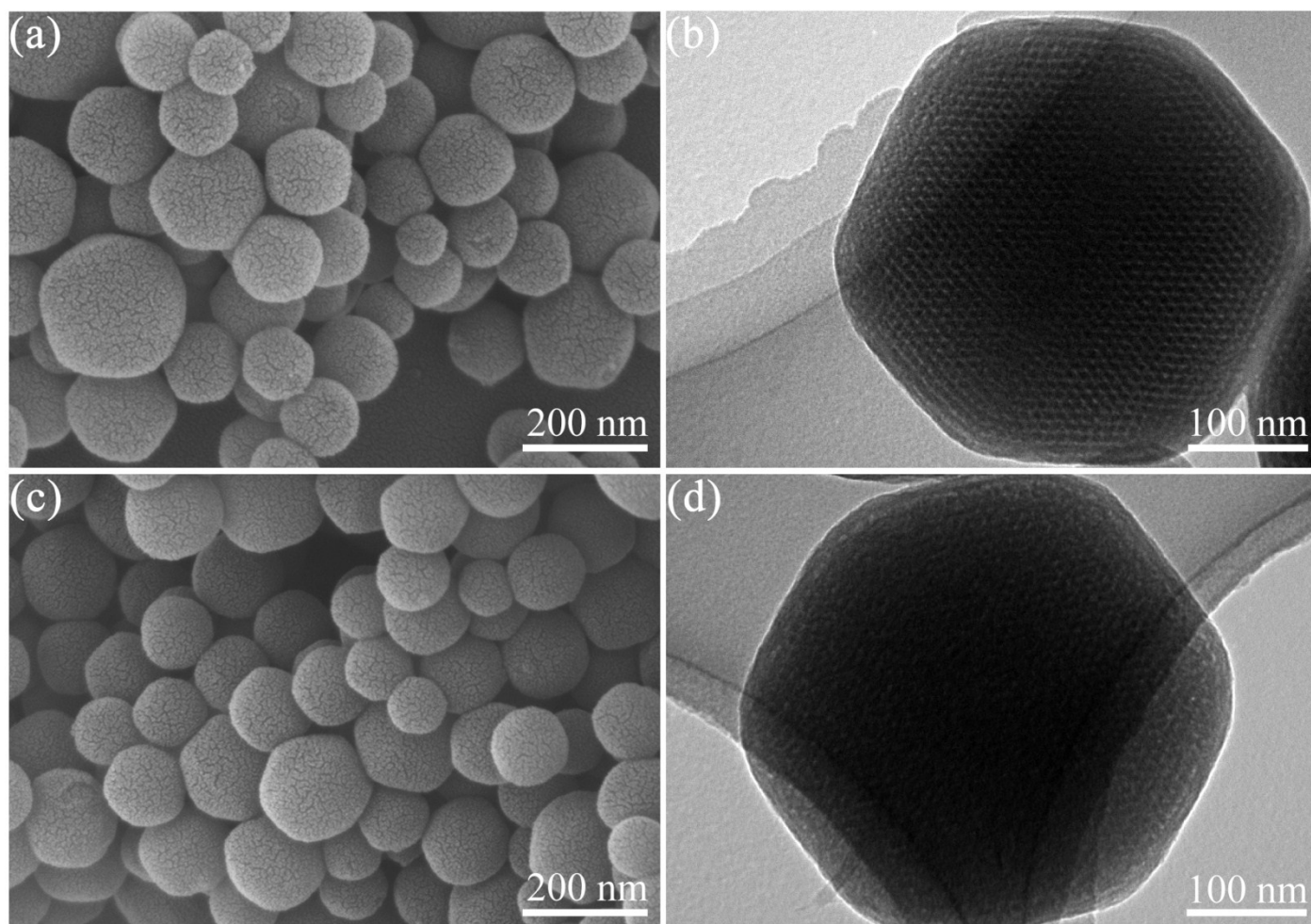
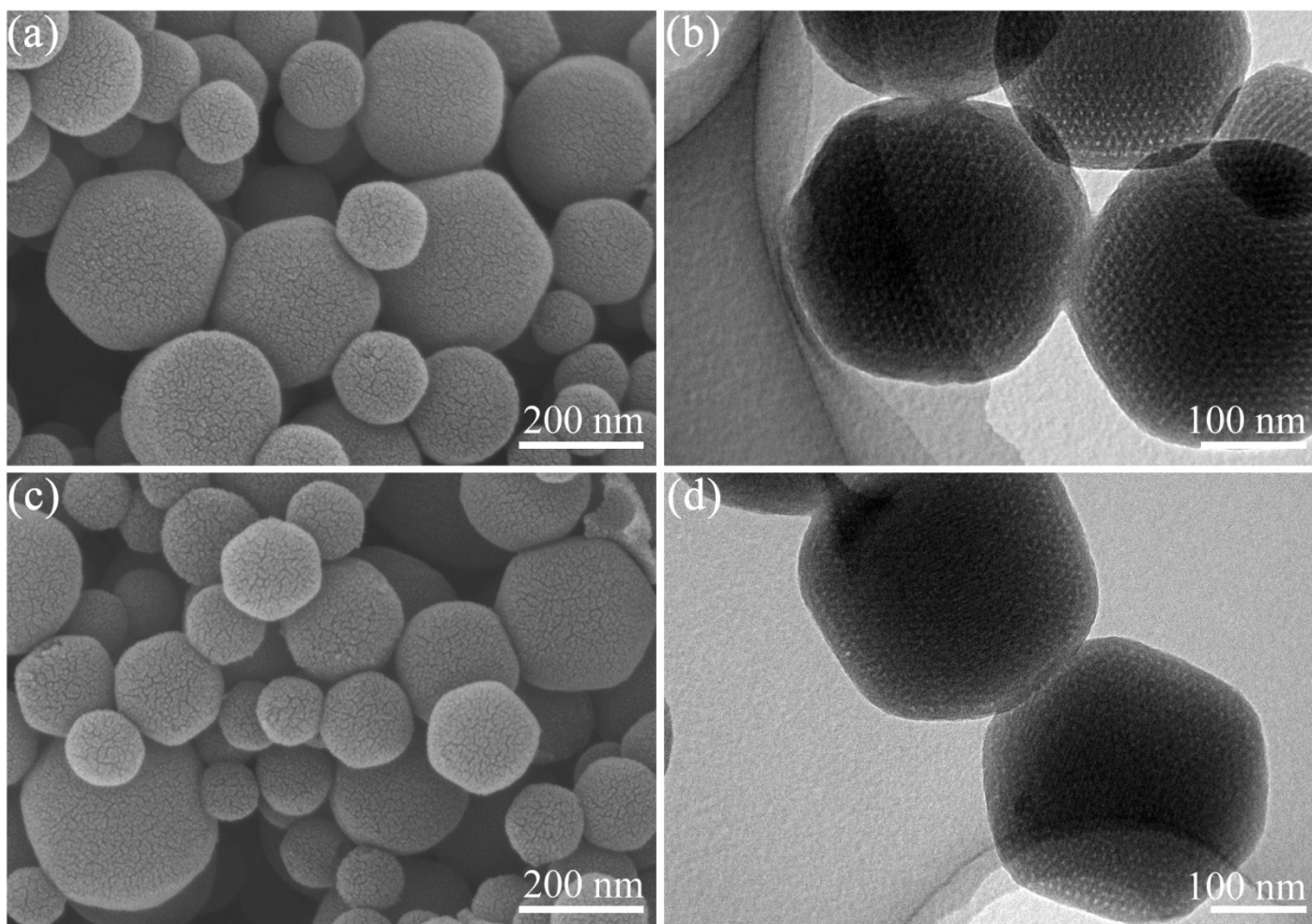


