High Performance Nitrogen-Doped Porous Graphene/Carbon

Frameworks for Supercapacitors

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Fig.S1 SEM images of samples (a) GOP composites, (b) PPy.



Fig. S2 (a) Cyclic voltammograms of NPGCs activated GOP prepared with various GO/Py at scan rate of 1 mV s⁻¹ in 1M H₂SO₄, (b) Specific capacitances of NPGCs (GO:Py = 1:40) activated with various mass ratio of GOP to KOH at can rate changed from 1 to 100 mV s⁻¹ in 1M H₂SO₄.



Fig. S3 Cyclic coltammograms recorded from 1 to 100 mV s⁻¹ in 1M H_2SO_4 : (a) NPGC600, (b) NPGC650, (c) NPGC700, (d) NPC650.







Fig. S5 Nyquist plots before1st and after 1000th cycles: (a) NPGC600, (b) NPGC650, (c) NPGC700, (d) NPC650.