

Supplementary Information

Mesopore-dominant wormholelike carbon with high supercapacitive performance in organic electrolyte

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Table S1 Desolvated and solvated ion sizes of different electrolyte.^{1,2}

Ion type	TEA ⁺	BF ₄ ⁻	K ⁺	OH ⁻	SO ₄ ⁻	H ⁺
Desolvated ion size (nm)	0.67	0.48	0.27	0.35	0.58	--
Solvated ion size (nm)	1.3	1.2	0.66	0.6	0.76	0.56

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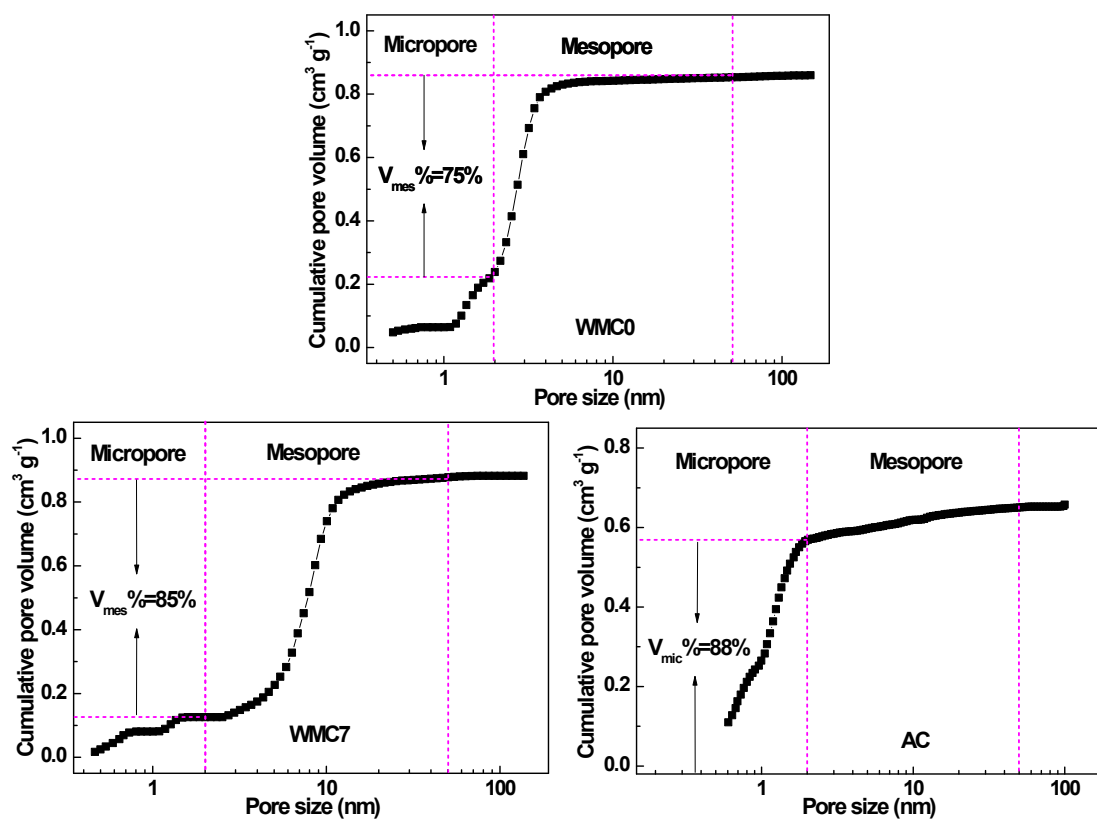


Figure S1. DFT cumulative pore volume curves of the samples.

References

1. E. Nightingale Jr, *The Journal of Physics and Chemistry*, 1959, 63, 1381–1387;
2. J. Chmiola, C. Largeot, P.-L. Taberna, P. Simon and Y. Gogotsi, *Angewandte Chemie-International Edition*, 2008, 47, 3392-3395.