Supporting Information for

Emulsion template synthesis of all conducting polymer aerogels with superb adsorption capacity and enhanced electrochemical capacitance

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Tables

Table SI1: Conductivity of the resulting PEDOT-S/PEDOT hydrogels, aerogels and compressed dried pellets with different initial molar ratios of EDOT-S to EDOT

Initial molar ratio of EDOT-S to EDOT	Conductivity (S/m)		
	Hydrogels	Aerogels	Compressed Dried Pellets
3:1	3.8	12.3	167.3
1:3	3.5	10.5	726.8

Table SI2: Porous properties of the resulting PEDOT-S/PEDOT aerogels

Sample ID	Initial molar ratio of EDOT-S to EDOT	Drying method	BET surface area(m^2/g)	Total pore volumes(cm^3/g)	Apparent density(g/cm^3)
1	3:1	Supercritical	216.39	0.67	0.1245
2	1:1	Supercritical	69.02	0.182	0.0965
3	1:1	Freeze drying	21.46	0.046	--
4	1:3	Supercritical	68.49	0.166	0.1079

Figures

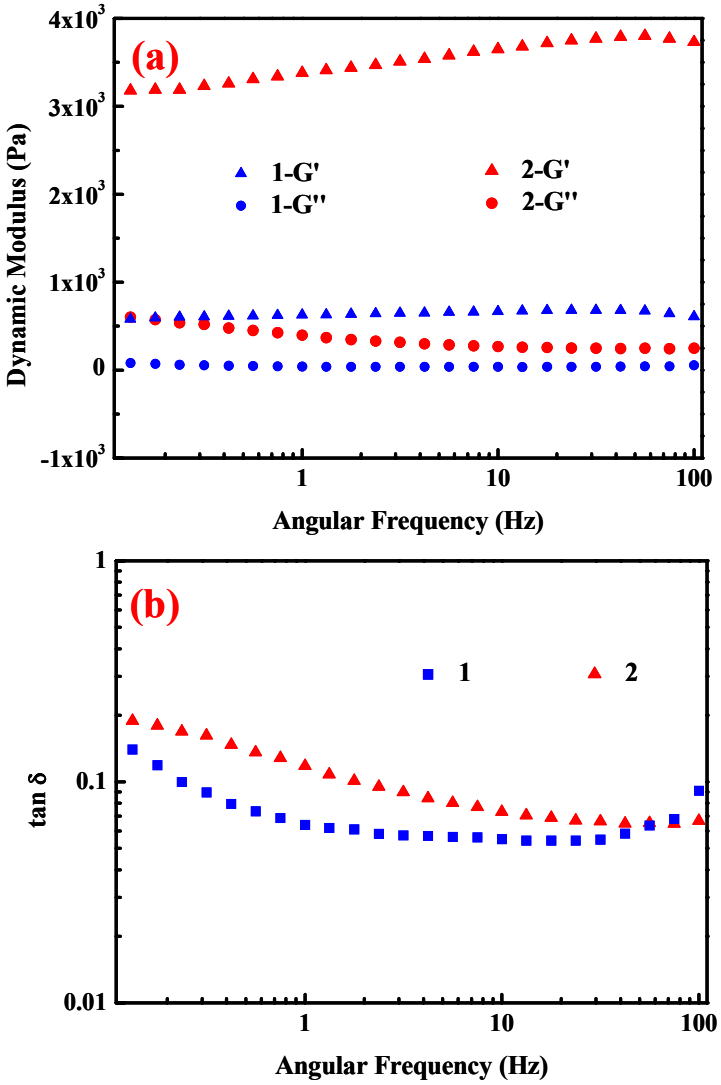

Fig.SI1 Rheological determination of the storage modulus (G'), loss modulus (G") and the loss tangent (tanδ) as the function of the angular frequency for the PEDOT-S/PEDOT hydrogels ("1" stands for hydrogel with the initial molar ratio of EDOT-S to EDOT 3:1; while "2" stands for hydrogel with the initial molar ratio of EDOT-S to EDOT 1:3

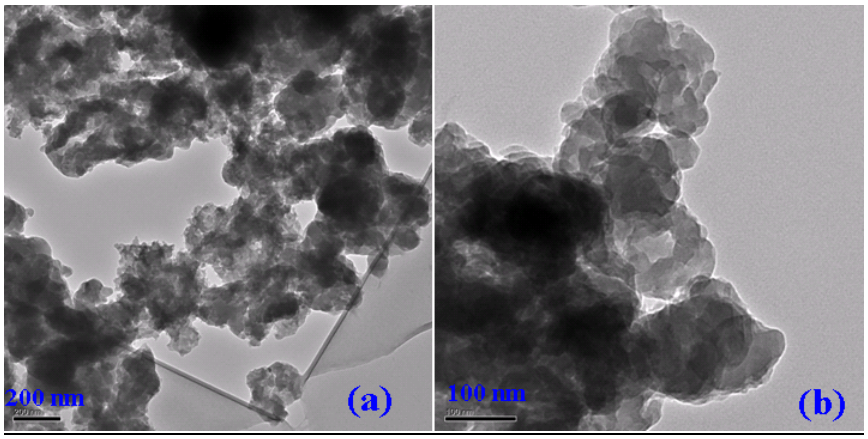

Fig.SI2 TEM images of the resulting PEDOT-S/PEDOT aerogels with different magnification