

Electronic Supplementary Information

A high-energy-density supercapacitor with graphene-CMK-5 as electrode and ionic liquid as electrolyte

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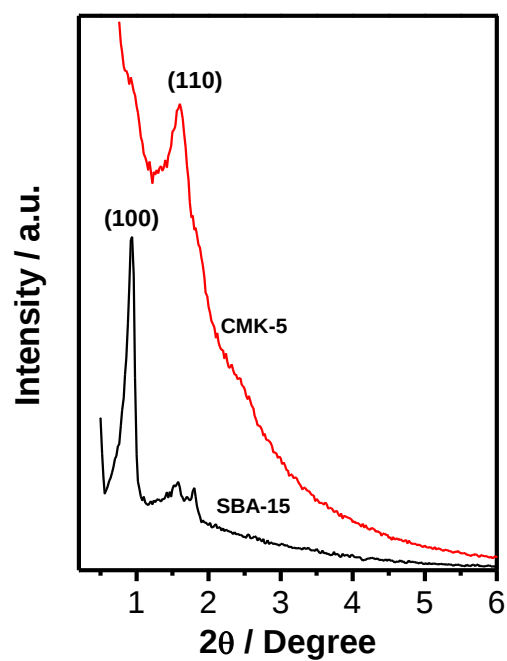


Fig. S1. Low-angle XRD patterns of SBA-15 and CMK-5.

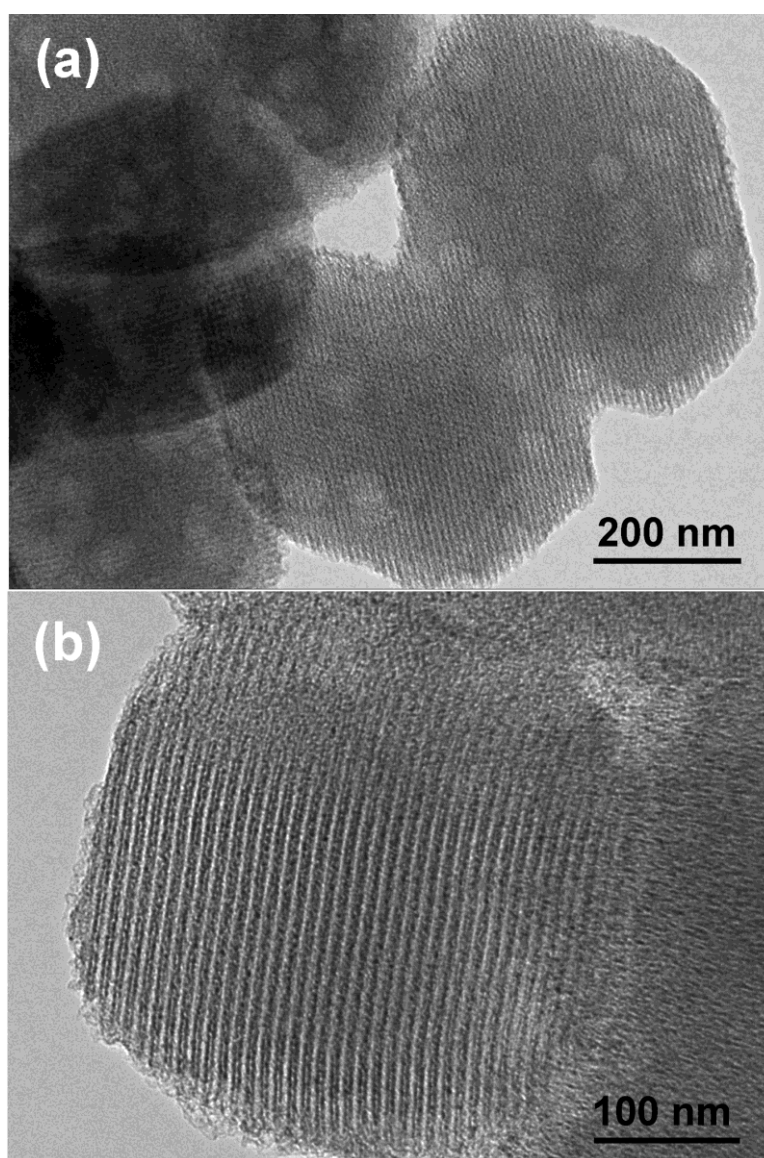


Fig. S2. TEM images of CMK-5 platelet with different magnifications.

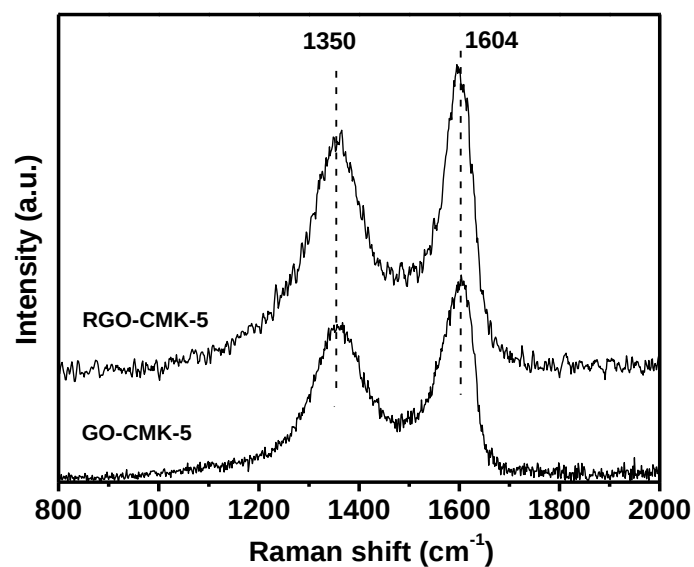


Fig. S3. Raman spectra of GO-CMK-5 (before thermal annealing) and RGO-CMK-5 composite (after thermal annealing).

