Supplementary Information for

A One-Step Site-Specific Activation Approach for Preparation of Hierarchical Porous Carbon Materials with High Electrochemical Performance

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This file includes:

Figure S1-13

Table S1

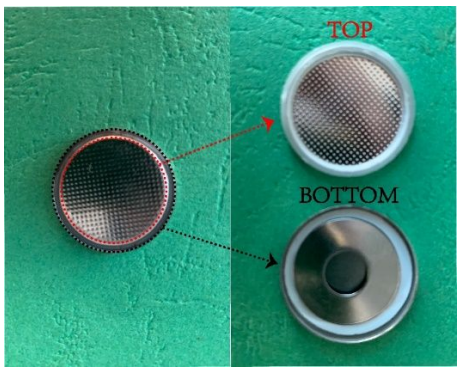

Figure S1 the symmetric supercapacitor device (The left side is the assembled symmetric supercapacitor device, and the right side is the internal structure of the symmetric supercapacitor device)

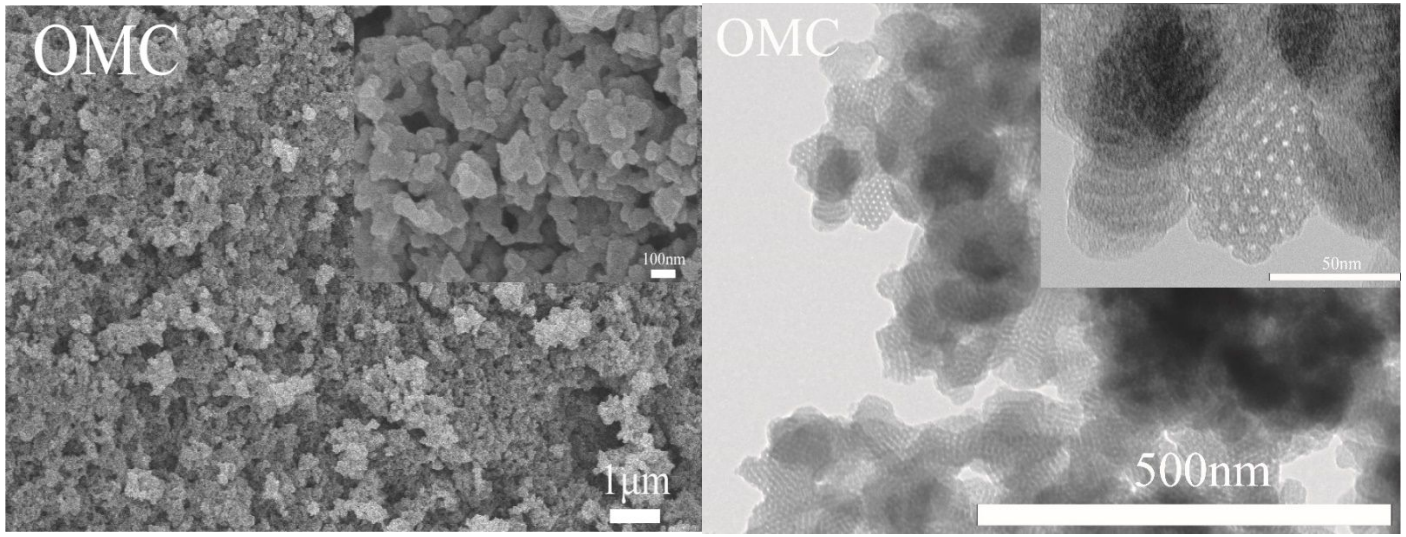

Figure S2 SEM and TEM images of OMC

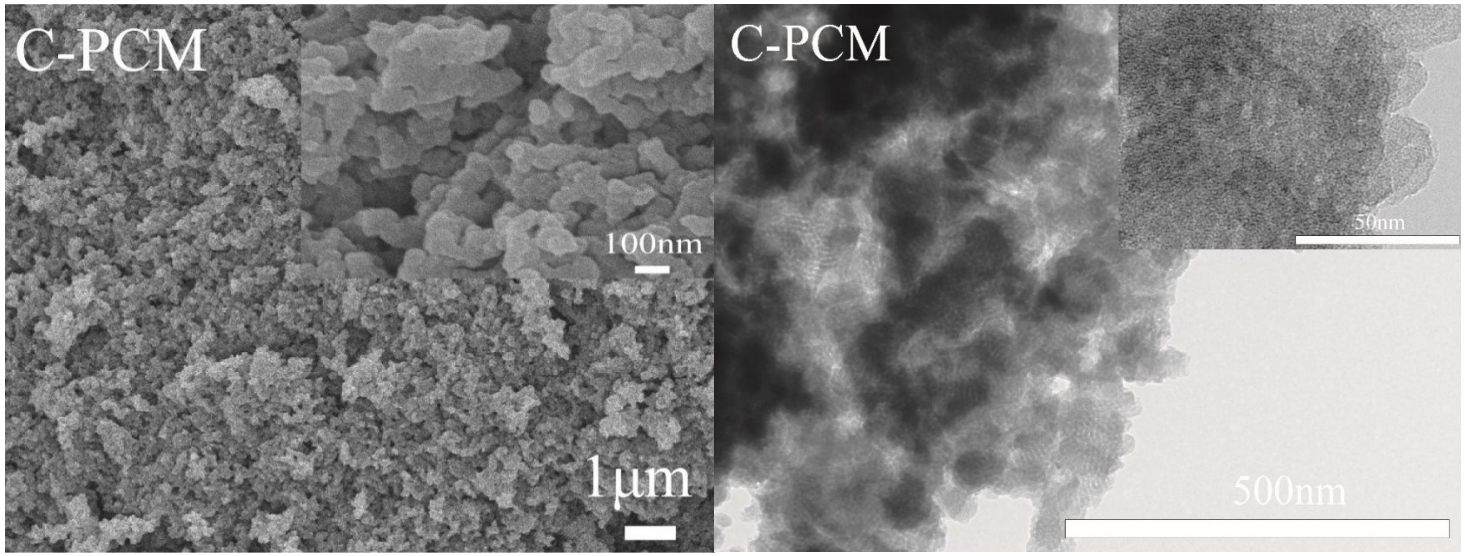

Figure S3 SEM (1μm scale and 100nm scale) and TEM (500nm scale and 50nm scale) images of C-PCM

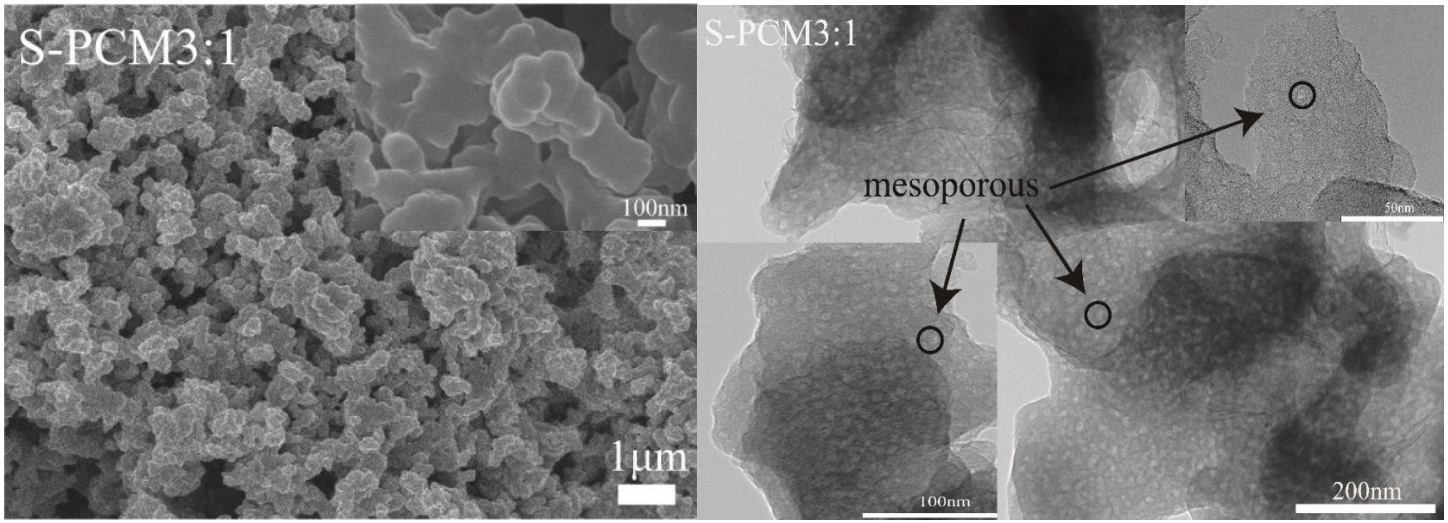

Figure S4 SEM (1μm scale and 100nm scale) and TEM (200nm scale, 100nm sacle and 50nm scale) images of S-PCM3:1

