutton) 1963 Zhou, pl.72,1.
Cladophlebis sp. 1956 Ngo, pl.II,3.
Clathropteris Brongniart 1828
Clathropteris meniscioides Brongniart 1828 1956 Ngo, pl.III,2 ; 1963 Zhou, pl.72,3,4.
Ctenis Williamson ex Lingdley et Hutton 1834
Ctenis chaoi Sze 1933 1963 Zhou, pl.75,3.

Danaeopsis Presl 1845
Danaeopsis fecunda Halle 1921 1963 Zhou, pl.71,1-2.
Dictyophyllum Lindley et Hutton 1834
Dictyophyllum nathorstii Zeiller 1903 1956 Ngo, pl.III,1; 1963 Zhou, pl.72,2.
Equisetites Sternberg 1833
Equisetites sarrani (Zeiller) Harris 1963 Zhou, pl.71,4.
Goepfertella Oishi et Yamasita 1936
Goepfertella sp. 1956 Ngo, pl.I,1.
Hausmannia Dunker 1846
Hausmannia sp. 1956 Ngo, pl.III,3.
Hexaphyllum Ngo 1956
Hexaphyllum sinensis Ngo 1956 Ngo, pls.I, 2; VI,1,2.
Marattiopsis Schimper 1869
Marattiopsis muensteri (Goepfert) Schimper 1963 Zhou, pl.71,3.
Neocalamites Halle 1908
Neocalamites carrerei (Zeiller) 1956 Ngo, pl.II, 1; 1963 Zhou, pl.71,5.
Nilssonia Brongniart 1825
Nilssonia polymorpha Schenk 1867 1963 Zhou, pl.75,1(cf.).
Nilssonia princeps Old & Moor 1956 Ngo, pl.IV,2(cf.); 1963 Sze et Lee, pl.53,2(cf.).
Otozamites Braun 1843
Otozamites bechei (Brongniart 1828) Brongniart 1849 1963 Zhou, pl.74,3.
Phlebopteris Brongniart 1837
Phlebopteris angustiloba (Presl 1838) Hirmer et Hoerhammer 1936 1963 Zhou, pl.73,1.
Podozamites Braun 1843
Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 fa. Ovalis Heer 1876 1956 Ngo, pl.V,4-6 ; 1963 Zhou, pl.73,2.
Pterophyllum Brongniart 1825
Pterophyllum aequale (Brongniart) Nathorst 1956 Ngo, pl.IV,4; 1963 Zhou, pl.74,1.
Pterophyllum inconstans Braun 1956 Ngo, pl.V,1.
Pterophyllum ptilum Harris 1932 1963 Zhou, pl.76,2.
Pterophyllum sp. 1956 Ngo, pl.IV,3..
Ptilozamites Nathorst 1878
Ptilozamites chinensis Xu 1950 1963 Zhou, pl.74,2.
Taeniopteris Brongniart 1828
Taeniopteris leclerei Zeiller 1903 1963 Zhou, pl.76,3.
Thaumatopteris Goepfert 1841
Thaumatopteris schenkii Nathorst 1956 Ngo, pl.III,4,5.
Thinnfeldia Von Ettingshausen 1852
Thinnfeldia sp. 1963 Zhou, pl.76,1.

Hubei (1984 Chen, Gengjia River and Zhengjia River, Xingshan County ; Jigongshan and Kuzhu Bridge, Puqi County ; Tieluwan, Yuan'an County ; Shazhenxi and Xietan, Zigui County ; Haihuigou and Fenshuiling, Jingmen County ; Shazhenxi Formation ; 1980 Wu et al., Shazhenxi, Zigui County ; Gengjia River and Zhengjia River, Xingshan County, Shazhenxi Formation ; 1963

Sze et Lee, Xiangxi and Caojiadian, Zigui County; 1977 Feng et al., Yuan'an County, Middle Coal Formation of Xiangxi Group; 1984 Chen, Jigong Hill and Kuzhu Bridge, Puqi County; Chengchao and Bishidu, E'cheng County; Haihuigou and Fenshuiling, Jingmen County; Tielu Bay, Yuan'an County; Gengjia River and Zhengjia River, Xingshan County; Xietan, Zigui County; Jigongshan Formation; 1987 He, Paomaling, Puqi County, Jigongshan Formation; 1987 Meng, Yuan'an County; Guodikeng, Jingmen County; Haihuigou, Jingmen County, Wanglongtan Formation)

Annulariopsis Zeiller

Annulariopsis sp. 1980 Wu et al., p.72.pl.I,4.

Annulariopsis sp. 1987 He, pls.14,8 ;15,2.

Anomozamites Schimper 1870

Anomozamites loczyi Schenk 1984 Chen, p.592. pls.244,6-8 ;269,19b.

Anomozamites puqiensis G. X. Chen 1984 1984 Chen, p.592. pl.245,1-5.

Anomozamites sp. 1980 Wu et al. p.78.pl.III,8.

Anthrophyopsis Nathorst 1878

Anthrophyopsis crassinervis Nathorst 1987 Meng, pl.37,1.

Baiera Braun 1843 emend. Florin 1936

Baiera elegans Ôishi 1984 Chen, p.604.pl.264,3-5.

Baiera sp. 1980 Wu et al. pl.V,1-3.

Cladophlebis Brongniart 1849

Cladophlebis cf. *denticulata* (Brongniart) Fontaine 1980 Wu et al. p.76.pl.III,4.

Cladophlebis cf. *raciborskii* Zeiller 1980 Wu et al. pl.III,5.

Cladophlebis cf. *raciborskii* Zeiller 1984 Chen, p.579.pl.229,5.

Cladophlebis cf. *raciborskii* Zeiller 1984 Chen, p.579.pl.229,5.

Cladophlebis kaoiana Sze 1984 Chen, p.579.pl.233,7.

Cladophlebis kwangyuanensis Li 1984 Chen, p.579.pl.228,2.

Clathropteris Brongniart 1828

Clathropteris meniscioides Brongniart 1984 Chen, p.576. pls. 233,5 ;235,4.

Clathropteris mongugaica Srebrodol'skaya 1961 1980 Wu et al. p.76.pl.III,1,2 ; 1984 Chen, p.576. pl.235,5.

Clathropteris platyphylla (Goepfert) 1984 Chen, p.577.pl.235,3; 1987 He, pls.13,6; 14,7; 16,6.

Cycadocarpidium Nathorst 1886

Cycadocarpidium angustum G. X. Chen 1984 1984 Chen, p.610. pl.269,13,14.

Cycadocarpidium cf. *sogutensis* Genkina 1984 Chen, p.610. pl.269,16-20.

Cycadocarpidium erdmannii Nathorst 1886 1980 Wu et al. p.81.pl.IV,5-7a ; 1984 Chen, p.610. pls.239,2 ;269,1-10 ; 1984 Chen, p.610. pls.239,2 ;269,1-10 ; 1987 He, pl.14,4.

Cycadocarpidium Nathorst 1886

Cycadocarpidium redivivum Nathorst 1984 Chen, p.610. pl.269,15.

Danaeopsis Presl 1845

Danaeopsis fecunda Halle 1921 1987 He, pl.14,5.

Dictyophyllum Lindley et Hutton 1834

Dictyophyllum exile (Brauns) Nathorst 1984 Chen, p.575.pl.233, 1, 2.

Dictyophyllum nathorstii Zeiller 1903 1980 Wu et al. p.75.pl.III,3 ; 1984 Chen, p.576.pl.233,3,4 ; 1984 Chen, p.576.pl.233,3,4 ; 1987 He, pl.15,1,3,5.

Drepanozamites Harris 1932
Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1984 Chen, p.601.pl.257,3-5 ; 1987 He, pl.16,5.
Drepanozamites sp. 1980 Wu et al. p.80.pl.II,4.
Equisetites Sternberg 1833
Equisetites sarranii (Zeiller) 1984 Chen, p.568.pl.222,12,13.
Equisetites sp. 1984 Chen, p.569.pl.222,7.
Ferganiella cf. *urjanchaica* Neuberg 1980 Wu et al. p.82.pl.V,8,9 ; 1984 Chen, p.609.pl.267,2,3.
Ferganiella podozamioides Lih 1984 Chen, p.609.pl.268,4.
Ferganiella Prynada 1936
Ferganiella sp. 1980 Wu et al. p.83.pl.V,7 ; 1984 Chen, p.610.pl.268,2.
Ferganiella sp. 1980 Wu et al. p.83.pl.V,7.
Ginkgoites Seward 1919
Ginkgoites sp. 1987 He, pl.13,7.
Gleichenites Goeppert 1836
Gleichenites Seward (non Goeppert)
Gleichenites sp. 1980 Wu et al. p.73.pl.I,5-8, ?9.
Gleichenites sp. 1980 Wu et al. pl.I,5-8, ?9.
Glossophyllum Kraeusel 1943
Glossophyllum sp. 1987 He, pl.16,1.
Lepidopteris Schimper 1869
Lepidopteris stuttgartiensis (Jaeger) Schimper 1984 Chen, p.584.pl.237,1-3.
Marattiopsis Schimper 1869
Marattiopsis hörensis (Schimper) Schimper 1963 Sze et Lee, pl.14,5,6.
Marattiopsis muensteri (Goeppert) Schimper 1963 Sze et Lee, pl.14,7-9.
Nagatostrobis Kon'no 1962
Nagatostrobis linearis Kon'no 1984 Chen, p.611.pl.262,6.
Neocalamites Halle 1908
Neocalamites carrerei (Zeiller 1902) Halle 1908 1987 He, pl.14,6.
Neocalamites cf. *meriani* Brongniart 1984 Chen, p.567.pl.222,10,11.
Neocalamites dangyangensis Chen 1984 Chen, p.567.pl.221,2-4.
Neocalamites hoerensis (Schimper 1869) Halle 1908 1987 He, pls.13,1,3,5 ;14,1,3 ;15,14.
Neocalamites sp. 1980 Wu et al. p.72.pl.I,1,2,3.
Podozamites Braun 1843
Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 1987 He, pl.16,4 ; 1987 Meng, pl.27,1.
Podozamites schenkii Heer 1987 He, pl.16,7.
Podozamites sp.1 1980 Wu et al. p.82.pl.V,4.
Podozamites sp.1 1980 Wu et al. p.82.pl.V,5,6.
Pterophyllum Brongniart 1825
Pterophyllum sinense Lee 1964 1980 Wu et al. p.77.pl.III,6,7.
Pterophyllum sp. 1987 He, pl.16,3.
Sinoctenis Sze 1931
Sinoctenis calophylla Wu et Li 1980 Wu et al. p.78.pl.III,10,11 ; 1984 Chen, p.602.pl.259,3.

Sinoctenis shazhenxiensis Li 1980 1980 Wu et al. p.79.pl.IV,1-2a ; 1980 Wu et al. p.79.pl.IV,1-2a.
Sphenozamites Brongniart
Sphenozamites (Brongniart 1849) Miquel 1851
Sphenozamites drepanoides Li 1980 1980 Wu et al. pl.IV,3,4,4a ; 1984 Chen, p.600.pl.255,1,2.
Strobilites Lindley & Hutton
Strobilites sp. 1980 Wu et al. pl.V,11-12a.
Taeniopteris Brongniart 1828
Taeniopteris puqiensis G. X. Chen 1984 1984 Chen, p.582.pl.7,8.
Taeniopteris sp. 1980 Wu et al. p.83.pl.10,10a.
Thaumatopteris Goeppert 1841
Thaumatopteris nipponica Ôishi 1980 Wu et al. p.73.pl.II,2,3 ; 1984 Chen, p.575.pl.235,7.
Thaumatopteris remauryi (Zeiller) Ôishi et Yamasita 1980 Wu et al. p.75.pls.I,10;II,1 ; 1984 Chen, p.575.pl.234,4.
Thinnfeldia Ettingshausen 1852
Thinnfeldia puqiensis G. X. Chen 1984 1984 Chen, p.584.pl.283,4.
Todites Seward 1900
Todites denticulatus (Brongniart) Krasser 1984 Chen, p.572.pl.227,2 ; 1987 He, pl.16,2.
Todites princeps (Presl 1838) Gothan 1914 1977 Feng et al., pl.L74, 2-3 ; 1987 He, pl.14,5 ; 1987 Meng, pl.27,7.
Todites scoresbyensis Harris 1931 1984 Chen, p.572.pl.229,2.

Hunan (1968 Mei et Gu, Chengtan River, Liuyang County ; Sandu, Zixing County, An'yuan Formation and Yangmeilong Formation ; 1977 Feng et al., Chengtan River, Liuyang County ; Huashi, Zhujiang County ; Liaoyuan, Liuyuan County ; Liling County, An'yuan Formation; 1980 He et Shen, Chengtan River, Liuyang County ; Tongrulong Ditch and Hongxing Coal Field, Zixing City ; Shimenkou, Liling County ; Yangmei Hill, Yizhang County ; Coal Hill, Youxian County ; Liaoyuan Coal Field, Liuyang County, An'yuan Formation and Sanqiutian Formation ; 1989 Zhou, 10Km away from Hengyang City, Yangbaichong Formation; 1963 Sze et Lee, Liuyang County ; Shimenkou, Liling County, An'yuan Formation ; 1981 Zhou, Shanqiao Bridge, Hengyang City)
Hunan (1982 Zhang, Huashi, Zhuzhou County; Chengtan River, Liuyang County; Liaoyuan, Wenjia City; Luyang, Huaihua County; Gouya Cavity, Yizhang County; Shimenkou and Yangmei Mountain, Liling County; Wuyi Coal Field and The Big Sun Hill of Zhonghuopu, Chenxi County; Shanqiao Bridge, Zheqiao Bridge and Shuisi, Hengyang County; Liaoyuan, Liuyang County; Sandu, Zixing County; Yingzui Hill, Sangzhi County, Anyuan Formation and Sanqiutian Formation; 1983 Zhou, Hengyang County, Shaqiao Coal Mine, Yangbaichong Formaiton)

Amdrupia Harris 1932
Amdrupia cladophleboides Yao 1968 1968 Mei et Gu, p.10,21 ; 1977 Feng et al.,pl.94,8.
Amdrupia kwangyuanensis Huang 1992 1980 He et Shen, p.5.
Annulariopsis Zeiller 1902
Annulariopsis sp.1 1968 Mei et Gu, p.9.
Annulariopsis sp.1 1980 He et Shen, p.3.
Anomozamites Schimer 1870
Anomozamites inconstans (Goeppert 1843) Schimper 1870 1980 He et Shen, p.4.
Anomozamites loczyi Schenk 1884 1980 He et Shen, p.4 ; 1977 Feng et al.,pl.86,4 ; 1982 Zhang,

p.530.pl.355,3-3a.
Anomozamites minor (Brongniart 1824) Nathorst 1878 1968 Mei et Gu, p.9 ; 1980 He et Shen, p.4 ; 1982 Zhang, p.530. pls. 340,5 ;347,5,8.
Anomozamites sp. 1968 Mei et Gu, p.9,10.
Anomozamites sp.1 1980 He et Shen, p.4.
Anthrophyopsis Nathorst 1878
Anthrophyopsis crassinervis Nathorst 1878 1968 Mei et Gu, p.10 ; 1980 He et Shen, p.4 ; 1982 Zhang, p.534. pls.349,2; 352,10;353,1.
Anthrophyopsis leeiana (Sze) Florin 1989 Zhou, pls.IV,1-2;V,5-9;VII,3-6.
Anthrophyopsis sp. 1982 Zhang, p.535.pl.349,6.
Anthrophyopsis tuberculata Chow et Yao 1968 1982 Zhang, p.535.pl.357,7.
Anthrophyopsis venulosa Chow et Yao 1968 1980 He et Shen, p.4.
Baiera Braun 1843
Baiera guilhaumati Zeiller
Baiera minuta Nathorst 1989 Zhou, pls.XV,1-5 ;XVI,1-5 ;XIX,1,10.
Baiera multipartita Sze et Lee 1952 1963 Sze et Lee, pls.82,2-4 ;83,1; 1980 He et Shen, p.5 ; 1968 Mei et Gu, p.10,21.
Baiera sp. 1968 Mei et Gu, p.7,10.
Baiera sp. 1980 He et Shen, p.5.
Bennetticarpus Harris 1932
Bennetticarpus longimicropylus Hsu 1963 Sze et Lee, pl.67,8,9.
Bennetticarpus ovoides Hsü 1948 1977 Feng et al.,p.233.pl.92,8; 1982 Zhang, p.535.pl.348,3; 1963 Sze et Lee, pl.68,1.
Carpolithus Brongniart 1822
Carpolithus sp. 1980 He et Shen, p.5.
Carpolithus sp. 1989 Zhou, p.133.
Chiropteris Kurr 1858
Chiropteris sp. 1980 He et Shen, p.3.
Cladophlebis Brongniart 1849
Cladophlebis cf. *raciborskii* Zeiller 1903 1980 He et Shen, p.3.
Cladophlebis shaqiaoensis Zhou 1989 1989 Zhou, pls.III,8-10;IV,4;V,2-3.
Cladophlebis sp. 1968 Mei et Gu, p.9,21.
Cladophlebis sp. 1968 Mei et Gu, p.9,21; 1980 He et Shen,p.12.pl.3,4.
Cladophlebis sp. 1989 Zhou, p.132.
Clathropteris Brongniart 1828
Clathropteris meniscioides Brongniart 1828 1968 Mei et Gu, p.21 ; 1980 He et Shen, p.11.pls.1,2 ;16,1 ; 1982 Zhang, pl.336,5 ; 1989 Zhou, pl.III,7.
Clathropteris platyphylla (Goeppert 1842) Brongniart 1849 1968 Mei et Gu, p.9,21 ; 1980 He et Shen, p.3.
Clathropteris polygona Chow et Wu 1977 Feng et al.,p.212.pl.79,8; 1980 He et Shen, p.3 ; 1982 Zhang, p.525.pl.357,1.
Conites Sternberg 1823
Conites sp. 1989 Zhou, pl.XIX,16.
Ctenis Williamson ex Lingdley et Hutton 1834

Ctenis sp. 1968 Mei et Gu, p.9.
Ctenis sp. 1980 He et Shen, p.4.
Ctenozamites Nathorst 1886
Ctenozamites cf. *cycadea* (Berger 1832) Schenk 1887 1968 Mei et Gu, p.10 ; 1980 He et Shen, p.5.
Ctenozamites falcata (Nathorst) 1982 Zhang, p.532.pls.349,1,3;350,3.
Ctenozamites rigida Liu ex Feng et al. 1978
Ctenozamites sp. 1980 He et Shen, p.5.
Cycadocarpidium Nathorst 1886
Cycadocarpidium erdmannii Nathorst 1886 1968 Mei et Gu, p.10; 1980 He et Shen, p.5 ; 1982 Zhang, pl.347,11; 1989 Zhou, pls.I,15c;XIX,9,12,14.
Cycadolepis corrugata Zeiller 1903 1968 Mei et Gu, p.10 ; 1980 He et Shen, p.5.
Cycadolepis Saporta 1873
Cycadolepis sp. 1968 Mei et Gu, p.9,21.
Cycadolepis tomentosa Sze 1963 Sze et Lee, pl.77,11 ; 1977 Feng et al.,p.233.pl.97,10.
Danaeopsis fecunda Halle 1921 1980 He et Shen, p.3 ; 1982 Zhang, p.522.pl.355,2.
Danaeopsis Presl 1845
Desmiophyllum hunanense Zhou 1983 1983 Zhou, pls.1-3.
Desmiophyllum Lesquereux 1878
Desmiophyllum sp. 1980 He et Shen, p.5.
Desmiophyllum sp.1 1980 He et Shen, p.28.pls.12, 2, 4; 14, 2.
Desmiophyllum sp.2 1968 Mei et Gu, p.7.
Dictyophyllum Lindley et Hutton 1834
Dictyophyllum nathorstii Zeiller 1903 1968 Mei et Gu, p.9,21 ; 1980 He et Shen, p.11.pls.1, 4; 3, 5 ; 1982 Zhang, pl.338,9,12.
Dictyophyllum nilssonii (Brongniart) Geoppert 1980 He et Shen, p.3 ; 1989 Zhou, pl.III,6.
Dictyozamites (Oldham 1862) Medlicott et Blanford 1879
Dictyozamites asseretoi Barnard 1965 1980 He et Shen, p.4.
Dictyozamites hunanensis Wu 1968 Mei et Gu, p.10 ; 1977 Feng et al.,p.225.pl.92,6-7; 1982 Zhang, p.532.pl.343,2.
Doratophyllum Harris 1932
Doratophyllum astartensis Harris 1980 He et Shen, p.5.
Drepanozamites Harris 1932
Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1963 Sze et Lee, pl.67,1,2 ; 1982 Zhang, p.535.pl.352,8; 1980 He et Shen, p.5.
Elatocladus Halle 1913
Elatocladus sp. 1989 Zhou, pls.XIV,7;XVI,7;XIX,3-4,15,18.
Equisetites Sternberg 1833
Equisetites (Equisetostachys) cf. *beanie* (Bunbury) Seward 1989 Zhou, pls.I,1-3(cf.).
Equisetites (Equisetostachys) sp. 1989 Zhou, p.132.
Equisetites muensteri Sternberg 1989 Zhou, pls.I,5,6,11,13,15A.
Equisetites sarranii (Zeiller 1902) Halle 1908 1968 Mei et Gu, p.10 ; 1980 He et Shen, p.3.
Equisetites sp. 1968 Mei et Gu, p.9.
Equisetites sp. 1980 He et Shen, p.3.

Equisetites spp. 1989 Zhou, pls.I,4,8,9,12.
Equisetostachys Jongmans 1927
Equisetostachys sp. 1980 He et Shen, p.3.
Equisetum Linne 1753
Equisetum sp.1 1982 Zhang, p.522.pl.335,4.
Equisetum sp.2 1982 Zhang, p.522.pl.335,3.
Ginkgoites Seward 1919
Ginkgoites sp. 1968 Mei et Gu, p.21.
Ginkgoites sp. 1980 He et Shen, p.5.
Hausmannia Dunker 1846
Hausmannia sp. 1980 He et Shen, p.12.pl.5, 1.
Lepidopteris Schimper 1869
Lepidopteris ottonis (Goeppert 1836) Schimper 1869 1968 Mei et Gu, p.18; 1980 He et Shen, p.13.pls.4, 1; 5, 5, 6; 1982 Zhang, p.526.pls.340,1-2;355,8; 1982 Zhang, p.526.pls.340,1-2;355,8.
Marattiopsis Schimper 1869
Marattiopsis sp. 1980 He et Shen, p.3.
Neocalamites Halle 1908
Neocalamites carcinoides Harris 1968 Mei et Gu, p.10 ; 1980 He et Shen, p.7. pl.1, 1.
Neocalamites carrerei (Zeiller 1902) Halle 1908 1968 Mei et Gu, p.10 ; 1980 He et Shen, p.6. pl.1, 5.
Neocalamites hoerensis (Schimper) Halle 1989 Zhou, pl.I,7.
Neocalamites sp. 1968 Mei et Gu, p.7.
Neocalamites sp. 1980 He et Shen, p.3.
Nilssonia Brongniart 1825
Nilssonia acuminata (Presl 1838) Goeppert 1844 1980 He et Shen, p.4.
Nilssonia cf. *polymorpha* Schenk 1867 1980 He et Shen, p.4.
Nilssonia compta (Phillips 1829) Goeppert 1844 1980 He et Shen, p.4.
Nilssonia furcata Chow et Yao 1968 1968 Mei et Gu, p.9,10; 1977 Feng et al.,p.85,1; 1980 He et Shen, p.4 ; 1982 Zhang, p.532.pl.344,6;345,9;349,5,8;350,1-2.
Nilssonia magnifolia Tsao 1977 Feng et al.,p.219.pl.85,5.
Nilssonia orientalis Heer 1878 1980 He et Shen, p.4.
Nilssonia ptilophylloides Tsao 1977 Feng et al.,pl.87,9.
Nilssonia simplex Oishi 1968 Mei et Gu, p.9 ; 1977 Feng et al.,p.221.pl.87,8 ; 1980 He et Shen, p.4.
Nilssonia sp. 1968 Mei et Gu, p.21.
Nilssonia sp. 1980 He et Shen, p.4.
Nilssonia zeilleri 1980 He et Shen, p.4.
Nilssoniopteris Nathorst 1909
Nilssoniopteris jourdyi (Zeiller 1902) Florin 1933 1980 He et Shen, p.4.
Nilssoniopteris oligotricha Zhou 1989 1989 Zhou, pls.VIII,1-4;IX,1,5;XI,7-9;XIV,1.
Nilssoniopteris xuiiana Zhou 1989 1989 Zhou, pls.VII,1-2;VIII,11;IX,2-3,13;XI,1-6.
Osmundopsis Harris 1931
Osmundopsis plectrophora Harris 1931 var. *Punctata* He et Shen 1980 1980 He et Shen, p.3 ; 1982 Zhang, p.523. pl.337,8.

Otozamites Braun 1843
Otozamites hsiangchiensis Sze 1982 Zhang, p.531.pls.338,4;342,1-2a.
Otozamites indosinensis Zeiller 1903 1980 He et Shen, p.4.
Pachypteris Brongniart 1828
Pachypteris lepingensis Yao 1982 Zhang, p.526.pl.357,2.
Phlebopteris Brongniart 1837
Phlebopteris sp. 1980 He et Shen, p.3.
Phlebopteris? sp. 1989 Zhou, pl.III,11-12.
Podozamites Braun 1843
Podozamites distans (Presl) Braun 1989 Zhou, pl.XIX,5-7.
Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 1968 Mei et Gu, p.9,10 ; 1980 He et Shen, p.5.
Podozamites schenkii Heer 1876 1968 Mei et Gu, p.9.
Podozamites sp. 1980 He et Shen, p.5.
Pseudoctenis Seward 1911
Pseudoctenis sp. 1980 He et Shen, p.24.pl.13, 1, 3.
Pterophyllum Brongniart 1825
Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1968 Mei et Gu, p.9,10,21 ; 1980 He et Shen, p.16.pls.5, 4; 8, 4; 1980 He et Shen, p.16.pls.5, 4; 8, 4; 1968 Mei et Gu, p.9,10,21 ; 1982 Zhang, p.529.pl.340,8.
Pterophyllum angustum (Braun) 1963 Sze et Lee, pl.60,2,3; 1977 Feng et al.,p.230.pl.82,10 ; 1980 He et Shen, p.4 ; 1982 Zhang, p.529.pl.355,5.
Pterophyllum bavieri Zeiller 1903 1968 Mei et Gu, p.21 ; 1980 He et Shen, p.18.pl.8, 6.
Pterophyllum cf. *decurrens* Sze 1980 He et Shen, p.4.
Pterophyllum cf. *jaegeri* Brongniart 1980 He et Shen, p.4.
Pterophyllum cf. *portali* Zeiller 1980 He et Shen, p.4.
Pterophyllum decurrens Sze 1980 He et Shen, p.4.
Pterophyllum exhibens Lee 1964 1968 Mei et Gu, p.10 ; 1980 He et Shen, p.4.
Pterophyllum jaegeri Brongniart 1963 Sze et Lee, pl.61,4; 1977 Feng et al.,p.230.pl.82,7; 1982 Zhang, p.529.pl.355,4.
Pterophyllum jiangxiense (Yao et Lih) Zhou 1989 1989 Zhou, pls.IX,11 ;X,1-2 ;XII,5-6 ;XVII,7.
Pterophyllum pinnatifidum Harris 1932 1980 He et Shen, p.17.pls.8, 2; 11, 6.
Pterophyllum ptilum Harris 1932 1968 Mei et Gu, p.9,10 ; 1980 He et Shen, p.17.pls.8, 3; 10, 6, 7 ; 1982 Zhang, p.529.pl.341,19 ; 1989 Zhou, pls.VIII,6-10 ;IX,4,9,14-16 ; XII,7-8 ; XIV,6.
Pterophyllum sinense Lee 1964 1980 He et Shen, p.4 ; 1982 Zhang, p.529.pl.340,3.
Pterophyllum sp. 1968 Mei et Gu, p.21.
Pterophyllum sp. 1980 He et Shen, p.3.
Pterophyllum subaequale Hartz 1896 1968 Mei et Gu, p.10.
Pterophyllum subaequale Hartz 1896 1980 He et Shen, p.16.pl.6, 4.
Pterophyllum subangustum Yang 1989 Zhou, pls.IX,6-8,10,12 ;X,3-8 ;XII,1-4 ;XVI,6.
Pterophyllum xiphoides Zhou 1989 1989 Zhou, pls.XIII,1-8 ;XIV,2-5 ;XIX,2,19.
Ptilozamites Nathorst 1878
Ptilozamites chinensis Xu 1950 1963 Sze et Lee, pls.48,2;49,3;72,1; 1981 Zhou, pl.II,1-7; III,1-6; 1989 Zhou, pls.IV,5;V,1-8 ; 1968 Mei et Gu, p.10,21. pl.353,4-4c ; 1982 Zhang, p.528.

pl.353,4-4c.

Ptilozamites nilssonii Nathorst 1878 1968 Mei et Gu, p.10,21 ; 1980 He et Shen, p.3.

Ptilozamites sp. 1968 Mei et Gu, p.23.

Ptilozamites sp. 1980 He et Shen, p.3. pl.353,4-4c; 1989 Zhou, pls.IV,5;V,1-8.

Radicites Potonie 1893

Radicites sp. 1989 Zhou, pl.I,14.

Sagenopteris Presl 1838

Sagenopteris sp. 1980 He et Shen, p.4.

Sagenopteris sp. 1989 Zhou, pl.VIII,5.

Sinoctenis Sze 1931

Sinoctenis calophylla Wu et Li 1968 1980 He et Shen, p.4 ; 1982 Zhang, p.535. pl.356,12-12a.

Sphenobaiera Florin 1936

Sphenobaiera jugata Zhou 1989 1989 Zhou, pls.XVII,1-6;XVIII,1-7.

Sphenobaiera sp. 1980 He et Shen, p.5.

Sphenobaiera sp. 1982 Zhang, p.536.pls.347,6;356,4.

Sphenobaiera sp. 1982 Zhang, p.536.pls.347,6;356,4.

Sphenobaiera sp.1968 Mei et Gu, p.9,10.

Sphenozamites (Brongniart 1849) Miquel 1851

Sphenozamites hunanensis Chow 1968 1968 Mei et Gu, p.10; 1980 He et Shen, p.5 ; 1982 Zhang, p.535.pl.355,9; 1977 Feng et al.,p.234.pl.92,4-5.

Stachyotaxus Nathorst 1886

Stachyotaxus elegans Nathorst 1886 1968 Mei et Gu, p.10 ; 1980 He et Shen, p.5.

Stalagma Zhou 1983

Stalagma samara Zhou 1983 1983 Zhou, pls.4-12; 1989 Zhou, pls.XV,6-7;XIX,8.

Stenorachis Saporta 1879(1875)

Stenorachis sp. 1980 He et Shen, p.5.

Stenorachis sp.1968 Mei et Gu, p.21.

Symopteris Hsü 1979

Symopteris zeilleri (Pan) Hsü 1982 Zhang, p.523.pl.355,7.

Taeniocladopsis Sze 1956

Taeniocladopsis rhizomoides Sze 1989 Zhou, pl.II,1.

Taeniopteris Brongniart 1828

Taeniopteris cf. *immersa* Nathorst 1878 1968 Mei et Gu, p.10.

Taeniopteris cf. *magnifolia* Rogers 1982 Zhang, p.541.pl.346,3.

Taeniopteris immersa Nathorst 1878 1980 He et Shen, p.5.

Taeniopteris leclerei Zeiller 1903 1980 He et Shen, p.5.

Taeniopteris nabaensis Ôishi

Taeniopteris obliqua Chow et Wu 1982 Zhang, p.541.pl.356,6-6a.

Taeniopteris sp. 1968 Mei et Gu, p.9,10,21.

Taeniopteris sp. 1980 He et Shen, p.5.

Taeniopteris tenuinervis Brauns. 1980 He et Shen, p.5.

Thaumatopteris Goeppert 1841

Thaumatopteris brauniana Popp 1863 1980 He et Shen, p.11.pl.3, 1, 1a ;23,4; 1982 Zhang, p.524.pl.355,1,1a.

Thaumatopteris dunkeri (Nathorst 1878) Oishi et Yamasita 1936 1980 He et Shen, p.12. pl.4, 2, 2a; 15,9.

Thaumatopteris sp. 1968 Mei et Gu, p.10,21.

Thaumatopteris sp. 1980 He et Shen, p.3.

Thinnfeldia cf. *rhomboidalis* Ettingshausen 1852 1980 He et Shen, p.3.

Thinnfeldia Von Ettingshausen 1852

Todites Seward 1900

Todites crenata Bernard 1982 Zhang, pl.348,7; 1982 Zhang, p.523.pls.348,7;351,1 ; 1989 Zhou, pls.III,1-3; V,1.

Todites denticulatus (Brongniart 1828) Krasser 1921 1968 Mei et Gu, p.10 ; 1980 He et Shen, p.3.

Todites goeppertianus (Muenster 1846) Krasser 1922 1968 Mei et Gu, p.9 ; 1980 He et Shen, p.3 ; 1989 Zhou, pl.III,4-5.

Todites princeps (Presl 1838) Gothan 1914 1980 He et Shen, p.8.pl.2, 1,1a,1b.

Todites scoresbyensis Harris 1931 1980 He et Shen, p.8.pl.2, 3.

Zamites Brongniart 1828

Zamites jiangxiensis Yao et Li 1968 1980 He et Shen, p.4.

Jiangxi (1980 He et Shen, Yongshan, Leping County ; Xiaokeng, Anyuan ; Liuyuankeng, Hengfeng County, Anyuan Formation and Sanqiutian Formation; 1982 Wang et al., Anyuan, Pingxiang Village; Laowuli, Yujiang County ; Youluo, Fengcheng County ; Duojiang, Wanyong ; Yongshan Bridge, Leping County ; Licun Village, Yudu County ; Niutian, Le'an County ; Xishanwu, Hengfeng ; Antang and Chayuan, Ji'an County ; Dongjia Hill, Jingde Town ; Pailou, Yifeng County ; Huagu Hill, Xinyu ; Gaokeng, Pingxiang ; Jiaoling ; Laoyawo and Duojiang, Wanzai County ; Niutian, Yongfeng County ; Xiling, Gao'an City ; Luoxi, Jinxian County; 1988 Zhou, Youluo, Fengcheng County, Anyuan Formation; 1963 Sze et Lee, Pingxiang, Ji'an, Chongren, Silupu, Xing'an ; 1968 Mei et Gu, Anyuan Section, Pingxiang Village ; Huagushan Section, Xinyu City ; Yongshan Section, Leping County ; Hengfengpu Section, Anyuan Formation)

Amdrupia Harris 1932

Amdrupia sp. 1968 Mei et Gu, p.18 .

Amdrupia sp. 1982 Wang et al.,p.293.pl.128,7.

Annulariopsis Zeiller 1902

Annulariopsis sp. 1968 Mei et Gu, p.18.

Anomozamites Schimper 1870

Anomozamites cf. *major* (Brongniart 1824) Nathorst 1878 1968 Mei et Gu, p.17,18.

Anomozamites cf. *marginatus* (Uger) Nathorst 1968 Mei et Gu, p.17,18.

Anomozamites cf. *minor* (Brongniart 1824) Nathorst 1878 1968 Mei et Gu, p.17,18.

Anomozamites cf. *nitida* Harris 1932 1968 Mei et Gu, p.18.

Anomozamites inconstans (Goeppert 1843) Schimper 1870 1968 Mei et Gu, p.26.

Anomozamites loczyi Schenk 1884 1968 Mei et Gu, p.18.

Anomozamites sp. 1968 Mei et Gu, p.13,17,25.

Anthrophyopsis Nathorst 1878

Anthrophyopsis crassinervis Nathorst 1878 1968 Mei et Gu, p.17,18; 1982 Wang et al.,p.271.pl.126,8.

Anthrophyopsis sp. 1968 Mei et Gu, p.18.
Anthrophyopsis tuberculata Chow et Yao 1968 1968 Mei et Gu, p.13,17,18 ; 1980 He et Shen, p.23. pl.12,3; 1982 Wang et al.,p.271. pl.124,1-2.
Anthrophyopsis venulosa Chow et Yao 1982 Wang et al.,pl.123,1.
Baiera Braun 1843
Baiera cf. *furcata* (Lindley et Hutton) Braun 1982 Wang et al.,p.276.pl.126,7.
Baiera cf. *multipartita* Sze et Lee 1952 1968 Mei et Gu, p.17,18; 1982 Wang et al.,p.277.pl.122,4.
Baiera muensteriana (Presl 1838) Heer 1876 1968 Mei et Gu, p.18.
Baiera sp. 1968 Mei et Gu, p.17,18.
Chiropteris Kurr 1858
Chiropteris sp. 1968 Mei et Gu, p.18.
Cladophlebidium Sze 1931
Cladophlebidium wongii Sze 1963 Sze et Lee, pl.45,4; 1982 Wang et al.,p.254.pl.113,2.
Cladophlebis Brongniart 1849
Cladophlebis cf. *raciborskii* Zeiller 1903 1968 Mei et Gu, p.17,18.
Cladophlebis kwangyuanensis Li 1968 Mei et Gu, p.17(cf.).
Cladophlebis sp. (cf. *Todites denticulatus*) 1968 Mei et Gu, p.18.
Cladophlebis sp. 1968 Mei et Gu, p.18,26.
Clathropteris Brongniart 1828
Clathropteris meniscioides Brongniart 1828 1963 Sze et Lee, pls.26,5 ;27,4; 1968 Mei et Gu, p.18 ; 1982 Wang et al.,p.246,110,4.
Clathropteris sp. 1963 Sze et Lee, pls.41,5 ;42,6 ; 1968 Mei et Gu, p.18.
Ctenis Williamson ex Lingdley et Hutton 1834
Ctenis chaoi Sze 1933
Ctenis anthrophioides Li Y. T. 1982 1982 Wang et al.,p.270.pls.122,7;123,2-3.
Ctenis chaoi Sze 1933 1963 Sze et Lee, pls.52,2-3 ;56,7.
Ctenis chinensis 1968 Mei et Gu, p.17,18.
Ctenis japonica Oishi 1931 1980 He et Shen, p.23.pls.9,1 ;26,1,3.
Ctenis sp. 1968 Mei et Gu, p.17,25.
Ctenozamites Nathorst 1886
Ctenozamites cf. *cycadea* (Berger 1832) Schenk 1887 1968 Mei et Gu, p.13.
Ctenozamites jianensis Li Y. T. et Ju 1982 1982 Wang et al.,pls.123,6;125,4.
Ctenozamites rigida Liu ex Feng et al. 1978
Ctenozamites sp. 1968 Mei et Gu, p.18.
Cycadites saladini Zeiller 1982 Wang et al.,p.274.pl.119,7.
Cycadocarpidium Nathorst 1886
Cycadocarpidium cf. *erdmannii* Nathorst 1886 1968 Mei et Gu, p.18,26.
Cycadolepis Saporta 1873
Cycadolepis sp. 1968 Mei et Gu, p.25.
Dictyophyllum Lindley et Hutton 1834
Dictyophyllum nathorstii Zeiller 1903 1968 Mei et Gu, p.18,26; 1982 Wang et al.,p.245.pl.112,6.
Drepanozamites Harris 1932
Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1963 Sze et Lee, pl.67,1,2 ; 1982 Wang et al.,p.273.pl.124,3-4.

Drepanozamites sp. 1968 Mei et Gu, p.17,18.
Elatocladus Halle 1913
Elatocladus sp. 1968 Mei et Gu, p.18.
Equisetites Sternberg 1833
Equisetites sp. 1968 Mei et Gu, p.18.
Ferganiella Prinada 1936
Ferganiella podozamioides Lih 1982 Wang et al.,p.290.pl.126,6.
Ferganiella sp. 1968 Mei et Gu, p.18.
Ginkgoites Seward 1919
Ginkgoites sibiricus 1968 Mei et Gu, p.18.
Ginkgoites sp. 1968 Mei et Gu, p.18.
Gleichenites Seward 1926
Gleichenites sp. 1982 Wang et al.,p.242.pl.110,7-9.
Glossophyllum Kräusel 1943
Glossophyllum florini Kräusel 1982 Wang et al.,p.279.pl.128,6.
Hausmannia Dunker 1846
Hausmannia (Protorhipis) leeiana Sze 1933 1968 Mei et Gu, p.17.
Hausmannia (Protorhipis) ussuriensis Kryshstofovich 1923 1968 Mei et Gu, p.17.
Hausmannia sp. Dunker 1846 1968 Mei et Gu, p.18.
Jiangxifolium Zhou 1988
Jiangxifolium denticulatum Zhou 1988 1988 Zhou, pl.I,3,4.
Jiangxifolium mucronatum Zhou 1988 1988 Zhou, pl.I,1,2,5,6.
Lepidopteris Schimper 1869
Lepidopteris ottonis (Goeppert 1836) Schimper 1869 1968 Mei et Gu, p.18.
Mironeura Zhou 1978
Mironeura dakengensis Zhou 1982 Wang et al.,p.269.pl.128,3-4.
Nagatostrobis Kon'no 1962
Nagatostrobis cf. *linearis* 1968 Mei et Gu, p.18.
Nagatostrobis sp.1968 Mei et Gu, p.18.
Neocalamites Halle 1908
Neocalamites carcinoides Harris 1968 Mei et Gu, p.17.
Neocalamites carrerei (Zeiller 1902) Halle 1908 1968 Mei et Gu, p.18; 1982 Wang et al.,p.238.pl.108, 2-3.
Neocalamites Halle 1908
Neocalamites sp. 1968 Mei et Gu, p.18,25.
Nilssonia Brongniart 1825
Nilssonia cf. *compta* (Phillips 1829) Goeppert 1844 1968 Mei et Gu, p.17,18.
Nilssonia cf. *minima* 1968 Mei et Gu, p.17.
Nilssonia cf. *portali* 1968 Mei et Gu, p.17,18.
Nilssonia corrugata Chow et Yao 1982 Wang et al.,p.267.pl.121,1.
Nilssonia furcata Chow et Yao 1968 1968 Mei et Gu, p.17,18,26; 1982 Wang et al.,p.268.pl.121,3-5.
Nilssonia muensteri Presl 1968 Mei et Gu, p.13.
Nilssonia orientalis Heer 1878 1968 Mei et Gu, p.25.