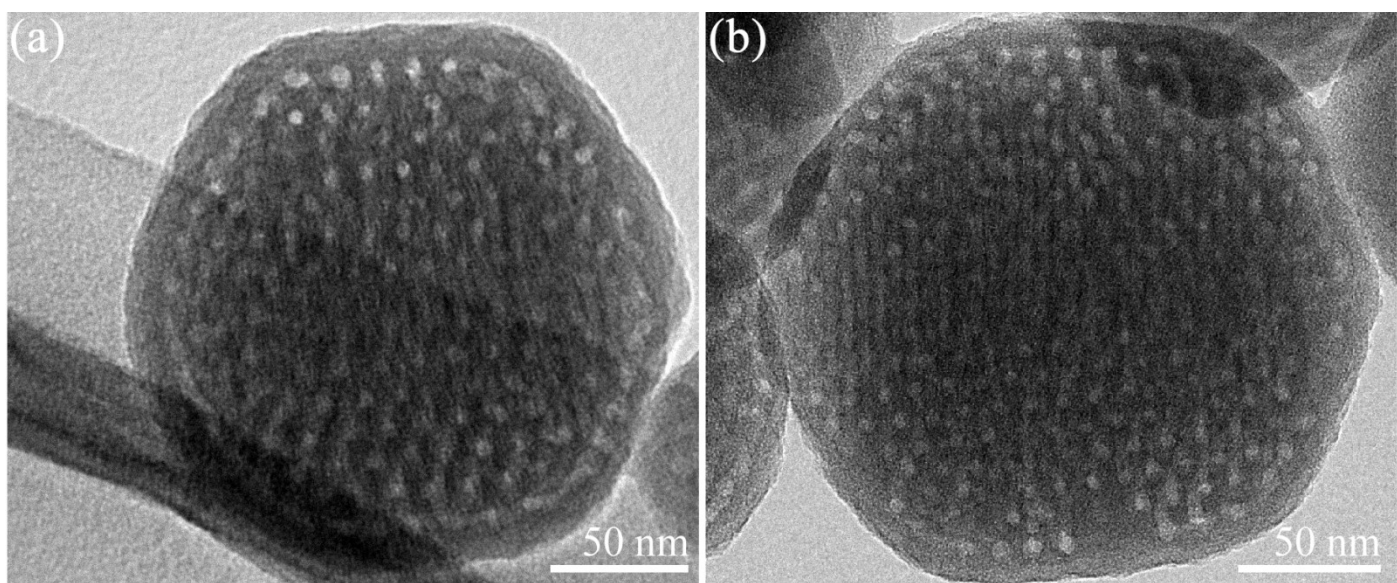
**Figure S1** SAXS patterns of as-prepared polymer particles (N/C-1, N/C-2, N/C-3, N/C-4, and N/C-5).



