

Supporting Information

Molten salt assisted fabrication of coal-based carbon anode materials for efficient Na ion storage

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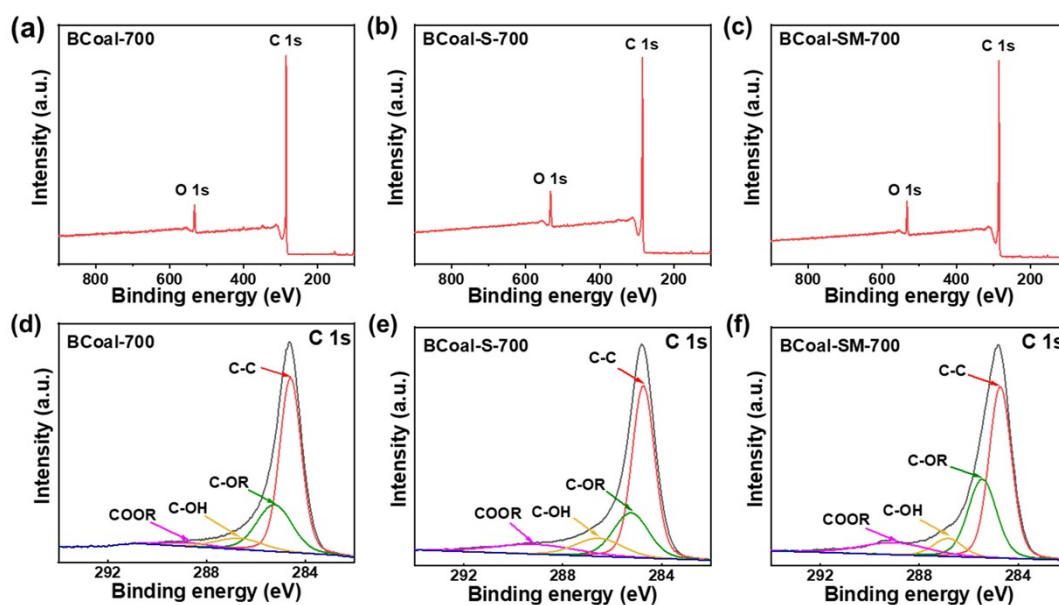


Fig. S1 (a-c) XPS total spectrum and (d-f) C 1s peak curve of coal-based carbon materials BCoal-700, BCoal-S-700 and BCoal-SM-700 in molten salt system.

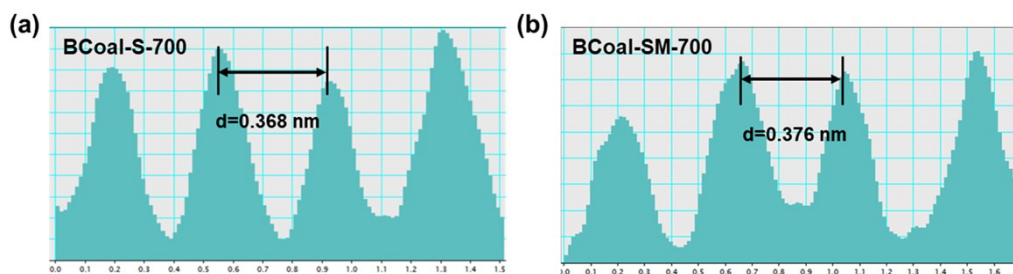


Fig. S2 The fast Fourier transform (FFT) patterns of (a) BCoal-S-700 and (b) BCoal-SM-700.

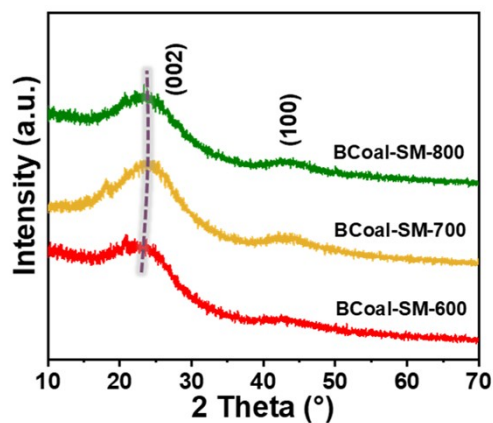


Fig. S3 XRD patterns of coal-based carbon materials in molten salt system at different pyrolysis temperatures.

