

Electronic Supplementary Information

A “Ship-in-a-Bottle” Strategy to Fabricate Highly Crystallized Nanoporous Graphitic C₃N₄ Microspheres under Pressurized Condition

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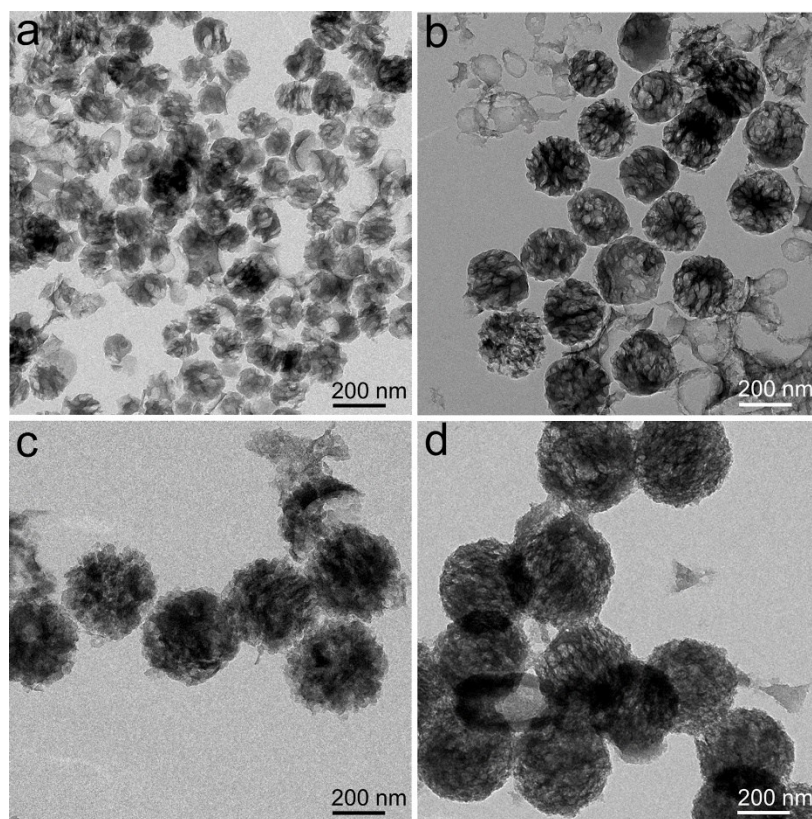


Fig. S1 TEM images for Np-CNMs with different diameters by using different HM-SiO₂ as the vessels. (a) 140, (b) 244, (c) 377, (d) 397 nm.

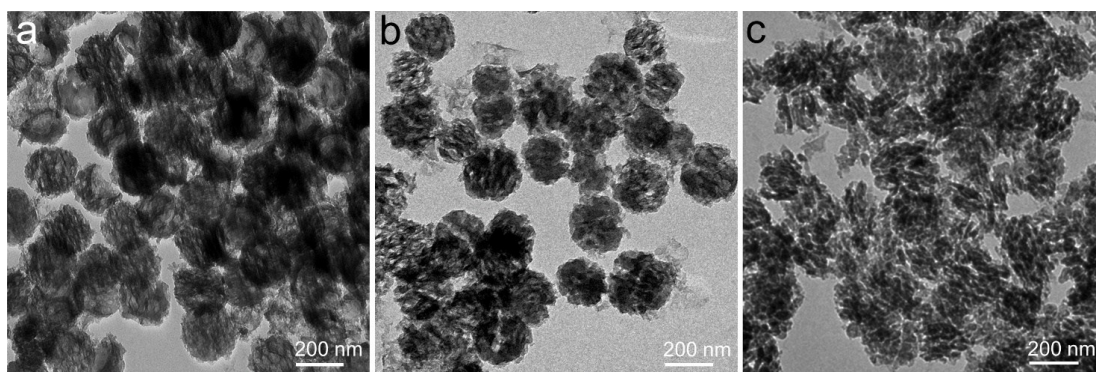


Fig. S2 The TEM images for Np-CNMs obtained at (a) 0, (b) 0.03 and (c) 0.15 MPa.