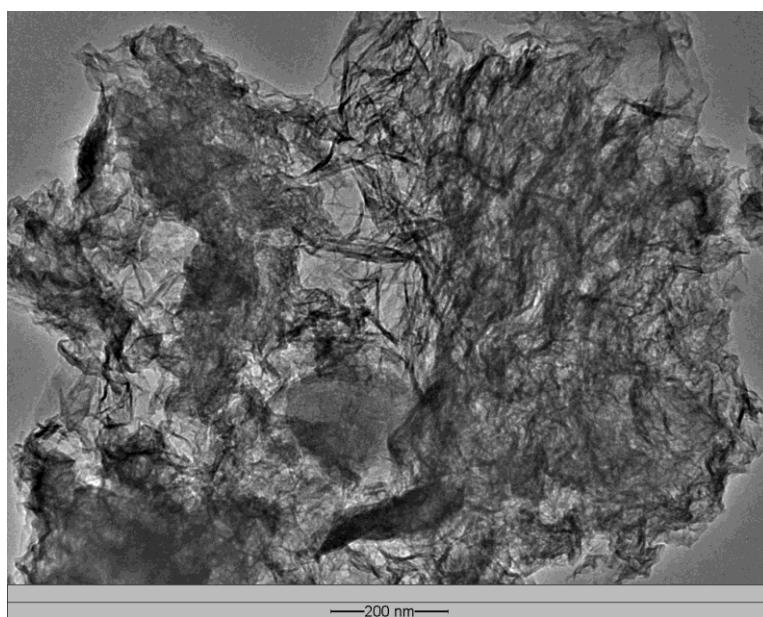


Fig. S4. Representative TEM image of thermally annealed RGO-800 without the incorporation of mesoporous carbon CMK-5 spacer.

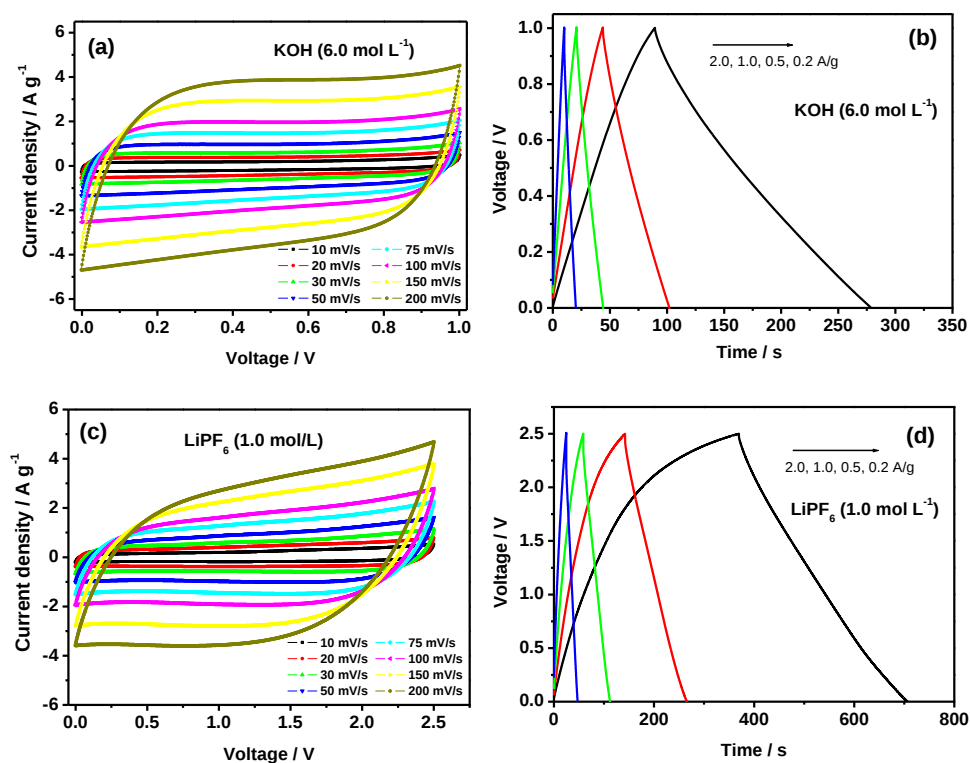


Fig. S5. CV (a, c) and charge-discharge (b, d) curves of RGO-CMK-5 electrode measured in 6.0 mol L⁻¹ aqueous KOH (a, b) and 1.0 mol L⁻¹ LiPF₆ in EC/DMC electrolyte (c, d).