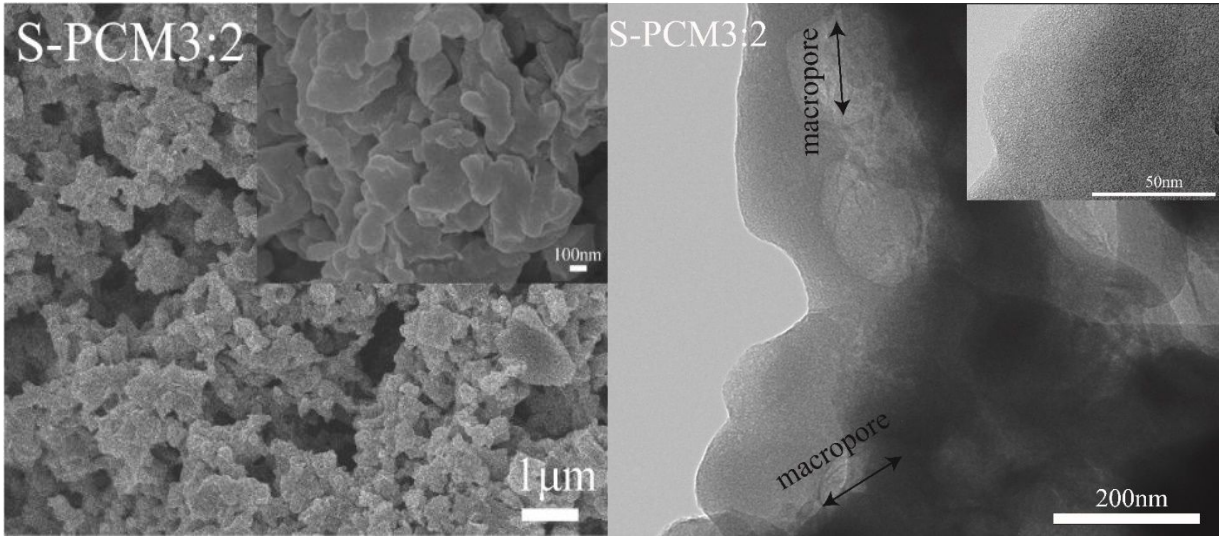

Figure S5 SEM (1μm scale and 100nm scale) and TEM (200nm scale, 100nm sacle and 50nm scale) images of S-PCM3:2