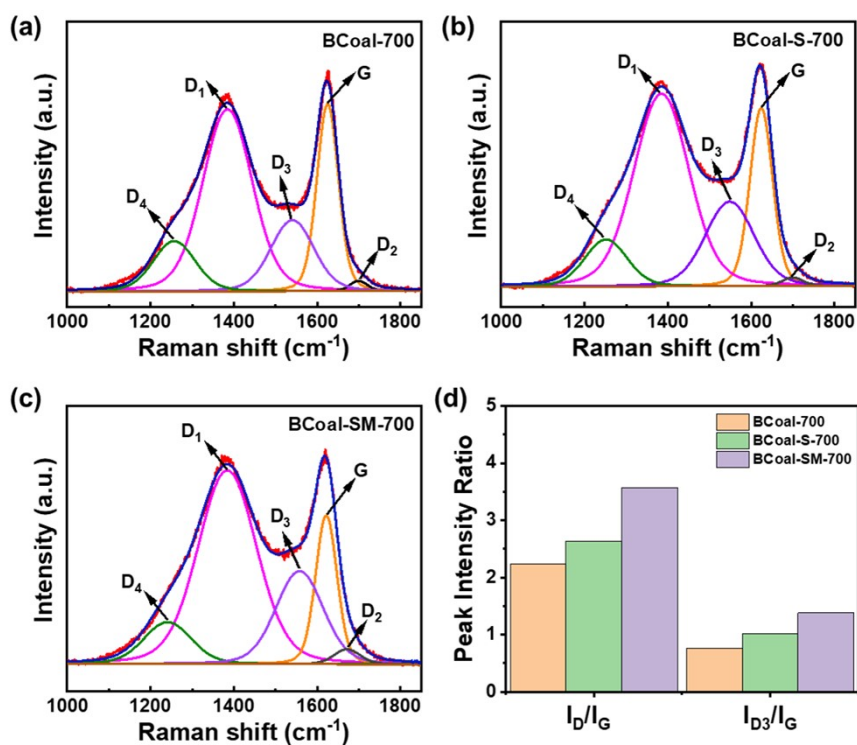


Fig. S4 Raman spectra of (a) BCcoal-700, (b) BCcoal-S-700 and (c) BCcoal-SM-700, and (d) the corresponding peak intensity ratio.

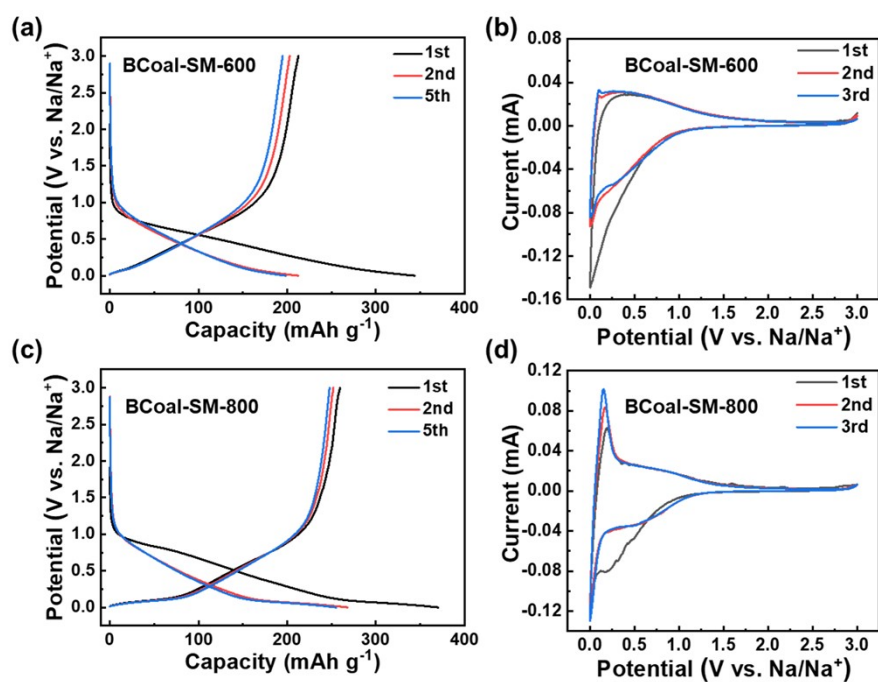


Fig. S5 Charge/discharge curve at 0.1 C for (a) BCoal-SM-600 and (c) BCoal-SM-800; CV curve at 0.1 mV s⁻¹ for (b) BCoal-SM-600 and (d) BCoal-SM-800.