Nilssonia pterophylloides Nathorst 1878 1968 Mei et Gu, p.18,25; 1982 Wang et al.,p.268.pl.124,5.

Nilssonia sp. 1963 Sze et Lee, pl.53,5,6.

Nilssonia sp. 1968 Mei et Gu, p.13,18,26.

Nilssonia syllis Harris 1968 Mei et Gu, p.18.

Nilssonia zeilleri 1968 Mei et Gu, p.18.

Osmundopsis Harris 1931

Osmundopsis sp. 1968 Mei et Gu, p.17,18.

Otozamites Braun 1843

Otozamites sp. 1968 Mei et Gu, p.18.

Otozamites tangyangensis Sze 1982 Wang et al.,p.265.pl.119,10.

Pachypteris Brongniart 1828

Pachypteris lepingensis Yao 1968 1980 He et Shen,p.14. pls.5, 2; 6, 3, 6; 1982 Wang et al.,p.256.pl.116,8.

Phlebopteris angustiloba (Presl) 1982 Wang et al.,p.242.pl.110,1-2.

Phlebopteris Brongniart 1837

Phlebopteris sp. 1968 Mei et Gu, p.25.

Pityophyllum (Nathorst 1897) Seward 1919

Pityophyllum sp. 1968 Mei et Gu, p.25.

Podozamites Braun 1843

Podozamites lanceolatus (cf. *Doratophyllum hsuchiahoense*) 1968 Mei et Gu, p.18.

Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 1968 Mei et Gu, p.15,18; 1982 Wang et al.,p.289.pl.126,4.

Pseudoctenis Seward 1911

Pseudoctenis sp. 1968 Mei et Gu, p.18.

Pterophyllum Brongniart 1825

Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1968 Mei et Gu, p.17,18,26; 1982 Wang et al.,p.259.pl.115,6.

Pterophyllum angustum (Braun) Gothan 1982 Wang et al.,p.259.pl.117,6.

Pterophyllum astartense Harris 1932 1968 Mei et Gu, p.18.

Pterophyllum bavieri Zeiller 1903 1968 Mei et Gu, p.15,17,18.

Pterophyllum cf. *jaegeri* Brongniart 1828 1968 Mei et Gu, p.18.

Pterophyllum cf. *pinnatifidum* Harris 1932 1968 Mei et Gu, p.17,18

Pterophyllum cf. *sinense* Lee 1964 1968 Mei et Gu, p.18.

Pterophyllum decurrens Sze 1968 Mei et Gu, p.15,26.

Pterophyllum exhibens Lee 1964 1968 Mei et Gu, p.17,18.

Pterophyllum nathorstii Schenk 1883 1968 Mei et Gu, p.18.

Pterophyllum pseudomünsteri Sze 1963 Sze et Lee, pls.60,4;61,3; 1982 Wang et al.,p.261.pl.112,4.

Pterophyllum ptilum Harris 1932 1968 Mei et Gu, p.13,15,17,18,25 ; 1982 Wang et al.,p.261.118,8.

Pterophyllum schenki Zeiller 1903 1968 Mei et Gu, p.18.

Pterophyllum sinense Lee 1964 1968 Mei et Gu, p.26.

Pterophyllum sinense Lee 1964 1982 Wang et al.,p.261,117,7.

Pterophyllum sp. 1963 Sze et Lee, pl.62,9.
Pterophyllum sp. 1968 Mei et Gu, p.25.
Pterophyllum subaequale Hartz 1896 1968 Mei et Gu, p.13,17,18,26.
Ptilozamites Nathorst 1878
Ptilozamites chinensis Xu 1950 1963 Sze et Lee, pls.48,2;49,3;72,1; 1968 Mei et Gu, p.17,18;
 1980 He et Shen, p.13. pls.6, 2, 5; 8, 1.
Ptilozamites sp. 1968 Mei et Gu, p.18.
Sagenopteris Presl 1838
Sagenopteris cf. *nilssoniana* (Brongniart 1824) Ward 1900 1968 Mei et Gu, p.18.
Sagenopteris hallei Harris 1932 1980 He et Shen, p.15. pls.4, 3; 5, 3 (cf.).
Sagenopteris sp. 1968 Mei et Gu, p.18.
Sagenopteris undulata 1968 Mei et Gu, p.18(cf.).
Selaginellites Zeiller 1906
Selaginellites yunnanensis Xu 1950 1980 He et Shen, p.6. pls.1, 3, 3a, 6; 2, 4.
Sinoctenis Sze 1931
Sinoctenis calophylla Wu et Li 1968 1982 Wang et al.,p.274. pl.123,4.
Sinoctenis grabauiana Sze 1963 Sze et Lee, pl.68,2,3 ; 1982 Wang et al.,p.274.pl.126,1.
Sphenobaiera Florin 1936
Sphenobaiera cf. *huangii* (Sze 1949) Sze 1956 1968 Mei et Gu, p.17.
Sphenobaiera cf. *longifolia* (Pomel) Florin 1982 Wang et al.,p.277.
Sphenobaiera sp. 1968 Mei et Gu, p.17.
Sphenopteris (Brongniart 1822) Sternberg 1833
Sphenopteris modesta Leckenby 1982 Wang et al.,p.253.pl.109,7.
Sphenopteris sp. 1963 Sze et Lee, pl.52,9.
Sphenopteris sp. 1968 Mei et Gu, p.26.
Sphenozamites (Brongniart 1849) Miquel 1851
Sphenozamites sp. 1968 Mei et Gu, p.17,18.
Stachyotaxus Nathorst 1886
Stachyotaxus sp. 1968 Mei et Gu, p.18.
Stenopteris Saporta 1872
Stenopteris sp. 1968 Mei et Gu, p.18.
Stenorachis Saporta 1879
Stenorachis sp. 1968 Mei et Gu, p.15.
Taeniopteris Brongniart 1828
Taeniopteris cf. *leclerei* Zeiller 1903 1968 Mei et Gu, p.18.
Taeniopteris sp. (cf. *Doratophyllum hsuchiahoense*) 1968 Mei et Gu, p.17.
Taeniopteris sp. 1968 Mei et Gu, p.15,17,25,26.
Thallites pinghsiangensis Hsü 1963 Sze et Lee, pl.I,1; 1982 Wang et al.,p.237.pl.108,1.
Thallites Walton 1925
Thaumatopteris Goeppert 1841
Thaumatopteris sp. 1968 Mei et Gu, p.13.
Thinnfeldia cf. *rhomboidalis* Ettingshausen 1852 1968 Mei et Gu, p.18.
Thinnfeldia sp. 1968 Mei et Gu, p.18.
Thinnfeldia Von Ettingshausen 1852

Todites Seward 1900

Todites denticulatus (Brongniart 1828) Krasser 1921 1963 Sze et Lee, pl.20,3-4 ; 1982 Wang et al., p.240. pl.111,6; 1968 Mei et Gu, p.26.

Todites shensiensis (P'an) 1982 Wang et al.,p.240.pl.109,6.

Zamites Brongniart 1828

Zamites jiangxiensis Yao et Li 1968 1968 Mei et Gu, p.13,15 ; 1982 Wang et al.,p.265.pl.122,6.

Fujian (1987 He, Zhangping City, Wenbinshan Formation; 1982 Wang et al., Dakeng and Xi'nan, Zhangping City ; Yangzhuang Village and Xiamei, Chong'an ; Ganshuitan, Ninghua County ; Malanling, Changting County ; Longjing, Wuping County ; Jitou, Shanghang County ; Gekou, Anxi County ; Baiyu, Hua'an County ; Longshan Hill, Nanjing County, Wenbinshan Formation and Jiaokeng Formation ; 1978 Zhou, Dakeng, Zhangping City, Wenbinshan Formation)

Annulariopsis Zeiller 1902

Annulariopsis sp. 1978 Zhou, p.90.

Anomozamites Schimper 1870

Anomozamites cf. *major* (Brongniart) 1978 Zhou, p.90; 1982 Wang et al.,p.263.pl.119,6.

Anomozamites cf. *minor* (Brongniart 1824) Nathorst 1878 1978 Zhou, p.91.

Anomozamites cf. *nitida* Harris 1932 1978 Zhou, p.90.

Anomozamites giganteus Zhou 1978 1978 Zhou, p.91; 1982 Wang et al.,p.262.pl.118,2-3.

Anomozamites inconstans (Braun) 1978 Zhou, p.90.

Anomozamites inconstans (Goepfert 1843) Schimper 1870 1978 Zhou, p.91.

Anomozamites loczyi Schenk 1884 1978 Zhou, p.111.pl.22,7 ; 1978 Zhou, p.91; 1982 Wang et al.,p.262.pl.118,4.

Anomozamites sp. 1987 He, pl.21,2.

Anthrophyopsis Nathorst 1878

Anthrophyopsis crassinervis Nathorst 1878 1982 Wang et al.,p.271.pl.126,8.

Baiera Braun 1843

Baiera elegans Oishi 1932 1978 Zhou, p.90; 1982 Wang et al.,p.276.pl.122,2.

Baiera minuta Nathorst 1878 1978 Zhou, p.118.pl.28,3 ; 1978 Zhou, p.90.

Baiera multipartita Sze et Lee 1952 1982 Wang et al.,p.277.pl.129,12.

Cladophlebis Brongniart 1849

Cladophlebis fukiensis Sze 1982 Wang et al.,p.250.pl.113,3-4.

Cladophlebis heterophylla Zhou 1982 Wang et al.,p.250.pl.115,5.

Cladophlebis ichünensis Sze 1956 1982 Wang et al.,p.252.pl.114,6.

Cladophlebis sp. 1978 Zhou, p.90.

Clathropteris Brongniart 1828

Clathropteris meniscioides Brongniart 1828 1978 Zhou, p.90; 1978 Zhou,p.99.pl.18,7,7a,8.

Clathropteris platyphylla (Goepfert 1842) Brongniart 1849 1978 Zhou, p.90.

Ctenis anomozamioides P. Lee 1982 Wang et al.,p.268.pl.122,3.

Ctenis chaoi Sze 1933 1982 Wang et al.,p.270.pl.121,8.

Ctenis japonica Oishi 1982 Wang et al.,p.270.pl.125,5.

Ctenis Williamson ex Lingdley et Hutton 1834

Ctenozamites Nathorst 1886

Ctenozamites cf. *cycadea* (Berger 1832) Schenk 1887 1978 Zhou, p.90.

Ctenozamites cf. cycadea (Berger 1832) Schenk 1887 1978 Zhou, p.91.

Ctenozamites ptilozamioides Zhou 1978 Zhou, p.116.pl.27,1-5; 1982 Wang et al.,p.272.pl.125,2.

Ctenozamites sarranii Zeiller 1978 Zhou, p.91; 1982 Wang et al.,p.272.pl.125,1 ; 1987 He, pls.18,1; 20,1.

Cycadocarpidium Nathorst 1886

Cycadocarpidium erdmannii Nathorst 1886 1978 Zhou, p.90; 1982 Wang et al., p.289. pl. 127,2-3; 1987 He, pl.19,4.

Cycadolepis corrugata Zeiller 1903 1978 Zhou, pls.XXI, 11; XXVIII, 13; 1982 Wang et al.,p.273.pl.122,5.

Cycadolepis Saporta 1873

Danaeopsis Presl 1845

Danaeopsis fecunda Halle 1978 Zhou, p.97.pls.15,11;16,1,2; 1982 Wang et al.,p.239.pl.109,2-4; 1982 Wang et al.,p.239.pl.109,2-4.

Dictyophyllum Lindley et Hutton 1834

Dictyophyllum exile (Brauns 1862) Nathorst 1878 1978 Zhou, p.90; 1978 Zhou,p.102.pl.18, 2,2a,3; 1987 He, pls.19,3 ;20,3.

Dictyophyllum nathorstii Zeiller 1903 1978 Zhou, p.90; 1982 Wang et al.,p.245.112,6.

Dictyophyllum nilssonii (Brongniart 1828) Goeppert 1846 1978 Zhou, p.90.

Drepanozamites Harris 1932

Drepanozamites nilssonii (Nathorst 1878) Harris 1932 1982 Wang et al.,p.273.pl.124,3-4.

Equisetites Sternberg 1833

Equisetites multidentatus Oishi 1932 1982 Wang et al.,p.238.pl.108,7.

Equisetites planus Sze 1963 Sze et Lee, pl.IV,1,2.

Equisetites sp. 1978 Zhou, p.90.

Equisetites sp. 1978 Zhou, p.90.

Glossophyllum Kraeusel 1943

Glossophyllum shensiensis Sze 195 1982 Wang et al., p.279.pl.126,5; 1978 Zhou, p.118.pl.27,6.

Goeppertella Oishi et Yamasita 1936

Goeppertella sp. 1978 Zhou, pl.XVIII, 10; 1982 Wang et al.,p.247.pl.114,4.

Hausmannia Dunker 1846

Hausmannia leeiana Sze 1933 1982 Wang et al.,p.247.pl.114,7.

Lepidopteris Schimper 1869

Lepidopteris ottonis (Goeppert 1836) Schimper 1869 1978 Zhou, p.90; 1978 Zhou,p.105.pl.19, 4-6; 1987 He, pl.18,2.

Marattia Swartz 1788

Marattia asiatica (Kawasaki) Harris 1982 Wang et al.,p.240.pl.109,5.

Mironeura Zhou 1978

Mironeura dakengensis Zhou 1978 1978 Zhou, p.114.pl.25, 1,1a,2; 1982 Wang et al.,p.269.pl.128,3-4.

Neocalamites Halle 1908

Neocalamites carrerei (Zeiller 1902) Halle 1908 1978 Zhou, p.96.pl.15, 6,7,7a; 1982 Wang et al.,p.238.pl.108,2-3; 1987 He, pl.17,4.

Neocalamites sp. 1978 Zhou, p.90.

Nilssonia Brongniart 1825

Nilssonia brevis Brongniart 1825 1978 Zhou, p.91; 1982 Wang et al.,p.267. pl.121,9.
Nilssonia compta (Phillips) Braun 1978 Zhou, p.90.
Nilssonia linearis Sze 1978 Zhou, p.91.
Nilssonia princeps (Oldham et Morris 1863) Seward 1917 1982 Wang et al.,p.268.pl.121,2.
Nilssonia pterophylloides Nathorst 1978 Zhou, p.90.
Otozamites Braun 1843
Otozamites huaanensis Wang 1982 1982 Wang et al.,p.264.pl.120,1-2.
Pachypteris Brongniart 1828
Pachypteris sp. 1978 Zhou, p.91.
Pecopteris (*Asterotheca*) cf. *cottonii* Zeiller 1978 Zhou, p.90.
Pecopteris (*Asterotheca*) cf. *cottonii* Zeiller 1982 Wang et al.,p.249.pl.109,9.
Pecopteris (Brongniart 1822) Brongniart 1825
Pecopteris (Brongniart 1822) Brongniart 1825
Pecopteris concinna Presl 1838(UTNori-Rhae) 1982 Wang et al.,p.249.pl.109,1.
Phlebopteris Brongniart 1837
Phlebopteris braunii (Goeppert 1841) Hirmer et Hoerhammer 1936 1982 Wang et al.,p.242. pl.110,3.
Podozamites Braun 1843
Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 1978 Zhou, p.90,91.
Podozamites schenkii Heer 1876 1978 Zhou, p.90.
Pterophyllum Brongniart 1825
Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1978 Zhou, p.91.
Pterophyllum astartense Harris 1932 1982 Wang et al.,p.260. pl.118,5.
Pterophyllum bavieri Zeiller 1903 1978 Zhou, p.91; 1978 Zhou,p.109. pl.22, 2; 1982 Wang et al.,p.260. pl.116,1.
Pterophyllum cf. *pinnatifidum* Harris 1932 1978 Zhou, p.91.
Pterophyllum ctenoides Oishi 1931 1982 Wang et al.,p.260.pl.116,7.
Pterophyllum exhibens Lee 1964 1978 Zhou, p.91; 1982 Wang et al.,p.260.pl.118,1; 1987 He, pls.17,5a ;19,1.
Pterophyllum nathorstii Schenk 1883 1978 Zhou, p.91.
Pterophyllum pinnatifidum Harris 1932 1982 Wang et al.,p.261.pl.116,6.
Pterophyllum ptilum Harris 1932 1978 Zhou, p.91; 1987 He, pl.20,4 ; 1987 He, pl.20,4 ; 1978 Zhou, p.109.pl.21, 1.
Pterophyllum sinense Lee 1964 1978 Zhou, p.91; 1987 He, pls.17,1a; 19,2,5; 21,6.
Pterophyllum subaequale Hartz 1896 1978 Zhou, p.91.
Pterophyllum zhangpingense Wang 1982 1982 Wang et al.,p.262.pl.119,4-5; 1987 He, pls.17,1b ;20,2.
Pterophyllum zygotacticum Harris 1982 Wang et al.,p.262.pl.119,2.
Ptilophyllum Morris 1837
Ptilophyllum sp. 1978 Zhou, p.91.
Ptilozamites Nathorst 1878
Ptilozamites chinensis Xu 1950 1978 Zhou, p.106.pl.20,1-4 ; 1978 Zhou, p.90; 1982 Wang et al.,p.255.pls.118,6-7;119,1.
Ptilozamites nilssonii Nathorst 1878 1978 Zhou, p.91; 1982 Wang et al., p.256. pl.115,7.

Ptilozamites sp. 1987 He, pl.18,5a.
Ptilozamites tenuis Oishi 1987 He, pl.20,5.
Radicites Potonié 1893
Radicites sp. 1978 Zhou, p.90.
Sinoctenis Sze 1931
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Spiropteris sp. 1978 Zhou, p.90.
Stachyotaxus Nathorst 1886
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Taeniopteris Brongniart 1828
Taeniopteris cf. jourdyi Zeiller 1902 1978 Zhou, p.90.
Taeniopteris cf. lanceolata Ôishi 1978 Zhou, p.90.
Taeniopteris obliqua Chow et Wu 1978 Zhou, p.90.
Taeniopteris parvula Heer 1987 He, pl.18,5b(?).
Taeniopteris tenuinervis Brauns 1978 Zhou, p.91; 1987 He, pl.21,5.
Thallites Walton 1925
Thallites sp. 1978 Zhou, p.90.
Thinnfeldia rhomboidalis Ettingshausen 1852 1978 Zhou, p.91.
Thinnfeldia Von Ettingshausen 1852
Todites denticulatus (Brongniart 1828) Krasser 1921 1978 Zhou, p.90.
Todites goeppertianus (Muenster 1846) Krasser 1922 1982 Wang et al.,p.240.pl.109,8.
Todites Seward 1900
Todites shensiensis (P'an 1936) Sze 1956 1982 Wang et al.,p.240.pl.109,6.
Zamites Brongniart 1828
Zamites jiangxiensis Yao et Li 1987 He, pl.17,5b.
Zamites sp. 1978 Zhou, p.90.
Zamites truncatus Zeiller 1903 1978 Zhou, p.112.pl.25,4 ; 1982 Wang et al.,p.266.pl.122,8.

Zhejiang (1982 Wang et al., Daotang Hill, Jiangshan City ; Wuzao, Yiwu City, Wuzao Formation)

Cladophlebis Brongniart 1849
Cladophlebis yiwuensis Chen 1982 1982 Wang et al., p.252.pl.115,1-2.
Cycadocarpidium Nathorst 1886
Cycadocarpidium erdmannii Nathorst 1886 1982 Wang et al., p.289.pl.127,2-3.
Cycadocarpidium swabii Nathorst 1982 Wang et al., p.289.pl.127,6-7.
Dictyophyllum Lindley et Hutton 1834
Dictyophyllum exile (Brauns 1862) Nathorst 1878(UT-LJ) 1982 Wang et al., p.245.pl.112,2.
Phlebopteris Brongniart 1837
Phlebopteris angustiloba (Presl) 1982 Wang et al., p.242. pl.110,1-2.
Thaumatopteris (Goeppert) Nathorst 1876
Thaumatopteris cf. brauniana Popp 1982 Wang et al., p.244.pl.113,5.
Thaumatopteris cf. nipponica Ôishi 1982 Wang et al., p.244.pl.111,1.

Thinnfeldia Ettingshausen 1852

Thinnfeldia jiangshanensis Chen 1982 1982 Wang et al., p.254.pl.116,2-3.

Guizhou (1978 Zhang et al., Shengquanshui and Sanqiao Bridge, Guiyang City; Wangfeng, Bijie City; Tongzi County; Shanpen, Zunyi City; Zhijin County; Longjing and Maotai, Renhuai County; Weining County; Smelly Coal Field and Dazhai, Nayong County; Anlong County; Langdai, Liuzhi County; 1991 Chen et al., Langdai Region, Liuzhi County, Upper Coal Formation of Guandaoya Section; 1991a, b Chen et Jiao, Langdai, Liuzhi County, Upper Coal Formation of Guandaoya Section)

Amdrupia Harris 1932

Amdrupia cladophleboides Yao 1968 1978 Zhang, p.487.pl.CLXIII, 8 9(?).

Anomozamites Schimper 1870

Anomozamites minor (Brongniart 1824) Nathorst 1878 1978 Zhang, p.482.pl.CLXII, 5 (cf.).

Cladophlebis Brongniart 1849

Cladophlebis shensiensis P'an 1936 1978 Zhang, p.472.pl.CLVII, 1, 2.

Clathropteris Brongniart 1828

Clathropteris meniscioides Brongniart 1828 1978 Zhang, p.478.pl.CLXI, 7.

Clathropteris tenuinervis Wu 1976 1978 Zhang, p.478.pl.CLXI, 6.

Ctenozamites bullatus Chen et Duan 1991 1991 Chen et al., pl.I-II ; 1991 Chen et al., pl.I-II.

Ctenozamites drepanoides Chen et Duan 1992 1992 Chen et al., pl.I,1-7.

Ctenozamites Nathorst 1886

Cycadocarpidium Nathorst 1886

Cycadocarpidium erdmannii Nathorst 1886 1978 Zhang, pl.CLXIV, 4, 5.

Danaeopsis Presl 1845

Danaeopsis fecunda Halle 1978 Zhang, pl.CLIX, 5.

Equisetites Sternberg 1833

Equisetites sp. 1978 Zhang, pl.CLI, 1.

Lepidopteris Schimper 1869

Lepidopteris ottonis (Goeppert 1836) Schimper 1869 1978 Zhang, fig.p.473; pl.CLIX, 6.

Neocalamites Halle 1908

Neocalamites carrerei (Zeiller 1902) Halle 1908 1978 Zhang, pl.CLI, 2.

Nilssonia Brongniart 1825

Nilssonia acuminata (Presl 1838) Goeppert 1844 1978 Zhang, pl.CLXIII, 5 (cf.).

Nilssonia compta (Phillips 1829) Goeppert 1844 1978 Zhang, pl.CLXIII, 11 (cf.).

Nilssonia pterophylloides Nathorst 1878 1978 Zhang, pl.CLXIII, 10 (cf.).

Podozamites Braun 1843

Podozamites lanceolatus (Lindley et Hutton 1837) Braun 1843 fa. Ovalis Heer 1876 1978 Zhang, pl.CLXIV, 2.

Podozamites schenkii Heer 1876 1978 Zhang, pl.CLXIV, 3.

Pterophyllum Brongniart 1825

Pterophyllum aequale (Brongniart 1824) Nathorst 1878 1978 Zhang, pl.CLXII, 8.

Pterophyllum otofoliolatum Xu et Hu ex Zhang 1978 1978 Zhang, pLCLXIII, 6.

Pterophyllum ptilum Harris 1932 1978 Zhang, pl.CLXII, 6.

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Rhaphidopteris latiloba Chen et Jiao 1991 1991a Chen et Jiao, pl.I,1-5.
Rhaphidopteris liuzhiensis Chen et Jiao 1991 1991a Chen et Jiao, pl.II,1-4.
Sinoctenis Sze 1931
Sinoctenis venulosa Wu 1966 1978 Zhang, pl.CLXII, 7; 1966 Wu, p. 233-238.
Thaumatopteris Goeppert 1841
Thaumatopteris brauniana Popp 1863 1978 Zhang, pl.CLXI, 10.
Thaumatopteris schenkii Nathorst 1878 1978 Zhang, pl.CLXI, 2.
Todites Seward 1900
Todites denticulatus (Brongniart 1828) Krasser 1921 1978 Zhang, pl.CLVII, 8.
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Part 2. Microfossils

Permian

Kungurian-Roadian (8 Sections Studied)

Yunnan (1998 Gao, 1998 Yang and 2000 Fang et al., Baoshan, Western Yunnan, Dingjiazhai Formation; 1996 Yang et Liu, Tengchong, Western Yunnan, Kongshuhe Formation)

Acanthotriletes superbis Foster 1980 1998 Gao, pl.I,14.

Alisporites ovatus Balme and Hennelly 1956 1998 Gao, pl.II,17.

Angulisporites triverrucosus Gao 1989 1998 Gao, pl.I,18.

Auroraspora sp. 1998 Yang, p.1997; 2000 Fang et al.,p.268.

Barakarites rotatus (Balme and Hennelly) Bharadwaj and Tiwari 1964 1998 Gao, pl.I,29.

Bipartitisporis sp. cf. *Verrucosisporites trisecatus* Balme and Hennelly 1956 1998 Gao, pl.I,15.

Calamospora microrugosa 1998 Yang, p.1997; 2000 Fang et al.,p.268.

Calamospora sp. 1998 Gao, pl.I,1.

Candidispora candida Venkatachala and Kar 1968 1998 Gao, pl.II,13.

Cannanoropollis cf. *janakii* Potonie and Sah 1960 1998 Gao, pl.I,24-25.

Cannanoropollis mehtae (Lele) Bose and Mahoshwari 1968 1998 Gao, pl.I,13.

Cordaitina uralensis cf. *striata* Samolovich 1953 1998 Gao, pl.II,8.

Cycadopites cymbatus (Balme and Hennelly) Segroves 1970 1998 Gao, pl.II,32.

Cycadopites sp. 1998 Gao, pl.II,33.

Densoipollenites sp. 1998 Gao, pl.I,22.

Dentatispora sp. 1998 Gao, pl.I,16.

Dictyotriletes sp. 1998 Yang, p.1997; 2000 Fang et al.,p.268.

Distriatites insolitus Bharadwaj and Salujha 1965 1998 Gao, pl.II,29.

Florinites minutus Bharadwaj 1957 1998 Gao, pl.I,21.

Guthoerlisporites magnificus Bharadwaj 1957 1998 Gao, pl.I,27.

Horriditriletes ramosus (Balme and Hennelly) Bharadwaj and Salujha 1964 1998 Gao, pl.I,12-13.

Horriditriletes tereteangulatus (Balme and Hennelly) comb. Backhouse 1991 1998 Yang, p.1997; 2000 Fang et al.,p.268.

Indotriradites niger 1998 Yang, p.1997; 2000 Fang et al.,p.268.

Interradispora daedala Foster 1979 1998 Gao, pl.I,4.

Interradispora robusta (Foster) Forster 1980 1998 Gao, pl.I,6-7

Interradispora sp. 1998 Yang, p.1997; 2000 Fang et al.,p.268.

Jayantisporites variabilis 1998 Yang, p.1997; 2000 Fang et al.,p.268.

Limitisporites cf. *rectus* 1998 Yang, p.1997; 2000 Fang et al.,p.268.

Lundbladispora springsurensis De Jersey 1979 1998 Gao, pl.I,19.

Marsupipollenites triradiatus Balme and Hennelly 1956 1998 Gao, pl.II,34.

Microbaculispora sp. 1998 Gao, pl.I,11.

Microbaculispora fentula Tiwari 1965 1998 Gao, pl.I,9-10

Microbaculispora tentula Tiwari 1965 1998 Gao, pl.I,8; 1998 Yang, p.1997; 2000 Fang et al.,p.268.

Microfoveolatispora directa (Balme and Hennelly) Bharadwaj 1962 1998 Gao, pl.I,3-4.

Navifusa sp. 1998 Gao, pl.II,35.
Parasaccites distinctus Tiwari 1965 1998 Gao, pl.I,30-31.
Plicatipollenites Baoshanensis (sp. nov) 1998 Gao, pl.II,9.
Plicatipollenites densus Srivastava 1970 1998 Gao, pl.I,26.
Plicatipollenites spp. 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Plicatipollenites sp. 1998 Gao, pl.II,5.
Potonieisporites magnus Lele and Karim 1971 1998 Gao, pl.II,6.
Potonieisporites neglutus Potonie and Lele 1961 1998 Gao, pl.I,28.
Primupollenites obsurus Tiwari 1965 1998 Gao, pl.II,12.
Propinguispora praetholus Price 1983 1996 Yang et Liu, pl.14.1,12,15.
Protohaploxypinus amplus (Balme and Hennelly) Hart 1964 1998 Gao, pl.II,25; 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Protohaploxypinus limpidus (Balme and Hennelly) Balme and Playford 1967 1998 Gao, pl.II,30; 1998 Yang, p.1997.
Protohaploxypinus limpidus 2000 Fang et al.,p.268.
Protohaploxypinus pennatulus (Andreyeva) Hart 1964 1998 Gao, pl.II,31.
Protohaploxypinus rugatus 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Pseudoreticulatispora confluens (Archangelsky and Gamero) 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Pteruchipollenites gracilis (Segroves) Foster 1980 1998 Gao, pl.II,26.
Punctatisporites obesus (Loose) Potonie and Kremp 1955 1998 Gao, pl.I,2.
Retusotriletes diversiformis 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Retusotriletes sp. 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Sahnites spp. 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Scheuringipollenites ovatus (Balme and Hennelly) Foster 1975 1998 Gao, pl.II,15-16.
Scheuringipollenites sp. 1998 Gao, pl.II,7.
St riatopodicarpites cancellatus (Balme and Hennelly) Hart 1963 1998 Gao, pl.II,20-21.
St rotersporites indicus Tiwari 1965 1998 Gao, pl.II,22-24.
Striatoabieites multistriatus 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Striatopodocarpites brevis Sinha 1972 1998 Gao, pl.II,10.
Striatopodocarpites cancellatus 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Striatopodocarpites rarus (Balme and Sulujha) Balme 1970 1998 Gao, pl.II,18-19.
Striatopodocarpites sp. 1998 Gao, pl.II,27.
Triquitrites sp. 1998 Gao, pl.I,16.
Tumoripollenites sp. 1998 Gao, pl.II,11.
Verrucosisporites cf. andersonii 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Vestigisporites hennellyi Hart 1964 1998 Gao, pl.II,14.
Virkipollenites triangularis Potonie and Lele 1961 1998 Gao, pl.I,32.
Vitreisporites signatus (= *V. pallidus*) Leschik 1965 1998 Gao, pl.II,28.
Vittatina fasciolata (Balme and Hennelly) Bharadwaj and Srivastava 1968 1998 Gao, pl.II,2; 1998 Yang, p.1997.
Vittatina fasciolata (Balme and Hennelly) Bharaswaj 2000 Fang et al.,p.268.
Vittatina minor Gao 1984 1998 Gao, pl.II,1.
Vittatina vittifer (Luber and Waltz) Samolovich 1953 1998 Gao, pl.II,4.

Vittatinacostabilis Wilson 1962 1998 Gao, pl.II,3.
Weylandites lucifer 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Weylandites magmus 1998 Yang, p.1997; 2000 Fang et al.,p.268.
Wilsonites delicatus Kosanke 1950 1998 Gao, pl.I,20.

Hunan (1982 Jiang, Qingfeng, Shimen County, Liangshan Formation)

Cirratriradites Wilson et Coe 1940
Cirratriradites sp. 1982 Jiang, pl.405,11.
Clavisporis Bharadwaj et Venkatachala 1962
Clavisporis florescentis Chan 1982 Jiang, pl.404,19.
Densosporites (Berry) Butterworth et al. 1964
Densosporites ma'anian Chen 1982 Jiang, pl.405,3.
Densosporites sp. 1982 Jiang, pl.405,1.
Gulisporites Imgrund 1960
Gulisporites topidus Playford 1982 Jiang, pl.397,28.
Lepyrisporites Chen 1978
Lepyrisporites jiangnanensis Chen 1982 Jiang, pl.405,5-9.
Lucidisporites Leschik 1956
Lucidisporites sp. 1982 Jiang, pl.405,10.
Rotaspora Schemel 1950
Rotaspora sp. 1982 Jiang, pl.404,16,17,18.
Striolatospora Ouyang & Lu 1979
Striolatospora microrugosa (Tschudy et Kosanke) 1982 Jiang, pl.414,3.
Tholisporites Butterworth et Williams 1958
Tholisporites sp. 1982 Jiang, pl.405,12-16.
Triquitrites (Wilson et Coe) Potonié et Kremp 1954
Triquitrites sp. 1982 Jiang, pl.406,20.

Guizhou (1989 Gao et al., Kuli Well, Lushan Hill, Kaili County; Huangmao Stockade, Guanying Village; Maque Hillside, Longchang Field; Yudong Village; Dog Field, Liangshan Formation)

Alisporites sp. 1989 Gao et al., pl.II,17.
Alisporites sp. 1989 Gao et al., pl.II,26.
Alisporites splendens (Leschik) Foster 1976 1989 Gao et al., pl.II,27.
Angulisporites triverrucosus Gao 1989 1989 Gao et al., pl.I,19.
Apiculatisporis aculeatus (Ibrahim) Potonie et Kremp 1955 1989 Gao et al., pl.I,11.
Calamospora flexilis Kosanke 1989 Gao et al., pl.I,6.
Calamospora pallid (Loose) Schopf, Wilson et Bentall 1944 1989 Gao et al., pl.I,5.
Calamospora sp. 1989 Gao et al., pl.I,7.
Calamospora tritrochalosa Gao 1989 1989 Gao et al., pl.I,3.
Calamospora vulnerda Gao 1984 1989 Gao et al., pl.I,4.
Convolutispora gingina Gao 1989 1989 Gao et al., pl.I,12.
Convolutispora sp. 1989 Gao et al., pl.I,14.
Convolutispora venusta Hoffmeister, Staplin and Malloy 1955 1989 Gao et al., pl.I,13.
Cordaitina sp. 1989 Gao et al., pl.II,16.

Corisaccites alatus Venkatachala and Kar 1966 1989 Gao et al., pl.II,22-23.
Crassispora sp. 1989 Gao et al., pl.I,22.
Cristatisporites cf. *microspinosus* Gao 1987 1989 Gao et al., pl.I,30.
Densosporites anulatus (Loose) Smith et Butterworth 1967 1989 Gao et al., pl.I,21.
Densosporites sp. 1989 Gao et al., pl.I,20.
Endosporites globiformis (Ibrahim) Schopf, Wilson and Bentall 1944 1989 Gao et al., pl.I,31.
Endosporites punctatus Gao 1984 1989 Gao et al., pl.I,32.
Extrapunctatosporites fabaeformis (Agrali and Akyol) Alpern and Doubinger 1973 1989 Gao et al., pl.II,5.
Florinites mediapudens (Loose) Potonie and Kremp 1956 1989 Gao et al., pl.II,15.
Florinites ovalis Bharadwaj 1957 1989 Gao et al., pl.II,14.
Florinites sp. 1989 Gao et al., pl.II,19.
Foveolatisporites guizhouensis Gao 1989 1989 Gao et al., pl.I,17.
Gulisporites cochlearius Imgrund 1960 1989 Gao et al., pl.I,25.
Laevigatosporites perminutus Alpern 1958 1989 Gao et al., pl.II,4.
Laevigatosporites vulgaris (Ibrahim) Alpern and Doubinger 1973 1989 Gao et al., pl.II,1-3.
Leiotriletes adnatoides Potonie et Kremp 1955 1989 Gao et al., pl.I,1.
Lueckisporites virkkiae Potonie and Klaus 1954 1989 Gao et al., pl.II,24-25.
Lundbladispota gigantean (Alpern) Doubinger 1989 Gao et al., pl.I,23.
Lycospora rotunda (Bharadwaj) Somers 1972 1989 Gao et al., pl.I,18.
Macrotorispora cothayensis Chen 1979 1989 Gao et al., pl.II,10-11.
Macrotorispora media (Ouyang) Chen 1979 1989 Gao et al., pl.II,9.
Protohaploxylinus sp. 1989 Gao et al., pl.II,32-33.
Punctatisporites bervivenosus Kaiser 1973 1989 Gao et al., pl.I,8.
Raistrickia irregularis Kosanke 1950 1989 Gao et al., pl.I,15.
Raistrickia rubida Kosanke 1950 1989 Gao et al., pl.I,16.
Reticulatisporites mirabilis Gao 1984 1989 Gao et al., pl.II,13.
Schizaeoisporites microrugosus Tschudy and Kosanke 1966 1989 Gao et al., pl.II,12.
Sinulatisporites sinensis Gao 1984 1989 Gao et al., pl.I,24.
Striatites minor Klaus 1963 1989 Gao et al., pl.II,31.
Striatopodocarpites cancellatus (Maheshwari) Jardine 1974 1989 Gao et al., pl.II,29-30.
Sulcatisporites oratus (Balme and Hennelly) Balme 1970 1989 Gao et al., pl.II,21.
Tantillus perstantus Gao 1989 1989 Gao et al., pl.I,28.
Thymospora pseudothiessenii (Kosanke) Wilson and Venkatachala 1963 1989 Gao et al., pl.II,8.
Torispora pseudothiessenii (Kosanke) Wilson and Venkatachala 1963 1989 Gao et al., pl.II,7.
Torispora securis (Balme) Alpern, Doubinger and Horst 1965 1989 Gao et al., pl.II,6.
Tripartites trilinguis (Hart) Potonie et Kremp 1956 1989 Gao et al., pl.I,27.
Triquitrites tribullatus (Ibrahim) Schopf, Wilson and Bentall 1944 1989 Gao et al., pl.I,26.
Verrucosisporites sp. 1989 Gao et al., pl.I,9.
Verrucosisporites verrucosus Ibrahim 1933 1989 Gao et al., pl.I,10.
Vesiculatisporites merisus Gao 1984 1989 Gao et al., pl.I,29.
Vitreisporites signatus Leschik 1956 1989 Gao et al., pl.II,20.
Vitreisporites sp. 1989 Gao et al., pl.II,28.
Waltzispota plamngulata Sullivan 1968 1989 Gao et al., pl.I,2.

Wilsonites delicatus (Kosanke) Kosanke 1959 1989 Gao et al., pl.II,18.

Wordian-Capitanian (2 Sections Studied)

Zhejiang (1995 Hou et Song, Jiashan Coal Field, Changxing County, Yanqiao Formation)

Abietinaepollenites lembocarpus 1995 Hou et Song, p.173.

Acanthotriletes sp. 1995 Hou et Song, p.173.

Alisporites subleavius 1995 Hou et Song, p.173.

Alisporites tenuicarpus Balme 1995 Hou et Song, pl.XXIII,4.

Anticapipollis tornatilis 1995 Hou et Song, p.173.

Apiculatasporites aculeatus 1995 Hou et Song, p.172.

Apiculatasporites changxingensis Hou et Song 1995 1995 Hou et Song, p.172.

Apiculatasporites nanus 1995 Hou et Song, p.172.

Apiculatasporites perirugosus 1995 Hou et Song, p.172.

Apiculatasporites spinulistratus 1995 Hou et Song, p.172.

Apiculatisporis aculeatus (Ibrahim) Potonié et Kremp 1995 Hou et Song, pl.XX,7-9.

Apiculatisporis cf. *pyriformis* 1995 Hou et Song, p.173.

Calamospora microrugosa (Ibrahim) Schof, Wilson et Bentall 1995 Hou et Song, pl.XIX,6,8(cf.).

Calamospora microrugosa 1995 Hou et Song, p.172.

Calamospora pallid 1995 Hou et Song, p.172.

Calamospora sp. 1995 Hou et Song, p.173.

Converrucosisporites pseudocommunis Hou et Song 1995

Convolutispora cf. *venusta* 1995 Hou et Song, p.173.

Convolutispora sp. 1995 Hou et Song, pl.XX,18.

Cordaitina uralensis 1995 Hou et Song, p.173.

Crassispora kosankei (Potonié et Kremp) Bhardwaj 1995 Hou et Song, pl.XXI,29.

Crassispora ovalis Bharadwaj 1995 Hou et Song, pl.XX,24.

Crucisaccites quadratoides (Zhou) Hou et Song 1995 1995 Hou et Song, p.173.

Cycadopites sp. 1995 Hou et Song, pl.XXIII,28.

Cyclogranisporites aureus 1995 Hou et Song, p.172.

Cyclogranisporites micaceus 1995 Hou et Song, p.172.

Cyclogranisporites pressus 1995 Hou et Song, p.172.

Dictyophyllidites cf. *discretus* 1995 Hou et Song, p.173.

Dictyophyllidites discretus Ouyang 1995 Hou et Song, pl.XIX,12-14.

Florinites antiques 1995 Hou et Song, p.173.

Florinites flonni 1995 Hou et Song, p.173.

Foveotisporites nigracristatus Hou et Song 1995 1995 Hou et Song, p.172.

Gardenasporites sp. 1995 Hou et Song, pl.XXIII,12.

Gardenasporites sp. 1995 Hou et Song, p.173.

