**Supporting Information**

**Functionalization of petroleum coke-based mesoporous carbon for synergistically enhanced capacitive performance**

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**TABLE S1.** Surface area and pore structure parameters of C50 and C50-AQ30.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sample | SBET(m2 g-1)a | Smic(m2 g-1)b | Smeso(m2 g-1)c | Vtotal(cm3 g-1)d | Vmeso(cm3 g-1)e | Dave(nm)f |
|
| C50 | 864 | 106 | 758 | 1.37 | 1.42 | 6.3 |
| C50-AQ30 | 317 | 0 | 317 | 0.75 | 0.83 | 9.4 |

a BET surface area determined by N2 adsorption; b Micropore surface area calculated by the t-plot method; c Mesopore surface area Smeso=SBET-Smic; d Total pore volume measured at a relative pressure (P/Po) of 0.99; e Mesopore volume calculated by BJH method; f Average pore size calculated by 4Vtotal/SBET.