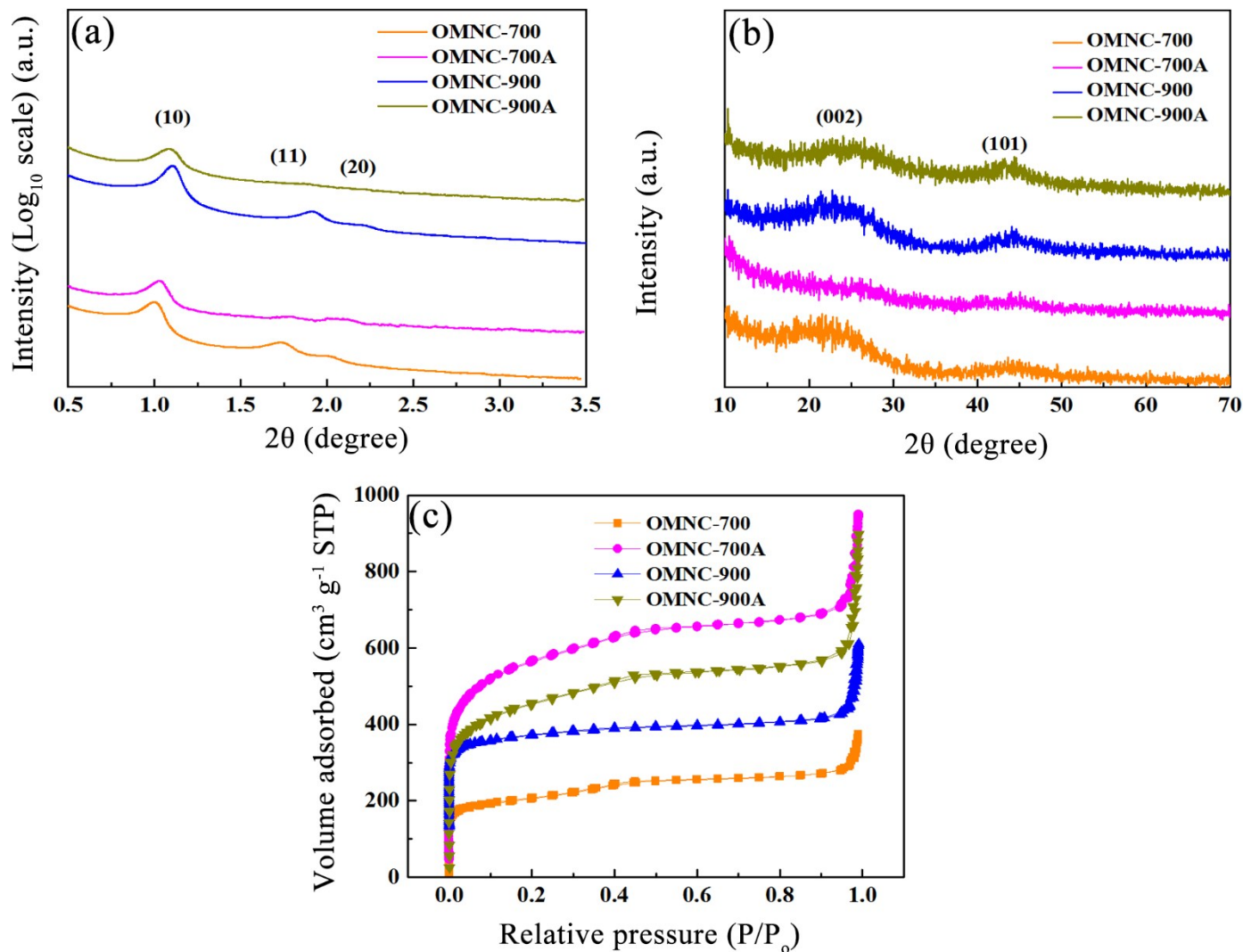
**Figure S2** SEM and TEM images of (a, b) OMNC-700 carbonized at 700 °C and (c, d) corresponding activated product OMNC-700A.