Granulatisporite parvus 1995 Hou et Song, p.173.

Granulatisporites adnatoides 1995 Hou et Song, p.172.

Granulatisporites granulatus 1995 Hou et Song, p.172.

Granulatisporites microgranifer Ibrahim 1995 Hou et Song, pl.XIX,25.

Granulatisporites piroformis Loos 1995 Hou et Song, pl.XIX,24.

Gulisporites cochlearius (Imgrund) Imgrund 1995 Hou et Song, pl.XIX,21.
Gulisporites sp. 1995 Hou et Song, p.173.
Illinites cf. *unicus* 1995 Hou et Song, p.173.
Illinites unicus Kosanke 1995 Hou et Song, pl.XXIII,9(cf.).
Knoxisporites instarrotular 1995 Hou et Song, p.172.
Laevigatosporites desmoinensis 1995 Hou et Song, p.173.
Laevigatosporites lineolatus Ouyang 1995 Hou et Song, pl.XXII,5-6.
Laevigatosporites minimus 1995 Hou et Song, p.173.
Laevigatosporites cf. *maximus* 1995 Hou et Song, p.173.
Leiotriletes cf. *adnatus* 1995 Hou et Song, p.173.
Leiotriletes concavus (Kosanke) Potonié et Kremp 1995 Hou et Song, pl.XIX,5.
Leiotriletes exiguus Ouyang et Li 1995 Hou et Song, pl.XIX,4.
Leiotriletes ornatus 1995 Hou et Song, p.172.
Leiotriletes pulvinulus Ouyang 1995 Hou et Song, pl.XIX,3.
Leiotriletes sp. 1995 Hou et Song, p.173.
Limitisporites rhombicorus 1995 Hou et Song, p.173.
Lophotriletes comissuralis 1995 Hou et Song, p.173.
Lophotriletes gibbosus (Ibrahim) Potonié et Kremp 1995 Hou et Song, pl.XIX,26.
Lophotriletes microsaetosus 1995 Hou et Song, p.173.
Lophotriletes paratrilobata Hou et Song 1995 Hou et Song, p.172.
Lueckisporites virkkiae 1995 Hou et Song, p.173.
Lycospora cf. *torquifer* 1995 Hou et Song, p.173.
Lycospora granulate 1995 Hou et Song, p.173.
Macrotorispora gigantean 1995 Hou et Song, p.173.
Macrotorispora media 1995 Hou et Song, p.173.
Microreticulatisporites microtubercosus (Loose) Potonié et Kremp 1995 Hou et Song, pl.XX, 14(cf.).
Mooretisporites sp. 1995 Hou et Song, p.173.
Neoraistrickia irregularis Ouyang et Li 1995 Hou et Song, pl.XXI,1.
Neoraistrickia rigida 1995 Hou et Song, p.172.
Neoraistrickia sp. 1995 Hou et Song, p.173.
Neoraistrickia spanis 1995 Hou et Song, p.172.
Nixispora sinica Ouyang 1995 Hou et Song, pl.XX,22.
Patellisporites meishanensis Ouyang 1995 Hou et Song, pl.XXI,9.
Propterisipora verruculifera 1995 Hou et Song, p.173.
Protohaploxypinus dvinensis 1995 Hou et Song, p.173.
Protohaploxypinus ovaticorpus Zhou 1995 Hou et Song, pl.XXIII,23.
Protohaploxypinus ovaticorpus Zhou 1995 Hou et Song, pl.XXIII,8.
Protohaploxypinus samoilovichii (Jansonius) Hart 1995 Hou et Song, pl.XXIII,17.
Protohaploxypinus samoilovichii 1995 Hou et Song, p.173.
Protopinus cyclocorpus 1995 Hou et Song, p.173.
Punctatisporites cf. *palmipedites* 1995 Hou et Song, p.173.
Punctatisporites elegans Ouyang 1995 Hou et Song, pl.XIX,16-17.
Punctatisporites incomptus 1995 Hou et Song, p.173.

Punctatisporites obliquus 1995 Hou et Song, p.172.
Punctatisporites palmipedites Ouyang 1995 Hou et Song, pl.XIX,18.
Punctatosporites major 1995 Hou et Song, p.173.
Punctatosporites minutus 1995 Hou et Song, p.173.
Punctatosporites punctatus 1995 Hou et Song, p.173.
Pustulatisporites paradoxus 1995 Hou et Song, p.173.
Raistrickia leptosiphcula Hou et Song 1995 1995 Hou et Song, pl.XXI,3.
Raistrickia saetosa (Loose) Schopf, Wilson et Bentall 1995 Hou et Song, pl.XXI,28.
Reticulatisporites sp. 1995 Hou et Song, p.173.
Schopfites phalacroscis 1995 Hou et Song, p.172.
Shanxispora sp. 1995 Hou et Song, p.173.
Stellisporites inflatus Alpern 1995 Hou et Song, pl.XIX,30(cf.).
Striatopodocarpites sp. 1995 Hou et Song, pl.XXIII,20.
Taeniaetosporites yunnanensis Ouyang 1995 Hou et Song, pl.XXII,18.
Thymospora pseudothiessenii 1995 Hou et Song, p.173.
Torisporea laevigata Bhardwadwaj 1995 Hou et Song, pl.XXII,15.
Torisporea securis 1995 Hou et Song, p.173.
Tripartites aucrosus Hou et Song 1995 1995 Hou et Song, p.173.
Tripartites cristatus Dybova et Jachowicz 1995 Hou et Song, pl.XXII,3.
Triquitrites bransonii 1995 Hou et Song, p.173.
Triquitrites cf. *crassus* 1995 Hou et Song, p.173.
Triquitrites cf. *tribullatus* 1995 Hou et Song, p.173.
Triquitrites crassus Kosanke 1995 Hou et Song, pl.XXI,16(cf.).
Triquitrites cristatus 1995 Hou et Song, p.173.
Triquitrites paraprortatus 1995 Hou et Song, p.173.
Triquitrites rugulatus 1995 Hou et Song, p.173.
Triquitrites sinensis 1995 Hou et Song, p.173.
Triquitrites tarsus Hou et Song 1995 1995 Hou et Song, p.173.
Triquitrites tribullatus (Ibrahim) Schopf, Wilson et Bentall 1995 Hou et Song, pl.XXII,4.
Triquitrites vetustus 1995 Hou et Song, p.173.
Tuberculatosporites impustus Ouyang 1995 Hou et Song, pl.XXII,12.
Tuberculatosporites medius 1995 Hou et Song, p.173.
Tuberculatosporites micropinosus 1995 Hou et Song, p.173.
Verrucosiaporites cf. *verrucosus* 1995 Hou et Song, p.173.
Verrucosiaporites morulatus 1995 Hou et Song, p.173.
Verrucosiaporites ovimammus 1995 Hou et Song, p.173.
Verrucosiaporites microtuberosus 1995 Hou et Song, p.172.
Vesicaspora fusiformis 1995 Hou et Song, p.173.
Vesicaspora wilsonii 1995 Hou et Song, p.173.
Vittatina hiltonensis 1995 Hou et Song, p.173.
Waltzisporea stricture 1995 Hou et Song, p.172.
Yunnanosporea radiata 1995 Hou et Song, p.173.

Hunan (1978 Chen, Qingfeng, Shimen County, Ma'an Section of Qixia Formation)

Cirratriradites sp. 1978 Chen, pl.120,19.
Clavisporis florescenes Chen 1978 1978 Chen, pl.119,26.
Densosporites ma'anian Chen 1978 1978 Chen, pl.120,3.
Densosporites sp. 1978 Chen, pl.120,1.
Gulisporites topidus Playford 1978 Chen, pl.116,10(cf.).
Laevigatosporites maximus (Loose) Potonié et Kremp 1978 Chen, pl.121,6.
Lepyrisporites jiangnanensis Chen 1978 1978 Chen, pl.120,13,15-17.
Lucidisporites sp. 1978 Chen, pl.120,20.
Lycospora pseudoanulata Kosanke 1978 Chen, pl.119,15(cf.).
Lycospora uber (Hoffmeister, Staplin et Malloy) Staplin 1978 Chen, pl.119,17(cf.).
Rotaspora sp. 1978 Chen, pl.119,22,25.
Tholisporites sp. 1978 Chen, pl.120,14,18,21-22.
Triquitrites sp. 1978 Chen, pl.119,5.

Wuchiapingian (12 Sections Studied)

Yunnan (1986 Ouyang, Yishankou, Fuyuan County, Lower Xuanwei Formation; 1982 Ouyang, Yishankou, Fuyuan County; Qingyun County, Lower Xuanwei Formation)
Abietinaepollenites lembocorpus Ouyang 1986 1986 Ouyang, pl.XI,8,9.
Acanthotriletes ciliatus (Knox) Potonié et Kremp 1955 1986 Ouyang, pl.IV,17.
Anticipipollis tornatilis (Chen) Ouyang 1979 1986 Ouyang, pl.XII,13-16.
Apiculatasporites sp. 1986 Ouyang, pl.V,4.
Apiculatasporites nanus Ouyang 1986 1986 Ouyang, pl.IV,15,16,18,19.
Apiculatasporites variocorneus Sullivan 1964 1986 Ouyang, pl.VI,1,2,5,10.
Apiculatasporites perirugosus (Ouyang et Li) Ouyang 1982 1986 Ouyang, pl.IV,20,23-26,28.
Apiculatasporites pyriformis Ouyang 1986 1986 Ouyang, pl.XIV,5-7.
Archaeodinium cingulatum Ouyang 1979 1986 Ouyang, pl.XIV,13,14,16-18.
Calamospora microrugosa (Ibr.), Schopf, Wilson 1986 Ouyang, pl.II,26,27.
Calamospora pedata Kosanke 1950 1986 Ouyang, pl.II,7(cf.).
Cordaitina uralensis (Luber) Samoilovich 1982 Ouyang, pl.II,6.
Crassispora orientalis Ouyang et Li 1980 1986 Ouyang, pl.VIII,11,14-16.
Cyclogranisporites sp. 1982 Ouyang, pl.IV,4.
Cyclogranisporites aureus (Loose) Potonié et Kremp 1955 1986 Ouyang, pl.III,11.
Cyclogranisporites congestus Leschik 1955 1986 Ouyang, pl.III,12,13(cf.).
Cyclogranisporites pressus (Imgr.) Potonié et Kremp 1955 1986 Ouyang, pl.III,8.
Cyclogranisporites micaceus (Imgr.) Imgrund 1960 1986 Ouyang, pl.III,14.
Cyclogranisporites pseudozonatus Ouyang 1986 1986 Ouyang, pl.V,10,11.
Dictyophyllidites sp. 1986 Ouyang, pl.II,1.
Dictyophyllidites intercrassus Ouyang et Li 1980 1986 Ouyang, pl.II,4.
Foveosporites sp. 1982 Ouyang, pl.II,7.
Foveosporites foratus Ouyang 1986 1986 Ouyang, pl.VII,19.
Gardenasporites sp. 1982 Ouyang, pl.II,15.
Gleicheniidites sp. 1986 Ouyang, pl.II,2.
Granulatisporites adnatooides (Pot. et Kr.) Smith et Butterworth 1967 1986 Ouyang, pls.I,8;

II,9,10.

- Laevigatosporites lineolatus* Ouyang 1962 1986 Ouyang, pl.IX,1-3.
Laevigatosporites maximus (Loose) Potonié et Kremp 1955 1986 Ouyang, pl.IX,4,9,10.
Laevigatosporites minimus (Wils. et Coe) Schopf, Wilson et Bentall 1944 1986 Ouyang, pl.IX,5,6.
Leiotriletes sp. 1982 Ouyang, pl.II,3.
Leiotriletes adnatus (Kos.) Potonié et Kremp 1954 1986 Ouyang, pl.I,2.
Leiotriletes concavus (Kos.) Potonié et Kremp 1955 1986 Ouyang, pl.I,35.
Leiotriletes exiguus Ouyang et Li 1980 1986 Ouyang, pl.I,10-13.
Leiotriletes pulvinulus Ouyang 1986 1986 Ouyang, pl.I,1,3,4.
Leiotriletes sporadicus (Imgr.) Potonié et Kremp 1955 1986 Ouyang, pl.I,5.
Leschikisporites stabilis Ouyang et Li 1980 1986 Ouyang, pl.II,22-25.
Lunzisorites sp. 1986 Ouyang, pl.IV,13.
Macrotorispora gigantean (Ouyang 1962) Ouyang et Lu 1980 1986 Ouyang, pl.IX,22.
Macrotorispora media (Ouyang 1962) Chen 1978 1986 Ouyang, pl.IX,20,21.
Multinodisporites junctus Ouyang et Li 1980 1986 Ouyang, pl.VII,24.
Multinodisporites sinuatus Ouyang 1986 1986 Ouyang, pl.VI,12,13.
Neoraistrickia sp. 1982 Ouyang, pl.II,7.
Neoraistrickia irregularis Ouyang et Li 1980 1986 Ouyang, pl.V,19-22.
Neoraistrickia robusta Ouyang 1986 1986 Ouyang, pl.V,13,17,18.
Neoraistrickia spanis Ouyang 1986 1986 Ouyang, pl.V,24.
Neoraistrickia tuberculoides Ouyang 1986 1986 Ouyang, pl.V,16.
Nixispora sinica Ouyang 1979 1986 Ouyang, pl.V,6-9.
Patellisorites meishanensis Ouyang 1962 1986 Ouyang, pl.VIII,5-9.
Polypodiidites sp. 1986 Ouyang, pl.X,7,16.
Propterisipora sp. 1982 Ouyang, pl.II,10.
Propterisipora sparsus Ouyang et Li 1980 1986 Ouyang, pl.VII,1,5.
Propterisipora verruculifera Ouyang 1986 1986 Ouyang, pl.VII,2-4.
Protopinus sp. 1982 Ouyang, pl.II,16.
Protopinus cyclocorpus Ouyang 1986 1986 Ouyang, pl.XI,10-18.
Psophosphaera flava (Les.) Ouyang 1982 1986 Ouyang, pl.XII,26,27.
Punctatisporites sp. 1982 Ouyang, pl.II,4.
Punctatisporites elegans Ouyang 1986 1986 Ouyang, pl.III,3,4,9,10.
Punctatisporites latilus Ouyang 1986 1986 Ouyang, pl.II,19,20.
Punctatisporites palmipedites Ouyang 1962 1986 Ouyang, pl.II,5,18.
Punctatisporites scabellus (Imgr.) Imgrund 1960 1986 Ouyang, pl.IX,7.
Pustulatisporites sp. 1982 Ouyang, pl.II,9.
Pustulatisporites paradoxus Ouyang 1986 1986 Ouyang, pl.IV,30,31.
Reticulatisporites sp. 1986 Ouyang, pl.VI,14.
Reticulatisporites excelsus Ouyang 1986 1986 Ouyang, pl.VI,11.
Schopfites sp. 1982 Ouyang, pl.II,1.
Schopfites phalacroscis Ouyang 1986 1986 Ouyang, pl.III,15-17,19,20.
Striatites sp. 1986 Ouyang, pl.XIII,7.
Taeniaesporites yunnanensis Ouyang 1979 1986 Ouyang, pl.IX,18,19.
Thymospora mesozoica Ouyang et Li 1980 1986 Ouyang, pl.X,13,14.

Torispora laevigata Bhardwaj 1957 1986 Ouyang, pl.IX,12,14,15.
Torispora securis (Balme) Alpern, Doubinger et Hörst 1965 1986 Ouyang, pl.IX,13,16,17.
Triquitrites sp. 1986 Ouyang, pl.VII,14.
Triquitrites cristatus Dybova et Jachowicz var. *minor* Ouyang 1986 1986 Ouyang, pl.VII,8-11, 13.
Triquitrites hunanensis Chen 1978 1986 Ouyang, pl.VIII,1(cf).
Triquitrites rugulatus Ouyang 1986 1986 Ouyang, pl.VI,17-22.
Triquitrites sinensis Ouyang 1962 1986 Ouyang, pl.VIII,2,3.
Umbilisaccites elongatus Ouyang 1979 1986 Ouyang, pl.XI,26.
Verrucosporites ovimammus Imgrund 1952 1986 Ouyang, pl.IV,1.
Vitreisporites cryptocarpus Ouyang et Li 1980 1986 Ouyang, pl.XI,21,22.
Vitreisporites pallidus (Reiss.) Nilsson 1958 1986 Ouyang, pl.XI,19,20.
Waltzisporea stricture Ouyang et Li 1980 1986 Ouyang, pl.I,14-19.
Waltzisporea yunnanensis Ouyang et Li 1980 1986 Ouyang, pl.II,16.
Yunnanospora radiata Ouyang 1979 1986 Ouyang, pl.X,17-22.

Jiangsu (2002 Yang, A10 Well, Jurong County)

Alisporites sp. 2002 Yang ,p.313.pl.II,18.
Anticapipollis spp. 2002 Yang ,p.313.pl.II,21, 23, 24.
Anticapipollis tornatilis (Chen) Ouyang 2002 Yang ,p.313.pl.II,20.
Anticapipollis cf. *tornatilis* (Chen) Ouyang 2002 Yang ,p.313.pl.II,22, 26.
Bactrosporites spp. 2002 Yang ,p.313.pl.II,25, 28, 30.
Bactrosporites cf. *shaoshanensis* Chen 2002 Yang ,p.313.pl.II,29.
Calamospora sp. 2002 Yang ,p.313.pl.I ,23.
Converrucosporites sp. 2002 Yang ,p.313.pl.I ,16.
Cycadopites sp. 2002 Yang ,p.313.pl.II,10.
Densoisporites sp. 2002 Yang ,p.313.pl.I ,17.
Granulatisporites spp. 2002 Yang ,p.313.pl.I,5, 10.
Gulisporites leavigatus Gao 2002 Yang ,p.313.pl.I,4.
Laevigatosporites minimus Ibr. 2002 Yang ,p.313.pl.II,8, 9.
Leiotriletes sp. 2002 Yang ,p.313.pl.I,3.
Leiotriletes adnatus (Kosanke) Potonie et Kremp 2002 Yang ,p.313.pl.I,1, 2.
Limitisporites rhombicarpus Zhou 2002 Yang ,p.313.pl.II,16, 17.
Lunzispores yunnanensis Ouyang 2002 Yang ,p.313.pl.I,15.
Lycospora granulata Kosanke 2002 Yang ,p.313.pl.I ,14.
Microreticulatisporites? sp. 2002 Yang ,p.313.pl.I,19.
Patellisporites? sp. 2002 Yang ,p.313.pl.I,21, 22.
Pteruchipollenites spp. 2002 Yang ,p.313.pl.II,15, 19.
Pteruchipollenites reticarpus Ouyang 2002 Yang ,p.313.pl.II,12, 13, 14.
Punctatisporites spp. 2002 Yang ,p.313.pl.I,27, 28.
Punctatisporites obesus (Loose) Potonie et Kremp 2002 Yang ,p.313.pl.I,26.
Reticulatisporites? sp. 2002 Yang ,p.313.pl.I,25.
Torispora securis (Balme) Alpern et Doubinger 2002 Yang ,p.313.pl.II,1, 2, 3, 4.
Torispora laevigata Bharadwaj 2002 Yang ,p.313.pl.II,6, 7.
Tripartites cristatus Dybova et Jachowicz 2002 Yang ,p.313.pl.I ,8, 9.

Triquitrites sp. 2002 Yang ,p.313.pl.I ,11.
Triquitrites regulatus Ouyang 2002 Yang ,p.313.pl.I ,12, 13.
Tuberculatosporites spp. 2002 Yang ,p.313.pl.I,29, 30.
Verrucosisporites sp. 2002 Yang ,p.313.pl.I,20,24.
Verrucosisporites papulosus Hacquebard 2002 Yang ,p.313.pl.I ,18.
Vestigisporites sp. 2002 Yang ,p.313.pl.II,27.
Waltzisporea cf. *granulate* Wu 2002 Yang ,p.313.pl.I,6, 7.

Hunan (1978 Chen and 1982 Jiang, Baohetang, Shaodong County; Shaoshan, Xiangtan County; Tiaomajian, Changsha County; Meitanba, Ningxiang County; Guandu Bridge, Liuyang County, Longtan Formation)

Acanthotriletes (Naumova) Potonié et Kremp 1954
Acanthotriletes liuyangensis Chen 1982 Jiang, pl.403,20.
Acanthotriletes microspinosus (Ibrahim) Chen 1982 Jiang, pl.403,19.
Acanthotriletes piruliformis (Kara-Murza) Chen 1982 Jiang, pl.403,21.
Ahrensispurites Potonié et Kremp 1954
Ahrensispurites sp. 1982 Jiang, pl.400,12.
Alisporites (Dougherty) Potonié et Kremp 1956
Alisporites sublevis (Luber) Chen 1982 Jiang, pl.417,7-12.
Angulisporites Potonié et Kremp 1954
Angulisporites sp. 1982 Jiang, pl.404,20.
Apiculatisporites Ibrahim 1933
Apiculatisporites sp. 1982 Jiang, pl.401,15,17.
Apiculatisporites spinosus Loose 1982 Jiang, pl.401,12.
Anticapipollis Ouyang et Li 1979
Anticapipollis sp. 1982 Jiang, pl.416,13.
Auroserisporites Chen 1978
Auroserisporites hunanensis Chen 1982 Jiang, pl.416,1-2.
Bactrosporites Chen 1978
Bactrosporites medius Chen 1978 1978 Chen, pl.125,7; 1982 Jiang, pl.416,4-5.
Bactrosporites shaoshanensis Chen 1978 1978 Chen, pl.125,5-6; 1982 Jiang, pl.416,3,6.
Bactrosporites uber Chen 1978 1978 Chen, pl.125,8; 1982 Jiang, pl.416,8.
Cadiospora Kosanke 1950
Cadiospora glabra Chen 1978 1978 Chen, pl.119,21; 1982 Jiang, pl.404,9.
Calamospora Schopf, Wilson et Bentall 1944
Calamospora sp. 1978 Chen, pl.117,10.
Calamospora flava Kosanke 1982 Jiang, pl.400,1,4.
Calamospora flexilis Kosanke 1982 Jiang, pl.400,6.
Calamospora liquida Kosanke 1982 Jiang, pl.400,9.
Calamospora luntaniana Chen 1978 1978 Chen, pl.116,117,2; 1982 Jiang, pl.400,3.
Calamospora microrugosa (Ibrahim) Schopf, Wilson et Bentall 1982 Jiang, pl.400,7.
Calamospora pallida (Loose) Schopf, Wilson et Bentall 1982 Jiang, pl.400,2.
Calamospora pusilla Pepper 1982 Jiang, pl.400,8,11.
Calamospora sterrosa Chen 1978 1978 Chen, pl.117,11; 1982 Jiang, pl.400,10.

Cedripites Wodehouse 1933
Cedripites sp. 1982 Jiang, pl.417,25.
Chordasporites Klaus 1960
Chordasporites orientalis Ouyang et Li 1982 Jiang, pl.418,9.
Cingulatisporites Thomson (Thomson et Pflug) emend. R. Potonié
Cingulatisporites sp. 1982 Jiang, pl.404,23.
Converrucosisporites Potonié et Kremp 1954
Converrucosisporites sp. 1982 Jiang, pl.402,13-14.
Convolutispora Hoffmeister, Staplin et Malloy 1955
Convolutispora inspissatus Jiang 1982 1982 Jiang, pl.402,5.
Convolutispora vermiculata (Kosanke) Chen 1982 Jiang, pl.401,18.
Cordaitina (Samoilowitsch 1953) Hart 1964
Cordaitina uralensis (Luber) Samoilowitsch 1982 Jiang, pl.415,12.
Cordaitina grandireticulata Schatkinskaja 1982 Jiang, pl.415,13.
Cordaitina sp. 1982 Jiang, pl.415,8.
Crassispora (Bhardwaj) Sullivan 1964
Crassispora latigranifer (Loose) Ouyang 1982 Jiang, pl.403,2.
Crassispora sp. 1982 Jiang, pl.405,2.
Cyclobaculatisporites Bhardwaj 1955
Cyclobaculatisporites ovimammus (Imgrund) Bhardwaj 1982 Jiang, pl.402,2-4.
Cyclogranisporites Potonié et Kremp 1954
Cyclogranisporites microgranus Bhardwaj 1982 Jiang, pl.401,2-3,7.
Cyclogranisporites provectus Kosanke 1982 Jiang, pl.401,1.
Cyclogranisporites sp. 1982 Jiang, pl.401,4-5,8,20,21.
Densosporites (Berry) Butterworth et al. 1964
Densosporites anulatus (Loose) Butterworth et al. 1982 Jiang, pl.405,4.
Dikranotorispora Jiang 1982
Dikranotorispora fusus Jiang 1982 1982 Jiang, pl.411,1,7.
Diptychosporites Chen 1978
Diptychosporites nephroformis Chen 1978 1978 Chen, pl.122,9-10; 1982 Jiang, pl.412,5-6,8.
Diptychosporites polygoniatus Chen 1978 1978 Chen, pl.122,2,4,6; 1982 Jiang, pl.412,1-2,4.
Duplexisporites (Derk.) emend. Playford et Deltmann 1965
Duplexisporites sp. 1982 Jiang, pl.404,21-22.
Florinites Schopf, Wilson et Bentall 1944
Florinites antiquus Schopf 1982 Jiang, pl.415,3.
Florinites elegans Wilson et Kosanke 1982 Jiang, pl.415,1.
Florinites eremus Balme et Hennelly 1982 Jiang, pl.415,11.
Florinites milloti Butterworth et Williams 1982 Jiang, pl.415,6.
Florinites subrotatus (Luber) Chen 1982 Jiang, pl.415,2.
Florinites volans (Loose) Potonié et Kremp 1982 Jiang, pl.415,5.
Florinites sp. 1982 Jiang, pl.415,7,9,10.
Gardenasporites Klaus 1963
Gardenasporites sp. 1982 Jiang, pl.418,18.
Gnetaceaepollenites (Thiergart 1938) emend. Jansonius 1962

Gnetaceaepollenites multistriatus Jansonius 1982 Jiang, pl.419,3.
Granulatisporites (Ibrahim) Potonié et Kremp 1954
Granulatisporites parvus (Ibrahim) Potonié et Kremp 1982 Jiang, pl.401,9-11.
Granulatisporites piroformis Loose 1982 Jiang, pls.401,6;403,4-7.
Gulisporites Imgrund 1960
Gulisporites pyramidalis (Luber) Chen 1982 Jiang, pl.397,27.
Hunanospora Chen 1978
Hunanospora florida Chen 1982 Jiang, pl.412,15-17.
Hunanospora splendida Chen 1982 Jiang, pl.412,3,7,10-11,14.
Ibrahimspores Artuz 1957
Ibrahimspores sp. 1978 Chen, pl.118,4.
Istisporites R. Potonié 1956
Istisporites sp. 1982 Jiang, pl.400,5.
Knoxisporites Potonié et Kremp 1954
Knoxisporites instarrotulae (Horst) Potonié et Kremp 1954 1982 Jiang, pl.404,2-3.
Laevigatosporites Ibrahim 1933
Laevigatosporites asperatus Jiang 1982 1982 Jiang, pl.409,3-5,9.
Laevigatosporites callosus Balme 1982 Jiang, pl.409,6.
Laevigatosporites labrosus Jiang 1982 1982 Jiang, pl.408,9-10.
Laevigatosporites lineonatus Ouyang 1978 Chen, pl.121,7.
Laevigatosporites longlabris Ouyang 1982 Jiang, pl.408,23,26.
Laevigatosporites maximus (Loose) Potonié et Kremp 1982 Jiang, pl.409,11-14.
Laevigatosporites medius Kos. 1982 Jiang, pls.408,18,20-21;409,8.
Laevigatosporites minimus (Wilson & Coe) Schopf, Wilson & Bentall 1982 Jiang, pl.408,1.
Laevigatosporites ovalis Kosanke 1982 Jiang, pl.408,13-15,22.
Laevigatosporites robustus Kosanke 1982 Jiang, pl.408,24.
Laevigatosporites vulgaris Ibr. 1982 Jiang, pl.408,16,25.
Laevigatosporites sp. 1982 Jiang, pl.408,7.
Latosporites Potonié et Kremp 1954
Latosporites latus (Kosanke) Potonié et Kremp 1954 1982 Jiang, pl.408,11-12,17.
Latosporites major Chen 1982 Jiang, pl.409,10.
Leiotriletes (Naumova) Potonié et Kremp 1954
Leiotriletes sp. 1978 Chen, pl.116,7,8,12.
Leiotriletes adnatoides Potonié et Kremp 1954 1982 Jiang, pl.397,1-5.
Leiotriletes adnatus (Kosanke) Potonié et Kremp 1954 1982 Jiang, pl.397,7.
Leiotriletes bullus Jiang 1982 1982 Jiang, pl.397,6,26.
Leiotriletes exignus Ouyang & Li 1982 Jiang, pl.397,9-16.
Leiotriletes gulaferus Potonié et Kremp 1982 Jiang, pl.397,29-30.
Leiotriletes minor Jiang 1982 1982 Jiang, pl.397,18-19.
Leiotriletes ornatus Ischenko 1982 Jiang, pl.397,20-23.
Leschikisporis R. Potonié 1958
Leschikisporis sp. 1982 Jiang, pl.409,7.
Leschikisporis callosus Jiang 1982 1982 Jiang, pl.409,1-2.
Limitisporites (Leschik) emend. R. Potonié 1958

Limitisporites isofrumentarius Chen 1978 1978 Chen, pl.126,11; 1982 Jiang, pl.417,13.
Limitisporites monstrosus (Luber & Waltz) Hart 1982 Jiang, pl.417,16.
Limitisporites sp. 1982 Jiang, pl.417,14.
Lueckisporites (Potonié et Klaus) emend. R. Potonié 1959 1982 Jiang, pl.418,12.
Lueckisporites sp. 1982 Jiang, pl.418,13.
Lophotriletes (Naumova) Potonié et Kremp 1954
Lophotriletes gibbosus (Ibr.) Pot. & Kr. 1982 Jiang, pl.403,8-9,11.
Lophotriletes pseudoculeatus Pot. & Kr. 1982 Jiang, pl.403,12(cf.).
Lophotriletes rectispinus var. *triangulate* (Andreeva) Ouyang 1982 Jiang, pl.403,14-18,25.
Lophotriletes spinosellus (Waltz) Chen 1982 Jiang, pl.403,1.
Lophotriletes sp. 1982 Jiang, pl.403,10,13.
Lophozonotriletes (Naumova) R. Potonié 1958
Lophozonotriletes crassoides Chen 1978 1978 Chen, pl.119,18,23; 1982 Jiang, pl.405,18-19.
Lycospora (Schopf. Wilson et Bentall) Potonié et Kremp 1954
Lycospora rotunda Bhardwaj 1982 Jiang, pl.404,10-13.
Macrotorispora Gao 1978
Macrotorispora arcuata Chen 1978 1978 Chen, pl.121,15; 1982 Jiang, pl.410,15.
Macrotorispora cathayensis Chen 1982 Jiang, pl.410,1,12.
Macrotorispora gigantea (Ouyang) Gao 1982 Jiang, pls.410,4;411,2-3,5-6.
Macrotorispora laevigata Gao (MS) 1978 Chen, pl.121,18.
Macrotorispora leschika Jiang 1982 1982 Jiang, pl.411,8.
Macrotorispora media (Ouyang) Chen 1982 Jiang, pl.411,4.
Macrotorispora ovate Chen 1978 1978 Chen, pl.122,7; 1982 Jiang, pl.410,16-17.
Microreticulatisporites (Knox) Potonié et Kremp 1954
Microreticulatisporites fistulosus (Ibrahim) Knox 1982 Jiang, pl.403,23.
Ovalipollis (Kruttsch) Klaus 1960
Ovalipollis sp. 1982 Jiang, pl.415,4.
Ovalipollis lunzensis Klaus 1982 Jiang, pl.416,16(cf.).
Ovalipollis tener Chen 1978 1978 Chen, pl.125,13-14; 1982 Jiang, pl.416,12,17.
Ovalipollis tornatilis Chen 1978 1978 Chen, pl.125,10-12; 1982 Jiang, pl.416,11,14-15.
Patellisporites Ouyang 1961
Patellisporites clarus Holotypus 1982 Jiang, pl.407,10-12.
Patellisporites hunanensis Chen 1982 Jiang, pl.407,1-2,16.
Patellisporites hormos Jiang 1982 1982 Jiang, pl.407,20-22.
Patellisporites meishanensis Ouyang 1982 Jiang, pl.407,4-9.
Patellisporites robustus Ouyang et Li 1982 Jiang, pl.407,23-24.
Patellisporites tiaomaensis Jiang 1982 1982 Jiang, pl.407,13-15,17-19.
Patellisporites verrucosus Chen 1982 Jiang, pl.407,3.
Pilasporites Balme et Hannelly 1956
Pilasporites reticularis Chen 1982 Jiang, pl.419,10.
Pilasporites hunanensis Jiang 1982 1982 Jiang, pl.419,1,4.
Pityosporites (Seward) emend. R. Potonié 1958
Pityosporites sp. 1982 Jiang, pl.418,19.
Pityosporites hunanensis Jiang 1982 1982 Jiang, pl.417,1-4.

Pityosporites granulatus Leschik 1982 Jiang, pl.417,21.
Planisporites (Knox 1950) Potonié 1960
Planisporites hunanensis Jiang 1982 1982 Jiang, pl.401,13,16.
Planisporites perirugosus Ouyang & Li 1982 Jiang, pl.401,14.
Platysaccus (Naum.) ex Potonié et Kremp 1954
Platysaccus undulatus Ouyang et Li 1982 Jiang, pl.418,2,4,7.
Platysaccus conexus Ouyang et Li 1982 Jiang, pl.418,3,5-6,8.
Platysaccus phaselosaccatus (Lakhanpal, Sah. et Dube 1960) Chen 1982 Jiang, pl.418,1.
Platysaccus sp. 1982 Jiang, pl.418,10-11.
Proprisporites Neves 1958
Proprisporites radius Chen 1978 1978 Chen, pl.119,6; 1982 Jiang, pl.404,5.
Proprisporites shaoshanensis Chen 1978 1978 Chen, pl.119,2; 1982 Jiang, pl.404,4.
Protohaploxylinus (Samoilowitsch) emend. Hart 1964
Protohaploxylinus volaticus (Ischenko) Hart 1982 Jiang, pl.416,417,27.
Protohaploxylinus sp. 1982 Jiang, pl.417,26.
Pteruchipollenites Couper 1958
Pteruchipollenites reticarpus Ouyang et Li 1982 Jiang, pl.417,19-20.
Punctatisporites (Ibrahim) Potonié et Kremp 1954
Punctatisporites sp. 1978 Chen, pl.116,17.
Punctatisporites cathayensis Ouyang 1982 Jiang, pl.398,10,16.
Punctatisporites divisus Jiang 1982 1982 Jiang, pl.398,4-5.
Punctatisporites gigantus Jiang 1982 1982 Jiang, pl.399,5-6.
Punctatisporites inconspicuous Jiang et Hu 1982 1982 Jiang, pl.395,25-27.
Punctatisporites minutus Kosanke 1982 Jiang, pl.398,3.
Punctatisporites obliquus Kosanke 1982 Jiang, pl.398,12.
Punctatisporites palmipedites Ouyang 1982 Jiang, pls.398,6-9,11,14;399,8,11.
Punctatisporites scitulus Jiang 1982 1982 Jiang, pl.399,1,3.
Punctatisporites vernicosus Chen 1982 Jiang, pl.398,1.
Punctatosporites Ibrahim 1933
Punctatosporites major Ouyang 1982 Jiang, pl.410,18.
Punctatosporites minutus Ibr. 1982 Jiang, pl.408,18.
Punctatosporites punctatus (Kosanke) Chen 1982 Jiang, pl.408,8.
Raistrickia (Schopf, Wilson et Bentall) Potonié et Kremp 1957
Raistrickia aculeolata Wilson et Kosanke 1982 Jiang, pl.403,26.
Raistrickia fulgida Chen 1982 Jiang, pl.403,28.
Raistrickia pilosa Kosanke 1982 Jiang, pl.403,27.
Raistrickia sp. 1982 Jiang, pl.403,24.
Reticulatisporites (Ibrahim) Potonié et Kremp 1954
Reticulatisporites sp. 1982 Jiang, pls.403,22;404,1.
Schizaeoisporites bellulus Chen 1978 1978 Chen, pl.124,1-2.
Schizaeoisporites lucidus Chen 1978 1978 Chen, pl.124,4.
Speciososporites Potonié et Kremp 1954
Speciososporites sp. 1982 Jiang, pl.412,16.
Stenozonotriletes (Naumova) ex Naumova 1953 emend. R. Potonié 1958

Stenozonotriletes sp. 1982 Jiang, pl.404,6,8.
Stenozonotriletes tumidus Chen 1982 Jiang, pl.404,7.
Striatopodocarpites (Samoil.) Hart 1964
Striatopodocarpites compressus Ouyang et Li 1982 Jiang, pl.418,15-17.
Striolatospora Ouyang & Lu 1979
Striolatospora bellulus (Chen) 1982 Jiang, pl.414,1-2.
Striolatospora lucidus (Chen) 1982 Jiang, pl.414,4,9.
Striolatospora major Jiang 1982 1982 Jiang, pl.414,10-12,14-16.
Striolatospora microrugosa (Tschudy et Kosanke) 1982 Jiang, pl.414,3.
Striolatospora minora Jiang 1982 1982 Jiang, pl.414,5-8,13.
Tholisporites Butterworth et Williams 1958
Tholisporites sp. 1982 Jiang, pl.405,12-16.
Thymospora Wilson et Venkatachala 1963
Thymospora sp. 1982 Jiang, pl.413,15.
Thymospora anthracis Chen 1978 1978 Chen, pl.123,1,4; 1982 Jiang, pl.413,17-18.
Thymospora marcida Chen 1978 1978 Chen, pl.123,13; 1982 Jiang, pl.413,14.
Thymospora margara Chen 1978 1978 Chen, pl.123,3; 1982 Jiang, pl.413,11.
Thymospora pulchra Chen 1978 1978 Chen, pl.123,5,11,12; 1982 Jiang, pl.412,9,12,13.
Thymospora reticulate (Alpern) Wilson et Venkatachala 1982 Jiang, pl.413,9-10.
Thymotorispora Jiang 1982
Thymotorispora margara Jiang 1982 1982 Jiang, pl.413,5-7.
Torisporea (Balme 1952) emend. Gao 1978
Torisporea laevigata Bhardwaj 1982 Jiang, pl.410,13.
Torisporea reticulate Jiang 1982 1982 Jiang, pl.410,7,9.
Torisporea securis Balme 1982 Jiang, pls.410,2-3,5-6,8,11,14.
Torisporea verrucosa Alpern 1982 Jiang, pl.410,10.
Trileites (Erdtman) ex R. Potonié 1956
Trileites sp. 1982 Jiang, pl.399,4.
Tripartites (Schemel) Potonié et Kremp 1954
Tripartites cristatus Dybova et Jachowicz 1982 Jiang, pl.406,1-11.
Tripartites specialis Jachowicz 1982 Jiang, pl.406,13(cf.).
Triquitrites (Wilson et Coe) Potonié et Kremp 1954
Triquitrites humanensis Chen 1978 1978 Chen, pl.119,7; 1982 Jiang, pl.406,16.
Triquitrites incisus Turnau 1982 Jiang, pl.406,24-25.
Triquitrites microgranifer Ouyang 1982 Jiang, pl.406,17-18.
Triquitrites sinensis Ouyang 1982 Jiang, pl.406,15,19,22.
Triquitrites rugulatus Ouyang 1982 Jiang, pl.406,14.
Triquitrites tiaomajianensis Jiang 1982 1982 Jiang, pl.406,26-29.
Triquitrites sp. 1982 Jiang, pl.406,23.
Tuberculatorispora Jiang 1982
Tuberculatorispora acuta Jiang 1982 1982 Jiang, pl.413,1-3.
Tuberculatosporites Imgrund 1952
Tuberculatosporites acutus Ouyang 1982 Jiang, pl.413,12-13,16.
Tuberculatosporites antheros Chen 1978 1978 Chen, pl.123,2; 1982 Jiang, pl.413,19.

Tuberculatosporites minor Chen 1978 1978 Chen, pl.122,13; 1982 Jiang, pl.413,8.
Tuberculatosporites shaodongensis Chen 1978 1978 Chen, pl.122,12; 1982 Jiang, pl.413,4.
Verrucosisporites (Ibrahim) emend. Smith et al. 1964
Verrucosisporites firmus Loose 1982 Jiang, pl.402,6-7.
Verrucosisporites minor Jiang 1982 1982 Jiang, pl.402,8.
Verrucosisporites verrucosus (Ibrahim) Ibrahim 1982 Jiang, pl.402,1.
Verrucosisporites sp. 1982 Jiang, pl.402,1,9,10-11,12.
Vesicaspora Schemel 1951
Vesicaspora ovata (Balme et Hennelly) Hart 1982 Jiang, pl.417,15.
Vesicaspora sp. 1982 Jiang, pl.417,22.
Vitreisporites (Leschik) Jansonius 1962
Vitreisporites signatus Leschik 1982 Jiang, pl.417,18(cf.).
Vittatina (Luber) Jansonius 1962
Vittatina sp. 1982 Jiang, pl.419,2.

