Electronic Supplementary Information:

# Graphitized porous carbon prepared from pyrolysis of sterculia scaphigera and its application in lithium ion batteries

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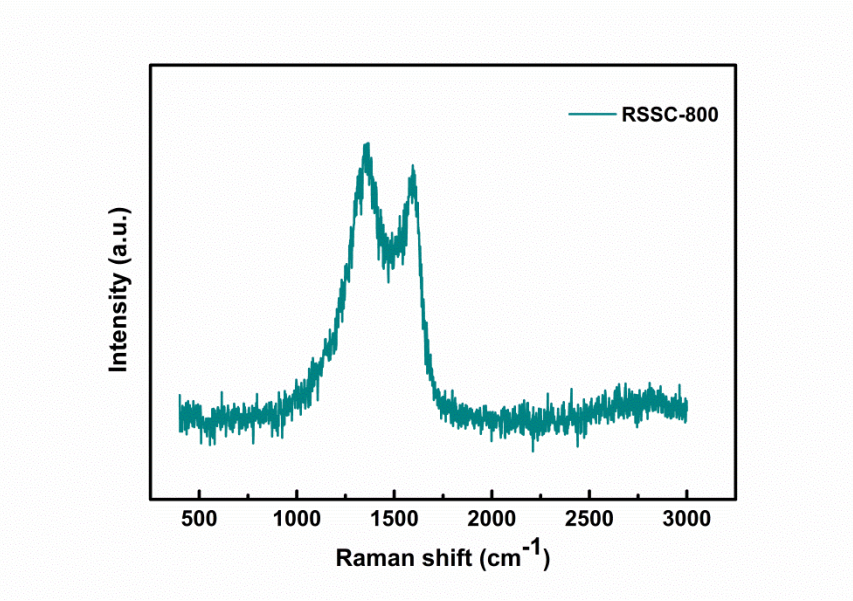