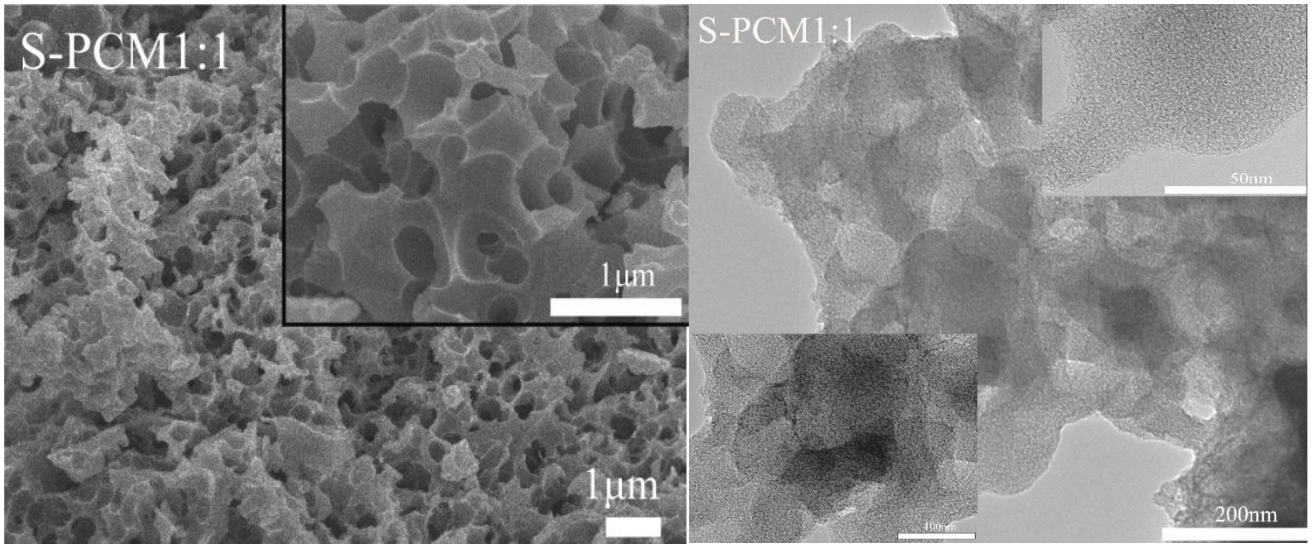

Figure S6 SEM (1μm scale) and TEM (200nm scale, 100nm sacle and 50nm scale) images of S-PCM1:1

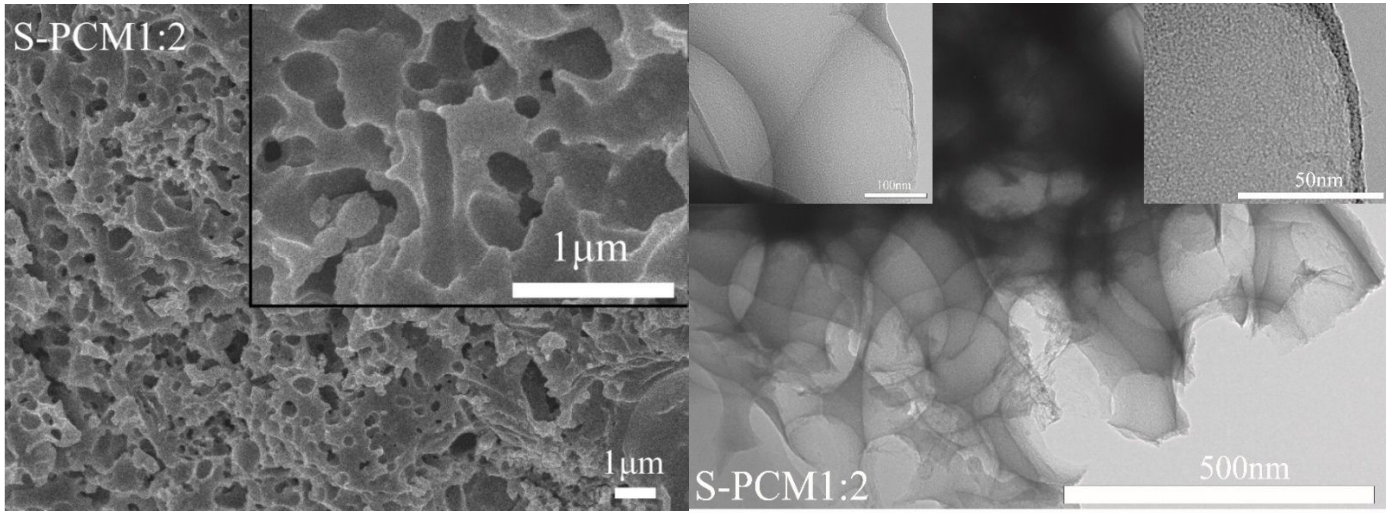

Figure S7 SEM (1μm scale) and TEM (500nm scale, 100nm sacle and 50nm scale) images of S-PCM1:2