Zhejiang (1962 Ouyang and 1995 Hou et Song, Meishan Section, Changxing County, Longtan Formation)

Acanthotriletes adornatus Ouyang 1962 1962 Ouyang, pl.III,6,9.
Acanthotriletes microspinosus (Ibrahim) Potonié et Kremp 1995 Hou et Song, pl.XX,23.
Acanthotriletes sp. 1962 Ouyang, pl.II,11.
Alisporites grauvogelii Klaus 1995 Hou et Song, pl.XXIII,11(cf.).
Anticapipollis elongata Zhou 1995 Hou et Song, pl.XXIII,5.
Anticapipollis tornatilis (Chen) Ouyang 1995 Hou et Song, pl.XXII,21.
Apiculatisporis aculeatus (Ibrahim) Potonié et Kremp 1995 Hou et Song, pl.XX,8-9.
Apiculatisporis changxingensis Hou et Song 1995 1995 Hou et Song, pl.XX,10-11.
Apiculatisporis globosus (Leschik) Playford et Dettman 1995 Hou et Song, pl.XX,3.
Apiculatisporis perirugosus (Ouyang et Li) Ouyang 1995 Hou et Song, pl.XX,1-2.
Apiculatisporis tesotus Ouyang 1995 Hou et Song, pl.XX,4-5.
Bactrosporites ovatus Ouyang 1995 Hou et Song, pl.XXIII,10.
Baculatisporites minor Hou et Song 1995 1995 Hou et Song, pl.XX,6.
Calamospora liquida Kosanke 1995 Hou et Song, pl.XIX,7.
Calamospora microrugosa (Ibrahim) Schof, Wilson et Bentall 1962 Ouyang, pl.IX,3; 1995 Hou et Song, pl.XIX, 8(cf.).
Calamospora sp. 1995 Hou et Song, pl.XIX,9.
Calamosporites pedata Kosanke 1962 Ouyang, pl.II,3-4.
Calamosporites perrugosa (Loose) S. W. & B. 1962 Ouyang, pl.II,12(cf.).
Calamosporites platirugosus (Waltz) Ouyang 1962 1962 Ouyang, pl.II,6.
Calamosporites sp. 1962 Ouyang, pl.II,5.
Calamosporites sp. 1962 Ouyang, pl.II,7,8.
Chordasporites sp. 1995 Hou et Song, pl.XXIII,21.
Coniferales sp. 1962 Ouyang, pl.XI,14-15.
Converrucosisporites pseudocommunis Hou et Song 1995 1995 Hou et Song, pl.XXI,4.
Converrucosisporites sp. 1962 Ouyang, pl.III,1-2.
Convolutispora asiatica Ouyang et Li 1995 Hou et Song, pl.XXI,5.

Convolutispora venusta Hoffmeister, Staplin et Malloy 1995 Hou et Song, pl.XX,17.
Cordaitina sp. 1995 Hou et Song, pl.XXII,19.
Crucisaccites quadratoides (Zhou) Hou et Song 1995 Hou et Song, pl.XXIII,27.
Crustaesporites sp. 1995 Hou et Song, pl.XXII,24.
Cyclobaculisporites ovimammus (Imgr.) Bhard. 1962 Ouyang, pl.III,5.
Dictyophyllidites discretus Ouyang 1995 Hou et Song, pl.XIX,13-14.
Dictyotriletes sp. 1995 Hou et Song, pl.XXI,8.
Entylissa sp. 1962 Ouyang, pl.VIII,9-12.
Florinites antiques Schopf 1995 Hou et Song, pl.XXIII,3.
Florinites elegans Wils. & Kos. 1962 Ouyang, pl.VII,1(cf.).
Florinites sp. 1962 Ouyang, pl.XI,1.
Florinites uralensis (Lub.) Ouyang 1962 Ouyang, pl.VII,2-3.
Foveosporites nigracristatus Hou et Song 1995 Hou et Song, pl.XX,20.
Gardenasporites sp. 1995 Hou et Song, pl.XXII,22.
Gardenasporites sp. 1995 Hou et Song, pl.XXIII,1.
Granulatisporites parvus (Ibrahim) Potonié et Kremp 1995 Hou et Song, pl.XIX,27.
Granulatisporites piliformis Loose 1962 Ouyang, pl.II,10(cf.).
Gulisporites sp. 1995 Hou et Song, pl.XIX,23.
Klausipollenites staplinii Jansonius 1995 Hou et Song, pl.XXIII,7.
Knoxisporites instarrotulae (Horst) Potonié et Kremp 1962 Ouyang, pl.IV,1,3; 1995 Hou et Song, pl.XXI,27.
Laevigatosporites desmoinensis (Wils. & Coe) S. W. & B. 1962 Ouyang, pl.V,2.
Laevigatosporites linearis Ouyang 1962 Ouyang, pl.IV,13-15.
Laevigatosporites lineolatus Ouyang 1995 Hou et Song, pl.XXII,5.
Laevigatosporites longilabris Ouyang 1962 Ouyang, pl.V,3-4.
Laevigatosporites maximus (Loose) Potonié et Kremp 1962 Ouyang, pl.V,15(cf.); 1995 Hou et Song, pl.XXII,10.
Laevigatosporites medius Kosanke 1962 Ouyang, pl.V,1.
Laevigatosporites minimus (Wils. & Coe) S. W. & B. 1962 Ouyang, pl.VI,10.
Laevigatosporites sp. 1962 Ouyang, pl.V,9-10.
Laevigatosporites vulgaris (Ibrahim) Alpern et Doubinger 1995 Hou et Song, pl.XXII,7(cf.).
Latosporites sp. 1962 Ouyang, pl.V,5-8.
Leiotriletes adnatus (Kos.) Pot. & Kr. 1962 Ouyang, pl.I,2-3.
Leiotriletes asnatus (Kosanke) Potonié et Kremp 1995 Hou et Song, pl.XIX,1.
Leiotriletes gulaferus Potonié et Kremp 1995 Hou et Song, pl.XIX,2.
Leiotriletes ornatus Ischenko 1962 Ouyang, pl.I,4-6.
Leiotriletes sp. 1962 Ouyang, pl.I,1,7,8,13; 1995 Hou et Song, pl.XIX,20.
Leschikisporites stabilis Ouyang et Li 1995 Hou et Song, pl.XIX,19.
Limitisporites sp. 1995 Hou et Song, pl.XXIII,6.
Lophotriletes commissuralis (Kosanke) Potonié et Kremp 1995 Hou et Song, pl.XIX,31.
Lophotriletes microsaeetus (Loose) Potonié et Kremp 1995 Hou et Song, pl.XXI,7.
Lophotriletes paratrilobata Hou et Song 1995 Hou et Song, pls. XIX,28; XXI,6.
Lophotriletes pseudoculeatus Pot. & Kr. 1962 Ouyang, pl.III,7.
Lueckisporites prolixus (Lub.) Ouyang 1962 Ouyang, pl.VII,6-7.

Lueckisporites sp. 1962 Ouyang, pl.VII,8-9.
Lueckisporites virkkiae Klaus 1995 Hou et Song, pl.XXIII,18.
Lycospora pseudoannulata Kosanke 1962 Ouyang, pl.III,15(cf.).
Lycospora pseudoannulate Kosanke 1995 Hou et Song, pl.XXI,25.
Lycospora torquifer (Loose) Potonié et Kremp 1995 Hou et Song, pl.XXI,24(cf.).
Macrotrisporea gigantea (Ouyang) Ouyang et Lu 1995 Hou et Song, pl.XXII,13.
Macrotrisporea media (Ouyang) Chen 1995 Hou et Song, pl.XXII,14.
Microreticulatisporites sp. 1962 Ouyang, pl.III,14.
Mooreisporites sp. 1995 Hou et Song, pl.XXI,26.
Neoraistrickia sp. 1995 Hou et Song, pl.XIX,32.
Patellisporites meishanensis Ouyang 1962 1962 Ouyang, pl.III,13,16-17.
Pityosporites sp. 1962 Ouyang, pl.XI,5.
Planisporites spinulistratus Pot. & Kr. 1962 Ouyang, pl.III,8.
Platysaccus sp. 1995 Hou et Song, pls.XXII,23; XXIII,19.
Propterisipora verruculifera Ouyang 1995 Hou et Song, pl.XXI,19-20.
Protohaploxylinus divinensis (Sedova) Hart 1995 Hou et Song, pl.XXIII,15,16.
Protohaploxylinus goraiensis (Potonié et Kremp) Hart 1995 Hou et Song, pl.XXIII,14.
Protopinus asymmetricus Ouyang 1995 Hou et Song, pl.XXIII,13(cf.).
Protopinus asymmetricus Ouyang 1995 Hou et Song, pl.XXIII,2.
Punctatisporites aerarius Butterworth et Williams 1995 Hou et Song, pl.XIX,15.
Punctatisporites cathayensis 1962 1962 Ouyang, pl.II,2.
Punctatisporites elegans Ouyang 1995 Hou et Song, pl.XIX, 17.
Punctatisporites incomptus Felix et Burbridge 1995 Hou et Song, pl.XIX,22.
Punctatisporites major Ouyang 1962 1962 Ouyang, pl.VI,7.
Punctatisporites minutus Kosanke 1962 Ouyang, pl.II,9.
Punctatisporites obliquus Kosanke 1995 Hou et Song, pl.XIX,11.
Punctatisporites palmipedites Ouyang 1962 1962 Ouyang, pls.I,14-15;II,1.
Punctatisporites sp. 1962 Ouyang, pl.I,11-12.
Punctatosporites punctatus (Kosanke) Potonié et Kremp 1995 Hou et Song, pl.XXII,9.
Pustatisporites concavus Hou et Song 1995 1995 Hou et Song, pl.XXI,2.
Schopfites phalacroscis Ouyang 1995 Hou et Song, pl.XX,19.
Schopfites phalacroscis Ouyang 1995 Hou et Song, pl.XXI,11.
Schopfites sp. 1995 Hou et Song, pl.XX,16.
Schopfites sp. 1995 Hou et Song, pl.XXI,10.
Shanxispora sp. 1995 Hou et Song, pl.XXI,17.
Stellisporites sp. 1995 Hou et Song, pl.XIX,29.
Stellisporites sp. 1995 Hou et Song, pl.XXI,21.
Striatopodocarpites zhejiangensis Hou et Song 1995 1995 Hou et Song, pl.XXIII,22.
Striatosporites graifasiatus Zhou 1995 Hou et Song, pl.XXII,8.
Thymospora psedothiessenii (Kosanke) Wilson et Venkatachala 1995 Hou et Song, pl.XXII, 16(cf.).
Torisporea giganteus Ouyang 1962 1962 Ouyang, pl.V,14.
Torisporea medius Ouyang 1962 1962 Ouyang, pl.V,11.
Torisporea securis Balme 1962 Ouyang, pl.VI,9(cf.).

Tripartites aucrosus Hou et Song 1995 1995 Hou et Song, pl.XXI,22-23.
Tripartites bellus Hou et Song 1995 1995 Hou et Song, pl.XXI,18.
Tripartites exceptus Pot. & Kr. 1962 Ouyang, pl.IV,12.
Tripartites sp. 1962 Ouyang, pl.IV,4-5.
Tripartites vetustus Schemel 1995 Hou et Song, pl.XXII,1-2.
Triquitrites bransonii Wilson and Hoffmeister 1995 Hou et Song, pl.XXI,12.
Triquitrites microgranifer Ouyang 1962 1962 Ouyang, pl.IV,6-7.
Triquitrites rugulatus Ouyang 1995 Hou et Song, pl.XXI,15.
Triquitrites sinensis Ouyang 1962 1962 Ouyang, pl.IV,8.
Triquitrites sinensis Ouyang 1995 Hou et Song, pl.XXI,13.
Triquitrites tersus Hou et Song 1995 1995 Hou et Song, pl.XXI,14.
Triquitrites tribullatus (Ibr.) Pot. & Kr. 1962 Ouyang, pl.IV,9.
Tuberculatosporites medius Zhou 1995 Hou et Song, pl.XXII,11.
Tuberculatosporites acutus Ouyang 1962 1962 Ouyang, pl.VI,14-15.
Verrucosisorites microtuberosus (Loose) Simith et Butterworth 1995 Hou et Song, pl.XX,12.
Verrucosisorites morulatus (Knox) Potonié et Kremp 1995 Hou et Song, pl.XX,13.
Verrucosisorites sp. 1962 Ouyang, pl.III,3.
Verrucosisorites verrucosus Ibrahim 1995 Hou et Song, pl.XX,15(cf.)..
Vesicaspora ovidea Ouyang var. *minor* (var. nov.) 1995 Hou et Song, pl.XXII,20.
Vesicaspora sp. 1962 Ouyang, pl.XI,10-11.
Vittatina hiltonensis Chclover et Clarke 1995 Hou et Song, pl.XXIII,25.
Vittatina multicostata Zhou 1995 Hou et Song, pl.XXIII,26.
Vittatina sp. 1995 Hou et Song, pl.XXIII,24.
Yunnanospora radiate Ouyang 1995 Hou et Song, pl.XXII,17.

South Anhui (1998 Chang et Wang, Xinhua Coal Field and Hualing Coal Field, Guichi County, Longtan Formation)

Alisporites grauvogeli Kl. 1998 Chang et Wang, pl.I,26-27.
Anticapipollis sp. 1998 Chang et Wang, pl.I,34-35.
Calamospora pallida Schopp 1998 Chang et Wang, pl.I,6.
Cordaitina sp. 1998 Chang et Wang, pl.I,32-33.
Cycadopites sp. 1998 Chang et Wang, pl.I,25.
Cyclogranisporites microgranus Bharadwaj 1998 Chang et Wang, pl.I,5.
Florinites sp. 1998 Chang et Wang, pl.I,31.
Granulatisporites granulatus Ibrahim 1998 Chang et Wang, pl.I,3-4.
Laevigatosporites minimus (Wilson and Coe) Schopp, Wilson and Bentall 1998 Chang et Wang, pl.I,15.
Laevigatosporites vulgaris (Ibrahim) Alpern and Doubinger 1998 Chang et Wang, pl.I,16-17.
Leiotriletes adnatus (kosanke) Potonie and Kremp. 1998 Chang et Wang, pl.I,1.
Leiotriletes exiguns Ouyang 1998 Chang et Wang, pl.I,2.
Macrotorispora giganteus (Ouyang) Gao 1998 Chang et Wang, pl.I,24.
Macrotorispora sp. 1998 Chang et Wang, pl.I,23.
Punctatisporites longinquus Ouyang 1998 Chang et Wang, pl.I,7-8.
Punctatosporites granifer (Potoie, Kremp) Alpern and Doubinger 1998 Chang et Wang, pl.I,18.

Raistrickia striatuminis Gao 1998 Chang et Wang, pl.I,10.
Torispota Laevigata Bharadwaj 1998 Chang et Wang, pl.I,19-20.
Torispota securis (Balme) Alpern and Doubinger 1998 Chang et Wang, pl.I,21-22.
Tripartites sp. 1998 Chang et Wang, pl.I,13.
Triquitriteles incisus Turnau 1998 Chang et Wang, pl.I,12.
Triquitriteles pulvinatus Kosanke 1998 Chang et Wang, pl.I,11.
Verrucosiporites verrucosus Ibrahim 1998 Chang et Wang, pl.I,9.
Vesicaspora wilsonii (Schemel) Wilson and Venkatachala 1998 Chang et Wang, pl.I,30.
Vitreisporites pallidus (Reiss) Balme 1998 Chang et Wang, pl.I,28-29.
Waltzispota strictura Ouyang 1998 Chang et Wang, pl.I,14.

Xizang (2006 Du et al., Gongjiu Village, Angren County, Southern Xizang, Dibucuo Formation)

Leiotriteles sp. 2006 Du et al., p.170.
Cyclogranisporites sinensis (Imgrund) Bharadwaj 2006 Du et al., p.170.
Cyclogranisporites sp. 2006 Du et al., p.170.
Granulatisporites sp. 2006 Du et al., p.170.
Calamospora breviradiata Kosanke 2006 Du et al., p.170.
Lycospora microgranulata Bharadwaj 2006 Du et al., p.170.
Dictyotriteles sp. 2006 Du et al., p.170.
Punctatosporites punctatus (Kosanke) Potonie and Kremp 2006 Du et al., p.170.
Vestigisporites sp. 2006 Du et al., p.170.
Protohaploxypinus parviextensisaccus (Samoilovich) Gao 2006 Du et al., p.170.
Protohaploxypinus enignatus (Maheshwei) Jardine 2006 Du et al., p.170.
Limitisporites oblongus Gao 2006 Du et al., p.170.
Limitisporites rectus Leschik 2006 Du et al., p.170.
Cordiatina spongiosa (Luber) Samoilovich 2006 Du et al., p.170.
Sulcatisporites ovatus (Balme and Hennelly) Balme 2006 Du et al., p.170.
Labiisporites manos Gao 2006 Du et al., p.170.
Primuspollenites levicus Tiwari 2006 Du et al., p.170.
Vetreisporites signatus Leschik 2006 Du et al., p.170.

Changhsingian (3 Sections Studied)

Yunnan (1982 Ouyang, Yishankou, Fuyuan County; Qingyun County; 1986 Ouyang, Yishankou, Fuyuan County, Upper Xuanwei Formation)

Abietineaepollenites lembocorpus Ouyang 1986 1986 Ouyang, pl.XI,8,9.
Acanthotriteles ciliatus (Knox) Potonié et Kremp 1955 1986 Ouyang, pl.IV,17.
Acanthotriteles micropinosus (Ibr.) Potonié et Kremp 1955 1986 Ouyang, pl.IV,9,10.
Anticapipollis rectangularis Ouyang 1986 1986 Ouyang, pl.XII,21.
Anticapipollis tornatilis (Chen) Ouyang 1979 1986 Ouyang, pl.XII,13-16.
Apiculatasporites sp. 1986 Ouyang, pl.IV,29.
Apiculatasporites nanus Ouyang 1986 1986 Ouyang, pl.IV,15,16,18,19.
Apiculatasporites perirugosus (Ouyang et Li) Ouyang 1982 1986 Ouyang, pl.IV,20,23-26,28.
Apiculatasporites pyriformis Ouyang 1986 1986 Ouyang, pl.XIV,5-7.

Apiculatasporites setulosus (Kos.) Potonié et Kremp 1955 1986 Ouyang, pl.IV,22.
Apiculatasporites spinulistratus (Loose) Potonié et Kremp 1955 1986 Ouyang, pl.IV,21.
Apiculatasporites tesotus Ouyang 1986 1986 Ouyang, pl.IV,32.
Apiculatasporites variocorneus Sullivan 1964 1986 Ouyang, pl.VI,1,2,5,10.
Aratrisporites yunnanensis Ouyang et Li 1980 1986 Ouyang, pl.X,11,12.
Archaeodinium cingulatum Ouyang 1979 1986 Ouyang, pl.XIV,13,14,16-18.
Baculatisporites sp. 1982 Ouyang, pl.II,19.
Baculatisporites comaumensis (Cooks.) Potonié 1956 1986 Ouyang, pl.IV,3.
Baculatisporites xuanweiensis Ouyang 1986 1986 Ouyang, pl.VI,6,7.
Bactrosporites sp. 1982 Ouyang, pl.II,30.
Bactrosporites diptherus Ouyang 1986 1986 Ouyang, pl.XIII,6,11.
Bactrosporites ovatus Ouyang 1986 1986 Ouyang, pl.XII,17.
Calamospora sp. 1986 Ouyang, pl.II,6,15.
Calamospora microrugosa (Ibr.), Schopf, Wilson 1986 Ouyang, pl.II,26,27.
Calamospora pedata Kosanke 1950 1986 Ouyang, pl.II,7(cf.).
Calamospora pusilla Peppers 1964 1986 Ouyang, pl.II,12,17.
Cedripites sp. 1982 Ouyang, pl.II,29.
Cedripites lucidus Ouyang 1986 1986 Ouyang, pl.XII,23,24.
Converrucosisporites capitatus Ouyang 1986 1986 Ouyang, pl.IV,4.
Converrucosisporites confractus Ouyang 1986 1986 Ouyang, pl.IV,7,8.
Converrucosisporites mictus Ouyang 1986 1986 Ouyang, pl.IV,5.
Converrucosisporites asiatica Ouyang et Li 1980 1986 Ouyang, pls.VI,6; VIII,4.
Cordaitina radialis Ouyang et Li 1980 1986 Ouyang, pl.XI,3.
Cordaitina uralensis (Luber) Samoilovich 1953 1986 Ouyang, pl.XI,7.
Crassispora orientalis Ouyang et Li 1980 1986 Ouyang, pl.VIII,11,14-16.
Cycadopites sp. 1986 Ouyang, pl.XIII,16,17.
Cycadopites carpentieri (Delc. et Sprum.) Chaloner 1969 1986 Ouyang, pl.XIII,21,22.
Cycadopites eupunctatus Ouyang 1986 1986 Ouyang, pl.XIII,20.
Cycadopites granulatus Ouyang 1986 1986 Ouyang, pl.XIII,18.
Cyclogranisporites micaceus (Imgr.) Imgrund 1960 1986 Ouyang, pl.III,14.
Cyclogranisporites pressus (Imgr.) Potonié et Kremp 1955 1986 Ouyang, pl.III,8.
Densosporites paranulatus Ouyang 1986 1986 Ouyang, pl.VII,15,16.
Dictyophyllidites discretus Ouyang 1986 1986 Ouyang, pl.I,23,24.
Dictyophyllidites intercrassus Ouyang et Li 1980 1986 Ouyang, pl.II,4.
Dictyophyllidites mortoni (de Jersey) Playford et Dettmann 1965 1986 Ouyang, pl.I,31-34.
Dictyophyllidites sp. 1986 Ouyang, pl.II,1.
Emphanisporites canaliculatus Ouyang 1986 1986 Ouyang, pl.II,21.
Florinites antiquus Schopf 1944 1986 Ouyang, pl.XI,1.
Florinites relictus Ouyang et Li 1980 1986 Ouyang, pl.XI,2,3.
Foveosporites sp. 1986 Ouyang, pl.VI,4.
Foveosporites foratus Ouyang 1986 1986 Ouyang, pl.VII,19.
Gardenasporites sp. 1982 Ouyang, pl.II,28.
Gardenasporites delicatus Ouyang 1986 1986 Ouyang, pl.XIII,5.
Gardenasporites meniscatus Ouyang 1986 1986 Ouyang, pl.XIII,3,4.

Gardenasporites minor Ouyang 1986 1986 Ouyang, pl.XIII,2.
Gleicheniidites sp. 1986 Ouyang, pl.I,7.
Granulatisporites sp. 1986 Ouyang, pl.IV,27.
Granulatisporites adnatoides (Pot. et Kr.) Smith et Butterworth 1967 1986 Ouyang, pls.I,8; II,9,10.
Granulatisporites microgranifer Ibrahim 1933 1986 Ouyang, pl.III,5,6.
Granulatisporites mirus Ouyang 1986 1986 Ouyang, pl.III,18.
Granulatisporites piroformis Loose 1934 1986 Ouyang, pl.III,7.
Gulisporites cochlearius (Imgr. 1952) Imgrund 1960 1986 Ouyang, pl.I,26-30.
Laevigatosporites lineolatus Ouyang 1962 1986 Ouyang, pl.IX,1-3.
Laevigatosporites maximus (Loose) Potonié et Kremp 1955 1986 Ouyang, pl.IX,4,9,10.
Laevigatosporites minimus (Wils. et Coe) Schopf, Wilson et Bentall 1944 1986 Ouyang, pl.IX,5,6.
Leiotriletes sp. 1986 Ouyang, pl.I,6,22.
Leiotriletes adnatus (Kos.) Potonié et Kremp 1954 1986 Ouyang, pl.I,2.
Leiotriletes concavus (Kos.) Potonié et Kremp 1955 1986 Ouyang, pl.I,35.
Leiotriletes exiguus Ouyang et Li 1980 1986 Ouyang, pl.I,10-13.
Leiotriletes ornatus Ischenko 1956 1986 Ouyang, pl.I,25.
Leiotriletes pulvinulus Ouyang 1986 1986 Ouyang, pl.I,1,3,4.
Leiotriletes sporadicus (Imgr.) Potonié et Kremp 1955 1986 Ouyang, pl.I,5.
Leschikisporites stabilis Ouyang et Li 1980 1986 Ouyang, pl.II,22-25.
Leschikisporites tenuis (Peppers) 1986 Ouyang, pl.II,8(cf.).
Lophotriletes sp. 1986 Ouyang, pl.V,3,25.
Lophotriletes corrugatus Ouyang et Li 1980 1986 Ouyang, pl.V,1.
Lophotriletes mictus Ouyang 1986 1986 Ouyang, pl.V,5.
Lophotriletes paramictus Ouyang 1986 1986 Ouyang, pl.V,15.
Lundbladispota communis Ouyang et Li 1980 1986 Ouyang, pl.VII,30.
Lundbladispota minima Ouyang 1986 1986 Ouyang, pl.VII,17.
Lunzispores yunnanensis Ouyang 1986 1986 Ouyang, pl.IV,12.
Lycospora sp. 1986 Ouyang, pl.VII,28.
Lycospora granulate Kosanke 1950 1986 Ouyang, pl.VII,27.
Macrotorispora bidixa Ouyang 1980 1986 Ouyang, pl.IX,11.
Macrotorispora gigantean (Ouyang 1962) Ouyang et Lu 1980 1986 Ouyang, pl.IX,22.
Macrotorispora media (Ouyang 1962) Chen 1978 1986 Ouyang, pl.IX,20,21.
Mooreisporites sp. 1986 Ouyang, pl.V,23.
Multinodisporites junctus Ouyang et Li 1980 1986 Ouyang, pl.VII,24.
Multinodisporites sinuatus Ouyang 1986 1986 Ouyang, pl.VI,12,13.
Murospora scabratus Ouyang 1986 1986 Ouyang, pl.VIII,12,13.
Murospora sp. 1982 Ouyang, pl.II,18.
Neoraistrickia sp. 1986 Ouyang, pl.VI,8.
Neoraistrickia irregularis Ouyang et Li 1980 1986 Ouyang, pl.V,19-22.
Neoraistrickia rigida Ouyang 1986 1986 Ouyang, pl.V,26,27.
Neoraistrickia spanis Ouyang 1986 1986 Ouyang, pl.V,24.
Nixispora sinica Ouyang 1979 1986 Ouyang, pl.V,6-9.
Paralukisporites sp. 1986 Ouyang, pl.VII,32.

Patellisporites meishanensis Ouyang 1962 1986 Ouyang, pl.VIII,5-9.
Periplecotriletes sp. 1982 Ouyang, pl.II,22.
Periplecotriletes tenuicostatus Ouyang 1986 1986 Ouyang, pl.VI,9.
Perotrilites sp. 1986 Ouyang, pl.VII,34.
Platysaccus sp. 1986 Ouyang, pl.XII,5.
Polypodiidites sp. 1986 Ouyang, pl.X,7,16.
Polypodiidites fuyuanensis Ouyang 1986 1986 Ouyang, pl.X,3,5,6.
Polypodiidites reticuloides Ouyang 1986 1986 Ouyang, pl.X,1,2.
Propterispora sparsus Ouyang et Li 1980 1986 Ouyang, pl.VII,1,5.
Propterispora verruculifera Ouyang 1986 1986 Ouyang, pl.VII,2-4.
Protopinus asymmetricus Ouyang 1986 1986 Ouyang, pl.XII,7,9-11.
Protopinus cyclocorpus Ouyang 1986 1986 Ouyang, pl.XI,10-18.
Pteruchipollenites reticorpus Ouyang et Li 1980 1986 Ouyang, pl.XII,18-20.
Punctatisporites distalis Ouyang 1986 1986 Ouyang, pl.II,33.
Punctatisporites elegans Ouyang 1986 1986 Ouyang, pl.III,3,4,9,10.
Punctatisporites latilus Ouyang 1986 1986 Ouyang, pl.II,19,20.
Punctatisporites palmipedites Ouyang 1962 1986 Ouyang, pl.II,5,18.
Punctatisporites pistilus Ouyang 1986 1986 Ouyang, pl.III,1,2.
Punctatisporites scabellus (Imgr.) Imgrund 1960 1986 Ouyang, pl.IX,7.
Pustulatisporites paradoxus Ouyang 1986 1986 Ouyang, pl.IV,30,31.
Pustulatisporites stibarosus Ouyang 1986 1986 Ouyang, pl.II,28.
Reticulatasporites sp. 1986 Ouyang, pl.VI,3.
Schopfites phalacrosis Ouyang 1986 1986 Ouyang, pl.III,15-17,19,20.
Striatites sp. 1986 Ouyang, pl.XIII,7.
Taeniaesporites yunnanensis Ouyang 1979 1986 Ouyang, pl.IX,18,19.
Thymospora mesozoica Ouyang et Li 1980 1986 Ouyang, pl.X,13,14.
Torisporea laevigata Bhardwaj 1957 1986 Ouyang, pl.IX,12,14,15.
Torisporea securis (Balme) Alpern, Doubinger et Hörst 1965 1986 Ouyang, pl.IX,13,16,17.
Triquitrites attenuatus Ouyang 1986 1986 Ouyang, pl.VI,15,16.
Triquitrites cristatus Dybova et Jachowicz var. *minor* Ouyang 1986 1986 Ouyang, pl.VII,8-11, 13.
Triquitrites primitives Ouyang 1986 1986 Ouyang, pl.V,12.
Triquitrites rugulatus Ouyang 1986 1986 Ouyang, pl.VI,17-22.
Triquitrites sinensis Ouyang 1962 1986 Ouyang, pl.VIII,2,3.
Triquitrites sp. 1986 Ouyang, pl.VII,14.
Tuberculatosporites sp. 1986 Ouyang, pl.X,4.
Tuberculatosporites impistus Ouyang 1986 1986 Ouyang, pl.X,9.
Tuberculatosporites microsponosus Ouyang et Li 1980 1986 Ouyang, pl.X,8.
Umbilisaccites medius Ouyang 1986 1986 Ouyang, pl.XI,23.
Verrucosisporites crassoides (Chen) Ouyang 1982 1986 Ouyang, pl.IV,2.
Verrucosisporites ovimammus Imgrund 1952 1986 Ouyang, pl.IV,1.
Vesicaspora ooidea Ouyang 1986 1986 Ouyang, pl.XI,6.
Vitreisporites cryptocorpus Ouyang et Li 1980 1986 Ouyang, pl.XI,21,22.
Vitreisporites pallidus (Reiss.) Nilsson 1958 1986 Ouyang, pl.XI,19,20.
Vittatina cincinnata (Luber) Hart 1964 1986 Ouyang, pl.XIII,15.

Waltzisporea sp. 1986 Ouyang, pl.I,21.
Waltzisporea stricture Ouyang et Li 1980 1986 Ouyang, pl.I,14-19.
Waltzisporea yunnanensis Ouyang et Li 1980 1986 Ouyang, pl.II,16.
Wilsonisporites sp. 1986 Ouyang, pl.VII,29.
Wilsonisporites radiatus (Ouyang et Li) Ouyang 1982 1986 Ouyang, pl.VII,18.
Yunnanospora radiata Ouyang 1979 1986 Ouyang, pl.X,17-22.
Alisporites 1986 Ouyang, p.19.
Convolutisporea 1986 Ouyang, p.17.
Stereisporites 1986 Ouyang, p.18.
Trilobosporites 1986 Ouyang, p.17.
Tripartites 1986 Ouyang, p.18.

Zhejiang (1990 Ouyang et Utting, Meishan Section, Changxing County, Changxing Formation)
Granulatisporites adnatoides (Potonié et Kremp) Smith et Butterworth 1990 Ouyang et
 Utting, pl.I,6.

Triassic **Induan (5 Sections Studied)**

Yunnan (1980 Ouyang et Li, The 12th Hole of the 1st Well, Qingyun County, Kayitou Formation;
 1982 Ouyang and 1986 Ouyang, Yishankou, Zhong'an Town, Fuyuan County, Kayitou
 Formation;)

Abietinaepollenites lembocorpus Ouyang 1986 1986 Ouyang, pl.XI,8,9.
Acanthotriletes cf. *microspinosus* (Ibr.) Pot. et Kr. 1980 Ouyang et Li, pl.II,28.
Alisporites auritus Ouyang et Li 1980 1980 Ouyang et Li, pl.V,20,26.
Alisporites cf. *grauvogeli* Kl. 1980 Ouyang et Li, pl.V,19.
Alisporites fusiformis Ouyang et Li 1980 1980 Ouyang et Li, pl.V,27,34.
Alisporites sp. 1980 Ouyang et Li, pl.V, 6,15.
Alisporites auritus Ouyang et Li 1982 Ouyang, pl.III,21.
Alisporites fusiformis Ouyang et Li 1986 Ouyang, pl.XII,1.
Angustisulcites oblongus Ouyang et Li 1980 1980 Ouyang et Li, pls.V,31,32; VI,8; 1982 Ouyang,
 pl.III,25.
Apiculatasporites perirugosus (Ouyang et Li) Ouyang 1982 1986 Ouyang, pl.IV,20,23-26,28.
Apiculatasporites variocorneus Sullivan 1964 1986 Ouyang, pl.VI,1,2,5,10.
Apiculatisporis sp. 1980 Ouyang et Li, pl.II,19.
Aratrisporites yunnanensis Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,5-8,14; 1986 Ouyang,
 pl.X,11,12.
Araucariacites sp. 1980 Ouyang et Li, pl.V,30.
Archaeodinium cingulatum Ouyang 1979 1986 Ouyang, pl.XIV,13,14,16-18.
Calamospora breviradiata Kos. 1980 Ouyang et Li, pl.I,23,24.
Calamospora pedata Kosanke 1950 1980 Ouyang et Li, pl.I,22; 1986 Ouyang, pl.II,7(cf.).
Calamospora sp. 1980 Ouyang et Li, pl.I,27.
Callialasporites sp. 1986 Ouyang, pl.XIII,13.
Camarozonosporites radiatus Ouyang et Li 1980 1980 Ouyang et Li, pl.III,12-14.

Cedripites parvisaccus Ouyang et Li 1980 1980 Ouyang et Li, pl.V,17.
Cedripites pensilis Ouyang et Li 1980 1980 Ouyang et Li, pl.V,12,13; 1982 Ouyang, pl.III,26.
Cedripites sp. 1980 Ouyang et Li, pl.V,14.
Chordasporites brachytus Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,22.
Chordasporites impensus Ouyang et Li 1980 1980 Ouyang et Li, pls.IV,20; V,21,29.
Chordasporites orientalis Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,18,19.
Classopollis sp. 1980 Ouyang et Li, pl.V,33.
Concavisporites cf. *crassexinius* Nilsson 1980 Ouyang et Li, pl.I,20.
Concavisporites elegans Ouyang et Li 1980 1980 Ouyang et Li, pl.I,14; 1982 Ouyang, pl.III,4.
Converrucosporites dentatus Ouyang et Li 1980 1980 Ouyang et Li, pl.I,38,39.
Convolutispora asiatica Ouyang et Li 1980 1980 Ouyang et Li, pl.II,23,29.
Cordaitina radialis Ouyang et Li 1980 1980 Ouyang et Li, pls.IV,15,16; VI,5; 1986 Ouyang, pl.XI,3.
Crassispora kosanki (Pot. et Kr.) 1980 Ouyang et Li, pl.III,5-7.
Crassispora orientalis Ouyang et Li 1980 1986 Ouyang, pl.VIII,11,14-16.
Cycadopites cf. *carpentieri* (Delc. et Sprum.) Chaloner 1980 Ouyang et Li, pl.VI,7.
Cycadopites sp. 1980 Ouyang et Li, pl.V,24,25.
Cyclogranisporites cf. *pressus* (Imgr.) Pot. et Kr. 1980 Ouyang et Li, pl.I,35.
Cyclogranisporites micaceus (Imgr.) Imgrund 1960 1986 Ouyang, pl.III,14.
Cyclogranisporites pressus (Imgr.) Potonié et Kremp 1955 1986 Ouyang, pl.III,8.
Dictyophyllidites intercrassus Ouyang et Li 1980 1980 Ouyang et Li, pl.I,16,17; 1986 Ouyang, pl.II,4.
Dictyophyllidites mortoni (de Jersey) Playford et Dettmann 1980 Ouyang et Li, pl.I,12,13,18; 1982 Ouyang, pl.III,3.
Dictyophyllidites sp. 1986 Ouyang, pl.II,1.
Endosporites triassicus Ouyang et Li 1980 1980 Ouyang et Li, pl.III,29.
Eupunctisporites chinensis Ouyang et Li 1980 1980 Ouyang et Li, pl.II,32,39,40; 1982 Ouyang, pl.III,7.
Florinites relictus Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,11.
Gardenasporites firmus Ouyang et Li 1980 1980 Ouyang et Li, pl.VI,2,3,6; 1986 Ouyang, pl.XII,4,6.
Gardenasporites sp. 1982 Ouyang, pl.III,23.
Granulatisporites microgranifer Ibrahim 1933 1986 Ouyang, pl.III,5,6.
Granulatisporites sp. 1980 Ouyang et Li, pl.I,36.
Horologinella sp. 1980 Ouyang et Li, pl.VII,3.
Inaperturopollenites cf. *turbatus* Balme 1980 Ouyang et Li, pl.VI,17.
Klausipollenites aff. *decipiens* Jans. 1980 Ouyang et Li, pl.IV,23,24.
Laevigatosporites callosus Balme 1980 Ouyang et Li, pl.III,26,27; 1982 Ouyang, pl.III,15.
Laevigatosporites cf. *medius* Kos. 1980 Ouyang et Li, pl.III,36.
Laevigatosporites desmoinesensis (Wils. et Coe) S. W. et B. 1980 Ouyang et Li, pl.III,28.
Laevigatosporites maximus (Loose) Pot. et Kr. 1980 Ouyang et Li, pl.III,38.
Laevigatosporites minimus (Wils. et Coe) Schopf, Wilson et Bentall 1944 1986 Ouyang, pl.IX,5,6.
Laevigatosporites sp. 1980 Ouyang et Li, pl.III,32.
Leiotriletes adnatus (Kos.) Pot. et Kr. 1980 Ouyang et Li, pl.I,6,7.

Leiotriletes cf. adnatoides Pot. et Kr. 1980 Ouyang et Li, pl.I,15.
Leiotriletes cf. ornatus Ischenko 1980 Ouyang et Li, pl.I,8.
Leiotriletes exiguus Ouyang et Li 1980 1980 Ouyang et Li, pl.I,4,5; 1986 Ouyang, pl.I,10-13.
Leiotriletes ornatus Ischenko 1956 1986 Ouyang, pl.I,25.
Leiotriletes sporadicus (Imgr.) Potonié et Kremp 1955 1986 Ouyang, pl.I,5.
Leschikisporites stabilis Ouyang et Li 1980 1980 Ouyang et Li, pl.I,28; 1986 Ouyang, pl.II,22-25.
Limitisporites fuscus Schaarschmidt 1963 1986 Ouyang, pl.XI,24(cf.).
Lophotriletes cf. pseudaculeatus Pot. et Kr. 1980 Ouyang et Li, pl.II,5.
Lophotriletes cf. sparsus Singh 1980 Ouyang et Li, pl.II,4.
Lophotriletes corrugatus Ouyang et Li 1980 1980 Ouyang et Li, pl.II,6,7.
Lophotriletes delicatus Ouyang et Li 1980 1980 Ouyang et Li, pl.II,24.
Lophotriletes novicus Singh 1980 Ouyang et Li, pl.II,12,13.
Lophotriletes pseudaculeatus Pot. et Kr. 1980 Ouyang et Li, pl.II,2,3.
Lophotriletes sp. 1980 Ouyang et Li, pl.II,14, 20,22,27.
Lueckisporites levis Ouyang 1986 1986 Ouyang, pl.XIII,1.
Lueckisporites sp. 1982 Ouyang, pl.III,18.
Lundbladisporea communis Ouyang et Li 1980 1980 Ouyang et Li, pl.III,20-23; 1986 Ouyang, pl.VII,30.
Lundbladisporea sinica Ouyang et Li 1980 1980 Ouyang et Li, pl.III,35; 1982 Ouyang, pl.III,1.
Lundbladisporea subornata Ouyang et Li 1980 1980 Ouyang et Li, pl.III,24,25; 1982 Ouyang, pl.III,2.
Lunzisporites sp. 1980 Ouyang et Li, pl.II,11.
Lycopodiumsporites sp. 1980 Ouyang et Li, pl.V,28.
Lycospora sp. 1986 Ouyang, pl.VII,26.
Macrotorispora gigantean (Ouyang 1962) Ouyang et Lu 1980 1986 Ouyang, pl.IX,22.
Macrotorispora media (Ouyang 1962) Chen 1978 1986 Ouyang, pl.IX,20,21.
Multinodisporites junctus Ouyang et Li 1980 1980 Ouyang et Li, pl.III,15,16; 1986 Ouyang, pl.VII,24.
Multinodisporites sp. 1986 Ouyang, pl.VII,31.
Neoraistrickia irregularis Ouyang et Li 1980 1980 Ouyang et Li, pl.II,8,9; 1986 Ouyang, pl.V,19-22.
Neoraistrickia rigida Ouyang 1986 1986 Ouyang, pl.V,26,27.
Neoraistrickia sp. 1980 Ouyang et Li, pl.II,10.
Neoraistrickia trilobata Ouyang et Li 1980 1980 Ouyang et Li, pl.II,25,26; 1982 Ouyang, pl.III,13.
Nixispora sinica Ouyang 1979 1986 Ouyang, pl.V,6-9.
Obtusisporis juncta (K.-M.) Pocock 1980 Ouyang et Li, pl.I,19.
Osmundacidites cf. senectus Balme 1980 Ouyang et Li, pl.I,37.
Parcisporites rarus Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,17.
Patellisporites meishanensis Ouyang 1962 1980 Ouyang et Li, pl.III,1,2; 1986 Ouyang, pl.VIII,5-9.
Patellisporites robustus Ouyang et Li 1980 1980 Ouyang et Li, pl.III,3,4.
Periplecotriletes glomeratus Ouyang et Li 1980 1980 Ouyang et Li, pl.II,1a,b.
Piceapollenites cathayensis Ouyang et Li 1980 1980 Ouyang et Li, pl.V,11.