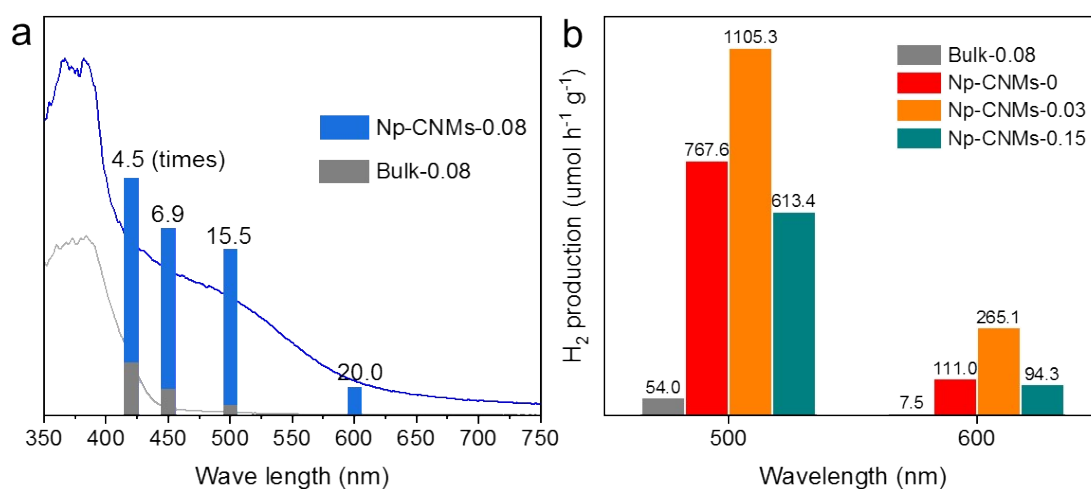


Fig. S3 Wavelength-dependent hydrogen evolution obtained using band-pass filters (a) at 420, 450, 500, 600 nm for Bulk-0.08, Np-CNMs-0.08 and (b) at 500, 600 nm for other Np-CNMs, using Bulk-0.08 as the reference.

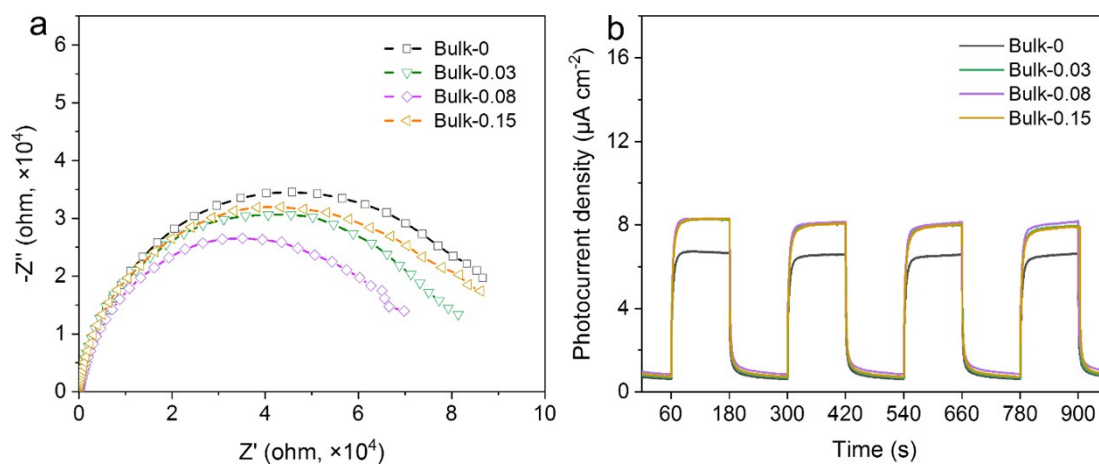


Fig. S4 (a) Electrochemical impedance spectroscopies and (b) transient photocurrent densities for bulk $\text{g-C}_3\text{N}_4$ obtained under different atmospheric pressure.

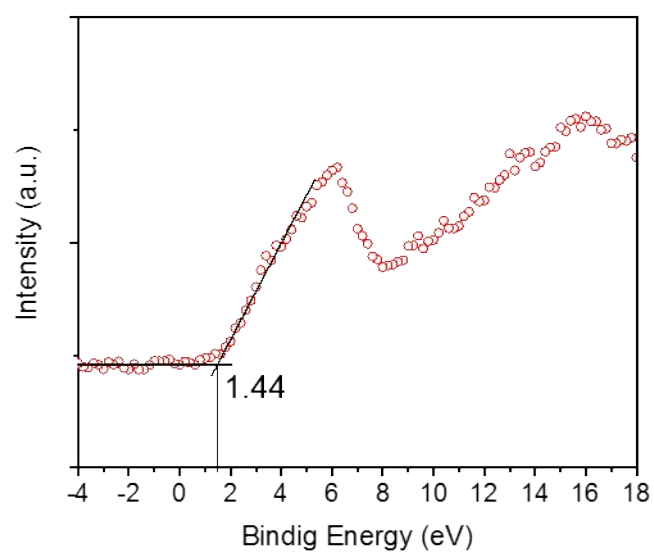


Fig. S5 Valence band XPS spectra for Np-CNMs-0.08.