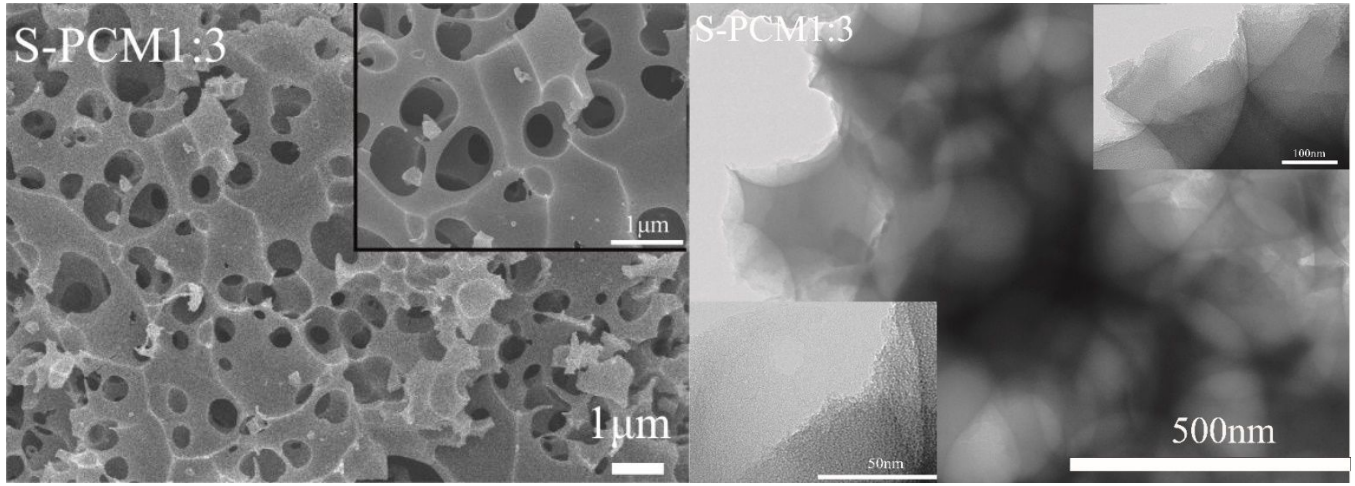

Figure S8 SEM (1μm scale) and TEM (500nm scale, 100nm sacle and 50nm scale) images of S-PCM1:1

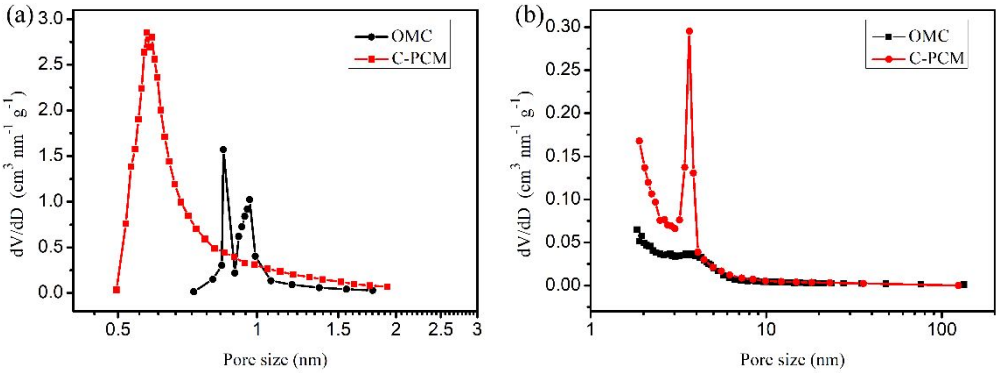

Fig. S9 (a) micropore size distributions of OMC and C-PCM via Harvath-kawazoe (HK) method, (b) mesopore size distributions of OMC and C-PCM via Barrett-Joyner-Halenda (BJH) method