Piceapollenites sp. 1980 Ouyang et Li, pl.V,10.
Pityosporites cf. *tongshani* Imgr. 1980 Ouyang et Li, pl.IV,35,36.
Pityosporites sp. 1980 Ouyang et Li, pl.V,22.
Planisporites perirugosus Ouyang et Li 1980 1980 Ouyang et Li, pl.II,15-17.
Planisporites sp. 1980 Ouyang et Li, pl.II,18,21.
Platysaccus cf. *papilionis* Pot. et Kl. 1980 Ouyang et Li, pl.IV,34; V,5.
Platysaccus conexus Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,32,37.
Platysaccus papilionis Potonié et Klaus 1982 Ouyang, pl.III,19(cf.).
Platysaccus sp. 1986 Ouyang, pl.XII,5.
Platysaccus undulatus Ouyang et Li 1980 1980 Ouyang et Li, pl.V,1,2; 1982 Ouyang, pl.III,27.
Polycingulatisporites rhytimoides Ouyang et Li 1980 1980 Ouyang et Li, pl.III,17-19; 1986 Ouyang, pl.VII,21-23.
Polyodiidites perplexus Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,1a,b.
Polyodiidites reticuloides Ouyang 1986 1986 Ouyang, pl.X,1,2.
Polyodiidites sp. 1980 Ouyang et Li, pl.IV,12; 1986 Ouyang, pl.X,7,16.
Propterisipora sparsus Ouyang et Li 1980 1980 Ouyang et Li, pl.III,8-11; 1986 Ouyang, pl.VII,1,5.
Protohaploxylinus sp. 1986 Ouyang, pl.XIII,8.
Protohaploxylinus indistinctus Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,29,31.
Protopinus cyclocarpus Ouyang 1986 1986 Ouyang, pl.XI,10-18.
Protopinus fuyuanensis Ouyang et Li 1980 1980 Ouyang et Li, pl. V,16; VI,1,4; 1986 Ouyang, pl.VII,2.
Pteruchipollenites cf. *reticarpus* Ouyang et Li 1980 1980 Ouyang et Li, pl.V,8.
Pteruchipollenites reticarpus Ouyang et Li 1980 1980 Ouyang et Li, pl.V,3,4,7,9; 1986 Ouyang, pl.XII,18-20.
Punctatisporites aff. *palmipedites* Ouyang 1980 Ouyang et Li, pl.I,25.
Punctatisporites cf. *aerarius* Butt. Et Will. 1980 Ouyang et Li, pl.I,29.
Punctatisporites contractus Ouyang et Li 1980 1980 Ouyang et Li, pl.I,26,31,32; 1982 Ouyang, pl.III,12.
Punctatisporites longinquus Ouyang et Li 1980 1980 Ouyang et Li, pl.I,33.
Punctatisporites palmipedites Ouyang 1962 1986 Ouyang, pl.II,5,18.
Punctatisporites scabellus (Imgr.) Imgrund 1960 1986 Ouyang, pl.IX,7.
Punctatisporites sp. 1980 Ouyang et Li, pl.I,30.
Punctatosporites minutus Ibr. 1980 Ouyang et Li, pl.III,30,31.
Retusotriletes regularis Ouyang et Li 1980 1980 Ouyang et Li, pl.I,34; 1982 Ouyang, pl.III,6.
Stellisporites inflatus Alpern 1958 1980 Ouyang et Li, pl.II,30,31; 1986 Ouyang, pl.II,11.
Stenozonotriletes sp. 1986 Ouyang, pl.VII,25.
Stereisporites minimus Ouyang et Li 1980 1980 Ouyang et Li, pl.I,1-3.
Striatopodocarpites compressus Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,30; 1982 Ouyang, pl.III,22.
Striatopodocarpites crassus Ouyang et Li 1980 1980 Ouyang et Li, pl.IV,33; 1982 Ouyang, pl.III,28.
Striatopodocarpites samoilvichii (Jansonius 1962) 1986 Ouyang, pl.XIII,9,10.
Sulcatisporites kayitouensis Ouyang 1986 1986 Ouyang, pl.XII,8.

Taeniaesporites cf. *novimundi* Jans 1980 Ouyang et Li, pl.IV,21.
Thymospora mesozoica Ouyang et Li 1980 Ouyang et Li, pl.III,33,34; 1986 Ouyang, pl.X,13,14.
Torispora cf. *verrucosa* Alpern 1980 Ouyang et Li, pl.IV,10.
Torispora giganteus Ouyang 1980 Ouyang et Li, pl.IV,4.
Torispora laevigata Bhardwaj 1957 1986 Ouyang, pl.IX,12,14,15.
Torispora securis (Balme) Alpern, Doubinger et Hörst 1965 1980 Ouyang et Li, pl.IV,3; 1986 Ouyang, pl.IX,13,16,17.
Torispora sp. 1980 Ouyang et Li, pl.IV,2.
Triplanosporites sp. 1980 Ouyang et Li, pl.I,21.
Triquitrites cf. *crystaliformis* Jach. 1980 Ouyang et Li, pl.II,35,36.
Triquitrites cf. *sinensis* Ouyang 1980 Ouyang et Li, pl.II,33.
Triquitrites conspersus Ouyang et Li 1980 Ouyang et Li, pl.II,34; 1982 Ouyang, pl.III,8.
Triquitrites cristatus Dybova et Jachowicz var. *minor* Ouyang 1986 Ouyang, pl.VII,8-11, 13.
Triquitrites proratus Balme 1980 Ouyang et Li, pl.II,38; 1982 Ouyang, pl.III,9.
Triquitrites sagmarius Ouyang et Li 1980 Ouyang et Li, pl.II,37.
Tuberculatosporites iniquus Ouyang et Li 1980 Ouyang et Li, pl.III,37.
Tuberculatosporites microspinosus Ouyang et Li 1980 Ouyang et Li, pl.IV,9,13; 1986 Ouyang, pl.X,8.
Verrucosporites sp. 1980 Ouyang et Li, pl.I,41.
Verrutrilites spongiosus Ouyang et Li 1980 Ouyang et Li, pl.VI,9-12; 1982 Ouyang, pl.III,14.
Vitreisporites cryptocarpus Ouyang et Li 1980 Ouyang et Li, pl.IV,25,26; 1986 Ouyang, pl.XI,21,22.
Vitreisporites pallidus (Reiss.) Nilsson 1958 1986 Ouyang, pl.XI,19,20.
Waltzisporea sp. 1986 Ouyang, pl.I,21.
Waltzisporea strictura Ouyang et Li 1980 Ouyang et Li, pl.I,9,11; 1986 Ouyang, pl.I,14-19.
Waltzisporea yunnanensis Ouyang et Li 1980 Ouyang et Li, pl.I,10; 1986 Ouyang, pl.II,16.

South-Jiangsu (1991 Huang, Xujia Hill Section, Eastern Nanjing City; The 4th Layer of Qinglong Formation)

Calamospora? sp. 1991 Huang, p.477.pl.I,13,14.
Cycadopites follicularis Wilson et Webster 1991 Huang, p.477.pl.I,27,28.
Ellipsovelatisporites plicatus Klaus 1991 Huang, p.478.pl.II,3.
Pinuspollenites latilus Ouyang et Zhang 1991 Huang, p.478.pl.II,17.
Pityosporites sp. 1991 Huang, p.478.pl.II,10,11.
Protopicea sp. 1991 Huang, p.478.pl.II,9,13.
Punctatisporites sp.2 1991 Huang, p.477.pl.I,8.
Verrucosphaera sp. 1991 Huang, p.479.pl.IV,28-30.

Zhejiang (1990 Ouyang et Utting, Meishan Section, Changxing County, Lower Qinglong Formation; 2004 Zhang et al., Meishan D Section, Changxing County, Yinkeng Formation)

Abiespollenites sp. 1990 Ouyang et Utting, pl.II,11,13.
Alisporites auritus Ouyang et Li 1980 Ouyang et Utting, pl.IV,7.

Alisporites sp. 1990 Ouyang et Utting, pl.IV,9,10; 2004 Zhang et al., pl.I,15.
Alisporites sp. cf. *A. grauvogelii* Klaus 1964 1990 Ouyang et Utting, pl.IV,8,20.
Alisporites sp. cf. *A. nuthallensis* Clark 1965 1990 Ouyang et Utting, pl.IV,2,3,6,18,19.
Alisporites sp. cf. *A. opii* Daugherty 1941 1990 Ouyang et Utting, pl.IV,11.
Alisporites toralis 2004 Zhang et al., pl.I,17.
Apiculatasporites perirugosus (Ouyang et Li) Ouyang 1982 1990 Ouyang et Utting, pl.I,15,16.
Apiculatisporis sp. cf. *A. parvispinosus* (Leschnik) Qu 1980 1990 Ouyang et Utting, pl.I,24.
Apiculatisporites bulliensis 2004 Zhang et al., pl.I,8.
Aratrisporites sp. cf. *A. yunnanensis* Ouyang et Li 1980 1990 Ouyang et Utting, pl.II,5,6.
Calamospora sp. cf. *C. impexa* Playford 1965 1990 Ouyang et Utting, pl.I,9.
Camptotriletes sp. cf. *C. warchianus* Balme 1990 Ouyang et Utting, pl.I,21.
Cedripites parvisaccus Ouyang et Li 1980 1990 Ouyang et Utting, pl.III,2.
Cedripites sp. 1990 Ouyang et Utting, pls.III,1; III,5.
Cedripites sp. cf. *C. pensilis* Ouyang et Li 1980 1990 Ouyang et Utting, pl.III,18.
Chordasporites sp. cf. *C. brachytus* Ouyang et Li 1980 1990 Ouyang et Utting, pl.IV,16.
Converrucosiporites sp. 1990 Ouyang et Utting, pl.I,11,13.
Convolutispora sp. 1990 Ouyang et Utting, pl.I,19,20.
Cycadopites complanatus 2004 Zhang et al., pl.I,9.
Cycadopites nitidus 2004 Zhang et al., pl.I,25, 26.
Cycadopites sp. 2004 Zhang et al., pl.I,24.
Cyclogranisporites sp. 2004 Zhang et al., pl.I,6.
Cyclogranisporites sp. cf. *C. micaceus* (Imgrund) Imgrund 1960 1990 Ouyang et Utting, pl.I,10.
Densosporites anulatus (Loose) Potonié et Kremp 1955 1990 Ouyang et Utting, pl.II,2.
Ephedripites sp. 1990 Ouyang et Utting, pl.VII,13.
Ephedripites steevesii (Jansonius) de Jersey and Hamilton 1967 1990 Ouyang et Utting, pl.VII,3,4,8,11,12.
Equisetosporites chacheutensis 2004 Zhang et al., pl.I,13,14.
Eucommiidites sp. 1990 Ouyang et Utting, pl.VII,7.
Gardenasporites sp. 1990 Ouyang et Utting, pl.V,5,6,8,9.
Granulatisporites sp. cf. *G. granulatus* Ibrahim 1933 1990 Ouyang et Utting, pl.I,7.
Hamiapollenites sp. cf. *H. tractiferinus* (Samoilovich) Jansonius emend. Hart 1965 1990 Ouyang et Utting, pl.VI,12.
Inaperturopollenites nebulosus Balme 1970 1990 Ouyang et Utting, pl.II,8.
Klausipollenites decipiens Jansonius 1962 1990 Ouyang et Utting, pl.II,18.
Klausipollenites schaubergeri (Potonié et Kremp) Jansonius 1962 1990 Ouyang et Utting, pl.II,16,17.
Klausipollenites sp. 1990 Ouyang et Utting, pl.III,11.
Klausipollenites sp. cf. *K. vestitus* Jansonius 1962 1990 Ouyang et Utting, pl.II,14,15.
Latosporites sp. 1990 Ouyang et Utting, pl.II,7.
Leiotriletes adnatus (Kosanke) Potonié et Kremp 1990 Ouyang et Utting, pl.I,1.
Leiotriletes concavus 2004 Zhang et al., pl.I,2.
Leiotriletes directus 2004 Zhang et al., pl.I,4.
Leiotriletes exiguus Ouyang et Li 1980 1990 Ouyang et Utting, pl.I,2; 2004 Zhang et al., pl.I,7.
Leiotriletes sp. 2004 Zhang et al., pl.I,3.

Leiotriletes sp. cf. *L. ornatus* Ischenko 1956 1990 Ouyang et Utting, pl.I,3.
Limitisporites sp. cf. *L. fuscus* Schaarschmidt 1963 1990 Ouyang et Utting, pl.IV,1,4.
Limitisporites tectus (Leschik) Morgan and Wornardt 1968 1990 Ouyang et Utting, pl.IV,12-14,17.
Lueckisporites tattoensis Jansonius 1962 1990 Ouyang et Utting, pl.V,11,12.
Lueckisporites triassicus 2004 Zhang et al., pl.I,22.
Lueckisporites virkkiae Potonié et Kremp 1990 Ouyang et Utting, pl.V,1-4; 2004 Zhang et al., pl.I,16.
Lunatisporites orientalis Ouyang et Utting 1990 1990 Ouyang et Utting, pl.V,14-17.
Lunatisporites sp. cf. *L. acutus* (Leschik) Scheuring 1970 1990 Ouyang et Utting, pl.V,10.
Lunatisporites sp. cf. *L. labdacus* (Klaus) Visscher 1971 1990 Ouyang et Utting, pl.V,13
Lundbladispora sp. cf. *L. communis* Ouyang et Li 1980 1990 Ouyang et Utting, pl.II,3.
Lundbladispora sp. cf. *L. nejbergii* Schulz. 1964 1990 Ouyang et Utting, pl.II,4,9.
Lunzisporites sp. 2004 Zhang et al., pl.I,5.
Osmundacidites fissus 2004 Zhang et al., pl.I,10.
Parvisaccites sp. 1990 Ouyang et Utting, pl.II,12.
Perotriletes sp. cf. *P. minor* (Madler) Antonescu and Taugourdeau 1973 1990 Ouyang et Utting, pl.I,22,23.
Piceapollenites sp. 1990 Ouyang et Utting, pl.II,19.
Piceites notialis 2004 Zhang et al., pl.I,20.
Pinuspollenites sp. 2004 Zhang et al., pl.I,19.
Pinuspollenites sp. cf. *P. normalis* Qu and Wang 1986 1990 Ouyang et Utting, pl.IV,15.
Pityosporites sp. cf. *P. nigracristatus* Hennelly 1958 1990 Ouyang et Utting, pl.III,3.
Pityosporites zapfei Potonié et Kremp 1990 Ouyang et Utting, pl.III,4.
Platysaccus conexus Ouyang et Li 1980 1990 Ouyang et Utting, pl.III,12.
Platysaccus insignis (Varyukhina) Ouyang et Utting 1990 1990 Ouyang et Utting, pl.III,16,17.
Platysaccus papilionis Potonié et Kremp 1954 1990 Ouyang et Utting, pl.III,9,10.
Platysaccus sp. 1990 Ouyang et Utting, pl.IV,5.
Platysaccus sp. cf. *P. canadensis* (Pocock) Ouyang et Utting 1990 1990 Ouyang et Utting, pl.III,15.
Protohaploxylinus sewardii (Birkki) Hart 1965 1990 Ouyang et Utting, pl.VI,5.
Protohaploxylinus sp. 1990 Ouyang et Utting, pl.VI,114.
Protohaploxylinus sp. cf. *P. bharadwajii* Foster 1979 1990 Ouyang et Utting, pl.VI,2,6,9.
Protohaploxylinus sp. cf. *P. dvinensis* (Sedova) Hart 1965 1990 Ouyang et Utting, pl.VI,1.
Protohaploxylinus sp. cf. *P. jacobii* (Jansonius) Hart 1965 1990 Ouyang et Utting, pl.VI,3,4.
Protopinus cyclocarpus Ouyang 1986 1990 Ouyang et Utting, pl.II,10.
Pteruchipollenites reticarpus Ouyang and Li 1980 1990 Ouyang et Utting, pl.III,7,8.
Pteruchipollenites sp. cf. *P. reticarpus* Ouyang et Li 1980 1990 Ouyang et Utting, pl.III,13.
Punctatisporites minutus Kosanke 1950 1990 Ouyang et Utting, pl.I,5; 2004 Zhang et al., pl.I,11.
Pustulatisporites paradoxus Ouyang 1986 1990 Ouyang et Utting, pl.I,12.
Retusotriletes mesozoicus Klaus 1960 1990 Ouyang et Utting, pl.I,8.
Rubinella sp. 1990 Ouyang et Utting, pl.I,14.
Stereisporites minimus Ouyang et Li 1980 1990 Ouyang et Utting, pl.I,4.
Striatoabeites sedovai Polukhina 1960 1990 Ouyang et Utting, pl.VI,7.

Striatoabieites sp. cf. *S. balmei* Klaus 1964 1990 Ouyang et Utting, pl.VI,10,11.
Sulcatisporites sp. cf. *S. ovatus* (Balme and Hennelly) Bharadwaj 1962 1990 Ouyang et Utting, pl.III,14.
Taeniaesporites krausselis 2004 Zhang et al., pl.I,21.
Taeniaesporites pellucidus 2004 Zhang et al., pl.I,18.
Triquitrites sp. 1990 Ouyang et Utting, pl.I,25.
Tympanicysta stoschiana Balme 1970 1990 Ouyang et Utting, pl.VIII,2,9,10.
Verrucosisporites sp. 1990 Ouyang et Utting, pl.I,18.
Vittatina sp. 1990 Ouyang et Utting, pl.VI,15,16; 2004 Zhang et al., pl.I,12.
Vittatina sp. cf. *V. costabilis* Wilson 1962 1990 Ouyang et Utting, pl.VII,1,2.
Vittatina sp. cf. *V. minima* Jansonius 1962 1990 Ouyang et Utting, pl.VII,9,10.
Vittatina striata Lubber forma *angusticostata* Sauer 1960 1990 Ouyang et Utting, pl.VII,5.
Voltziaceasporites sp. cf. *V. heteromorpha* Klaus 1954 1990 Ouyang et Utting, pl.III,6.
Weylandites sp. 1990 Ouyang et Utting, pl.VII,6.

Olenekian (4 Sections Studied)

South Jiangsu (1991 Huang, Xujia Hill Section, Eastern Nanjing City; Upper Qinglong Formation)

Abiespollenites cf. *sylvestritypus* (Samoilovich) Hart 1991 Huang, p.478.pl.II,14.
Alisporites cf. *nuthallensis* Clark 1991 Huang, p.477.pl.I,34.
Alisporites parvus de Jersey 1991 Huang, p.478.pl.II,5,6.
Alisporites sp. 1991 Huang, p.478.pl.II,27.
Aratrisporites sp. 1991 Huang, p.477.pl.I,17-19.
Balsisphaeridium sp. 1991 Huang, p.478.pl.III,33.
Balsisphaeridium sp. 1991 Huang, p.478.pl.III,4,5.
Chasmatosporites sp. 1991 Huang, p.477.pl.I,30-32.
Chasmatosporites triquetus Qian et al. 1991 Huang, p.477.pl.I,33.
Chordasporites sp. 1991 Huang, p.478.pl.I,42.
Concavisporites sp. 1991 Huang, p.477.pl.I,12.
Cordaitina sp. 1991 Huang, p.478.pl.II,26.
Cycadopites follicularis Wilson et Webster 1991 Huang, p.477.pl.I,27,28.
Cycadopites minimus (Cookson) Pocock 1991 Huang, p.477.pl.I,25,26.
Cycadopites sp. 1991 Huang, p.477.pl.I,24.
Cyclogranisporites congersus Leschik 1991 Huang, p.477.pl.I,9,10.
Cyclogranisporites sp.1 1991 Huang, p.477.pl.I,3.
Cyclogranisporites sp.2 1991 Huang, p.477.pl.I,11.
Docsyofusa sp. 1991 Huang, p.479.pl.IV,17.
Endosporites anmiaensis Ouyang et Zhang 1991 Huang, p.477.pl.I,16.
Ephedripites sp. 1991 Huang, p.477.pl.I,22,23.
Jugasporites nubilus Leschick 1991 Huang, p.478.pl.II,8,12.
Leiotriletes sp.1 1991 Huang, p.477.pl.I,1.
Leiotriletes sp.2 1991 Huang, p.477.pl.I,4,5.
Limitisporites sp. 1991 Huang, p.478.pl.II,18,24.

Lophosphaezidium cf. *magnum* Pothe de Baldis 1991 Huang, p.478.pl.III,38.
Lueckisporites tattoeensis Jansonius 1991 Huang, p.477.pl.I,36.
Marsupipollenites? sp. 1991 Huang, p.477.pl.I,20,21.
Micrhyssridium jiangsuense Huang 1991 Huang, p.478.pl.III,13,14.
Micrhyssridium sp. 1991 Huang, p.478.pl.III,9,10,15.
Micrhyssridium steliotum Deflander 1991 Huang, p.478.pl.III,12.
Monosulcites sp. 1991 Huang, p.477.pl.I,29.
Multinodisporites sp. 1991 Huang, p.477.pl.I,7.
Pinuspollenites sp. 1991 Huang, p.478.pl.II,15.
Pityosporites sp. 1991 Huang, p.478.pl.II,10,11.
Podocarpidites sp. 1991 Huang, p.478.pl.II,20,,22,23,25.
Protohaploxylinus sp. 1991 Huang, p.478.pl.I,37.
Protopicea sp. 1991 Huang, p.478.pl.II,9,13.
Pterospermella sp. 1991 Huang, p.479.pl.IV,22.
Pteruchipollenites cf. *reticarpus* Ouyang et Li 1991 Huang, p.478.pl.II,7,21.
Punctatisporites minutus Kosonke 1991 Huang, p.477.pl.I,2.
Punctatisporites pissilus Ouyang et Zhang 1991 Huang, p.477.pl.I,15.
Punctatisporites sp.1 1991 Huang, p.477.pl.I,6.
Striatoabieites cf. *sedovai* Polukhina 1991 Huang, p.477.pl.I,35.
Striatopodocarpites sp. 1991 Huang, p.478.pl.II,4.
Taeniaesporites cf. *transversundatus* Jansonius 1991 Huang, p.478.pl.I,39.
Taeniaesporites fortis Zhang 1991 Huang, p.478.pl.I,40.
Taeniaesporites sp. 1991 Huang, p.478.pl.I,38.
Verrucosphaera sp. 1991 Huang, p.479.pl.IV,28-30.
Vitreisporites sp. 1991 Huang, p.478.pl.II,1,2,16..

Hainan (1992 Zhang, Wenshan Village, Jiuqu River, Qionghai County; Lingwen Village, Hanlin Moutain, Ding'an County; Lingwen Formation)

Alisporites Daugherty 1941
Alisporites grauvogeli Klaus 1992 Zhang, pl.10,7.
Alisporites hainanensis Zhang 1992 Zhang, pl.10,2-4.
Alisporites sulcatus (Kar. Kieser & Jain) Zhang 1992 Zhang, pl.11,5.
Alisporites xinhuaensis Zhang 1992 Zhang, pl.10,5-6.
Chordasporites Klaus 1960
Chordasporites minutus Kar, Kieser & Jain. 1992 Zhang, pl.12,8-9.
Colpectopollis (Pflug) Qu & Wang 1986
Colpectopollis jianlingensis Zhang 1992 Zhang, pl.12,4-5.
Cuneatisporites Leschik 1955
Cuneatisporites lingwenensis Zhang 1992 Zhang, pl.12,3.
Falcisporites (Leschik) Klaus 1963
Falcisporites zapfei (Potonie & Klaus) Leschik 1992 Zhang, pl.10,8.
Fuldaesporites Leschik 1956
Fuldaesporites jiuqujiangensis Zhang 1992 Zhang, pl.14,8.
Illinites (Kosanke) Potonie & Kremp 1954

Illinites dinganensis Zhang 1992 1992 Zhang, pl.13,9.
Illinites parvus Klaus 1992 Zhang, pl.13,7.
Invilutisporonites Clarke 1965
Invilutisporonites cathayensis Zhang 1992 1992 Zhang, pl.14,17-18.
Ischyosporites Balme 1957
Ischyosporites qionghaiensis Zhang 1992 1992 Zhang, pl.9, 6-7.
Jugasporites Leschik 1956
Jugasporites qiongyaensis Zhang 1992 1992 Zhang, pl.12,16-20.
Jugasporites schaubergeroides Klaus 1992 Zhang, pl.12,14-15.
Klausipollenites Jasonius 1962
Klausipollenites hanlinensis Zhang 1992 1992 Zhang, pl.11,6-8.
Klausipollenites schaubergeri (Potonie & Klaus) Jansonius 1992 Zhang, pl.10,22.
Limitisporites (Leschik) Potonie 1955
Limitisporites parvus Klaus. 1992 Zhang, pl.12,10,24.
Lunatisporites Leschik 1955
Lunatisporites noviaulensis (Leschik) de Jersey 1992 Zhang, pl.13,26-27.
Microfoveolatispora Bharadwaj 1962
Microfoveolatispora hainanensis Zhang 1992 1992 Zhang, pl.9,4-5.
Platysaccus (Naumova) Potonie & Klaus 1954
Platysaccus hyalinus (Mädler) Zhang 1992 1992 Zhang, pl.11,21.
Protohaploxypinus Samoilovich 1953
Protohaploxypinus chaloneri Clarke 1992 Zhang, pl.14,13.
Protohaploxypinus samoilovichii (Jansonius) Hart 1992 Zhang, pl.14,7.
Protohaploxypinus singulichordus Zhang 1992 1992 Zhang, pl.14,2.
Striatoabieites (Sedova) Hart 1964
Striatoabieites richteri (Klaus) Hart 1992 Zhang, pl.14,4.
Triadispora Klaus 1964
Triadispora breviculus Zhang 1992 1992 Zhang, pl.13,22-23.
Triadispora crassa Klaus 1992 Zhang, pl.13,14-15.
Triadispora parvus Zhang 1992 1992 Zhang, pl.13,10-11.
Triadispora xinhuaensis Zhang 1992 1992 Zhang, pl.13,18-19.
Triadispora vilis Scheuring 1992 Zhang, pl.13,13.
Vesicaspora (Schemel) Wilson & Venkatachala 1963
Vesicaspora talingensis Zhang 1992 1992 Zhang, pl.9,15-16.
Vesicaspora wenshanensis Zhang 1992 1992 Zhang, pl.9,11-13.
Vitreisporites (Leschik) Jansonius 1962
Vitreisporites latus (Mädler) Zhang 1992 1992 Zhang, pl.11,19.
Voltziaceasporites Klaus 1964
Voltziaceasporites heteromorpha Klaus 1992 Zhang, pl.10,26.

Anisian (8 Sections Studied)

Sichuan (1995 Zhang, Dawoshang, Fengjie County, The 2nd Layer of Badong Formation)
Alisporites parvus de Jersey 1995 Zhang, pl.XI,20-21.

Alisporites robustus Nilsson 1995 Zhang, pl.XI,22.
Apiculatisporis fengjieensis Zhang 1995 1995 Zhang, pl.X,8.
Calamospora nathorsti (Halle) Klaus 1995 Zhang, pl.X,5.
Cycadopites nitidus (Balme) Pocock 1995 Zhang, pl.XII,3.
Lueckisporites hsui Bai 1995 Zhang, pl.XII,4.
Lueckisporites sichuanensis Zhang 1995 1995 Zhang, pl.XII,5.
Lundbladispota microreticulatus Qu 1995 Zhang, pl.XI,12-13.
Lundbladispota playfordi Balme 1995 Zhang, pl.XI,5.
Perotriletes dawotangensis Zhang 1995 1995 Zhang, pl.X,7.
Platysaccus conexus Ouyang & Li 1995 Zhang, pl.XI,23.
Platysaccus papilionis Potonie & Klaus 1995 Zhang, pl.XII,1.
Taeniaesporites sp. 1995 Zhang, pl.XII,13.
Triadispora breviculus Zhang 1995 Zhang, pl.XII,8.
Vitreisporites pallidus (Reiss.) Nilsson 1995 Zhang, pl.XII,2.
Voltziaceasporites heteroliforpha Klaus 1995 Zhang, pl.XI,24.

Hunan (1987 Qu, Hongjiaguan, Sangzhi County, Lower Badong Formation; 1995 Zhang, Hongjiaguan and Furong Bridge, Sangzhi County; The 2nd Layer of Badong Formation)

Accinctisporites excentricus (Leschik) Jain 1995 Zhang, pl.XII,12.
Alatisporites furongqiaoensis Zhang 1995 1995 Zhang, pl.XII,6.
Alisporites cymbatus Venkatachala et al. 1987 Qu, pl.I,14.
Alisporites landianus Balme 1987 Qu, pl.I,18.
Alisporites parvus de Jersey 1987 Qu, pl.I,21; 1995 Zhang, pl.XV,10.
Alisporites progredicus Klaus 1987 Qu, pl.I,16.
Apiculatisporis subspinosus (Artuz) Qu & Zhang 1995 Zhang, pl.X,12.
Aratrisporites cf. *granulatus* (Klaus) Playford et Dettmann 1987 Qu, pl.I,7.
Aratrisporites fischeri (Klaus) Playford & Dettmann 1995 Zhang, pl.XI,3.
Aratrisporites flexibilis Klaus 1995 Zhang, pl.XI,4.
Aratrisporites minicus Qu 1987 Qu, pl.I,8.
Aratrisporites scablatus Klaus 1995 Zhang, pl.XI,1.
Aratrisporites yunnanensis Ouyang & Li 1995 Zhang, pl.XI,2.
Calamospora impexa Playford 1995 Zhang, pl.X,6.
Calamospora landiana Balme 1995 Zhang, pl.X,4.
Convolutispora microrugulata Schulz 1987 Qu, pl.I,10.
Convolutispora pseudoreticulatus Qu 1987 Qu, pl.I,5.
Convolutispora sangzhiensis Qu 1987 1987 Qu, pl.I,3-4.
Corollisporites australis Qu 1987 1987 Qu, pl.I,6.
Cyclogranisporites aureus (Loose) Potonie & Kremp 1995 Zhang, pl.X,3.
Falcisporites stabilis Balme 1995 Zhang, pl.XI,17.
Monosulcites sp. 1987 Qu, pl.I,17.
Planisporites parvus Lakhanpal 1987 Qu, pl.I,2.
Platysaccus triassicus Mädler 1995 Zhang, pl.XI,19.
Podocarpidites transverses Qu 1987 Qu, pl.I,22.
Punctatisporites contractus Ouyang & Li 1995 Zhang, pl.X,1.

Punctatisporites leighensis Playford & Dettmann 1995 Zhang, pl.X,2.
Taeniaesporites noviaulensis Leschik 1995 Zhang, pl.XII,9.
Taeniaesporites novimundi Jansonius 1995 Zhang, pl.XII,11.
Taeniaesporites pellucidus (Goubin) Balme 1995 Zhang, pl.XII,10.
Taeniaesporites sp. 1987 Lu et Wang, pl.32,9; 1987 Qu, pl.I,20.
Triadispora epigone Klaus 1987 Qu, pl.I,9.
Triadispora muelleri (Reinhardt et Schmitz) Visscher 1987 Qu, pl.I,15.
Voltziaceasporites heteromorpha Klaus 1987 Qu, pl.I,19.
Weiyuanpollenites fasciarius Chang 1987 Qu, pl.I,13.

Hubei (1987 Qu et Zhang, Caojia River, Yuan'an County; Bianzhuang River, Zigui County, Lujiahe Formation; 1995 Zhang, Shizibao, Zigui County, The 2nd Layer of Badong Formation; 1982 Zhang, Lushui River and Puqi Section near to the Railway Station, Puqi County, Lower Puqi Formation)

Accinctisporites 1982 Zhang, p.125.
Alisporites minutus Rouse 1987 Qu et Zhang, pl.39,3.
Alisporites parvus de Jersey 1982 Zhang, pl.II,10.
Alisporites robustus Nilsson 1987 Qu et Zhang, pl.39,1.
Alisporites sp. 1987 Qu et Zhang, pl.30,12.
Annulisporea microannulata de Jersey 1987 Qu et Zhang, pl.38,3; 41,7.
Annulisporea puncta (Klaus) Zhang 1982 Zhang, pl.I,21,22.
Aoietineaepollenites 1982 Zhang, p.125.
Apiculatisporis clematisi de Jersey 1987 Qu et Zhang, pl.38,26.
Apiculatisporis sp. 1987 Qu et Zhang, pl.38,10.
Apiculatisporis spiniger (Leschik) Qu 1987 Qu et Zhang, pls.38,4;40,40.
Apiculatisporis subspinus (Artuz) Qu & Zhang 1987 1987 Qu et Zhang, pl.38,7.
Aratrisporites fischeri (Klaus) Playford & Dettmann 1987 Qu et Zhang, pls.38,12,24;42,4.
Aratrisporites flexibilis Playford & Dettmann 1987 Qu et Zhang, pl.38,22.
Aratrisporites granulatus (Klaus) Playford et Dettmann 1982 Zhang, pl.I,8.
Aratrisporites minicus Qu 1987 Qu et Zhang, pl.38,17.
Aratrisporites paenulatus Playford et Dettmann 1982 Zhang, pl.I,9.
Aratrisporites parvispinus Leschik 1982 Zhang, pl.I,10.
Araucariacidites 1982 Zhang, p.125.
Baculatisporites hubeiensis Zhang 1995 1995 Zhang, pl.X,14.
Biretisporites 1982 Zhang, p.125.
Calamospora nathorstii (Halle) Klaus 1982 Zhang, pl.I,3.
Chasmatosporites 1982 Zhang, p.125.
Chordasporites 1982 Zhang, p.125.
Cibotiumspora 1982 Zhang, p.125.
Cingulatisporites 1982 Zhang, p.125.
Corisaccites alutas Venkat. & Kar. 1987 Qu et Zhang, pl.39,8; 1982 Zhang, pl.II,18.
Corisaccites alutas Venkat. & Kar. 1987 Qu et Zhang, pl.39,8; 1982 Zhang, pl.II,18.
Crustasporites globosus Leschik 1982 Zhang, pl.II,22.
Cycadopites nitidus (Balme) Pocock 1987 Qu et Zhang, pls.39,20;47,28.

Cycadopites ovatus Rouse 1987 Qu et Zhang, pl.39,14.
Cycadopites sp. 1982 Zhang, pl.II,2-5.
Cyclogranisporites arenosus Madler 1987 Qu et Zhang, pl.40,32.
Cyclogranisporites aureus (Loose) Potonie & Kremp 1987 Qu et Zhang, pl.38,16
Cyclogranisporites triassicus Madler 1987 Qu et Zhang, pl.38,13.
Cyclogranisporites triletus Kar 1982 Zhang, pl.I,12.
Cyclotriletes triassicus Mädlar 1964 1987 Qu et Zhang, pl.38,13
Dictyophyllidetes 1982 Zhang, p.125.
Divisisporites 1982 Zhang, p.125.
Exesipollenites 1982 Zhang, p.125.
Falcisporites sp. 1982 Zhang, pl.II,14.
Foveolatisporites distinctus Ouyang 1987 Qu et Zhang, pl.38,9.
Foveotriletes 1982 Zhang, p.125.
Granulatisporites contactus Chu 1982 Zhang, pl.I,11.
Huabeiisporites psilosus Qu 1987 Qu et Zhang, pl.38,25.
Jagaspores 1982 Zhang, p.125.
Jugasporites cf. *perspicuus* Leschik 1982 Zhang, pl.II,17.
Klausipollenites decipiens Jansonius 1982 Zhang, pl.II,11.
Klausipollenites sp. 1982 Zhang, pl.II,12.
Labiisporites 1982 Zhang, p.125.
Leiotriletes sp. 1982 Zhang, pl.I,1,2.
Leiotriletes sp. 1987 Qu et Zhang, pl.38,2.
Libyaeasporites triletus Kar, Kieser & Jain 1972 1987 Qu et Zhang, pl.38,6.
Limitisporites 1982 Zhang, p.125.
Lueckisporites 1982 Zhang, p.125.
Lundbladispota neburgii Schulz 1982 Zhang, pl.I,5; 1987 Qu et Zhang, pl.38,23(cf.).
Lundbladispota neburgii Schulz 1982 Zhang, pl.I,5; 1987 Qu et Zhang, pl.38,23(cf.).
Lundbladispota sp. 1982 Zhang, pl.I,6.
Lundbladispota springsurensis de Jersey 1987 Qu et Zhang, pl.38,21(cf.).
Maculatasporites indicus Tiwari 1987 Qu et Zhang, pl.38,11.
Microreticulatisporites sp. 1982 Zhang, pl.I,17.
Monosulcites glabrescens (Maljavkina) Zhang 1982 Zhang, pl.II,1.
Osmundacidites cf. *alpines* Klaus 1987 Qu et Zhang, pl.38,5.
Osmundacidites parvus de Jersey 1982 Zhang, pl.I,7.
Osmundacidites wellmanii Couper 1987 Qu et Zhang, pls.40,37;46,13.
Palambages 1982 Zhang, p.125.
Perotriletes sp. 1982 Zhang, pl.I,18.
Piceapollenites 1982 Zhang, p.125.
Pinuspollenites 1982 Zhang, p.125.
Podocarpidites minisculus Singh 1987 Qu et Zhang, pl.39,19.
Podocarpidites queenslandi (de Jersey) Qu 1982 Zhang, pl.II,13; 1987 Qu et Zhang, pl.39,10.
Podocarpidites queenslandi (de Jersey) Qu 1982 Zhang, pl.II,13.
Podocarpidites radialis (Leschik) Qu & Zhang 1987 1987 Qu et Zhang, pl.39,6,11.
Pretricolpipollenites bharadwaji Balme 1982 Zhang, pl.II,6.

Protohaploxypinus sp. 1982 Zhang, pl.II,19,20.
Psophosphaera henanensis Zhang 1982 Zhang, pl.II,8.
Punctatisporites crassirimosus Qu 1987 Qu et Zhang,pl.38,1.
Punctatisporites punctatus (Ibrahim) Ibrahim 1987 Qu et Zhang,pl.38,15.
Punctatisporites sp. 1982 Zhang, pl.I,4.
Reticulatisporites bunter Mädler 1995 Zhang, pl.X,10.
Reticulatisporites sp. 1982 Zhang, pl.I,20.
Retusotriletes 1982 Zhang, p.125.
Rugulatisporites mesozoicus Madler 1982 Zhang, pl.I,23.
Sahnisporites 1982 Zhang, p.125.
Spheripollenites sp. 1982 Zhang, pl.II,7.
Striatopiceates 1982 Zhang, p.125.
Striatopodocarpites 1982 Zhang, p.125.
Taeniaesporites albertae Jansonius 1987 Qu et Zhang,pl.39,9
Taeniaesporites angulistriatus (Klaus) Clarke 1987 Qu et Zhang,pl.39,13.
Taeniaesporites kraeuseli Leschik 1987 Qu et Zhang,pls.39,4;42,18.
Taeniaesporites labdacus Klaus 1987 Qu et Zhang,pl.39,5,16.
Taeniaesporites noviaulensis Leschik 1982 Zhang, pl.II,16.
Taeniaesporites noviaulensis Leschik 1982 Zhang, pl.II,16; 1987 Qu et Zhang,pls.39,2,15;42,11,17.
Taeniaesporites novimundi Jansonius 1987 Qu et Zhang,pl.39,15; 42,17.
Taeniaesporites nubilus (Leschik) Clarke 1987 Qu et Zhang,pl.39,18.
Taeniaesporites sp. 1982 Zhang, pl.II,15.
Taeniaesporites sulcatus (Pautsch) Zhang 1982 1982 Zhang, pl.II,21; 1987 Qu et Zhang,pl.39,17.
Taeniaesporites sulcatus (Pautsch) Zhang 1982 1982 Zhang, pl.II,21.
Taeniaesporites transversundatus Jansonius 1987 Qu et Zhang,pl.39,7.
Thomasonisporites 1982 Zhang, p.125.
Trizonites 1982 Zhang, p.125.
Tubermonocolpites pingquanensis Qu 1987 Qu et Zhang,pl.38,18,20.
Verrucosisporites bullatus Balme et Hennelly 1987 Qu et Zhang,pl.38,8.
Verrucosisporites bullus Qu 1995 Zhang, pl.X,13.
Verrucosisporites jenensis Reinhardt et Schmitz 1982 Zhang, pl.I,15.
Verrucosisporites margaritatus (Madler) Zhang 1982 1982 Zhang, pl.I,16.
Verrucosisporites microgranifer (Madler) Zhang 1982 1982 Zhang, pl.I,19.
Verrucosisporites morulae Klaus 1995 Zhang, pl.X,11.
Verrucosisporites remyanus (Madler) Zhang 1982 1982 Zhang, pl.I,13.
Verrucosisporites remyanus (Madler) Zhang 1982 1995 Zhang, pl.X,9.
Verrucosisporites sp. 1982 Zhang, pl.I,14.
Verrucosisporites verrucosus (Ibrahim) Ibrahim 1987 Qu et Zhang,pl.38,14,19.
Vestigisporites 1982 Zhang, p.125.
Vitreisporites pallidus (Reiss.) Nilsson 1982 Zhang, pl.II,9.

Guizhou (1983 Bai et al., Yangjie, Weining County, The 2nd layer of Guanling Formation)
Alisporites nuthallensis Clarke 1965 1983 Bai et al., pl.131,16.