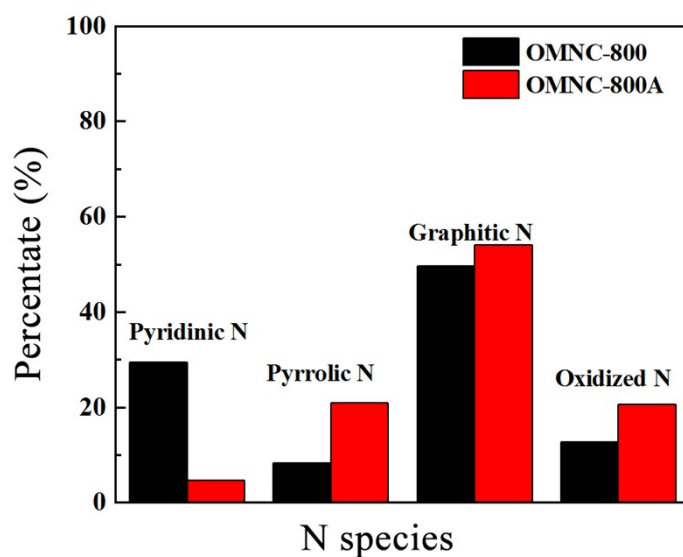
**Figure S3** SEM and TEM images of (a, b) OMNC-900 carbonized at 900 °C and (c, d) corresponding activated product OMNC-900A.