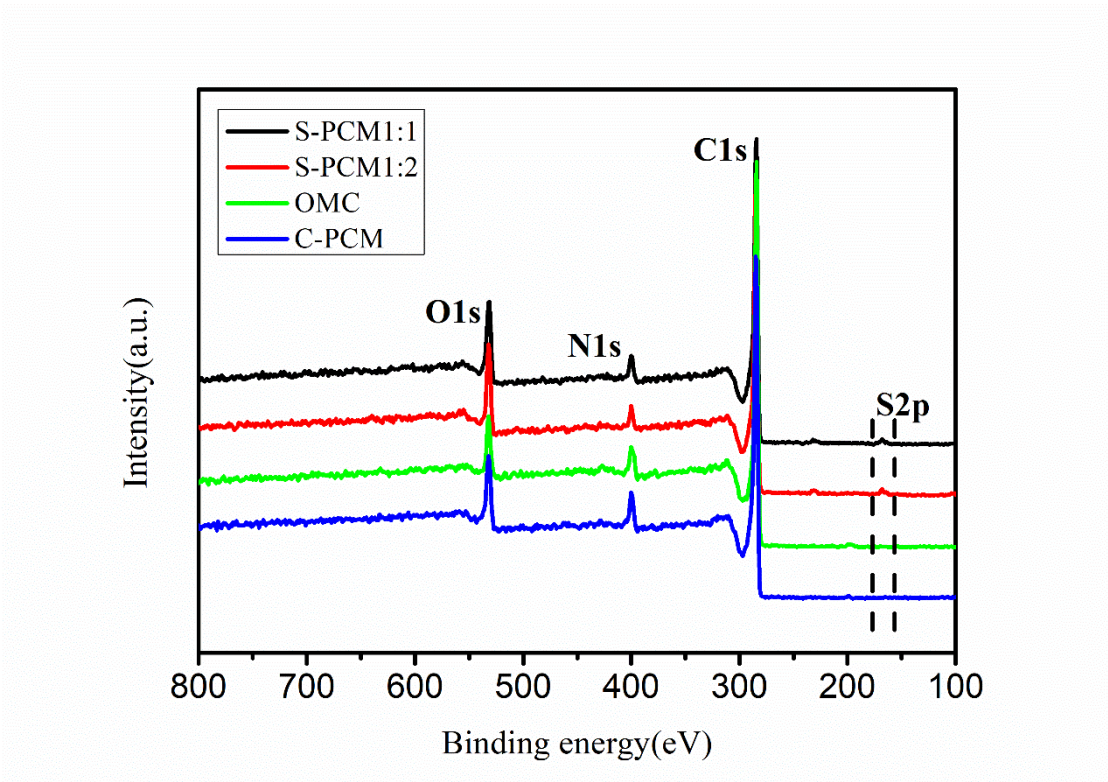

Fig. S10 XPS of S-PCM1:1, S-PCM1:2, OMC and C-PCM.