Aratrisporites granulatus (Klaus 1960) Playford & Dettmann 1965 1983 Bai et al., pl.118,3-4.
Aratrisporites paraspinosus Klaus 1960 1983 Bai et al., pl.118,2.
Aratrisporites strigosus Playford 1965 1983 Bai et al., pl.118,1(cf.).
Caytonipollenites pallidus (Reissinger 1938) Couper 1958 1983 Bai et al., pls.123,2;134,26.
Corisaccites cathayensis Bai 1983 1983 Bai et al., pl.120,7.
Craterisporites bullatus Bai 1983 1983 Bai et al., pl.117,10-11.
Cycadopites acerrimus (Leschik 1955) Clarke 1965 1983 Bai et al., pl.119,18.
Cycadopites coxii Visscher 1966 1983 Bai et al., pl.119,16.
Cycadopites sufflavus Visscher 1966 1983 Bai et al., pl.119,17.
Dacrycarpites europaeus Mälder 1983 Bai et al., pl.118,21.
Jerseyiaspora sinensis Bai 1983 1983 Bai et al., pl.117,12.
Kraeuselisporites spinosus Jansonius 1962 1983 Bai et al., pl.118,16.
Lapposporites punctatus Bai 1983 1983 Bai et al., pl.117,18.
Lueckisporites hsui Bai 1983 1983 Bai et al., pl.119,7-9.
Lueckisporites neovirkkiae Bai 1983 1983 Bai et al., pl.119,10.
Lundbladispora sp. 1983 Bai et al., pl.118,13.
Lundbladispora brevicula Balme 1963 1983 Bai et al., pl.118,5-6.
Lundbladispora neburgii Schlz 1964 1983 Bai et al., pl.118,7-8.
Lundbladispora playfordi Balme 1963 1983 Bai et al., pl.118,10.
Lundbladispora plicata Bai 1983 1983 Bai et al., pl.118,11-12.
Lundbladispora willmotti Balme 1963 1983 Bai et al., pl.118,9.
Mosulipollenites circularis Singh 1964 1983 Bai et al., pl.118,20.
Mosulipollenites sulcvs Bai 1983 1983 Bai et al., pl.120,9.
Obtusisporis sp. 1983 Bai et al., pl.117,17.
Perotrilites asiaticus Bai 1983 1983 Bai et al., pl.117,5.
Platysaccus problematicus Bai 1983 1983 Bai et al., pl.120,1.
Platysaccus radialis (Leschik) Bai 1983 1983 Bai et al., pl.120,2.
Platysaccus reticulata Mälder 1983 Bai et al., pl.120,3.
Platysaccus spumidus Bai 1983 1983 Bai et al., pl.120,4.
Potonieisporites mesozoicus Bai 1983 1983 Bai et al., pl.120,3.
Protohaploxylinus volaticus (Ischenko 1952) Hart 1964 1983 Bai et al., pl.119,13.
Retusotriletes weiningensis Bai 1983 1983 Bai et al., pl.118,14-15.
Striatoabietites aytugii Visscher 1966 1983 Bai et al., pl.119,11-12.
Sulcusicystis baculatus Bai 1983 1983 Bai et al., pl.120,12.
Sulcusicystis clavatus Bai 1983 1983 Bai et al., pl.120,14.
Sulcusicystis echinatus Bai 1983 1983 Bai et al., pl.120,10-11,13.
Taeniaesporites krauseli Leschik 1955 1983 Bai et al., pls.119,2-3;123,12.
Taeniaesporites pellucidus (Gobin 1965) Balme 1970 1983 Bai et al., pl.119,14.
Taeniaesporites puntii (Visscher 1966) Bai 1983 1983 Bai et al., pl.119,15.
Taurocusporites clarus Bai 1983 1983 Bai et al., pl.117,15-16.
Taurocusporites sp. 1983 Bai et al., pl.117,14.
Triadispora crassa Visscher 1966 1983 Bai et al., pls.118,18-19; 119,6.
Triadispora muelleri (Reinhardt & Schmitz 1964) Visscher 1966 1983 Bai et al., pl.118,22-23.
Triadispora plicata Klaus 1964 1983 Bai et al., pl.118,17.

Triadispora sinensis Bai 1983 1983 Bai et al., pls.118,24;119,1.
Uvaesporites sp. 1983 Bai et al., pl.117,13.
Verrucosisporites congestus Playford 1963 1983 Bai et al., pl.117,7.
Verrucosisporites eximius Bai 1983 1983 Bai et al., pl.117,9.
Verrucosisporites krempii Mälder 1983 Bai et al., pl.117,6.
Verrucosisporites thuringiacus Mälder 1983 Bai et al., pl.117,8.
Voltziaceasporites heteromorpha Klaus 1964 1983 Bai et al., pl.119,4-5.

Ladinian (4 Sections Studied)

Hunan (1987 Qu, Hongjiaguan, Sangzhi County, Upper Badong Formation; 1987 Lu et Wang, The Goldern Hill to the Xiangshui Cavity Section, Sangzhi County, The top of The 3rd Layer and 4th Layer of Badong Formation; 1995 Zhang, Hongjiaguan, Sangzhi County, the 4th and 5th Layer of Badong Formation;)

Alisporites australis de Jersey 1995 Zhang, pl.XIV,1.
Alisporites parvus de Jersey 1995 Zhang, pl.XV,10.
Angustisulcites klausii Visscher 1995 Zhang, pl.XV,8.
Annulispora folliculosa (Rogarska) de Jersey 1969 1987 Lu et Wang, pl.31,26.
Apiculatisporis parvispinosus (Leschik) Qu 1987 1995 Zhang, pl.XIII,12.
Apiculatisporis parvispinosus (Leschik) Qu 1987 Lu et Wang, pl.31,15,16.
Aratrisporites scabratus Klaus 1960 1987 Lu et Wang, pl.31,28,30.
Aratrisporites sp.1 1987 Lu et Wang, pl.31,29.
Aratrisporites sp.2 1987 Lu et Wang, pl.31,31.
Baculatisporites comaumensis (Cookson) Potonie 1956 1987 Lu et Wang, pl.31,21.
Biretisporites sp. 1987 Lu et Wang, pl.31,13.
Cadaryasporites sp. 1987 Lu et Wang, pl.31,14.
Calamospora nathorstii (Halle) Klaus 1960 1987 Lu et Wang, pl.31,1,2.
Calamospora sp. 1987 Lu et Wang, pl.31,10.
Camarozonosporites rudis (Leschik) Klaus 1960 1987 Lu et Wang, pl.31,25.
Caytonipollenites pallidus (Reiss) Couper 1958 1987 Lu et Wang, pl.32,8.
Chasmatisporites giganteus Zhang 1995 1995 Zhang, pl.XIV,17.
Chordasporites australiensis de Jersey 1995 Zhang, pl.XIV,14.
Chordasporites singulichorda Klaus 1995 Zhang, pl.XV,3.
Colpectopollis ellipsoidcus Visscher 1995 Zhang, pl.XV,2.
Colpectopollis pseudostratus (Koptova) Qu 1995 Zhang, pl.XV,1.
Colpectopollis scitulus (Qu & Pu) Qu & Wang 1995 Zhang, pl.XV,5.
Convruccosisporites huatingensis Liu 1995 Zhang, pl.XIII,8.
Convruccosisporites xinjiangensis Qu & Wang 1995 Zhang, pl.XIII,9.
Convolutispora xiangxiensis Zhang 1995 1995 Zhang, pl.XIII,4.
Cyathidites australis Couper 1995 Zhang, pl.XIII,1.
Cycadopites granulatus (de Jersey) de Jersey 1995 Zhang, pl.XIII,17.
Cycadopites nitidus (Balme) Pocock 1970 1987 Lu et Wang, pl.32,1.
Cyclogranisporites aronsus Mälder 1995 Zhang, pl.XIII,6.
Dacrycarpites sp. 1987 Lu et Wang, pl.32,18.

Eucommiidites sp. 1995 Zhang, pl.XIII,18.
Gardenasporites magnus Hou & Wang 1995 Zhang, pl.XV,12.
Gardenasporites protensus Hou & Wang 1995 Zhang, pl.XV,7.
Gardenasporites rotundus Zhang 1995 1995 Zhang, pl.XV,4.
Granosaccus rotundus Zhang 1995 1995 Zhang, pl.XIV,4-5.
Hymenozonotriletes sp. 1987 Lu et Wang, pl.31,17.
Laevigatosporites sp. 1987 Lu et Wang, pl.31,27.
Limitisporites mesozoicus Zhang 1995 1995 Zhang, pl.XV,6,9.
Lophozonotriletes defunutus Zhang 1995 1995 Zhang, pl.XIII,14-15.
Marattisporites scabratus Couper 1958 1987 Lu et Wang, pl.31,32.
Marsupipollenites triadiliatus Balme & Hennelly 1995 Zhang, pl.XIII,16.
Microreticulatisporites opacus (Leschik) Klaus 1960 1987 Lu et Wang, pl.31,24.
Microreticulatisporites sp. 1987 Lu et Wang, pl.31,20.
Neoraistrickia sangzhiensi Lu et Wang 1987 1987 Lu et Wang, pl.31,22.
Neoraistrickia sp. 1995 Zhang, pl.XIII,13.
Osmundacidites alpinus Klaus 1960 1987 Lu et Wang, pl.31,19.
Osmundacidites senectes Balme 1995 Zhang, pl.XIII,10.
Osmundacidites wellmanii Couper 1953 1987 Lu et Wang, pl.31,18.
Perotriletes validus Qu et Pu 1987 Qu, pl.I,11.
Pinuspollenites sp. 1987 Lu et Wang, pl.32,2.
Platysaccus queenslandi de Jersey 1995 Zhang, pl.XIV,6.
Podocarpidites arquatus (K.-M.) Qu 1980 1987 Lu et Wang, pl.32,5.
Podocarpidites cacheutensis (Jain) Qu 1980 1987 Lu et Wang, pl.32,6.
Podocarpidites multesimus (Bolch.) Pocock 1962 1987 Lu et Wang, pl.32,4.
Podocarpidites multesimus (Bolch.) Pocock 1962 1995 Zhang, pl.XIV,2-3.
Podocarpidites sp. 1987 Lu et Wang, pl.32,3.
Pretricolpipollenites bharadwaji Balme 1995 Zhang, pl.XIII,19.
Protohaploxypinus samoilovichii (Jansonius) Hart 1995 Zhang, pl.XIV,12.
Protohaploxypinus varius (Bharadwaj) Balme 1970 1987 Lu et Wang, pl.32,10.
Pseudopicea sp. 1987 Lu et Wang, pl.32,7.
Psophosphaera sp. 1987 Lu et Wang, pl.32,17.
Pteruchipollenites reticarpus de Jersey 1995 Zhang, pl.XIV,7.
Punctatisporites hunanensis Zhang 1995 1995 Zhang, pl.XIII,2-3.
Punctatisporites hymenophylloides Qu 1980 1987 Lu et Wang, pl.31,7.
Punctatisporites minutes Kosanke 1950 1987 Lu et Wang, pl.31,9; 1987 Qu, pl.I,1.
Punctatisporites minutes Kosanke 1950 1987 Qu, pl.I,1.
Punctatisporites palmipedites Ouyang 1995 Zhang, pl.XIII,5.
Punctatisporites shensiensis Qu 1980 1987 Lu et Wang, pl.31,8.
Punctatisporites sp. 1987 Lu et Wang, pl.31,4,6.
Punctatisporites triassicus Schiulz 1967 1987 Lu et Wang, pl.31,3,5.
Punctatisporites triassicus Schiulz 1967 1995 Zhang, pl.XIII,7.
Retusotriletes stereoides Wu & Pu 1982 1987 Lu et Wang, pl.31,12.
Striatoabietites richteri (Klaus) Hart 1995 Zhang, pl.XV,13.
Striatoabietites keuperi (Madler) Lu & Wang 1983 1987 Lu et Wang, pl.32,19.

Striatopodocarpites antiquus (Leschik) Hart 1995 Zhang, pl.XV,11.
Striatopodocarpites conexus Zhang 1995 1995 Zhang, pl.XIV,8.
Striatopodocarpites sp. 1995 Zhang, pl.XIV,9.
Taeniaesporites albertae Jansonius 1995 Zhang, pl.XIV,15.
Taeniaesporites divisus Qu 1995 Zhang, pl.XIV,16.
Taeniaesporites firmatus Lu et Wang 1987 1987 Lu et Wang, pl.32,11,12.
Taeniaesporites hexagonalis Jansonius 1987 Qu, pl.I,12; 1995 Zhang, pl.XIV,11.
Taeniaesporites kraeuseli Leschik 1995 Zhang, pl.XIV,13.
Taeniaesporites mirabilis Qu 1980 1987 Lu et Wang, pl.32,13,14.
Taeniaesporites ovaliformis Zhang 1995 1995 Zhang, pl.XIV,10.
Taeniaesporites sp. 1987 Lu et Wang, pl.32,9; 1987 Qu, pl.I,20.
Thymospora sp. 1987 Lu et Wang, pl.31,33.
Turingisaccus delicatus Lu et Wang 1987 1987 Lu et Wang, pl.32,15,16.
Undulatisporites sp. 1987 Lu et Wang, pl.31,11.
Verrucosisporites krempii Madler 1964 1987 Lu et Wang, pl.31,23.
Verrucosisporites thuringiacus Mädlar 1995 Zhang, pl.XIII,11.

Hubei (1995 Zhang, Xietan and Shazhenxi, Zigui County; the 5th of Badong Formation)

Aratrisporites granulatus (Klaus) Playford et Dettmann 1995 Zhang, pl.XVI,1-2.
Cycadopites grannulatus (de Jersey) de Jersey 1995 Zhang, pl.XVI,6.
Falcisporites nuthallensis (Leschik) Clarke 1995 Zhang, pl.XVI,5.
Falcisporites stabilis Balme 1995 Zhang, pl.XVI,10.
Grebespora concentrica Jansonius 1995 Zhang, pl.XVI,9,16,20.
Grebespora magna de Jersey 1995 Zhang, pl.XVI,19.
Huhgarodiscus sp. 1995 Zhang, pl.XVI,31.
Leiophaeridia pseudoreticulata Song 1995 Zhang, pl.XVI,28.
Megamonosporites cacheutensis Jain 1995 Zhang, pl.XVI,23.
Perinopollenites sp. 1995 Zhang, pl.XVI,17.
Platysaccus triassicus Mädlar 1995 Zhang, pl.XVI,13.
Protohaploxylinus diagonalis Balme 1995 Zhang, pl.XVI,15.
Protohaploxylinus limpidus (Balme & Hennelly) Playford & Dettmann 1995 Zhang, pl.XVI,12.
Pteruchipollenites cryptocarpus Ouyang & Li 1995 Zhang, pl.XVI,8.
Sulcatisporites ovalis (Balme & Hennelly) Balme & Playford 1995 Zhang, pl.XVI,3-4.
Taeniaesporites pellucidus (Goubin) Balme 1995 Zhang, pl.XVI,18.
Taeniaesporites sp. 1995 Zhang, pl.XVI,14.
Vitreisporites cryptocarpus Ouyang & Li 1995 Zhang, pl.XVI,7.
Vitreisporites jurassicus (Pocock) Zhang 1995 1995 Zhang, pl.XVI,11.

Carnian-Norian₁ (16 Sections Studied)

Guangdong (1998 Shang and 1978 Zhang, Lechang, Xiaoshui Formation)

Acanthotriletes ilekensis Kopytova 1978 Zhang, pl.130,22.
Acanthotriletes levidensis Balme 1978 Zhang, pl.128,20(cf.).

Acanthotriletes uninatus Chang (MS) 1978 Zhang, pl.128,17-18.
Apiculatisporis globosus (Leschik) Playford et Dettmann 1978 Zhang, pl.128,21.
Cycadophytes labrosus (Bolkhovitina) 1978 Zhang, pl.131,6.
Dictyophyllidites harrisii Couper 1978 Zhang, pl.127,12-13.
Dictyophyllidites intrastriatus (Nilsson) 1978 Zhang, pl.127,22.
Dictyophyllidites mortoni (de Jersey) Playford et Dettmann 1978 Zhang, pl.127,3,11.
Discisporites radius Zhang 1978 1978 Zhang, pl.132,17-18.
Duplexisporites sp. 1978 Zhang, pl.130,8.
Lycopodiacidites ejuncidus Zhang 1978 1978 Zhang, pl.129,6-8.
Marattisporites sp. 1978 Zhang, pl.130,24-25.
Matonisporites phleboteroides Couper 1978 Zhang, pl.127,31.
Megamonosporites tuberculatus Zhang 1978 1978 Zhang, pl.132,6.
Neoraistrickia taylorii Playford et Dettmann 1978 Zhang, pl.136,19-20.
Ovalipollis ovalis Krutsch 1998 Shang, pl.II,18.
Polycingulatisporites crenulatus Playford et Dettmann 1978 Zhang, pl.129,16-17.
Pseudowaalchia ovalis Pocock 1978 Zhang, pl.133,5-6.
Psophosphaera glabrus (Maljavkina) Bolkhovitina 1978 Zhang, pl.131,12.
Punctatosporites ovatus Zhang 1978 1978 Zhang, pl.130,26.
Punctatosporites sp. 1978 Zhang, pl.130,27.
Quadraeculina limbata Maljavkina 1978 Zhang, pls.134,13;137,5.
Ricciisporites tuberculatus Lundblad 1978 Zhang, pl.129,26.
Stereisporites antiquasporites (Wilson et Webster) Dettmann 1978 Zhang, pl.127,32.
Taeniaesporites noviaulensis Leschik 1978 Zhang, pl.135,15-18.
Todisporites minor Couper 1978 Zhang, pls.127,28; 138,4.
Vitreisporites ovalis Zhang 1978 1978 Zhang, pl.132,21-22.
Vitreisporites pallidus (Reissinger) Nilsson 1978 Zhang, pl.132,19-20.

Hunan (1987 Qu, Hongjiaguan, Sangzhi County, Yingzuishan Formation)

Alisporites australis de Jersey 1987 Qu, pl.III,17.
Aratrisporites sp. 1987 Qu, pl.III,6.
Baculatisporites medius Qu 1987 1987 Qu, pls.II,21; III,1.
Calamospora nathorstii (Halle) Klaus 1987 Qu, pl.II,10.
Camarozonosporites rudis (Leschik) Klaus 1987 Qu, pl.II,15.
Camarozonosporites sp. 1987 Qu, pl.II,17.
Colpectopollis pseudostratus (Kopytova) Qu 1987 Qu, pl.III,13,14.
Concavisporites (Pflug) Delcourt et Sprumont 1955
Concavisporites juriensis Balme 1987 Qu, pl.II,3.
Concavisporites lunzensis (Klaus) Qian, Zhao et Wu 1987 Qu, pl.II,5.
Concavisporites sp. 1987 Qu, pl.II,4.
Concavisporites toralis (Leschik) Nilsson 1987 Qu, pl.II,2.
Corollisporites australis Qu 1987 1987 Qu, pls.II,16; III,8.
Corollisporites bellus (Zhang) Lu et Wang 1987 Qu, pl.II,14,20.
Corollisporites delicatus Lu et Wang 1987 Qu, pl.III,2.
Corollisporites maaniangensis Lu et Wang 1987 Qu, pl.III,3.

Corollisporites nitidus Qu 1987 1987 Qu, pls.II,24; III,5.
Dictyophyllidites Couper 1958
Dictyophyllidites harrisii Couper 1987 Qu, pl.II,6.
Dictyophyllidites mortoni Playford et Dettmann 1987 Qu, pl.II,9.
Falcisporites stabilis Balme 1987 Qu, pl.III,23.
Gleicheniidites (Ross) Delcourt et Sprumont 1955
Gleicheniidites minor Doring 1987 Qu, pl.II,1.
Interulobites sp. 1987 Qu, pl.II,11.
Kyrtomispuris laevigatus Mädler 1987 Qu, pl.II,18.
Libyaesporites cf. *triletes* Kar, Kieser et Jain 1987 Qu, pl.II,22.
Lycopodiumsporites cf. *clavatooides* Couper 1987 Qu, pl.III,4.
Marattisporites scabratus Couper 1987 Qu, pl.III,7.
Piceapollenites complanatiformus (Bolikh.) Xu et Zhang 1987 Qu, pl.III,18.
Punctatisporites incognatus Qu 1987 Qu, pl.II,7.
Punctatisporites leighensis Playford et Dettmann 1987 Qu, pl.II,12.
Punctatisporites triassicus Schulz 1987 Qu, pl.II,8.
Quadraeculina limbata Maljavkina 1949 1987 Qu, pl.III,25.
Taeniaesporites (Leschik) Jansonius 1962
Taeniaesporites rhaeticus Schulz 1967 1987 Qu, pl.III,10,11.
Taeniaesporites sp. 1987 Qu, pl.III,20.
Verrucosisporites morulae Klaus 1987 Qu, pl.II,19.
Verrucosisporites sp. 1987 Qu, pl.III,9.
Verrucosisporites thuringiacus Mädler 1987 Qu, pl.II,23.
Verrumonocolpites hunanensis Qu 1987 1987 Qu, pl.III,24.
Verrusaccus empheres Qu 1987 1987 Qu, pl.III,12,16.
Verrusaccus sichuanensis Lu et Wang 1987 Qu, pl.III,22.
Verrusaccus sp. 1987 Qu, pl.III,21.
Verrusaccus verrucosus (Qian et al.) Qu 1987 Qu, pl.III,15.

Hubei (1987 Qian et Wu, Jiuzhen, Tianmen City, Xiaoping Formation)

Alisporites rotundus Rouse 1959 1987 Qian et Wu, pl.32,7.
Alisporites sp. 1987 Qian et Wu, pl.32,10,11.
Annulispora folliculosa (Rogalska) de Jersey 1987 Qian et Wu, pl.31,5,6,8,17.
Annulispora puncta (Klaus) Ashraf 1977 1987 Qian et Wu, pl.31,7.
Anticapipollis sp.. 1987 Qian et Wu, pl.32,3.
Apiculatisporis parvispinosus (Leschik) Pot. et Kr. 1987 Qian et Wu, pl.30,13.
Aratrisporites fischeri (Klaus) Playford & Dettmann 1987 Qian et Wu, pl.31,23,28,29.
Auritulinasporites sp. 1987 Qian et Wu, pl.30,6,7.
Calamospora nathorstii (Halle) Klaus 1960 1987 Qian et Wu, pl.30,19.
Camazonosporites rudis (Leschik) Klaus 1987 Qu et Zhang, pl.30,25.
Canalizonospora sp. 1987 Qian et Wu, pl.30,31.
Chasmatosporites apertus (Rogalska) Nilsson 1987 Qu et al., pl.32,23.
Chasmatosporites rugatus Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.32,21.
Chordasporites sp. 1987 Qian et Wu, pl.32,6.

Cibotiumspora arquatus Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.30,8,9.
Cibotiumspora Chang 1965
Conbaculatisporites sp. 1987 Qian et Wu, pl.30,27.
Concavisporites kermanensis Arjang 1975 1987 Qian et Wu, pl.30,8,9.
Cycadopites fusiformis (Nilsson) Behrouz 1975 1987 Qian et Wu, pl.32,15.
Cycadopites sp. 1987 Qian et Wu, pl.32,13,14.
Deltoidospora sp. 1987 Qian et Wu, pl.30,3-5.
Dictyophyllidites Couper 1958
Dictyophyllidites sp. 1978 Zhang, pl.30,12.
Endosporites sp. 1987 Qian et Wu, pl.31,30.
Gentaceaepollenites sp. 1987 Qian et Wu, pl.32,19.
Granamegamonocolpites sp. 1987 Qian et Wu, pl.32,16,18.
Granasporites magnus Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.32,20.
Granasporites minus Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.32,17.
Krauselisporites guangyuanensis Li 1987 Qian et Wu, pl.31,1.
Kyrtomispuris coronarius (Shang) Li et Shang 1980 1987 Qian et Wu, pl.30,29.
Kyrtomispuris nasserii Ashrae 1977 1987 Qian et Wu, pl.30,34.
Kyrtomispuris sp. 1987 Qian et Wu, pl.31,2,4,11,12,19.
Kyrtomispuris speciosus Mädler 1987 Qu et Zhang, pl.30,26,30.
Laevigatosporites sp. 1987 Qian et Wu, pl.31,26.
Limboisporites cf. *lundbladii* Nilsson 1958 1987 Qian et Wu, pl.30,33.
Lophotriletes sp. 1987 Qian et Wu, pl.30,16.
Lunzisporites sp. 1987 Qian et Wu, pl.30,15.
Neoraistrickia sp. 1987 Qian et Wu, pl.30,24.
Neoraistrickia taylorii Playford et Dettmann 1987 Qu et Zhang, pl.30,18.
Ovalipollis sp. 1987 Qu et al., pl.32,5.
Pityosporites sp. 1987 Qian et Wu, pl.32,12.
Platysaccus queenslandi Jersey 1962 1987 Qian et Wu, pl.32,1.
Platysaccus sp. 1987 Qian et Wu, pl.32,2.
Psilalacinites minus Qian et Wu 1987 1987 Qian et Wu, pl.30,2.
Punctatisporites cf. *microtumulosus* Play. et Dettm. 1968 1987 Qian et Wu, pl.30,17.
Rogalskaisporites sp. 1987 Qian et Wu, pl.30,1.
Striapollenites sp. 1987 Qian et Wu, pl.31,27.
Taeniaesporites sp. 1987 Qian et Wu, pl.31,25.
Thymospora sp. 1987 Qian et Wu, pl.31,24.
Torispورا securis Balme 1987 Qian et Wu, pl.31,20.
Trizonites reticulates Li et Shang 1980 1987 Qian et Wu, pl.31,21.
Vallasporites sp. 1987 Qian et Wu, pl.31,22.
Verrusaccus sichuanensis Lu et Wang 1987 Qian et Wu, pl.32,4.
Vitreisporites signatus Leschik 1955 1987 Qian et Wu, pl.32,9.
Vitreisporites sp. 1987 Qian et Wu, pl.32,8.

Sichuan (1980 Lu et Wang, Ma'antang Station, Jiangyou City, Ma'antang Formation; 1983 Bai et al., Ma'antang and The Regorging River, Jiangyou City; Hulukou, Weiyuan County; Xujiage,

Guangyuan City, Ma'antang Formation and Xiaotangzi Formation; 1983 Qu et al., Jiangyou, Ma'antang Formation; 1984 Zhang, Xinchang Field to Lianjie Field, Lasting for 15Km; 1991 Shang et Li, Mosuohe Section, Upper Jinshajiang, Daqiaodi Formation; 1992 Shang et Li, Cifengchang, Pengxian County; Hanwang, Mianzhu City; Xujahe and Baitian Bam, Guangyuan City; Shuanghechang, Dayi County; Huanglian Bridge, Jiangyou City, Xiaotangzi Formation)

Abietinaepollenites sp. 1992 Shang et Li, pl.X,12-13.

Acanthotriletes conicus Li 1974 1992 Shang et Li, pl.II,1-3.

Acanthotriletes globules Zhang 1984 1984 Zhang, pl.II,22.

Acanthotriletes sp. 1992 Shang et Li, pl.II,4-5.

Accinctisporites sp. 1983 Bai et al., pl.123,15.

Acinosporites sp. 1992 Shang et Li, pl.VIII,13a-b.

Alveolasporea conudata Zhang 1984 Zhang, pl.IX,2-5.

Alveolasporea paradoxa Zhang 1984 1984 Zhang, pl.VIII,8-10.

Ancyrospora acumminata Lu 1980 1992 Shang et Li, pl.VIII,3,6.

Angiopteridaspora denticulata Chang 1991 Shang et Li, pl. I,10.

Angiopteridaspora primordialis Zhang 1984 1984 Zhang, pl.II,18,19.

Annulispora follicalosa (Rogalska) de Jersey 1983 Qu et al., pl.II,11; 1991 Shang et Li, pls. I,18; III,11; 1992 Shang et Li, pl.IV,5-6; 1983 Bai et al., pl.121,22-23.

Annulispora microannulata de Jersey 1962 1984 Zhang, pl.VII,12-18; 1992 Shang et Li, pl.IV,3.

Annulispora perforata (Leschik) Li et Shang 1992 Shang et Li, pl.IV,1-2.

Annulispora planula Lu & Wang 1980 1980 Lu et Wang, pl.I,15; 1983 Bai et al., pl.121,24-25.

Annulispora puqiensis Zhang 1978 1992 Shang et Li, pl.IV,4.

Annulispora sp. 1992 Shang et Li, pl.IV,7.

Anulatisporites xujiaheensis Li 1974 1992 Shang et Li, pl.IV,10-11.

Apiculatisporis clematisi de Jersey 1991 Shang et Li, pl. I,8.

Apiculiretusispora granulate Owens 1971 1992 Shang et Li, pl.VII,5-6.

Aratrisporites fischeri (Klaus) Playford and Dettmann 1991 Shang et Li, pl. II,16; 1992 Shang et Li, pl.VI,5-8.

Aratrisporites palettae (Klaus) Playford et Dettmann 1992 Shang et Li, pl.VI,1-4.

Aratrisporites parvispinosus Leschik 1984 Zhang, pl.IX,17.

Asseretospora gyrasa (Playford et Dettmann) Schuurman 1991 Shang et Li, pls. II,7; III,16.

Auritulinasporites bellus Zhang 1984 1984 Zhang, pl.III,12-14.

Auritulinasporites lipistaformis Zhang 1984 1984 Zhang, pl.III,7-11.

Auritulinasporites triclovius Nilsson 1991 Shang et Li, pl. I,3.

Baculatisporites comaumensis (Cookson) Potonié 1992 Shang et Li, pl.I,35.

Baculatisporites sp. 1992 Shang et Li, pl.I,34.

Bacutriletes sp. 1992 Shang et Li, pl.VII,1.

Bacutriletes tylotus Potonie 1983 Qu et al.,pl.IV,7.

Bhardwajapollenites major Shang et Li 1992 Shang et Li, pl.IX,24.

Brelisporites sp. 1992 Shang et Li, pl.III,3.

Bulbisporites complatus Lu et Wang 1980 Lu et Wang, pl.I,22; 1983 Bai et al., pl.122,8.

Bulbisporites modicus Lu et Wang 1980 1980 Lu et Wang, pl.I,25.

Bulbisporites stigmatus Lu & Wang 1980 1980 Lu et Wang, pl.I,23; 1983 Bai et al., pl.122,9-10.

Bulbisporites variabilis Lu & Wang 1980 1980 Lu et Wang, pl.I,24.

Calamospora nathorstii (Halle 1908) Klaus 1960 1983 Bai et al., pl.117,2.
Calamospora tricristata Li 1974 1983 Qu et al.,pl.IV,11; 1992 Shang et Li, pl.VI,18a,b.
Camarozonosporites rudis (Leschik 1955) Klaus 1960 1983 Bai et al., pls.121,18;126,26.
Camarozonosporites simplex Lu & Wang 1980 1983 Bai et al., pl.121,26.
Canalizonospora canaliculata Li 1974 1992 Shang et Li, pl.IV,22-26,29-30.
Canalizonospora foveolata Shang et Li 1992 1992 Shang et Li, pl.IV,27-28.
Canalizonospora lanpingensis Li 1976 1992 Shang et Li, pl.IV,31-32.
Canalizonospora regularis Shang et Li 1991 1991 Shang et Li, pls. II,8,9; III,17,18.
Caytonipollenites pallidus (Reissinger) Couper 1983 Bai et al., pl.123,2.
Chasmatosporites apertus (Rogalska) Nilsson 1958 1992 Shang et Li, pl.IX,9-10.
Chasmatosporites major (Nilsson) Pocock and Jansonius 1984 Zhang, pl.XII,46.
Chasmatosporites oblongus Shang et Li 1992 1992 Shang et Li, pl.IX,11.
Cibotiumspora humilis Zhang 1984 1984 Zhang, pl.III,4-6.
Cibotiumspora juncta (Kara-Murza) Zhang 1978 1983 Bai et al., pl.121,2.
Cibotiumspora paradoxa (Maljavkina) Chang
Cingulatisporites circulatus Shang et Li 1991 1991 Shang et Li, pl. II,11,12.
Clathroidites subtilis Lu & Wang 1983 1983 Bai et al., pl.121,13-14.
Clathropterisospora canidentata Zhang 1984 Zhang, pl.IV,1,2,4-6,12.
Clathropterisospora serrulata Zhang 1984 1984 Zhang, pl.IV,19-21,27.
Clathropterisospora setiformis Zhang 1984 Zhang, pl.IV,7-11,13-18,22.
Compactisporites productus Lu & Wang 1980 1980 Lu et Wang, pl.I,9-10; 1983 Bai et al., pl.121,11-12.
Conbaculatisporites mesozoieus Klaus 1960 1992 Shang et Li, pl.I,32-33.
Concavisporites intrastriosus (Nilsson) Li et Shang 1991 Shang et Li, pl. I,6.
Concavisporites mortoni (de Jersey) de Jersey 1984 Zhang, pl.III,32-35.
Concavisporites toralis (Leschik) Nilsson 1983 Bai et al., pl.121,5; 1991 Shang et Li, pl. I,4,5; 1992 Shang et Li, pl.I,16-18.
Concavissimisporites cf. variverrucatus (Couper) Shang et Li 1992 Shang et Li, pl.I,22.
Conovalipollis strigatus Zhang 1984 1984 Zhang, pl.XVIII,17-19.
Corollisporites bellus (Zhang 1978) Lu & Wang 1980 1980 Lu et Wang, pl.II,4-5; 1983 Bai et al., pl.122,3-4.
Corollisporites delicatus Lu & Wang 1980 1980 Lu et Wang, pl.II,3; 1983 Bai et al., pl.122,7.
Corollisporites manntangensis Lu & Wang 1980 Lu et Wang, pl.II,1-2; 1983 Bai et al., pl.122,1-2; 1983 Qu et al., pl.II,19.
Corollisporites mirabilis Lu & Wang 1980 1980 Lu et Wang, pl.II,6-7; 1983 Bai et al., pl.122,5-6.
Coronasporites coronaria (Chang) Zhang 1984 1984 Zhang, pl. VI,14-21.
Coronasporites decorus Zhang 1984 Zhang, pl.VI,6.
Cyathidites australis Couper 1991 Shang et Li, pls.I,1; III,1; 1992 Shang et Li, pl.I7.
Cyathidites minor Couper 1953 1992 Shang et Li, pl.I,5-6.
Cycadopites complanatus Zhang 1984 1984 Zhang, pl.XII,2,3,7,8.
Cycadopites reticulus (Nilsson) Behronz 1992 Shang et Li, pl.IX,7-8.
Densosporites fissus (Reinhardt) Schulz 1983 Bai et al., pl.125,19; 1991 Shang et Li, pl. II,21; 1992 Shang et Li, pl.IV,8-9.
Densosporites paucispinus Lu & Wang 1983 Bai et al., pl.125,20.

Densosporites velasus Weyland et Krieger 1991 Shang et Li, pl. II,14.
Dictyophyllidites charicis Zhang 1984 1984 Zhang, pl.II,23-26.
Dictyophyllidites harriissi Couper 1958 1983 Bai et al., pl.121,3; 1992 Shang et Li, pl.I,8-10.
Dictyophyllidites mortoni (de Jersey) Playford & Dettmann 1983 Bai et al., pl.121,4.
Dictyophyllidites sp. 1991 Shang et Li, pl. I,2.
Discisporites granulus Zhang 1984 1984 Zhang, pl.XII,28,29.
Discisporites scabridus Zhang 1984 1984 Zhang, pl.XII,26,27.
Duplexisporites crassicingulatus Shang et Li 1992 1992 Shang et Li, pl.IV,13-15.
Duplexisporites gyratus Playford & Dettmann 1965 1983 Bai et al., pl.127,17; 1984 Zhang, pl.VII,1-7; 1992 Shang et Li, pl.III,12.
Duplexisporites hanwangensis Shang et Li 1992 1992 Shang et Li, pl.IV,16-18.
Duplexisporites problematicus (Couper 1958) Playford & Dettmann 1955 1992 Shang et Li, pl.IV,20-21.
Duplexisporites scanicus (Nilsson) Playford et Dettmann 1992 Shang et Li, pl.IV,19.
Equisetitriletes punctatus Zhang 1984 1984 Zhang, pl.I,4.
Equisetitriletes tener (Leschik) Chang 1984 Zhang, pl.I,12-18.
Exesipollenites sp. 1992 Shang et Li, pl.XI,14,21.
Ginkgo praeacuta Bolkhovitina 1984 Zhang, pl.XII,1.
Gleicheniidites limbalis Zhang 1984 1984 Zhang, pl.III,24-28.
Granoreticella stabilis Lu & Wang 1980 1980 Lu et Wang, pl.III,39.
Granosaccus ornatus (Pautsch 1971) Pautsch 1973 1983 Bai et al., pl.123,10.
Granosaccus sulcatus 1983 Bai et al., pl.129,15.
Habrozonosporites decoratus Lu et Wang 1980 Lu et Wang, pl.I,19-20; 1983 Bai et al., pl.122,29-30.
Habrozonosporites verrucosus Lu & Wang 1980 1980 Lu et Wang, pl.I,21; 1983 Bai et al., pl.121,31.
Hamulatisporis sp. 1992 Shang et Li, pl.II,8.
Horologinella sichuanensis Zhang 1984 1984 Zhang, pl.XIX,18,19.
Hystricosporites sp. 1992 Shang et Li, pl.VIII,10.
Ischyosporites marburgensis de Jersey 1983 Bai et al., pl.127,19.
Ityospora aprica Zhang 1984 1984 Zhang, pl.IX,11,15,16.
Knoxisporites cifengensis Li 1974 1992 Shang et Li, pl.I,21.
Knoxisporites mosuoheensis Shang et Li 1991 1991 Shang et Li, pl. I,16,17,20,21.
Kochisporites sp. 1992 Shang et Li, pl.VII,14.
Krauselisporites guangyuanensis Li 1974 1992 Shang et Li, pl.V,20-21.
Krauselisporites linearis (Cookson & Dettmann 1958) Dettmann 1963 1983 Bai et al., pl.121,28.
Krauselisporites punciolus Jansonius 1991 Shang et Li, pl. II,13.
Krauselisporites spinosus Jansonius 1992 Shang et Li, pl.V,18-19.
Kyrtomisporis laevigatus Mädlar 1992 Shang et Li, pl.V,13.
Kyrtomisporites bellus Zhang 1992 Shang et Li, pl.V,6-7.
Kyrtomisporites speciosus Mädlar 1964 1992 Shang et Li, pl.V,8-12; 1991 Shang et Li, pls. II,10; III,19.
Labrorugaspora kuepperi (Klaus) Zhang 1984 1984 Zhang, pl.VIII,1-4.
Labrorugaspora minor Zhang 1984 1984 Zhang, pl.VIII,11-14.

Laevigatosporites ovatus Wilson & Wedster 1946 1983 Bai et al., pls.122,15-16;142,4.
Leiotriletes adrienniformis Nilsson 1984 Zhang, pl.II,34-38.
Leiotriletes hypeniformis Zhang 1984 1984 Zhang, pl.II,39-43.
Lueckisporites cf. junior Klaus 1960 1992 Shang et Li, pl.X,5.
Lueckisporites triassicus Clarke 1965 1983 Bai et al., pl.123,13.
Lunzisorites sparsus Bharadwaj et Singh 1963 1992 Shang et Li, pl.I,30-31.
Lycopodiacidites cerebriformis (Naumova) Liu 1991 Shang et Li, pl. I,13; 1992 Shang et Li, pl.II,15-16.
Lycopodiacidites minus Lu & Wang 1980 1980 Lu et Wang, pl.I,13; 1983 Qu et al., pl.II,12; 1983 Qu et al.,pl.II,12.
Lycopodiacidites rudis (Leschik) Liu 1992 Shang et Li, pl.II,10.
Lycopodiacidites rugulusus (Couper) Schulz 1991 Shang et Li, pls. I,11; III,10.
Lycopodiacidites simplicissimus (Maljavkina) Li 1974 1992 Shang et Li, pl.II,13-14.
Lycopodiacidites sp. 1992 Shang et Li, pl.II,17.
Lycopodiumsporites austroclavalidites (Cookson) Pot. 1956 1983 Bai et al., pl.125,13.
Lycopodiumsporites clavatoides Couper 1958 1992 Shang et Li, pl.II,11-12.
Lycopodiumsporites crassus Zhang 1984 1984 Zhang, pl.V,18,24.
Lycopodiumsporites gracilis Zhang 1984 1984 Zhang, pl.VIII,5-7.
Lycopodiumsporites minus Lu et Wang 1983 Bai et al., pl.125,14.
Marattisporites granulus Zhang 1984 1984 Zhang, pl.II,7-12.
Marattisporites scabratus Couper 1958 1983 Bai et al., pl.122,13-14.
Micrhachium tripinosum (Eisenack) Deunff 1983 Qu et al., pl.III,25.
Mitraesporites triflabella Zhang 1984 1984 Zhang, pl.IX,7-9,12.
Mitraesporites vita Zhang 1984 1984 Zhang, pl.IX,6,18.
Monosulcites perforatus Madler 1992 Shang et Li, pl.IX,1-6.
Monosulcites punctatus Zhang 1984 1984 Zhang, pl.XII,4.
Monosulcites sp. 1992 Shang et Li, pl.IX,15.
Mooreisporites sp. 1992 Shang et Li, pl.VIII,8-9.
Neoraistrickia gristhorpensis (Couper) Tralau 1967 1992 Shang et Li, pl.I,23.
Neoraistrickia sp. 1992 Shang et Li, pl.I,24-25.
Neoraistrickia syndesis Zhang 1984 1984 Zhang, pl.I,1-3,5.
Neoraistrickia taylorii Playford and Dettmann 1992 Shang et Li, pl.I,26-27.
Osmundacidites wellmanii Couper 1953 1984 Zhang, pl.V,5,10-13; 1991 Shang et Li, pl. I,7.
Ovalipollis ovalis Krutzsch 1955 1983 Bai et al., pl.123,4; 1984 Zhang, pl.XVIII,12-15; 1991 Shang et Li, pl. II,23.
Pagiophyllumpollenites szei Chang 1984 Zhang, pl.XII,39.
Papillotriletes sp. 1992 Shang et Li, pl.I28-29.
Parcisporites vescus Shang et Li 1992 1992 Shang et Li, pl.X,8-9.
Pavospora altilis Zhang 1984 1984 Zhang, pl.VII,33,34.
Pavospora orientalis Zhang 1984 Zhang, pl.VII,35-36.
Perotriletes tortuosus Shang et Li 1992 1992 Shang et Li, pl.III,1-2.
Picea weiyuanensis Zhang 1984 1984 Zhang, pl.XIV,1,2,6-8.
Pinus weiyuanensis Zhang 1984 1984 Zhang, pl.XIV,12,14,15.
Pityosporites devolvens Leschik 1984 Zhang, pl.XVI,7-10,17.

