Supporting Information

A High-performance Hierarchical Graphene@Polyaniline@Graphene Sandwich Containing Hollow Structures for Supercapacitor Electrodes

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Supporting information S1:

The electrical conductivity of the obtained materials was measured by a four-probe method using compress pellets with a SDY-4 four-point probe meter (China). And the BET surface area was measured by nitrogen adsorption-desorption isotherm on a NOVA 2000e surface area and pore size analyzer (U.S.A.).

Table S1 Electrical conductivity and BET surface area of rGO, pure PANI, G@PANI and G@PANI@G.

Materials	Electrical Conductivity (S cm^{-1})	BET Surface Area (m^2 g^{-1})
rGO	89.3	317.5
Pure PANI	8.4	108.6
G@PANI	27.6	162.1
G@PANI@G	39.1	241.3

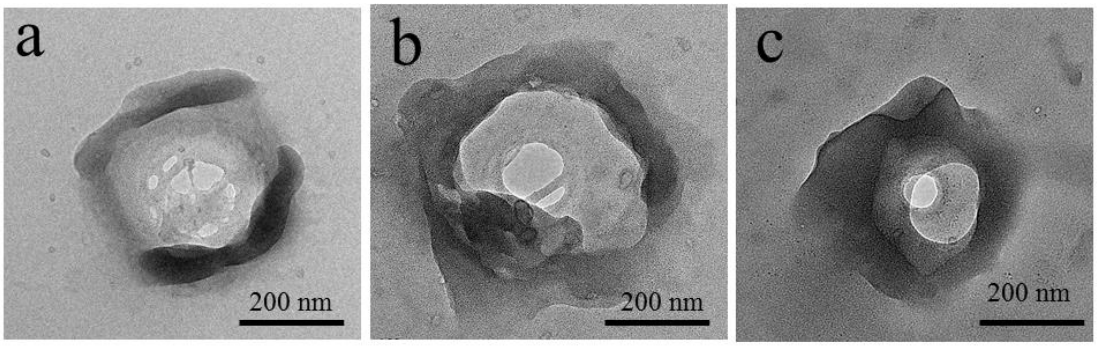

Figure S1 TEM images of G@PANI@G with different aniline concentrations: (a) 0.005 M; (b) 0.01 M and 0.02 M.

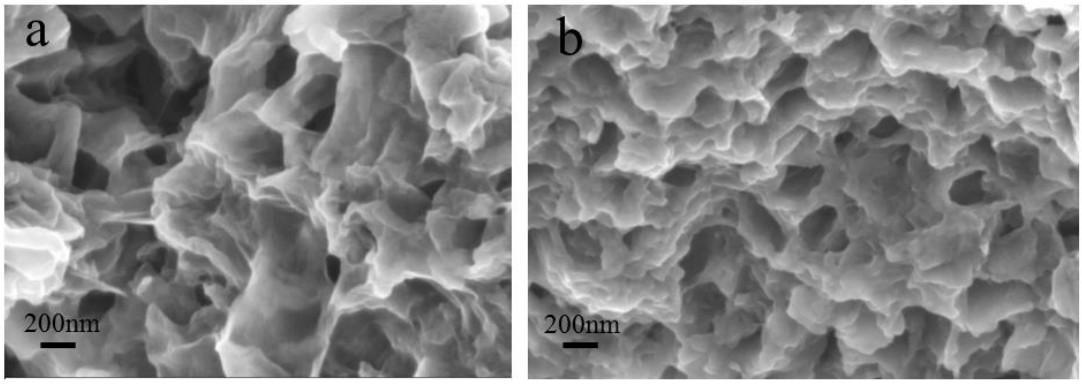

Figure S2 SEM images of G@PANI@G from SiO_2 spheres with different sizes: (a) 420 nm and (b) 100 nm.