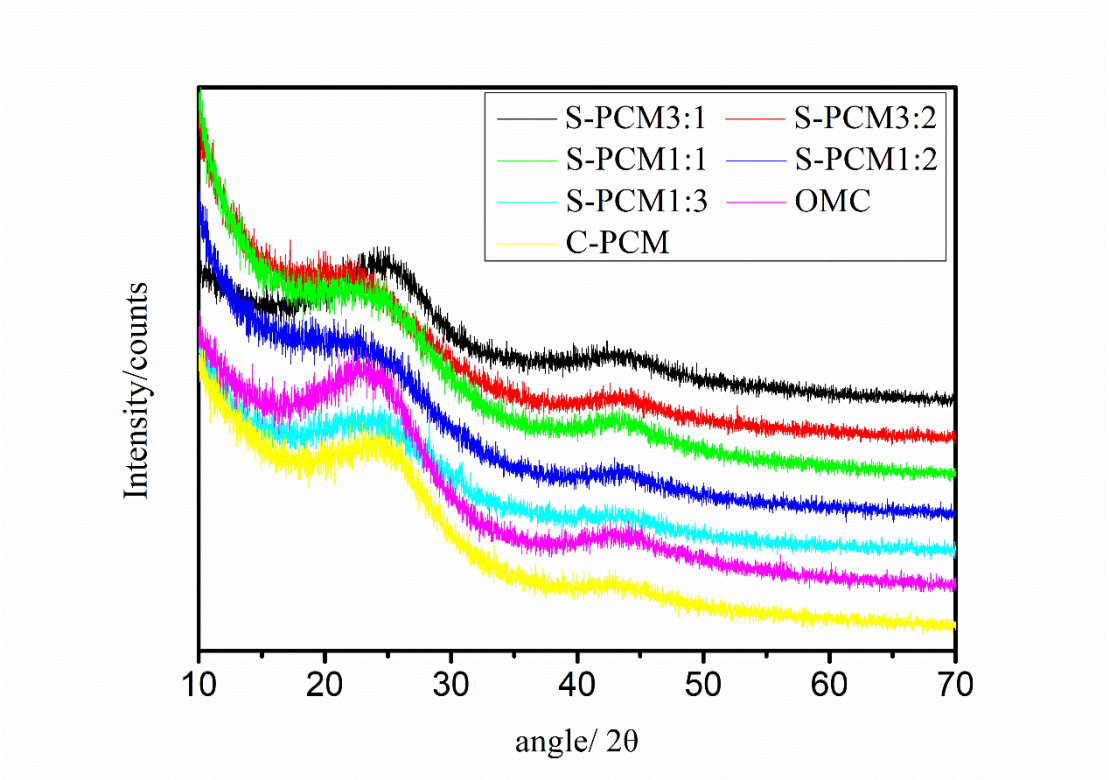

Fig. S11 XRD analysis of all the as-prepared samples

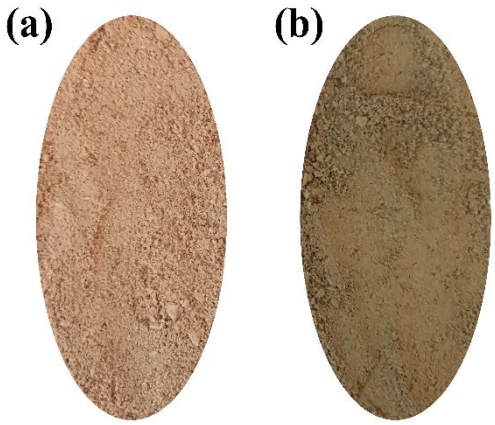

Fig.S12 (a) hydrothermal products;(b) the mixture of hydrothermal products with KOH

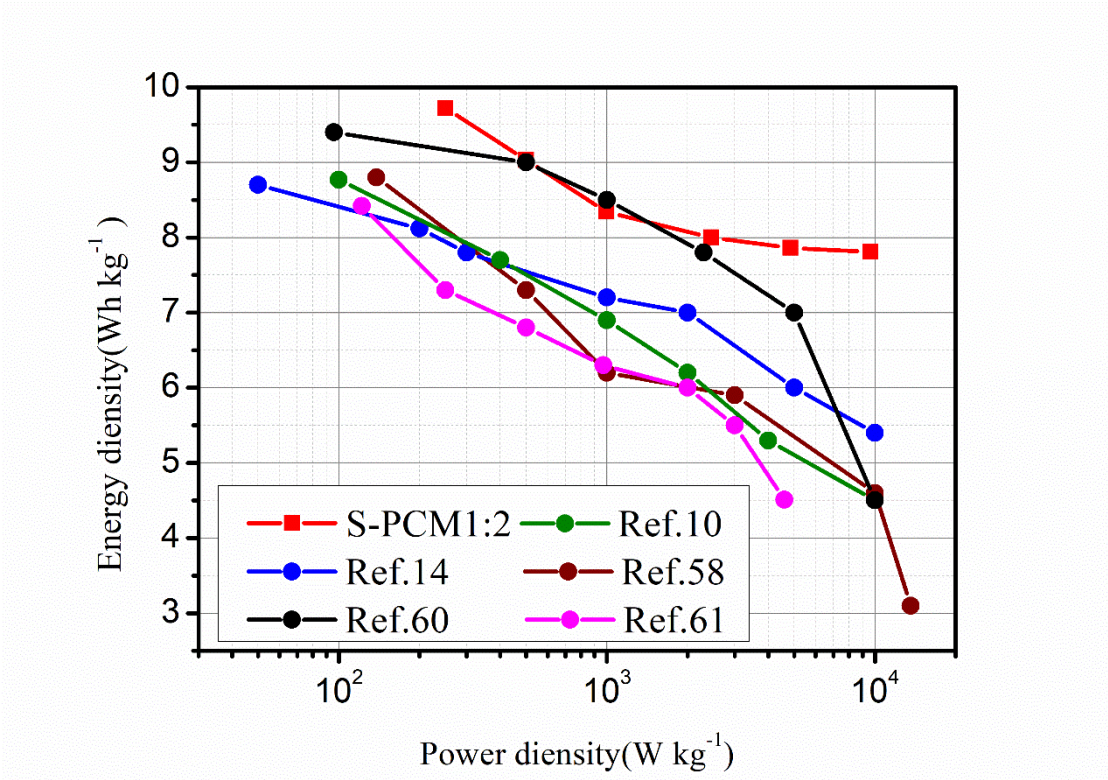

Fig.S13 Ragone plots of S-PCM1:2 based symmetric supercapacitors in 1M H_2SO_4 electrolyte

References

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Table S1 Elementary composition of prepared materials from XPS

Sample	Element content (at%)			
	C	N	O	S
	(at%)	(at%)	(at%)	(at%)
OMC	87.14	5.88	6.73	0.25
C-PCM	84.49	8.74	6.61	0.16
S-PCM1:1	83.22	4.89	11.04	0.85
S-PCM1:2	84.03	4.66	10.34	0.97