Pityosporites globulus Zhang 1984 1984 Zhang, pl.XVI,5.
Platysaccus exiguus Zhang 1984 1984 Zhang, pl.XVIII,26,27.
Platysaccus queenslandi de Jersey 1962 1991 Shang et Li, pl.X,14-15.
Platysaccus sp. 1992 Shang et Li, pl.X,21.
Podocarpites sp. 1983 Bai et al., pl.123,1.
Polycingulatisporites crenulatus Playford et Dettmann 1991 Shang et Li, pl. I,19.
Polycingulatisporites densatus (de Jersey) Playford et Dettmann 1991 Shang et Li, pl. I,12.
Polycingulatisporites mulsiannulusus Shang et Li 1991 1991 Shang et Li, pl. II,6.
Polycingulatisporites tenuis Shang et Li 1991 1991 Shang et Li, pl. II,1-3.
Polycingulatisporites weiyuanensis Zhang 1984 1984 Zhang, pl.VII,21-26.
Polypodiisporites ipsviciensis (de Jersey) Playford et Dettmann 1984 Zhang, pl.II,16,17.
Polypodiisporites sp. 1984 Zhang, pl.X,11.
Protoconiferus ovatus Zhang 1984 1984 Zhang, pl.XIII,4,5.
Protodiploxypinus minor Bjerke et Manum 1977 1992 Shang et Li, pl.X,6-7.
Protopicea sp. 1992 Shang et Li, pl.X,19.
Psophosphaera sp. 1983 Bai et al., pl.123,3.
Pteruchipollenites sp. 1992 Shang et Li, pl.XI,1.
Punctatisporites sporongiformis Shang et Li 1992 1992 Shang et Li, pl.III,6-7.
Punctatisporites weiyuanensis Zhang 1984 1984 Zhang, pl.I,6-8,10.
Quadraeculina anellaeformis Maljavkina 1984 Zhang, pl.XII,36.
Quadraeculina cibisis Zhang 1984 1984 Zhang, pl.XII,43-44.
Quadraeculina humilis Zhang 1984 1984 Zhang, pl.XII,32-35,38.
Reinschospora sp. 1992 Shang et Li, pl. VII,15.
Retusotriletes hercynicus (Mädler 1964) Schuman 1977 1983 Bai et al., pl.125,6.
Ricciisporites tuberculatus Lundblad 1986 Lei, pl.III,23; 1991 Shang et Li, pl. II,24; 1991 Shang et Li, pl. II,24.
Ricciisporites umvonatus Felix & Burbridge 1977 1983 Bai et al., pls.123,6-7;129,9.
Schizosporites globsus Zhang 1984 1984 Zhang, pl.XIX,3,4,6,7.
Schizosporites incrassatus Zhang 1984 1984 Zhang, pl.XIX,20-22.
Schizosporites microreticulatus Bai 1983 1983 Bai et al., pls.130,15;139,3.
Schizosporites oblongus Zhang 1984 1984 Zhang, pl.XIX,8,12-16.
Schzosporis parvus Cookson et Dettmann 1992 Shang et Li, pl.XI,18,20.
Semiresisporis flaccida Shang et Li 1991 1991 Shang et Li, pl. II,17.
Semiresisporis resiculusus Mädler 1991 Shang et Li, pls. II,15; III,13.
Sentisporites ananaformis Zhang 1984 Zhang, pl.IV,28-30,32-36.
Sentisporites setacea Zhang 1984 1984 Zhang, pl.X,12.
Stenozonotriletes sp. 1991 Shang et Li, pl. I,14.
Striatoabietites keuperi (Mädler) Lu & Wang 1983 1983 Bai et al., pl.123,14.
Striatopodocarpites samoilovichii (Jansonius) Shang et Li 1992 1992 Shang et Li, pl.IX,22-23.
Striatopodocarpites sp. 1992 Shang et Li, pl.X,2.
Taeniaesporites fortis Zhang 1984 1984 Zhang, pl.XVIII,2,3.
Taeniaesporites junior (Klaus) Zhang 1984 1984 Zhang, pl.XVIII,4-6; 1992 Tong, pl.87.
Taeniaesporites kraeuseli Leschik 1983 Bai et al., p123,12; 1991 Shang et Li, pl. II,22.
Taeniaesporites libyaensis Kar, Kieser et Jain 1972 1992 Shang et Li, pl.IX,19.

Taeniaesporites quadratus Liu et Zhou 1982 1992 Shang et Li, pl.IX,20.
Tholisporites sp. 1992 Shang et Li, pl.VIII,2.
Tigrinispora abnormis Zhang 1984 1984 Zhang, pl.VI,7,8,13; 1992 Tong, pl.87.
Tigrinispora elegans Chang 1984 Zhang, pls.VI,1-3,5;XXV,2-6.
Tigrinispora gracilis Zhang 1984 1984 Zhang, pl.VI,4,25.
Tigrinispora minuta Zhang 1984 1984 Zhang, pl.VI,24; 1992 Tong, pl.87.
Tigrisporites jonkeri Van Erve 1991 Shang et Li, pl. I,9.
Todisporites minor 1992 Shang et Li, pl.I,2.
Torispota cf. *securis* Balme 1952 1992 Shang et Li, pl.VIII,11.
Toroisporis sp. 1992 Shang et Li, pl.I,3-4.
Tricolpites sp. 1992 Shang et Li, pl.XI,12.
Trileites pinguis Potonie 1983 Qu et al.,pl.IV,8.
Trileites senuosus (Dettmann) Fuglewicz 1983 Qu et al.,pl.IV,6.
Tripartites sp. 1992 Shang et Li, pl.VII,10,13.
Triquitrites incisus Turnau 1970 1992 Shang et Li, pl.VII,17-19.
Triquitrites sinensis Ouyang 1962 1992 Shang et Li, pl.VII,16.
Triquitrites sp. 1992 Shang et Li, pl.VII,12.
Trizonites laevigatus (Schulz) Li et Shang 1992 Shang et Li, pl.V,1-4.
Trizonites reticulatus Li et Shang 1992 Shang et Li, pl.V,3-7.
Uvaesporites minisculus Lu & Wang 1980 1980 Lu et Wang, pl.I,11-12; 1983 Bai et al., pl.121,19-21.
Uvaesporites sp. 1992 Shang et Li, pl.I,11.
Verruciretusispora sp. 1992 Shang et Li, pl.VII,7.
Verrusaccus candidus Lu & Wang 1980 1980 Lu et Wang, pl.III,6; 1983 Bai et al., pls.123,11;129,20-23.
Verrusaccus sichuanensis Lu & Wang 1980 1980 Lu et Wang, pl.III,4-5; 1983 Bai et al., pls.123,8-9; 129,16-19; 1983 Bai et al., pls.123,8-9;129,16-19; 1983 Qu et al., pl.III,19.
Verrutriteles sp. 1992 Shang et Li, pl.VII,2.
Vetrisporites jurassicus Pocock 1992 Shang et Li, pl.X,16-18.
Weiyuanpollenites fasciarius Zhang 1984 Zhang, pl.XVII,6-8.
Xujiahesporites variabilis Yang & Wang 1983 Qu et al.,pl.IV,9.
Zebrasporites laevigatus (Schulz 1962) Schulz 1967 1983 Bai et al., pl.126,22.
Zebrasporites rectus Zhang 1984 1984 Zhang, pl.VII,30-32.
Zebrasporites sp. 1983 Bai et al., pl.121,27.

Norian₂-Rhaetian (52 Sections Studied)

Xizang (1982 Shang, the 1st Section of Erdaohe, Anduo County, 3 Samples, Tumengela Formation; 1998 Shang, Anduo, Tumengela Formation)
Alisporites parvus de Jersey 1962 1982 Shang, pl.IV,4.
Alisporites sp. 1982 Shang, pl.IV,III,31.
Angiopteridaspora denticulata Chang 1965 1982 Shang, pl.II,16.
Calamospora mesozoica Couper 1958 1982 Shang, pl.I,11-13.
Calamospora stella Shang 1982 1982 Shang, pl.I,14-18.

Chasmatosporites apertus Nilsson 1998 Shang, pl.II,3.
Chasmatosporites hians Nilsson 1958 1982 Shang, pl.III,17-19.
Chasmatosporites mirabilis Shang 1986 1982 Shang, pl.III,20.
Classopollis annulatus (Verbitzkaja) Li 1974 1982 Shang, pl.III,9,10.
Classopollis xizangensis Shang 1986 1982 Shang, pl.III,11-16.
Conbaculatisporites modestus Shang 1986 1982 Shang, pl.II,4.
Concavisporites bohemiensis Thiergart 1953 1982 Shang, pl.II,15.
Concavisporites toralis (Leschik) Nilsson 1958 1982 Shang, pl.I,3-6.
Cryptomeriapollenites togmeensis Shang 1986 1982 Shang, pl.IV,8-11.
Cyathidites minor Couper 1953 1982 Shang, pl.I,1,2.
Cycadopites reticulatus (Nilsson) Shang 1986 1982 Shang, pl.III,7.
Cycadopites sp. 1982 Shang, pl.III,8.
Cyclotriletes sp. 1982 Shang, pl.II,9.
Densosporites xujiaheensis (Li) Shang 1982 1982 Shang, pl.III,1.
Dictyophyllidites harrisii Couper 1958 1982 Shang, pl.I,7-10.
Duplexisporites gyratus Playford & Dettmann 1965 1982 Shang, pl.III,3.
Duplexisporites sp. 1982 Shang, pl.III,4.
Falcisporites sp. 1982 Shang, pl.IV,6.
Foveosporites elegans Shang 1986 1982 Shang, pl.II,17.
Klausipollenites decipiens Jansonius 1962 1982 Shang, pl.IV,5.
Kyrtomispuris laevigatus Mädlar 1964 1982 Shang, pl.III,2.
Lunzisporites delicatulus Shang 1986 1982 Shang, pl.I,22-26.
Lunzisporites lunzensis Bharadwaj & Singh 1963 1982 Shang, pl.II,1.
Lunzisporites pallidus Bharadwaj & Singh 1963 1982 Shang, pl.II,2,3.
Microreticulatisporites opacus (Leschik) Klaus 1960 1982 Shang, pl.II,12,13.
Osmundacidites parvus de Jersey 1962 1982 Shang, pl.II,8.
Ovalipollis breviformis Krutzsch 1955
Ovalipollis ovalis Krutzsch 1955 1982 Shang, pl.III,25-28.
Peroaletes stabilis Shang 1986 1982 Shang, pl.IV,14-16.
Piceites lateens Bolchovitina 1956 1982 Shang, pl.IV,3.
Pinuspollenites pernobilis (Bolchovitina) Shang 1986 1982 Shang, pl.IV,1,2.
Polycingulatisporites sp. 1982 Shang, pl.III,5.
Protohaploxypinus cf. *minor* (Klaus) Shang 1986 1982 Shang, pl.III,29.
Pteruchipollenites thomasii Couper 1958 1982 Shang, pl.IV,7.
Quadraeculina anellaeformis Maliawkina 1949 1982 Shang, pl.IV,12.
Reticulatisporites amdoensis Shang 1986 1982 Shang, pl.II,14,18-20.
Rugulatisporites cf. *ramosus* de Jersey 1959 1982 Shang, pl.II,10(cf.).
Rugulatisporites sp. 1982 Shang, pl.II,11.
Sulcatopites bharadwaji Jain 1968 1982 Shang, pl.III,6.
Todisporites major Couper 1958 1982 Shang, pl.I,20.
Todisporites minor Couper 1958 1982 Shang, pl.I,19.
Triadispora staplini (Jansonius) Klaus 1964 1982 Shang, pl.III,30.

Guangxi (1987 Qian et Wu, Shiwandashan Field, Fulong'ao Formation; 1998 Liu et al.,

Xilongcun Section, Guilin City)

Abietinaepollenites...

Abietinaepollenites sp.1 1998 Liu et al.,p.121.pl.I,126.

Abietinaepollenites sp.2 1998 Liu et al.,p.121.pl.II,13, 21, 22.

Alisporites...

Alisporites sp. 1998 Liu et al.,p.121.pl.II,8.

Alisporites australis De Jersey 1998 Liu et al.,p.121.pl.II,6, 10, 11, 14.

Alisporites parvus De Jersey 1998 Liu et al.,p.121.pl.I,27, 30, 32.

Alisporites rotundus Rouse 1998 Liu et al.,p.121.pl.II,9, 15.

Anapiculatisporites minor Butterworth et Williams 1958 1987 Qian et Wu, pl.39,1,2.

Annulispora sp. 1987 Qian et Wu, pl.39,5,6,10,11.

Asseretospora ...

Asseretospora gyrata (Playford et Dettmann) Schuurman 1998 Liu et al.,p.121.pl.I,4- 6, 8- 10.

Auritulinasporites cf. *intratus* Nilsson 1968 1987 Qian et Wu, pl.38,10.

Cadargasporites baculatus Jersey et Paten 1964 1987 Qian et Wu, pl.39,13.

Calamospora klausii Bharad. et Singh 1964 1987 Qian et Wu, pl.38,30.

Calamospora nathorstii (Hall) Klaus 1960 1987 Qian et Wu, pl.38,31.

Chasmatosporites...

Chasmatosporites sp. 1987 Qian et Wu, pl.40,18.

Chasmatosporites apertus (Rog.) Nilsson 1998 Liu et al.,p.121.pl.I,15- 19, 23, 28, 29.

Chasmatosporites minor Nilsson 1998 Liu et al.,p.121.pl.I,22, 24, 25.

Cibotiumspora granulatus (Kamyai) Qian et Wu 1987 Qian et Wu, pl.22,16,20.

Cibotiumspora juncta (Kara-Murza) Zhang 1978 1987 Qian et Wu, pls.27,22;22,18.

Classopollis minor Pocock et Jansonius 1961 1987 Qian et Wu, pl.40,31,32.

Concavisporites sp. 1987 Qian et Wu, pl.38,8.

Concavisporites lunzensis (Klaus) Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.38,4,5.

Concavisporites toralis (Leschik) Nilsson 1958 1987 Qian et Wu, pl.38,7.

Concavisporites umbonatus (Bolch. 1953) comb. Arjang 1975 1987 Qian et Wu, pls.27,26;38,6.

Cycadopites adjectus (Jersey) Jersey 1964 1987 Qian et Wu, pl.40,13.

Cycadopites argentinus Herbst 1965 1987 Qian et Wu, pl.40,14,15.

Cycadopites granulatus (Jersey) Jersey 1964 1987 Qian et Wu, pl.40,11,12.

Cycadopites potonie Bharad. et Singh 1963 1987 Qian et Wu, pl.40,10.

Cycadopites subgranulosus (Couper) Bharad. et Singh 1964 1987 Qian et Wu, pl.40,9.

Cyclogranisporites sp. 1987 Qian et Wu, pl.38,32.

Deltoidospora sp. 1987 Qian et Wu, pl.38,1-3.

Dictyophyllidites...

Dictyophyllidites sp. 1987 Qian et Wu, pl.38,9.

Dictyophyllidites harrisii Couper 1998 Liu et al.,p.121.pl.I,1.

Ginkgocycadophytus...

Ginkgocycadophytus nitidus (Balme) De Jersey 1998 Liu et al.,p.121.pl.I,21.

Glanuloperculatipollis sp. 1987 Qian et Wu, pl.40,22,24,27-30.

Glanuloperculatipollis rudis (Venkatachala et Goczen) emend. Morbey 1975 1987 Qian et Wu, pl.40,25,26.

Granulatisporites minor Jersey 1962 1987 Qian et Wu, pl.39,3.

Granulatisporites pustulatus Hacquebard et Barss 1957 1987 Qian et Wu, pl.39,4.
Granuloperculatipollis rudis (Venkatachala et Goczan) emend. Morbey 1975 1987 Qian et Wu, pl.40,25-26.
Granasporites sp. 1987 Qian et Wu, pl.40,6.
Granasporites minus Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.40,7,8.
Jiangxisporites anyuanensis Qian et Wu 1979 1987 Qian et Wu, pl.39,9.
Lakhnavitriletes cf. *baculosus* Maheshwari 1974 1987 Qian et Wu, pl.38,22.
Lakhnavitriletes bansaensis Maheshwari 1974 1987 Qian et Wu, pl.38,15-17,19,21(cf.)
Lakhnavitriletes granularis (Qian, Zhao et Wu) 1987 Qian et Wu, pls.38,13; 41,19.
Lakhnavitriletes microgranulus (Qian, Zhao et Wu) 1987 Qian et Wu, pl.38,14,20.
Lunzisporites...
Lunzisporites sp. 1998 Liu et al.,p.121.pl.I,2,3.
Lophotriletes...
Lophotriletes sp. 1998 Liu et al.,p.121.pl.I,11- 14.
Marattisporites cf. *scabratus* Couper 1958 1987 Qian et Wu, pl.39,14,15.
Marsupipollenites sp. 1987 Qian et Wu, pl.40,20,21.
Monosulcites sp. 1987 Qian et Wu, pl.40,16.
Monosulcites schizocolpatus Jain 1968 1987 Qian et Wu, pl.40,17.
Neoraistrickia taylorii Playford et Dettmann 1965 1987 Qian et Wu, pl.38,23,24.
Nevesisporites sp. 1987 Qian et Wu, pl.39,12.
Quadraeculina ...
Quadraeculina anellaeformis M al. 1998 Liu et al.,p.121.pl.I,31, 34- 37; II,12,16.
Osmundacidites wellmanii Couper 1953 1987 Qian et Wu, pl.39,7.
Ovalipollis ...
Ovalipollis breviformis Krutzsch 1955 1987 Qian et Wu, pl.39,30.
Ovalipollis ovalis Krutzsch 1998 Liu et al.,p.121.pl.II,1- 5.
Pseudopicea ...
Pseudopicea variabiliformis (M al.) Bolch. 1998 Liu et al.,p.121.pl.II,17.
Pinuspollenites ...
Pinuspollenites sp. 1998 Liu et al.,p.121.pl.II,18, 19.
Pseudopicea ...
Pseudopicea rotundiformis (Mal.) Bolch. 1998 Liu et al.,p.121.pl.II,20.
Psophosphaera flavas (Leschik) Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.40,3,5.
Podocarpidites...
Podocarpidites minutes Wang 1998 Liu et al.,p.121.pl.I,33.
Punctatisporites sp. 1987 Qian et Wu, pl.38,25.
Punctatisporites planus Haoquebard 1967 1987 Qian et Wu, pl.38,26.
Quadraeculina minor (Pocock) Qu et Zhang 1980 1987 Qian et Wu, pl.39,24.
Stereisporites...
Stereisporites sp. 1998 Liu et al.,p.121.pl.I,20.
Striatopodocarpites sp. 1987 Qian et Wu, pl.40,1,2.
Taeniaesporites ...
Taeniaesporites albertae Jansonius 1998 Liu et al.,p.121.pl.II,7.
Todisporites sp. 1987 Qian et Wu, pl.38,27,28,33.

Vitreisporites cf. *itunensis* Pocock 1970 1987 Qian et Wu, pl.39,16,20.
Vitreisporites subtilis (Jersey) Jersey 1987 Qian et Wu, pl.39,17.
Vitreisporites cf. *rolundus* Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.39,19.

Guizhou (1998 Shang, Langdai, Huobachong Formation; 1983 Bai et al., Langdai, Huobachong Formation; Bayu, Daozhen, Xujiahe Formation)

Acanthotriletes conicus Li 1974 1983 Bai et al., pl.124,20.
Acanthotriletes flaccidus Bai 1983 1983 Bai et al., pl.124,24.
Accinctisporites ligatus Leschik 1955 1983 Bai et al., pl.132,17.
Alisporites australis de Jersey 1962 1983 Bai et al., pls.131,13;135,25.
Alisporites lowoodensis de Jersey 1963 1983 Bai et al., pl.131,17.
Alisporites nuthallensis Clarke 1965 1983 Bai et al., pl.131,16.
Annulispora folliculasa (Rogalska 1954) de Jersey 1959 1983 Bai et al., pls. 121,22-23;126,9.
Annulispora hastata Bai 1983 1983 Bai et al., pl.123,1-2.
Annulispora tricamura Bai 1983 1983 Bai et al., pl.123,3-4.
Anapiculatisporites telephorus (Pautsch) Klaus 1998 Shang, pl.I,4.
Aratrisporites palettae (Klaus 1960) Playford & Dettmann 1965 1983 Bai et al., pl.128,18.
Aratrisporites tenuisposus Playford 1965 1983 Bai et al., pl.128,19.
Aratrisporites xiangxiensis Li & Shang 1980 1983 Bai et al., pl.128,16.
Araucariacites australis Cookson 1947 1983 Bai et al., pls.128,30;134,27.
Baculatisporites sp. 1983 Bai et al., pl.124,30.
Biretisporites potoniaei Delcourt & Sprumont 1955 1983 Bai et al., pls.124,8;134,7;143,15.
Calamospora mesozoica Couper 1998 Shang, pl.I,1.
Calamospora tricristata Li 1974 1983 Bai et al., pl.124,22.
Camarozonosporites rudis (Leschik 1955) Klaus 1960 1983 Bai et al., pls.121,18;126,26.
Camerosporites margarites Bai & Lu 1983 1983 Bai et al., pl.129,12-13.
Camerosporites verrucosus (de Jersey 1964) de Jersey 1970 1983 Bai et al., pl.129,11.
Canalizonospora canaliculata Li 1974 1983 Bai et al., pl.127,9-10.
Canalizonospora originala Lu & Bai 1983 1983 Bai et al., pl.127,11-12.
Chasmatosporites sp. 1983 Bai et al., pl.128,28-29.
Chasmatosporites magnoloides (Erdtman 1948) Nilsson 1958 1983 Bai et al., pl.130,3-6.
Clathroidites clavatus (Lei 1978) Bai 1983 1983 Bai et al., pl.124,19.
Clathroidites papulosus Bai 1983 1983 Bai et al., pls.121,8-9;124,17-18;134,1-2.
Clavifera triplex (Bolchovitina 1953) Bolchovitina 1968 1983 Bai et al., pl.124,7.
Conbaculatisporites variegatus Bai 1983 1983 Bai et al., pl.124,21-22.
Concavisorites crassexinius Nilsson 1958 1983 Bai et al., pl.124,15.
Concavisorites jurenensis Balme 1957 1983 Bai et al., pl.124,16.
Concavissimisporites varius Bai 1983 1983 Bai et al., pl.125,7-8.
Conipollenites minimus Bai 1983 1983 Bai et al., pl.125,11-12.
Cyathidites breviradiatus Helby 1967 1983 Bai et al., pl.124,2.
Cycadopites fusiformis (Nilsson) Arjang 1998 Shang, pl.II,6.
Cycadopites reticulates (Nilsson 1958) Li & Shang 1980 1983 Bai et al., pl.128,24.
Cyclogranisporites multigranus Smith & Butterworth 1967 1983 Bai et al., pl.125,5.
Decussatisporites delineates Leschik 1955 1983 Bai et al., pl.128,27.

Densosporites fissus (Reinhardt 1964) Schulz 1967 1983 Bai et al., pl.125,19.
Dictyophyllidites cymbotus Venkatachala 1983 Bai et al., pl.124,11.
Duplexisporites gyratus Playford & Dettmann 1965 1983 Bai et al.,
 pls.127,15-17;134,10;137,33-34.
Falcisporites stabilis Balme 1970 1983 Bai et al., pl.131,8.
Gleicheniidites senonicus Ross 1949 1983 Bai et al., pls.124,6;133,32.
Granosaccus sulcatus Mädler 1998 Shang, pl.II,7,8.
Hsuisporites multiradiatus (Vervitskaja 1962) Zhang 1965 1983 Bai et al., pl.127,24.
Kraeuselisporites conus Bai 1983 1983 Bai et al., pl.127,21.
Kyrtomispuris coronarius (Chang 1974) Li & Shang 1980 1983 Bai et al., pl.127,7-8.
Kyrtomispuris laevigatus Mädler 1983 Bai et al., pls.127,1-2;134,3.
Kyrtomispuris speciosus Mädler 1998 Shang, pl.I,14.
Limbosporites lundbladii Nilsson 1958 1983 Bai et al., pl.126,16-18.
Limbosporites microfoveatus (Zhang 1978) Bai 1983 1983 Bai et al., pl.126,19-21.
Lueckisporites sp. 1998 Shang, pl.II,17.
Lueckisporites junior Klaus 1960 1983 Bai et al., pl.132,4.
Lueckisporites langdaiensis Bai 1983 1983 Bai et al., pl.132,3.
Lundbladispورا cratilaesurata Bai 1983 1983 Bai et al., pl.126,30.
Lundbladispورا rugosa Bai 1983 1983 Bai et al., pl.126,31.
Lunzispurites lunzensis Bharadwaj et Singh 1998 Shang, pl.I,7.
Lycopodiacidites regularis Bai 1983 1983 Bai et al., pl.125,23.
Lycopodiacidites rudis (Leschik) Klaus 1998 Shang, pl.I,9.
Lycopodiumsporites austroclavatidites (Cookson 1955) Potonie 1956 1983 Bai et al., pls.125,13;
 137,20.
Monosulcites sp. 1983 Bai et al., pl.128,25.
Monosulcites abiens Bai 1983 1983 Bai et al., pl.128,26.
Osmundacidites wellmanii Couper 1953 1983 Bai et al., pls.121,7;125,2;137,12;159,24.
Ovalipollis breviformis Krutzsch 1955 1983 Bai et al., pl.130,20.
Ovalipollis grebeae Klaus 1960 1983 Bai et al., pls.130,19; 131,5-6.
Ovalipollis magnus Bai 1983 Bai et al., pl.130,21.
Ovalipollis ovalis Krutzsch 1955 1983 Bai et al., pls.123,4;130,17;131,2.
Ovalipollis rarus Klaus 1960 1983 Bai et al., pl.131,1.
Ovalipollis rotundus Lei 1978 1983 Bai et al., pl.130,23.
Platysaccus queenslandi de Jersey 1962 1983 Bai et al., pls.131,12;135,22.
Podocarpidites multicus (Bolchovitina 1956) Pocock 1970 1983 Bai et al., pls.131,11;135,24.
Polycingulatisporites crenulatus Playford & Dettmann 1965 1983 Bai et al., pl.126,13.
Polycingulatisporites densatus (de Jersey) Playford & Dettmann 1965 1983 Bai et al., pl.126,12.
Polycingulatisporites mooniensis de Jersey & Paten 1964 1983 Bai et al., pl.126,14.
Protohaploxypinus microcorpus (Schaarchmidt) Clarke 1983 Bai et al., pl.132,5,8.
Protopodocarpus mollis Bolchovitina 1956 1983 Bai et al., pl.131,10.
Protopodocarpus monstificabilis Bolchovitina 1956 1983 Bai et al., pl.131,9.
Psophosphaera sp. 1983 Bai et al., pls.128,31;134,28.
Psophosphaera bullulinaeformis (Maljawkina 1949) Zhang 1978 1983 Bai et al., pl.130,2.
Punctatisporites parvigranulosus Leschik 1955 1983 Bai et al., pl.125,1.

Quadraeculina anellaeformis Maljawkina 1949 1983 Bai et al., pls.132,1;136,12-17;139,5-7.
Ricciisporites spatiosus Bai 1983 1983 Bai et al., pl.129,4-5.
Ricciisporites sinensis Bai 1983 1983 Bai et al., pl.129,7-8.
Ricciisporites tuberculatus Lundblad 1998 Shang, pl.II,4,5.
Ricciisporites umbonatus Felix & Burbrige 1977 1983 Bai et al., pls.123,6-7;129,9.
Rogalskaisporites ambientis (Li & Shang 1980) Bai 1983 1983 Bai et al., pl.126,15.
Striatoabietites monstuous Bai 1983 1983 Bai et al., pl.132,9.
Tigrisporites jonkeri Van Erve 1977 1983 Bai et al., pl.125,15-16.
Todisporites minor Couper 1958 1983 Bai et al., pls.124,5;140,7-8.
Tuberculatosporites papulosus Bai 1983 1983 Bai et al., pl.128,13.
Verrusaccus rarus Schulz 1998 Shang, pl.II,9,10.
Vesicaspora wilsonii Schemel 1951 1983 Bai et al., pl.132,15.
Zembrasporites interscriptus (Thiergart 1949) 1983 Bai et al., pl.126,24.

Hunan (1982 Jiang, Huashi, Zhuzhou County; Shimenkou, Liling County, Sanqitian Formation; 1983 Qian et al., Shimenkou, Shimenkou Section; 1998 Shang, Hengyang, Yangbaichong Formation)

Alisporites (Dougherty) Potonié et Kremp 1956
Alisporites australis de Jersey 1982 Jiang, pls.423,11-13;425,10.
Alisporites thomasi (Couper) Nilsson 1958 1983 Qian et al.,pl.IX,1-3.
Calamospora nathorstii (Halle) Klaus 1982 Jiang, pl.420,27.
Chasmatosporites (Nilsson) Pocock et Jansonius 1965
Chasmatosporites apertus (Roglaska) Nilsson 1982 Jiang, pls.421,18-22;424,36.
Chasmatosporites major (Nilsson, 1958) emend. Pocock et Jansonius 1969 1983 Qian et al,pl.12,7,8.
Chasmatosporites hians Nilsson 1982 Jiang, pl.421,23-26.
Chordasporites australiensis Jersey 1962 1983 Qian et al.,pl.VII,12,13.
Cibotiumspora Chang 1965
Cibotiumspora sp. 1982 Jiang, pl.420,7.
Concavisporites (Pflug) Delcourt et Sprumont 1955
Concavisporites lilingensis Jinag 1982 1982 Jiang, pl.420,10-13.
Concavisporites minor Jiang 1982 1982 Jiang, pls.420,23-24; 424,11.
Cyathidites australis Couper 1982 Jiang, pls.420,8; 424,2-4.
Cyathidites minor Couper 1982 Jiang, pls.420,9; 424,5-6; 426,6;431,1-3.
Cycadopites (*Entylissa*) *reticulata* (Nilsson) comb. Behrouz 1975 1983 Qian et al.,pl.XI,18-21.
Cycadopites (Wodehouse) Wilson et Webster 1946
Cycadopites granulatus Jiang 1982 1982 Jiang, pl421,8-11.
Cycadopites labrosus (Bolikh.) Chen 1982 Jiang, pl.421,13-17.
Cycadopites minor Jiang 1982 1982 Jiang, pls.421,1-3;424,23.
Cycadopites reticulatus Zhang 1982 Jiang, pl.421,6-7.
Cycadopites sp. 1982 Jiang, pl.421,4.
Cyclogranisporites cf. *congestus* Leschik 1955 1983 Qian et al., pl.2,6.
Deltoidospora (Miner) Potonié 1956
Deltoidospora microlepioites (Krutzsck) Wang 1982 Jiang, pl.420,1-3.

Deltoidospora regularis (Pflug) Sung & Zheng 1982 Jiang, pl.420,4-6.
Dictyophyllidites Couper 1958
Dictyophyllidites harrisii Couper 1982 Jiang, pl.420,14,17-21.
Duplexisporites (Den'k) Playford et Dettmann 1965
Duplexisporites problematicus (Couper) Playford et Dettmann 1965 1983 Qian et al.,
 pl.III,12,13.
Endosporites Wils. et Coe. 1940
Endosporites orientalsi Qian et al. 1983 1983 Qian et al.,pl.VI,1-6.
Ginkgocycadophytus Samoilowitz 1953
Ginkgocycadophytus nitodus (Balme) de Jersey 1982 Jiang, pls.421,5;424,24.
Gleicheniidites (Ross) Delcourt et Sprumont 1955
Gleicheniidites senonicus Ross 1982 Jiang, pl.420,15-16.
Gliscopollis meyeriana (Klaus 1960) Venkatachala 1966 1983 Qian et al.,pl.XIII,20,21.
Gliscopollis Venkatachala 1965
Granamegamonocolpites fusiformis Qian et al. 1983 1983 Qian et al.,pl.XII,1-3.
Granamegamonocolpites Jain 1968
Granasporites Alpern 1959
Granasporites magnus Qian et al. 1983 1983 Qian et al.,pl.XI,4-7.
Lueckisporites (Pot. & Klaus) emend. R. Potonié 1958
Lueckisporites sp. 1982 Jiang, pl.423,1.
Microfoveolatispora Bharad 1962
Microfoveolatispora sp. 1983 Qian et al.,pl.II,28.
Monosulcites (Erdtman 1947, Cookson 1947) ex Couper 1953
Monosulcites granulatus Zhang 1982 Jiang, pl.421,12.
Monosulcites sp. 1983 Qian et al.,pl.XI,24-27.
Monosulcites schisocolpatus Jain 1968 1983 Qian et al.,pl.11,22.
Ovalipollis (Krutzschn) emend. Pocock et Jansonius 1968
Ovalipollis breviformis Krutzschn 1955 1983 Qian et al.,pl.VII,10,11; 1998 Shang, pl.II,19.
Ovalipollis ovalis Krutzschn 1982 Jiang, pl.423,2-5.
Ovalipollis yunnanensis Lei 1982 Jiang, pl.423,6.
Pinuspollenites (Pollenites) labdacus (Pot. 1937) Raatz 1937
Pinuspollenites alatipollenites (Rouse) Qian et al. 1983 1983 Qian et al.,pl.IX,6,7.
Pinuspollenites sp. 1982 Jiang, pl.423,16-17,19.
Podocarpidites (Cookson) emend. R. Potonié
Podocarpidites sp. 1982 Jiang, pl.423,18.
Polycingulatisporites (Simonesics et Kedves 1961) emend. Playford et Dettmann
 1965
Polycingulatisporites mooniensis Jersey 1964 1983 Qian et al.,pl.V,10.
Protohaploxylinus (Samoilovich) Hart 1963
Protohaploxylinus sewardi (Virkki) Hart 1963 1983 Qian et al.,pl.VII,5.
Protohaploxylinus sp. 1983 Qian et al.,pl.VIII,4.
Protopinus (Bolkhovitina) Bolkhovitina 1956
Protopinus hunanensis Jiang 1982 1982 Jiang, pl.423,9-10.
Pseudowalchia Bolkhovitina 1952

Pseudowalchia biangulina (Maljarikina) Bolkhovitina 1982 Jiang, pl.423,20.
Psophosphaera (Naumova) Potonié 1958
Psophosphaera glbrus (Maljavkina) Bolkhovitina 1982 Jiang, pl.422,11,13.
Psophosphaera yimaensis Zhang 1982 Jiang, pl.422,6-7,9(cf.).
Punctamonoaperturites Jain 1968
Punctamonoaperturites sp. 1983 Qian et al.,pl.XIII,16,17.
Punctatosporites Ibrahim 1933
Punctatosporites sp. 1982 Jiang, pl.420,22; 1983 Qian et al.,pl.13,18.
Quadraeculina (Maljavkina) Pocock 1970
Quadraeculina limbata Maljavkina 1949 1982 Jiang, pls.422,1,4,10;425,1-2; 1983 Qian et al.,pls.VI,17,18;
 VII,1,4.
Quadraeculina minor (Pocock) Qian et al. 1983 1983 Qian et al.,pl.VII,2,3.
Quadraeculina quadrata Jiang 1982 1982 Jiang, pl.422,5,8,12.
Quadraeculina sp. 1982 Jiang, pl.422,2-3.
Ovalipollis breviformis Krutsch 1983 Qian et al.,pl.7,10,11; 1998 Shang, pl.II,19.
Ovalipollis ovalis Krutzsch 1982 Jiang, pl.423,2-5.
Ovalipollis yunnanensis Lei 1982 Jiang, pl.423,6.
Ricciisporites (Lundblad 1954) emend. Lundblad 1959
Ricciisporites tuberculatus (Lundblad 1954) Lundblad 1959 1982 Jiang, pl.420,25; 1983 Qian et al.,pl.XIII,22-25.
Striatopodocarpites sp. 1983 Qian et al.,pl.8,3.
Taeniaesporites (Leschik) Jansonius 1962
Taeniaesporites cf. *hexagonalis* Jansonius 1962 1983 Qian et al.,pl.VII,19,20.
Taeniaesporites libyaensis Kar, Kieser et Jain 1998 Shang, pl.II,13.
Taeniaesporites noviaulensis Leschik 1982 Jiang, pl.423,7-8.
Taeniaesporites rhaeticus Schulz 1967 1983 Qian et al.,pl.VII,15-18.
Taeniaesporites transversundatus Jansonius 1962 1983 Qian et al.,pl.VIII,1(cf.).
Vesicaspora Schemel 1951
Vesicaspora sp. 1982 Jiang, pl.423,15.
Vitreisporites (Leschik) Jansonius 1962
Vitreisporites pallidus (Reissinger) Nilsson 1982 Jiang, pl.423,14.
Vitreisporites rotundus Qian et al. 1983 1983 Qian et al.,pl.VIII,11,12,15.

Hubei (1980 Li et Shang, Xiangxi, Zigui County, Shazhenxi Formation; 1998 Shang, Zigui, Shazhenxi Formation; 1987 Qu et al., Xingshan, Shaxizhen Formation; 1987 Qian et Wu, Kuzhuqiao Coal Field, Puqi City, Jigongshan Formation; Xiangxi, Zigui County, Shazhenxi Formation; 1987 Qu et Zhang, Gengjiahe and Daxiakou, Xingshan County, Shazhenxi Formation; 1978 Zhang, Shu'an, Wuchang County; Kuzhuqiao, Puqi City)

Abiespollenites sp. 1987 Qian et Wu, pl.35,15.
Acanthotriletes (Naum. 1939) Potonié & Kremp 1955
Acanthotriletes conicus Li 1987 Qu et Zhang,pl.40,44.
Acanthotriletes microspinosus (Ibrahim) Potonié & Kremp 1987 Qu et Zhang,pl.41,1.
Alisporites (Daugherty 1941) Rouse 1959

Alisporites sp. 1987 Qian et Wu, pl.32,10,11.
Alisporites australis de Jersey 1987 Qu et Zhang, pl.42,6.
Alisporites nuthallensis Clarke 1987 Qu et Zhang, pl.42,26.
Alisporites parvus de Jersey 1987 Qu et Zhang, pl.42,20.
Alisporites toralis (Leschik) Clarke 1978 Zhang, pl.133,16.
Acanthotriletes sp. 1987 Qian et Wu, pl.27,37.
Acanthotriletes conicus Li 1978 Zhang, pl.128,17-18.
Acanthotriletes ovalis Nilsson 1958 1987 Qian et Wu, pl.28,24.
Acanthotriletes retiformis Qu & Zhang 1987 Qu et Zhang, pl.40,33-34.
Acanthotriletes tereteangulatus Balme et Hennely 1956 1987 Qian et Wu, pl.27,34.
Acanthotriletes ilekensis Kopytova 1978 Zhang, pl.130,22.
Acanthotriletes uninatus Chang (MS) 1978 Zhang, pl.128,15-16.
Alisporites australis Jersey 1962 1987 Qian et Wu, pl.35,12.
Annulispora folliculosa (Rogalska) de Jersey 1987 Qu et Zhang, pl.41,6.
Annulispora microannulata de Jersey 1987 Qu et Zhang, pls.38,3;41,7.
Annulispora puncta (Klaus) Ashraf 1977 1987 Qian et Wu, pl.28,26.
Annulispora punctus Klaus 1960 1987 Qian et Wu, pl.31,7.
Annulispora puqiensis Zhang 1978 1978 Zhang, pl.129,14-15.
Anticapipollis sp. 1987 Qian et Wu, pl.32,3.
Apiculatisporis Potonié & Kremp 1956
Apiculatisporis cornutus (Balme & Hennely) Qu & Zhang 1987 1987 Qu et Zhang, pl.40,41.
Apiculatisporis spiniger (Leschik) Qu 1987 Qu et Zhang, pls.38,4;40,40.
Aratrisporites (Leschik 1955) Playford & Dettmann 1965
Aratrisporites fischeri (Klaus) Playford & Dettmann 1987 Qu et Zhang, pls.38,12,24;42,4.
Aratrisporites granulatus (Klaus) Playford & Dettmann 1987 Qu et Zhang, pl.42,2.
Aratrisporites parvispinosus (Leschik) emend. Playford 1965 1987 Qian et Wu, pl.28,36.
Auritulasporites sp. 1987 Qian et Wu, pl.27,14.
Baculatisporites Thomson & Pflug 1953
Baculatisporites sp. 1987 Qian et Wu, pl.27,29,30.
Baculatisporites camaumensis (Cookson) Potonié 1987 Qu et Zhang, pls.40,14;43,23.
Baculatisporites oppressus (Leschik) Lund 1987 Qu et Zhang, pl.40,15(cf.).
Biretisporites introreticulatus Zhang 1978 1978 Zhang, pl.127,25.
Biretisporites potoniaei Delcourt et Sprumont 1978 Zhang, pl.127,26-27.
Brochotriletes ambientis Li et Shang 1998 Shang, pl.I,5.
Cadargasporites de Jersey & Paten 1964 1987 Qu et Zhang, pl.40,48.
Camarozonosporites Pant ex Potonié 1956
Camarozonosporites interscriptus (Thiergart) Li 1978 Zhang, pl.129,13.
Camarozonosporites kuzhuqiaoensis Zhang 1978 1978 Zhang, pl.129,20.
Camarozonosporites microfoveatus Zhang 1978 1978 Zhang, pl.129,18-19.
Camarozonosporites rudis (Leschik) Klaus 1987 Qu et Zhang, pl.41,15.
Callialasporites infulatus Zhang et Xu (MS) 1978 Zhang, pl.128,27.
Canalizonospora canaliculata Li & Shang 1987 Qu et al., pl.I,16.
Canalizonospora nasserii (Ashraf) Qu, Zhang W. P. & Zhang 1987 1987 Qu et Zhang, pls.41,33;44,10.