**Figure S1** Raman spectrum of RSSC-800 carbon material.

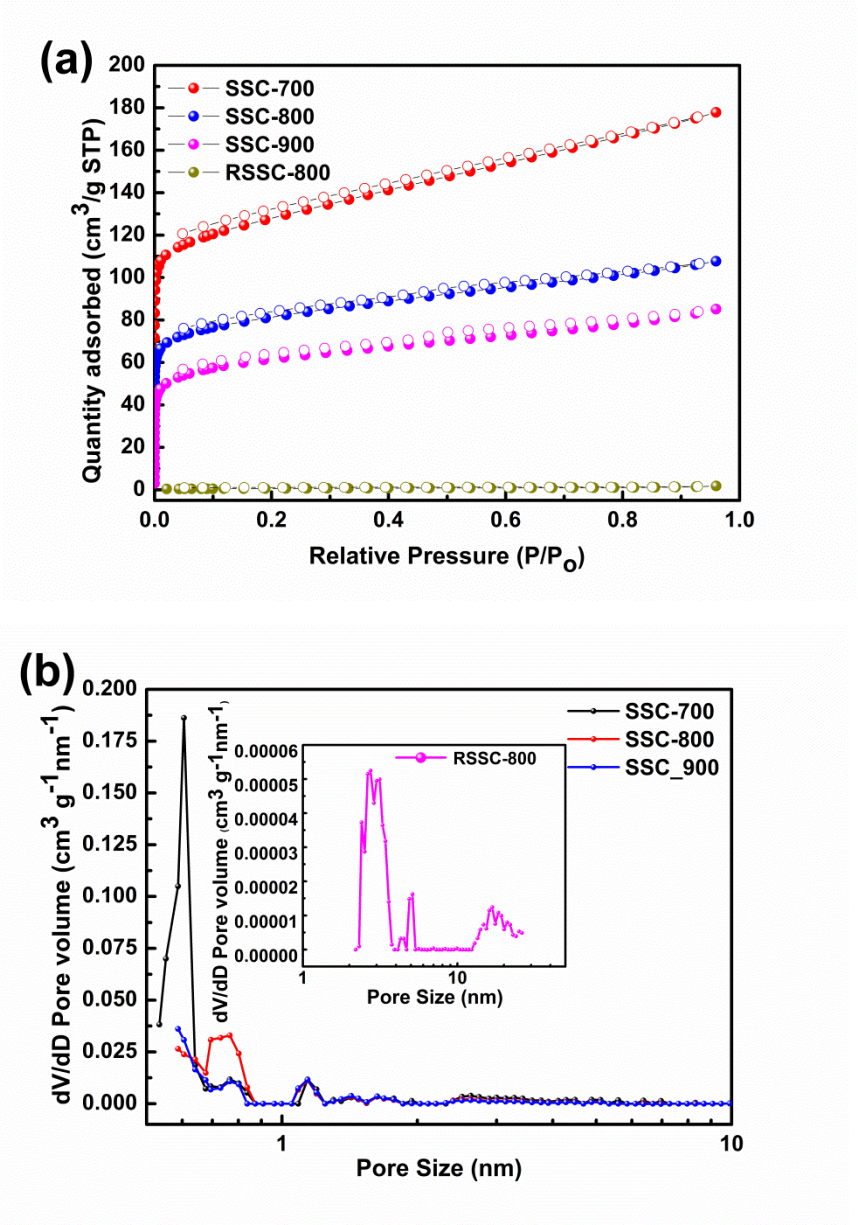


**Figure S2** (a) Nitrogen adsorption-desorption isotherms of RSSC-800 and SSC-X carbon material; (b) the corresponding pore size distribution (calculated from the adsorption isotherms using DFT method).

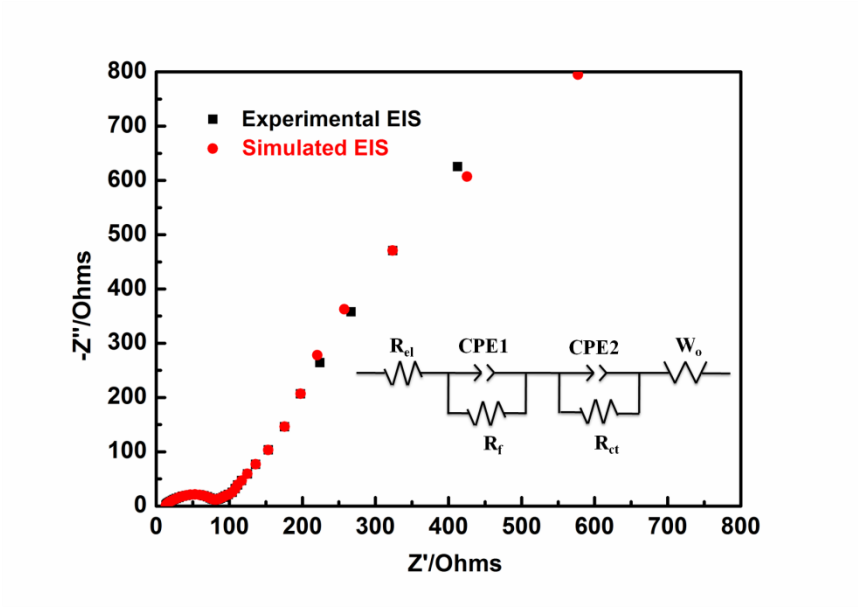


**Figure S3** Experimental and simulated EIS spectra with the equivalent circuit as an inset for sample SSC-800.

**Table S1** Textural properties of RSSC-800 and SSC-X specimens

| Sample | $S_{BET}$ ($m^2\ g^{-1}$)[a] | $V_t$ ($cm^3\ g^{-1}$)[b] | Average pore size (nm) | $S_{BET}$-Micro |
|---|---|---|---|---|
| RSSC-800 | 2.19 | 0.002 | 2.77 | 2.02 |
| SSC-700 | 481.74 | 0.104 | 1.96 | 411.79 |
| SSC-800 | 306.29 | 0.055 | 1.83 | 260.71 |
| SSC-900 | 228.86 | 0.048 | 2.04 | 198.84 |

[a] Specific surface area was calculated with Brunauer-Emmett-Teller method. [b] The total pore volume was determined at a relative pressure of 0.99