**Appendix A**

Item Selection Criteria for the Chinese Word Reading Task

A total of 16 affixoids (six prefixoids and 10 suffixoids) were selected from Zeng1’s (2008) database, which provides a list of productive word formation morphemes in Chinese. The 16 highly familiar affixoids were used in the “pseudoword” and “nonword” sets. Each affixoid appeared once in each set. The participants encountered the same affixoid twice in the experiment (once in a pseudoword and once in a nonword). All characters were selected from Bands One and Two – the two lowest levels of the *Grading Syllabus for Chinese Vocabulary and Chinese Characters* (Chinese Proficiency Test Center, 20012). The characters’ visual complexities were similar in the four stimulus sets (the mean numbers of strokes for real, unrelated, pseudo- and non-words were 6.9, 7.8, 7.1, and 6.9, respectively). Furthermore, the morphological structure of items used in Chinese word reading was confirmed by a questionnaire survey piloted and tested with 30 native speakers of Chinese who were university undergraduate students in mainland China. Also, the feasibility of the word reading task was tested with 15 English-speaking American university learners of Chinese as a foreign language and 15 Chinese-speaking undergraduate students majoring in English in a major university in Shanghai, China.

Notes.

1. Zeng, L. (2008). A quantitative and qualitative study on the semiaffixes of modern Chinese (in Chinese). *Chinese Teaching in the World*, *86*(4), 75–87.
2. Chinese Proficiency Test Center. (2001). *Grading syllabus for Chinese vocabulary and Chinese characters* (in Chinese). Beijing: Economic Science Press.

**Appendix B**

|  |  |  |  |
| --- | --- | --- | --- |
| Two-character monomorphemic words | Three-character pseudowords | Three-character nonwords | Three-character unrelated words |
| 火车 | 大名字 | 文化大 | 跟找已 |
| 机会 | 小工作 | 辛苦小 | 美西哪 |
| 世界 | 多颜色 | 水平多 | 前才最 |
| 经济 | 反关系 | 考试反 | 直次信 |
| 公司 | 总决定 | 问题总 | 爱常爸 |
| 电影 | 老活动 | 事情老 | 孩放而 |
| 水果 | 高兴度 | 度成功 | 之呢候 |
| 生活 | 手表家 | 家点心 | 错机正 |
| 安全 | 学习力 | 力改变 | 中今它 |
| 可以 | 未来式 | 式自己 | 克感明 |
| 非常 | 比赛生 | 生准备 | 杀帮先 |
| 完全 | 衣服业 | 业电话 | 头进应 |
| 告诉 | 特别面 | 面紧张 | 法实谁 |
| 希望 | 重要期 | 期知道 | 年比从 |
| 教育 | 教授气 | 气农村 | 晚被快 |
| 认识 | 开始方 | 方喜欢 | 死像等 |

Appendix B. Chinese word reading task items. *Note.* The (pseudo)affixoids are underlined.

**Appendix C**

|  |  |  |  |
| --- | --- | --- | --- |
| Segment | Affixed source word | Nonaffixed source word | Target word |
| RE | repay | reap | edit |
| RE | rewrite | recipe | mold |
| RE | regain | regard | label |
| RE | reopen | receipt | accept |
| RE | relocate | recruit | juggle |
| IN | infamous | infant | sane |
| IN | insecure | initial | exact |
| IN | incorrect | interpret | decent |
| IN | invisible | institute | sincere |
| IN | incomplete | innocence | discreet |
| ER | prayer | letter | kick |
| ER | leader | ginger | stalk |
| ER | dealer | clever | catch |
| ER | teacher | thunder | watch |
| ER | employer | lobster | preach |
| IC | tactic | matric | film |
| IC | poetic | clinic | myth |
| IC | graphic | critic | bard |
| IC | magnetic | public | limb |
| IC | symbolic | traffic | psych |

Appendix C. English MA task items.

**Appendix D**

|  |  |  |  |
| --- | --- | --- | --- |
| Segment | Source word formed with affixoids | Source words formed with nonaffixoids | Target word |
| 大 | 大部分 | 大使馆 | 世界 |
| 小 | 小汽车 | 小吃店 | 学校 |
| 总 | 总收入 | 总结会 | 人口 |
| 老 | 老朋友 | 老虎机 | 同学 |
| 多 | 多功能 | 多少钱 | 语言 |
| 反 | 反作用 | 反对票 | 传统 |
| 家 | 音乐家 | 回老家 | 文学 |
| 业 | 银行业 | 非专业 | 旅游 |
| 方 | 合作方 | 打比方 | 挑战 |
| 面 | 对立面 | 一方面 | 知识 |
| 气 | 孩子气 | 冷空气 | 男子 |
| 生 | 服务生 | 好先生 | 研究 |
| 期 | 实习期 | 下星期 | 生长 |
| 式 | 美国式 | 非正式 | 自由 |
| 度 | 知名度 | 加速度 | 对比 |
| 力 | 生产力 | 强有力 | 影响 |

Appendix D. Chinese MA task items.

**Appendix E**

|  |  |  |
| --- | --- | --- |
| Predictors  | Tolerance | Variance inflation factor |
| Chinese MA | .83 | 1.20 |
| English MA | .77 | 1.30 |
| TCW | .81 | 1.24 |
| LK | .90 | 1.11 |
| WM | .92 | 1.08 |

Appendix E. Collinearity statistics in the regression-based path modeling with bimorphemic three-character pseudoword reading as the criterion variable*. Note*. TCW, monomorphemic two-character real words; LK, Chinese linguistic knowledge; WM, Working memory.