Carnisporites sp. 1987 Qian et Wu, pl.27,28.
Caytonipollenites Couper 1958
Caytonipollenites pallidus (Reiss.) Couper 1987 Qu et Zhang, pls.42,13;46,31..
Caytonipollenites shouldicei (Pocock) Qu & Zhang 1987 1987 Qu et Zhang, pl.42,12.
Cerebropollenites sp. 1987 Qian et Wu, pl.35,7-9,10,11.
Chasmatosporites Nilsson 1958
Chasmatosporites sp. 1980 Li et Shang, pl.II,11.
Chasmatosporites apertus (Rogalska) Nilsson 1987 Qu et al., pls.42,9;45,4.
Chasmatosporites classoformis Zhang 1978 1978 Zhang, pl.132,16.
Chasmatosporites hians Nilsson 1987 Qu et al., pl.42,8.
Chasmatosporites magnolioides (Erdtman) Nilsson 1958 1987 Qian et Wu, pl.29,1.
Chasmatosporites pardinus Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.29,5.
Chasmatosporites triquetus Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.35,2.
Chasmatosporites verrucolosus Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.29,3.
Chasmatosporites xiwanensis Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.29,4.
Chordasporites australiensis Jersey 1962 1987 Qian et Wu, pl.29,7.
Chordasporites pseudostriatus (Kopytova) 1978 Zhang, pl.135,9.
Cibotiumspora Chang 1965
Cibotiumspora juncta (Kara-Murza) Zhang 1978 1987 Qian et Wu, pls.27,22;22,18.
Cibotiumspora jurensis (Balme) John 1975 1987 Qian et Wu, pl.27,12,13,18.
Cibotiumspora shuanensis (Zhang) Qian et Wu 1987 1987 Qian et Wu, pl.27,19.
Cibotiumspora tuberculata Chang 1965 1987 Qian et Wu, pl.27,10.
Cingulizonates (Dybova & Jachowicz 1957) Butterworth, Jansonius, Smith & Staplin 1964
Cingulizonates rhaeticus (Rein.) Schulz. 1987 Qu et Zhang, pl.41,37.
Clacifera taberosa Bolkhovitina 1978 Zhang, pl.127,4.
Conalizonospora cansliculata Li 1980 Li et Shang, pl.I,28.
Conbaculatisporites Klaus 1960
Conbaculatisporites cf. *mesozoicus* Klaus 1987 Qu et Zhang, pls.40,36;43,25.
Concavisporites (Pflug 1952) Del. & Spru. 1955
Concavisporites bohemiensis Thiergart 1987 Qu et Zhang, pl.40,16.
Concavisporites crassexinius Nilsson 1958 1987 Qian et Wu, pls.22,13;27,17;33,7.
Concavisporites granulatus Kimyai 1978 Zhang, pl.127,16.
Concavisporites intrastratus (Nilsson) Li & Shang 1987 Qu et Zhang, pl.40,21.
Concavisporites kermanensis Arjang 1975 1987 Qian et Wu, pls.27,16;30,8,9.
Concavisporites juriensis Balme 1987 Qu et Zhang, pls.40,20;43,21.
Concavisporites lunzensis (Klaus) Qian, Zhao et Wu 1933 1987 Qian et Wu, pl.33,6.
Concavisporites raetoliassicus Helmar 1981 1987 Qian et Wu, pl.27,15.
Concavisporites shuanensis Zhang 1978 1978 Zhang, pl.127,19.
Concavisporites toralis (Leschik) Nilsson 1980 Li et Shang, pl.I,12,13.
Concavisporites umbonatus (Bolch. 1953) comb. Arjang 1975 1987 Qian et Wu, pls.27,26;38,6.
Concavisporites wuchangensis Zhang 1978 1978 Zhang, pl.127,20.
Concavisporites sp. 1978 Zhang, pl.127,14.
Converrucosporites cameroni (de Jersey) Playford et Dettmann 1978 Zhang, pl.128,19.
Cordaitina sp. 1978 Zhang, pl.135,14.

Cristatisaccus cristatus Mädler 1987 Qian et Wu, pl.29,11,12.
Cyathidites Couper 1953
Cyathidites asper (Bolch.) Dettmann 1987 Qu et Zhang, pl.40,28.
Cyathidites australis Couper 1980 Li et Shang, pl.I,17; 1987 Qian et Wu, pl.33,4.
Cyathidites minor Couper 1987 Qu et Zhang, pls.40,9;46,1;47,3.
Cyathidites trilobatus Sah et Jian 1965 1987 Qian et Wu, pl.27,6.
Cycadopites Wodehouse 1933
Cycadopites sp. 1980 Li et Shang, pl.II,14.
Cycadopites enormis Jain 1968 1987 Qian et Wu, pl.34,13.
Cycadopites fusiformis (Nilsson) Behrouz 1975 1987 Qian et Wu, pl.28,32.
Cycadopites granulatus (Jersey) Jersey 1964 1964 1987 Qian et Wu, pl.28,31.
Cycadopites labrosus (Bolkhovitina) 1978 Zhang, pl.131,6.
Cycadopites nitidus (Balme) Jersey 1964 1987 Qian et Wu, pl.28,29,30.
Cycadopites reticulatus Zhang 1978 1978 Zhang, pl.131,6; 1987 Qian et Wu, pl.28,36.
Cycadopites reticulatus (Nilsson) Li et Shang 1980 1980 Li et Shang, pl.II,13.
Cycadopites subgranulosus (Couper) Clarke 1987 Qu et al., pls.42,19;45,5.
Cycadopites tivoliensis de Jersey 1987 Qu et al., pl.42,25.
Cyclogranisporites Potonié & Kremp 1954
Cyclogranisporites sp. 1987 Qian et Wu, pl.28,27.
Cyclogranisporites arenosus Mädler 1987 Qu et Zhang, pl.40,32.
Deltoidospora (Miner 1935) R. Potonie 1956
Deltoidospora diaphana Wilson et Webster 1946 1987 Qu et Zhang, pl.33,2.
Deltoidospora halli Miner 1978 Zhang, pl.127,5.
Deltoidospora microforma Rouse 1987 Qu et Zhang, pl.40,3.
Densosporites microrugulatus Brenner 1978 Zhang, pl.129,25.
Dictyophyllidites Couper 1958
Dictyophyllidites sp. 1978 Zhang, pl.127,7-8.
Dictyophyllidites harrisii Couper 1987 Qu et Zhang, pls.40,5;43,4.
Dictyophyllidites intrastriatus (Nilsson) 1978 Zhang, pl.127,22.
Dictyophyllidites mortoni (de Jersey) Playford et Dettmann 1987 Qu et Zhang, pls.40,4;43,15;46,2.
Dictyophyllidites surangei Bharadwaj & Singh 1987 Qu et Zhang, pls.40,11;43,18.
Dictyophyllidites toralis (Leschik) 1978 Zhang, pl.127,9-10.
Discisporites sp. 1987 Qian et Wu, pl.28,23.
Divisisporites sp. 1978 Zhang, pl.127,24.
Duplexisporites Deak 1962
Duplexisporites scanicus (Nilsson) Play. et Dett. 1965 1987 Qian et Wu, pl.28,1,2.
Duplexisporites gyrates Playford et Dettmann 1987 Qu et Zhang, pls.41,21;44,31.
Duplexisporites problematicus (Couper) Playford & Dettmann 1987 Qu et Zhang, pl.41,20.
Duplexisporites rotundatus Shugeevsk 1987 Qian et Wu, pl.28,5.
Duplexisporites undulatus Qu et Zhang 1980 1987 Qian et Wu, pl.28,4,6.
Foraminisporis sp. 1987 Qian et Wu, pl.28,16.
Foraminisporis tribulosus Playford et Dettmann 1965 1987 Qian et Wu, pl.28,11.
Foveosporites hubeiensis Zhang 1978 1978 Zhang, pl.129,2-4.
Gleicheniidites (Ross 1949) Bolch. 1968

Gleicheniidites sp. 1980 Li et Shang, pl.I,15.
Gleicheniidites minor Döring 1987 Qu et Zhang, pl.40,22.
Gleicheniidites mundus Sah et Jian 1964 1987 Qian et Wu, pl.27,4.
Gleicheniidites rostratus Qu & Zhang 1987 1987 Qu et al., pl.I,8.
Gleicheniidites senonicus Ross 1987 Qu et Zhang, pl.40,25.
Granasporites sp. 1987 Qian et Wu, pl.35,3.
Granulatisporites (Ibrahim 1933) Potonié & Kremp 1954
Granulatisporites sp. 1978 Zhang, pl.138,7-8.
Granulatisporites asper (Nilsson) Playford et Dettmann 1978 Zhang, pl.128,2.
Granulatisporites granulatus Ibrahim 1987 Qu et Zhang, pl.40,18.
Granulatisporites parvus (Ibrahim) Potonié & Kremp 1987 Qu et Zhang, pl.40,35.
Grobospora concetricca Jansonius 1980 Li et Shang, pl.II,8.
Hunanpollenites callosus Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.35,4,5.
Hunanpollenites pelliger Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.35,6.
Krauselisporites (Leschik 1956) Jans. 1962
Krauselisporites dentatus Leschik 1987 Qu et Zhang, pl.41,28.
Krauselisporites guangyuanensis Li 1987 Qian et Wu, pl.34,5,6.
Krauselisporites punctatus Jansonius 1980 Li et Shang, pl.I,1.
Kyrtomispuris Mädler 1964
Kyrtomispuris sp. 1987 Qian et Wu, pl.28,7.
Kyrtomispuris decorasus Qu & Zhang 1987 Qu et al., pl.I,23.
Kyrtomispuris gracilis Bjerke et Manum 1977 1987 Qian et Wu, pl.34,1,2.
Kyrtomispuris guangyuanensis Li 1974 1987 Qian et Wu, pl.31,1.
Kyrtomispuris sanxiaensis Qu & Zhang 1987 Qu et Zhang, pl.41,30-31,38.
Kyrtomispuris speciosus Mädler 1987 Qu et Zhang, pl.41,26-27.
Kyrtomispurites bellus Zhang 1978 1978 Zhang, pl.130,9.
Kyrtomispurites minor Zhang 1978 1978 Zhang, pl.130,4-5.
Laevigatosporites ovatus Wilson et Webster 1978 Zhang, pl.130,23.
Leiotriletes (Naum. 1939) Pot. & Kremp 1954
Leiotriletes sp. 1980 Li et Shang, pl.I,1,2.
Leiotriletes directus Balme & Henn. 1987 Qu et Zhang, pl.40,12.
Leiotriletes ornatus Ishchenko 1987 Qu et Zhang, pl.40,7.
Lophotriletes Naum. 1939 ex Ishchenko 1950
Lophotriletes sp. 1987 Qian et Wu, pl.30,16.
Lophotriletes commissuralis (Kosanke) Potonié & Kremp 1987 Qu et Zhang, pl.41,2.
Lophotriletes delicatus Ouyang & Li 1987 Qu et Zhang, pl.40, 26.
Lophotriletes microsaeetus (Loose) Potonié & Kremp 1987 Qu et Zhang, pl.40,45.
Lophotriletes pseudoculeatus Potonié & Kremp 1987 Qu et Zhang, pl.40,47.
Lueckisporites triassicus Clarke 1987 Qu et al., pl.I,38.
Lueckisporites virkkiae (Potonié & Kremp) Clarke 1978 Zhang, pl.135,6(cf.).
Lunzisporites Bharadwaj & Singh 1963
Lunzisporites pallidus Bharadwaj & Singh 1963 1987 Qu et Zhang, pls.41,3;43,34.
Lycopodiacidites Couper 1953
Lycopodiacidites sp. 1978 Zhang, pl.128, 5.

Lycopodiacidites clirosus (Bolchovitina) Li et Shang 1980 1980 Li et Shang, pl.I,25,26.
Lycopodiacidites minus Lu & Wang 1987 Qu et al., pl.I,10.
Lycopodiacidites rudis (Leschick) Li et Shang 1980 1980 Li et Shang, pl.I,16.
Lycopodiacidites rugulatus (Couper) Schulz 1987 Qu et Zhang, pls.41,19;44,21.
Lycopodiumsporites sp. 1978 Zhang, pl.128, 28-30.
Marattisporites Couper 1958
Marattisporites sp. 1987 Qian et Wu, pl.31,18.
Marattisporites scabratus Couper 1987 Qu et Zhang, pls.38,27;42,1;44,15.
Megamonosporites sp. 1978 Zhang, pl.132,11.
Megamonosporites cacheutensis Jain 1978 Zhang, pl.132,6.
Megamonosporites minor Zhang 1978 1978 Zhang, pl.132,7-8.
Megamonosporites reticulatus Zhang 1978 1978 Zhang, pl.132,24.
Megamonosporites wuchangensis Zhang 1978 1978 Zhang, pl.132,9-10.
Microcachrydites petaloides Zhang 1978 1978 Zhang, pl.134,16.
Monosulcites sp. 1987 Qian et Wu, pl.28,28.
Monosulcites granulatus Zhang 1978 1978 Zhang, pl.131,7-8.
Monosulcites mininus Cookson 1978 Zhang, pls.131,1;144,16-17.
Monosulcites salebrosus Pautsch 1971 1987 Qian et Wu, pl.34,14.
Murospora sp. 1980 Li et Shang, pl.I,45.
Neoraistrickia Potonié 1956
Neoraistrickia sp. 1978 Zhang, pl.128,24.
Neoraistrickia denotata Qu & Zhang 1987 1987 Qu et Zhang, pl.40,42-43.
Neoraistrickia taylorii Playford et Dettmann 1987 Qu et Zhang, pls.41,5,29;43,39.
Neoraistrickia tricbosa Filataff 1975 1987 Qian et Wu, pl.27,32,36.
Neoraistrickia truncates (Cookson) Potonié 1987 Qu et Zhang, pl.40,46.
Nevesisporites sp. 1987 Qian et Wu, pl.28,22.
Nevesisporites limatidus Playford 1980 Li et Shang, pl.I,6(cf.).
Osmundacidites Couper 1953
Osmundacidites comaumensis (Cookson) Cookson et Dettmann 1978 Zhang, pl.128,10-12.
Osmundacidites crassirimosus (Klimko) Qu & Zhang 1987 1987 Qu et Zhang, pl.40,13.
Osmundacidites parvus de Jersey 1978 Zhang, pl.128,4-5.
Osmundacidites senectus Balme 1978 Zhang, pl.128,9; 1987 Qu et Zhang, pl.33,19.
Osmundacidites wellmanii Couper 1980 Li et Shang, pl.I,18.
Ovalipollis (Krutzsch 1955) Klaus 1960
Ovalipollis sp. 1987 Qu et al., pl.I,41.
Ovalipollis breviformis Krutzsch 1978 Zhang, pl.135,3.
Ovalipollis ovalis Krutzsch 1978 Zhang, pl.135,4-5(cf.).
Ovalipollis pseudoalatus (Thiergart) Schuur. 1987 Qu et Zhang, pl.42,14.
Paleoconiferus asaccatus Bolkhovitina 1978 Zhang, pl.133,1.
Paleoconiferus glaesarus Bolkhovitina 1978 Zhang, pl.133,2.
Perinopollenites sp. 1987 Qian et Wu, pl.32,22.
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Piceapollenites mesophyticus (Bol.) Qu 1980 1987 Qian et Wu, pl.35,13.
Platysaccus luteus (Bol.) Li et Shang 1980 1987 Qian et Wu, pl.35,14.

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Polycingulatisporites sp. 1980 Li et Shang, pl.II,2,3.
Polycingulatisporites curvatus Qu et Zhang 1987 Qu et Zhang,pl.41,9-10.
Polycingulatisporites ipsviciensis (de Jers.) Playf. et Dettm. 1965 1980 Li et Shang, pl.I,27.
Polycingulatisporites mooniensis de Jersey & Paten 1987 Qu et Zhang,pl.41,8.
Polypodiisporites Khlonova 1961
Polypodiisporites sp. 1987 Qu et Zhang,pl.42,3.
Pseuaopicea sp. 1987 Qian et Wu, pl.29,23,24.
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Pinuspollenites sp. 1978 Zhang, pl.133,3,15.
Pinuspollenites alatipollenites (Rouse) Qian, Zhao et Wu 1983 1987 Qian et Wu, pl.29,16.
Pinuspollenites divulgatus (Bolch.) Qu 1987 Qu et Zhang, pls.42,28;45,26.
Pinuspollenites globosaccus Filatoff 1975 1987 Qian et Wu, pl.29,15.
Pinuspollenites minimus (Couper) Kremp 1987 Qu et Zhang, pls.42,15;45,23.
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Pinuspollenites verrucosus Zhang 1978 1978 Zhang, pl.134,1,4.
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Podocarpidites sp. 1978 Zhang, pl.133,4,14.
Podocarpidites multesimus (Bolch.) Pocock 1987 Qu et Zhang, pls.42,10;45,18.
Podocarpidites queenslandi de Jersey 1978 Zhang, pl.134,14-15(cf.).
Polycingulatisporites arciformis Li et Shang 1980 1980 Li et Shang, pl.I,42-44.
Polycingulatisporites crenulatus Play. et Dettm. 1968 1987 Qian et Wu, pl.28,18,25.
Polycingulatisporites mooniensis Jersey 1964 1987 Qian et Wu, pl.28,19,21.
Polycingulatisporites reduncus (Bolkhovitina) Playford et Dettmann 1978 Zhang, pl.129,16-17.
Protopinus sp. 1980 Li et Shang, pl.II,27.
Pseudomonocolpites parvus Jain 1968 1987 Qian et Wu, pl.34,15.
Pseudopinus textilis Bolkhovitina 1978 Zhang, pl.132,26(cf.).
Pseudopodocarpus gracilenta Bolkhovitina 1978 Zhang, pl.132,25(cf.).
Psophosphaera bullulinaeformis (Maljavkina) 1978 Zhang, pl.132,1.
Punctatisporites (Ibrahim 1933) Potonié & Kremp 1954
Punctatisporites minutus Kosanke 1987 Qu et Zhang,pl.40,1.
Punctatisporites planus Hacquebard 1957 1987 Qian et Wu, pl.33,20.
Quadraeculina Maljavkina 1949 ex Potonié 1960
Quadraeculina sp. 1978 Zhang, pl.137,12.
Quadraeculina anellaeformis Maljavkina 1987 Qu et Zhang, pl.42,27.
Quadraeculina humilis Chang (MS) 1978 Zhang, pl.134,5-6.
Quadraeculina limbata Maljavkina 1987 Qu et Zhang, pls.42,7;46,34;47,38.
Quadraeculina minor (Pocock) Qu et Zhang 1980 1987 Qian et Wu, pl.29,22.
Radialisporis sp. 1987 Qian et Wu, pl.28,10.
Radisporis Bai 1983
Radisporis sp. 1987 Qian et Wu, pl.28,10.
Radisporis costatus Bai 1987 Qu et Zhang,pl.41,13.
Reticulatisporites pudens Balme 1978 Zhang, pl.129,1.
Retusotriletes hercynicus (Mädler) Schuur. 1987 Qu et Zhang,pl.40,2.

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Rogalskaisporites sp. 1987 Qian et Wu, pls.22,4;27,2;30,1.
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Rugulatisporites ramosus de Jersey 1978 Zhang, pl.128,25-26.
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Schizocystia rara Playford et Dettmann 1987 Qu et al., pl.42,22.
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Spheripollenites cf. *subgranulatus* Couper 1958 1987 Qian et Wu, pl.34,17-20.
Stereisporites Pflug 1953
Stereisporites sp. 1987 Qian et Wu, pl.27,1.
Stereisporites adnatus (de Jersey) Qu et Zhang 1987 1987 Qu et Zhang,pl.40,31.
Stereisporites antiquasporites (Wilson et Webster) Dettmann 1953 1987 Qian et Wu, pl.27,3.
Stereisporites nochtenensis (Kruttsch) Schuur. 1987 Qu et Zhang,pl.40,30.
Stereisporites perforates Leschik 1987 Qu et Zhang,pls.40,29;43,1.
Stereisporites psilatus (Ross) Thoms. & Pflug 1987 Qu et Zhang,pl.40,27.
Striatopodocarpites sp. 1987 Qian et Wu, pl.35,17.
Taeniaesporites (Leschik 1955) Jansonius 1962
Taeniaesporites kraeuseli Leschik 1987 Qu et Zhang,pls.39,4;42,18.
Taeniaesporites noviaulensis Leschik 1987 Qu et Zhang,pls.39,2;42,11.
Taeniaesporites novimundi Jansonius 1987 Qu et Zhang,pls.39,15;42,17.
Taeniaesporites rhaeticus Schulz 1987 Qu et al., pl.I,39.
Taeniaesporites transversundatus Jansonius 1962 1987 Qian et Wu, pl.29,8.
Tigrinispota coronaria Chang 1978 Zhang, pl.130,15-17.
Tigrinispota elegans Chang 1978 Zhang, pl.130,10-11.
Tigrinispota hubeiensis Zhang 1978 1978 Zhang, pl.130,6-7.
Tigrinispota speciosa (Mädler) 1978 Zhang, pl.130,12-14.
Tigrisporites Klaus 1960
Tigrisporites altilis Zhang 1978 1978 Zhang, pl.130,18-19.
Tigrisporites halleinis Klaus 1987 Qu et Zhang,pl.41,32.
Todisporites granulatus Zhang 1978 1978 Zhang, pl.127,29-30.
Toroisporites sp. 1978 Zhang, pl.127,15.
Toroisporis neddeni (Potonié) 1978 Zhang, pl.127,6.
Triquitrites (Wilson & Coe 1940) Potonié & Kremp 1954
Triquitrites proratus Balme 1987 Qu et Zhang,pl.41,14.
Triquitrites sinensis Ouyang 1987 Qu et Zhang,pl.41,35.
Trizonites Mädler 1964
Trizonites laevigatus (Schulz) Li et Shang 1980 1980 Li et Shang, pl.II,4.
Trizonites microfoveatus (Zhang) Qu & Zhang 1987 1987 Qu et Zhang,pl.41,16,18.
Trizonites reticulates Li et Shang 1980 1987 Qian et Wu, pls.23,9,10;31,21.
Uvaesporites Döring 1965
Uvaesporites minisculus Lu & Wang 1987 Qu et Zhang,pl.40,39.

Verrusaccus sp. 1987 Qian et Wu, pl.29,9,10.
Verrucosisorites sp. 1987 Qu et Zhang,pl.40,49.
Verrucosisorites osmundaeformis (Zhang) 1978 Zhang, pl.128,13-14.
Verrucosisorites verrucosus (Qian, Zhao et Wu) Qu et Zhang 1987 1987 Qu et Zhang, pl.42,23.
Verrumonocolpites Pierce 1961
Verrumonocolpites firmus Qu & Zhang 1987 1987 Qu et al., pl.42,5.
Vitreisorites bjuvensis Nilsson 1978 Zhang, pl.132,23.
Vitreisorites papilionaeus Qian, Zhao et Wu 1983 1983 1987 Qian et Wu, pl.29,20.
Vitreisorites signatus Leschik 1955 1987 Qian et Wu, pl.29,18,19.
Vitreisorites sp. 1987 Qian et Wu, pl.29,21.
Weiyuanpollenites fasciarius Chang (MS) 1978 Zhang, pl.135,7.
Weiyuanpollenites podocarpoides Zhang 1978 1978 Zhang, pl.135,8.
Zebрасporites Klaus 1960
Zebрасporites cornealus (Leschik) Klaus 1987 Qu et Zhang,pls.41,23;44,34.
Zebрасporites laevigatus (Schulz) Schulz 1987 Qu et Zhang,pl.41,22.

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Acanthotriletes (Naum. 1937) Pot. et Kr. 1954
Acanthotriletes hongmenensis Qian et al. 1983 1983 Qian et al.pl.II,15,16.
Alisporites (Daugherty 1941) Pot. et Kr. 1956
Alisporites hemiglobosaccatus Sah. et Jain 1965 1983 Qian et al.,pl.VIII,19,20.
Alisporites rotundus Rouse 1982 Qian et Wu, pl.II,6.
Alisporites sp. 1983 Qian et al.,pl.IX,5.
Alisporites thomasi (Couper) Nilsson 1958 1983 Qian et al.,pl.IX,1-3.
Anapiculatisporites cooksonae Playford 1965 1983 Qian et al.,pl.II,18(cf.).
Anapiculatisporites Pot. et Kr. 1955
Annulispora (Jersey 1959) emend. Qian et al. 1983
Annulispora jiangxiensis Qian et al. 1983 1983 Qian et al.,pl.V,13-15.
Aratrisporites (Leschik) Playford et Dettmann 1965
Aratrisporites strigosus Playford 1965 1983 Qian et al.,pl.VI,9,10.
Aulisporites (Leschik 1955) emend. Qian et al. 1983
Aulisporites anyuanensis Qian et Wu 1982 1982 Qian et Wu, pl.III,16; 1983 Qian et al.,pl.XII,4-6.
Cadargasporites baculatus (Jersey et Paten 1964) emend. Reiser et Williamms 1982 Qian et Wu, pl.I,18,19; 1983 Qian et al.,pl.III,2-4.
Calamospora impexa Playford 1965 1983 Qian et al.,pl.I,20.
Calamospora nathorstii (Halle) comb. Klaus 1960 1983 Qian et al.,pl.I,19.
Calamospora ovalis (Imgr.) comb. Imgr. 1954 1983 Qian et al.,pl.I,18.
Calamospora S. W. et B. 1944
Calamospora tangpuensis Qian et al. 1983 1983 Qian et al.,pl.I,21-23.
Canalizonospora canaliculata Chang 1974 1983 Qian et al.,pl.V,3-7.
Canalizonospora Chang 1974
Chasmatosporites (Nilsson 1958) emend. Pocock et Jansonius 1968

Chasmatosporites hians Nilsson 1982 Qian et Wu, pl.III,6-8.
Chasmatosporites hongmenensis Qian et al. 1983 1983 Qian et al.,pl.XIII,12-15.
Chasmatosporites major (Nilsson 1958) emend. Pocock et Jansonius 1969 1982 Qian et Wu, pl.III,9-11; 1983 Qian et al.,pl.XII,7,8.
Chasmatosporites minor (Nilsson 1958) emend Qian et al. 1983 1982 Qian et Wu, pl.III,12-14; 1983 Qian et al.,pl.XIII,9-11.
Chasmatosporites minor (Nilsson) Pocock et Janson
Chasmatosporites rugatus Qian et al. 1983 1983 Qian et al.,pl.XII,9-11.
Chasmatosporites triquetus Qian et al. 1983 1983 Qian et al.,pls.XII,12;XIII,5-8.
Chordasporites australiensis Jersey 1962 1983 Qian et al.,pl.VII,12,13.
Chordasporites australiensis Jersey 1982 Qian et Wu, pl.II,5.
Chordasporites Klaus 1960
Chordasporites sp. 1983 Qian et al.,pl.VII,14.
Cibotiumspora arquatus Qian et al. 1983 1983 Qian et al.,pl.I,12,13.
Cibotiumspora Chang 1965
Circellusaccus Qian et al. 1983
Circellusaccus verrucosus Qian et al. 1983 1983 Qian et al.,pl.IX,14-16.
Classopollis (Pflug) Pocock et Jansonius 1961
Classopollis sp. 1983 Qian et al.,pl.XIII,19.
Conbaculatisporites Klaus 1960
Conbaculatisporites mesozoicus Klaus 1960 1983 Qian et al.,pl.II,19-21.
Concavisporites (Pflug 1952) Delcourt et Sprumont 1955
Concavisporites lunzensis (Klaus) Qian et al. 1983 1983 Qian et al.,pl.I,8,9.
Concavisporites lunzensis (Klaus) Qian et Wu 1982 1982 Qian et Wu, pl.I,3-5.
Concavisporites umbonatus (Bolchovitina) comb. Arjang 1975 1983 Qian et al.,pl.I,10,11(cf.).
Convolutispora Haffmeister, Staplin et Malloy 1955
Convolutispora microrugulata Schulz 1967 1983 Qian et al.,pl.II,24.
Cordaitina Samoilovitz 1953
Cordaitina minor (Pautsch 1971) Pautsch comb. 1973 1983 Qian et al.,pl.VI,16.
Cyathidites Couper 1953
Cyathidites trilobatus Sah. et Jain 1965 1982 Qian et Wu, pl.I,2; 1983 Qian et al.,pl.I,3,4.
Cycadopites (*Entylissa*) *reticulata* (Nilsson) comb. Behrouz 1975 1983 Qian et al.,pl.XI,18-21.
Cycadopites (Wodehouse 1933) ex Wilson et Webster 1946
Cycadopites fusiformis (Nilsson) comb. Behrouz 1975 1983 Qian et al.,pl.XI,12,13.
Cycadopites granulatus (Jersey) comb. Jersey 1964 1983 Qian et al.,pl.XI,16,17.
Cycadopites nitidus (Balme) de Jersey 1982 Qian et Wu, pl.II,15,16; 1983 Qian et al.,pl.XI,14,15.
Cycadopites potonie Bharadwaj et Singh 1963 1982 Qian et Wu, pl.II,21; 1983 Qian et al.,pl.XI,11.
Cyclogranisporites minus Bhardwaj 1957 1983 Qian et al.,pl.II,5.
Cyclogranisporites Pot. et Kremp 1954
Cyclogranisporites sp. 1983 Qian et al.,pl.II,7.
Deltoidospora (Miner 1935) emend. R. Potonie 1956
Deltoidospora admirabilis Qian et al. 1983 1983 Qian et al.,pl.I,1,2.
Densosporites (Weyland et Krieger 1953) Dettmann 1963

Densosporites rhaeticus (Reinhardt) Reinhardt et Schmitz 1965 1983 Qian et al.,pl.IV,14,15.
Dictyophyllidites Couper 1958
Dictyophyllidites harrissi Couper 1958 1982 Qian et Wu, pl.I,1; 1983 Qian et al.,pl.I,5,6.
Dictyophyllidites mortoni (Jersey) Playford et Dettmann 1965 1983 Qian et al.,pl.I,7.
Duplexisporites (Den'k) Playford et Dettmann 1965
Duplexisporites gyrates Playford et Dettmann 1965 1982 Qian et Wu, pl.I,17; 1983 Qian et al.,pl.III,10,11.
Duplexisporites gyratus Playford et Dettmann
Duplexisporites problematicus (Couper) Playford et Dettmann 1965 1982 Qian et Wu, pl.I,10; 1983 Qian et al., pl.III,12,13.
Duplexisporites problemations (Couper) Playford et Dettmann
Duplexisporites rotundatus Shugaersk 1982 Qian et Wu, pl.I,12,13; 1983 Qian et al.,pl.III,14.
Duplexisporites sp. 1982 Qian et Wu, pl.I,7,9.
Duplexisporites sp. 1983 Qian et al.,pl.III,15.
Duplicisporites (Leschik 1955) emend. Potonie 1958
Duplicisporites verrucosus Leschik 1955 1983 Qian et al.,pl.XI,8.
Endosporites orientalsi Qian et al. 1983 1983 Qian et al.,pl.VI,1-6.
Endosporites Wils. et Coe. 1940
Foveosporites Balme 1957
Foveosporites sp. 1983 Qian et al.,pl.III,1.
Gliscopollis meyeriana (Klaus 1960) Venkatachala 1966 1983 Qian et al.,pl.XIII,20,21.
Gliscopollis Venkatachala 1965
Granamegamonocolpites fusiformis Qian et Wu 1982 1982 Qian et Wu, pl.II,22,23; 1983 Qian et al.,pl.XII,1-3.
Granamegamonocolpites Jain 1968
Granasporites Alpern 1959
Granasporites confertus Qian et al. 1983 1983 Qian et al.,pl.XI,1.
Granasporites magnus Qian et al. 1983 1983 Qian et al.,pl.XI,4-7.
Granasporites minus Qian et al. 1983 1983 Qian et al.,pl.XI,2,3.
Granulatisporites (Ibr. 1933) Pot. et Kremp 1954
Granulatisporites minor Jersey 1962 1983 Qian et al.,pl.II,4.
Granulatisporites sp. 1983 Qian et al.,pl.II,3.
Inaperturopollenites (Pflug 1952 ex Thomson et Pflug 1953) Pot. 1958
Inaperturopollenites sp. 1982 Qian et Wu, pl.II,14; 1983 Qian et al.,pl.X,1,2.
Jansoniuspollenites cacheutensis Jain 1968 1982 Qian et Wu, pl.II,3; 1983 Qian et al.,pl.VIII,6,7.
Jansoniuspollenites cacheutensis Jain
Jansoniuspollenites Jain 1968
Jiangxisporites anyuanensis Qian et Wu 1982 1982 Qian et Wu, pl.I,20-24; 1983 Qian et al.,pl.IV,2-5,7.
Jiangxisporites Qian et al. 1983
Jiangxisporites radiatus Qian et al. 1983 1983 Qian et al.,pl.IV,1.
Knoxisporites instarrotulae (Horst) Pot. et Kr. 1955 1983 Qian et al.,pl.III,5.
Knoxisporites Pot. et Kr. 1954
Knoxisporites sp. 1983 Qian et al.,pl.III,6.

Kraeuselisporites (Leschik) Jansonius 1962
Kraeuselisporites cuspidus Balme 1963 1983 Qian et al.,pl.IV,16.
Laevigatosporites Ibr. 1933
Laevigatosporites sp. 1982 Qian et Wu, pl.I,14,15; 1983 Qian et al.,pl.V,18,19.
Lophotriletes (Naum. 1937) Pot. et Kr. 1954
Lophotriletes sp. 1983 Qian et al.,pl.II,17.
Lundbladispota (Balme) emend. Playford 1965
Lundbladispota granularis Qian et al. 1983 1983 Qian et al.,pl.VI,7,8.
Lycopodiacidites (Couper 1955) emend. R. Potonie 1956
Lycopodiacidites keupperi Klaus 1960 1983 Qian et al.,pl.II,25(cf.).
Marattisporites scabratus Couper 1958 1983 Qian et al.,pl.V,24-27.
Microreticulatisporites (Knex) Pot. et Kr. 1954
Microreticulatisporites sp. 1983 Qian et al.,pl.II,26,27.
Monosulcites schizocolpatus Jain 1982 Qian et Wu, pl.II,17,20.
Monosulcites sp. 1982 Qian et Wu, pl.III,1-5.
Monosulcites (Erdtman 1947, Cookson 1947) ex Couper 1953
Monosulcites salebrosus Pautsch 1971 1983 Qian et al.,pl.XI,23.
Monosulcites schisocolpatus Jain 1968 1983 Qian et al.,pl.XI,22.
Monosulcites sp. 1983 Qian et al.,pl.XI,24-27.
Neoraistrickia R. Pot. 1956
Neoraistrickia sp. 1982 Qian et Wu, pl.I,6; 1983 Qian et al.,pl.II,23.
Neoraistrickia taylorii Playford et Dettmann 1968 1982 Qian et Wu, pl.I,8; 1983 Qian et al.,pl.II,22.
Neoraistrickia taylorii Playford et Dettmann
Osmundacidites alpines Klaus 1960 1983 Qian et al.,pl.II,9,10.
Osmundacidites Couper 1958
Osmundacidites oppressus (Leschik) comb. Jain 1968 1983 Qian et al.,pl.II,11.
Osmundacidites parvus Jersey 1962 1983 Qian et al.,pl.II,12,13.
Osmundacidites wellmanii Couper 1953 1983 Qian et al.,pl.II,14.
Ovalipollis (Krutzschn) emend. Pocock et Jansonius 1968
Ovalipollis breviformis Krutzschn 1955 1983 Qian et al.,pl.VII,10,11.
Ovalipollis ovalis Krutzschn 1955 1982 Qian et Wu, pl.II,4; 1983 Qian et al.,pl.VII,8,9.
Ovalipollis ovalis Krutzschn
Patellisporites Ouyang 1961
Patellisporites sp. 1983 Qian et al.,pl.V,1,2.
Peroaletes Bharadwaj et Singh 1963
Peroaletes cf. *convolutus* Bharadwaj et Singh 1982 Qian et Wu, pl.II,10.
Peroaletes minus Qian et al. 1983 1983 Qian et al.,pl.X,14.
Piceapollenites insidaris (Goubin) 1983 Qian et al.,pl.IX,4.
Piceapollenites R. Potonie 1931
Pinuspollenites (Pollenites) labdacus (Pot. 1937) Raatz 1937
Pinuspollenites alatipollenites (Rouse) Qian et al. 1983 1983 Qian et al.,pl.IX,6,7.
Platysaccus (Naumova) Pot. et Kl. 1954
Platysaccus queenslandi Jersey 1962 1983 Qian et al.,pl.IX,10.

Polycingulatisporites (Simoncsics et Kedves) Playford et Dettmann
Polycingulatisporites crenulatus Playford et Dettmann 1982 Qian et Wu, pl.I,11; 1983 Qian et al.,pl.V,8.
Polycingulatisporites sp. 1983 Qian et al.,pl.V,11,12.
Polycingulatisporites striatus John 1975 1982 Qian et Wu, pl.I,16; 1983 Qian et al.,pl.V,9.
Protoconiferus sp. 1982 Qian et Wu, pl.II,12.
Protohaploxylinus sp. 1982 Qian et Wu, pl.II,1.
Protopinus Bolchovitina 1952
Protopinus latebrosus Bolchovitina 1956 1983 Qian et al.,pl.VII,6.
Protopinus vastus Balchovitina 1956 1983 Qian et al.,pl.VII,5.
Protopinus vastus Bolch. 1982 Qian et Wu, pl.II,11.
Psophosphaera (Naumova) emend. R. Pot. 1958
Psophosphaera (Podozamites) *grandis* Bolch. 1956 1983 Qian et al.,pl.X,4,5.
Psophosphaera anyuanensis Qian et al. 1983 1983 Qian et al.,pl.X,3.
Psophosphaera flavus (Leschik) Qian et al. 1983 1983 Qian et al.,pl.X,6.
Psophosphaera intragranulosus (Bharadwaj et Singh) Qian et Wu 1982 1982 Qian et Wu, pl.II,13; 1983 Qian et al., pl.X,7.
Punctatisporites (Ibr.) Pot. et Krep. 1954
Punctatisporites planus Hacquebard 1957 1983 Qian et al.,pl.I,17.
Punctatisporites pygmaeus (Imgr.) Pot. et Kr. 1954 1983 Qian et al.,pl.V,20.
Punctatisporites sp. 1983 Qian et al.,pl.V,21,22.
Punctatisporites subcarpaticus Pautsch 1971 1983 Qian et al.,pl.I,16.
Quadraeculina (Maljawkina) emend. Qian et al. 1983
Quadraeculina limbata Maljawkina 1949 1983 Qian et al.,pls.VI,17,18; VII,1,4.
Quadraeculina minor (Pocock) Qian et Wu 1982 1982 Qian et Wu, pl.II,9; 1983 Qian et al.,pl.VII,2,3.
Ricciisporites (Lundblad 1954) emend. Lundblad 1959
Ricciisporites tuberculatus (Lundblad 1954) Lundblad 1959 1982 Qian et Wu, pl.III,15,17,18; 1983 Qian et al.,pl.XIII,22-25.
Ricciisporites tuberculatus Lundblad
Ricciisporites umbonatus Felix et Burbridge 1982 Qian et Wu, pl.III,19,20.
Stereisporites perforates Leschik 1955 1983 Qian et al.,pl.I,14,15.
Stereisporites Pflug 1953
Taeniaesporites (Leschik) emend. Qian et al. 1983
Taeniaesporites rhaeticus Schulz 1967 1982 Qian et Wu, pl.II,2; 1983 Qian et al.,pl.VII,15-18.
Tangpusporites elegans Qian et al. 1983 1983 Qian et al.,pl.IV,6,8,9.
Tangpusporites Qian et al. 1983 1983 Qian et al.,pl.I
Tigrinispora Chang 1974
Tigrinispora cornaria Chang 1974 1983 Qian et al.,pl.III,18.
Torispota Balme 1952
Torispota medius Ou 1964 1983 Qian et al.,pl.V,34.
Torispota perverrucosus Alpern 1959 1983 Qian et al.,pl.V,33.
Torispota securis Balme 1983 Qian et al.,pl.V,30-32.
Tripartites (Schemel) Pot. et Kr. 1954

Tripartites sp. 1983 Qian et al.,pl.IV,13.
Triquitrites (Wilson et Coe.) Pot. et Kr. 1954
Triquitrites leiolithus Bharadwaj 1983 Qian et al.,pl.IV,11.
Triquitrites sinensis Ouyang 1962 1983 Qian et al.,pl.IV,12.
Verrucosisporites (Ibr.) Pot. et Kr. 1954
Verrucosisporites morulae Klaus 1960 1983 Qian et al.,pl.II,8.
Verrucosisporites sp. 1983 Qian et al.,pl.V,28,29.
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Dictyophyllidites disermus Zhang 1984 1984 Zhang, pl.II,27,28.
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