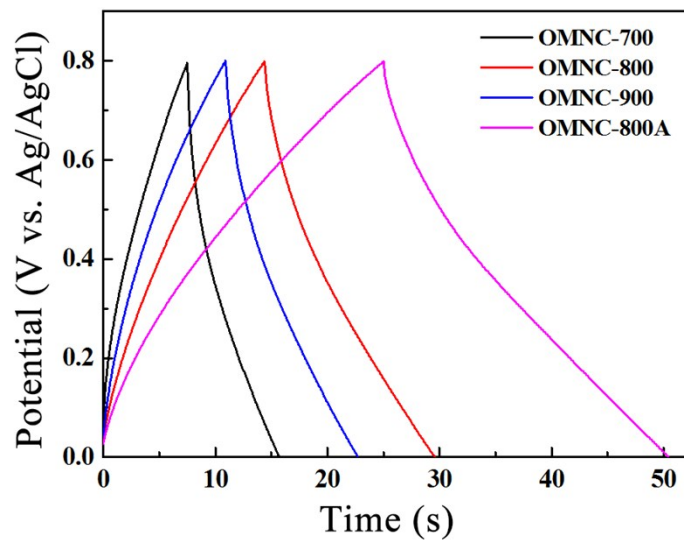
**Figure S4** TEM images of OMNC-800 with internal mesochannel structure.



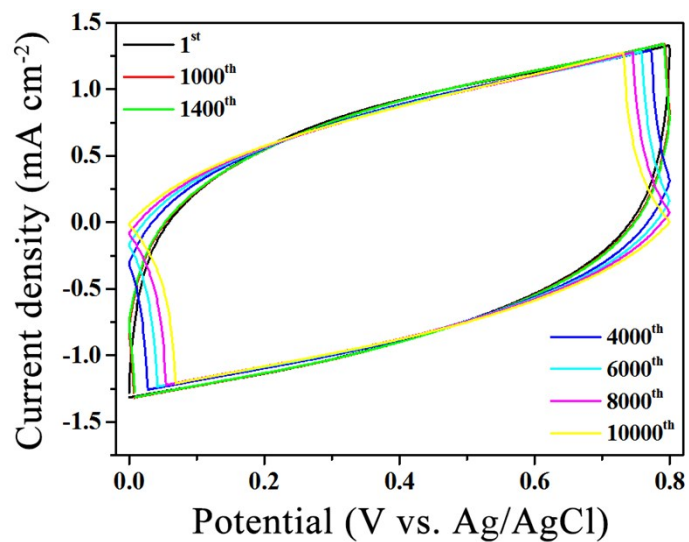
**Figure S5** (a) SAXS patterns, (b) XRD patterns, and (c) N<sub>2</sub> adsorption-desorption isotherms of OMNC-*T* and OMNC-*TA* (*T* = 700, 900).



**Figure S6** Relative content of N species in OMNC-800 and OMNC-800A.



**Figure S7** Galvanostatic charge-discharge curves of OMNC-*T* and OMNC-800A at a current density of 10.0 A g<sup>-1</sup>.



**Figure S8** Selected CV curves of OMNC-800A at scan rate of 100 mV s<sup>-1</sup>.

**Table S1** Electrochemical performance of OMNC-800A and previously reported carbon materials in three electrode system.

Samples	Specific surface area (m <sup>2</sup> g <sup>-1</sup> )	Electrolyte	Current Density (A g <sup>-1</sup> )	Specific capacitance (F g <sup>-1</sup> )	Reference
OMNC-800A	2450.2	1 M H <sub>2</sub> SO <sub>4</sub>	0.5	475.8	Present work
A-NMC	2828.8	1 M H <sub>2</sub> SO <sub>4</sub>	0.5	388.0	R1
MC	2012.0	6 M KOH	1.0	259.0	R2
HPC	1171.0	6 M KOH	0.5	249.2	R3
NOMC	1159.0	6 M H <sub>2</sub> SO <sub>4</sub>	0.5	281.0	R4
NACS	1994.0	6 M KOH	1.0	352.7	R5
PCS	621.0	6 M KOH	1.0	227.0	R6
3DGF-MCS	676.9	1 M HCl	0.5	288.8	R7

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