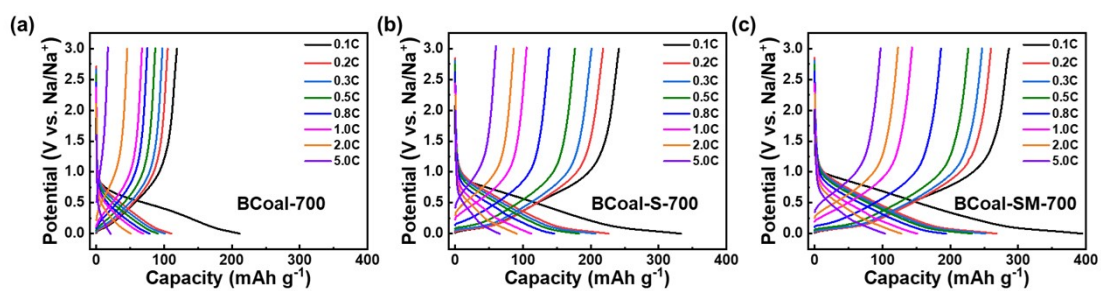


Fig. S6 The charge/discharge curves at different current rates of the (a) BCoal-700, (b) BCoal-S-700 and (c) BCoal-SM-700 electrodes.

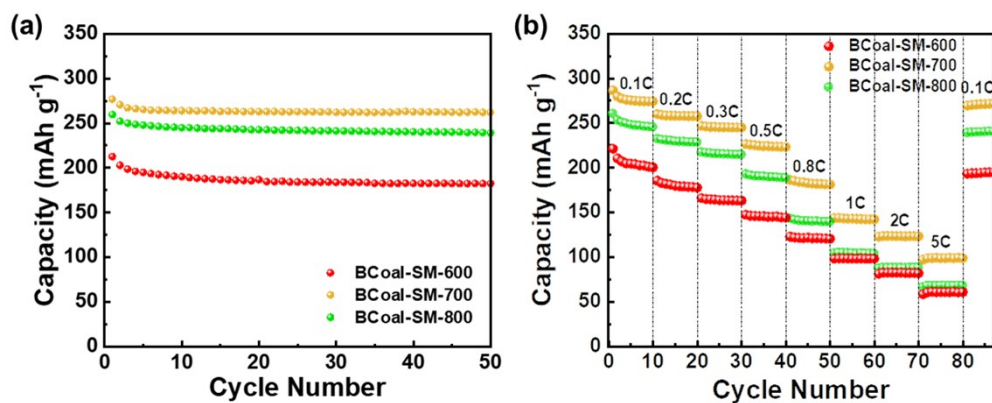


Fig. S7 (a) cycle performance at 0.1C and (b) rate performance of coal-based carbon materials in molten salt system at different pyrolysis temperatures.

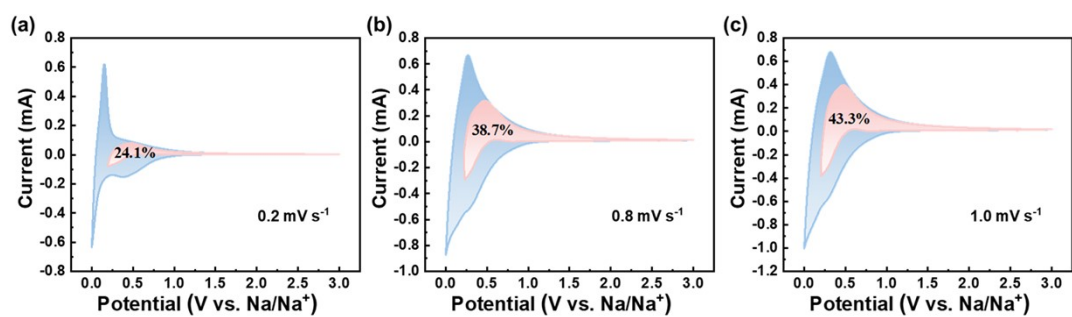


Fig. S8 Pseudo-capacitance contribution of BCoal-SM-700 electrode at different scanning rates.