

Electronic Supplementary Information (ESI)

Porous ZnO-ZnSe nanocomposites for visible light photocatalysis

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ZnO-ZnSe (core-shell) structures

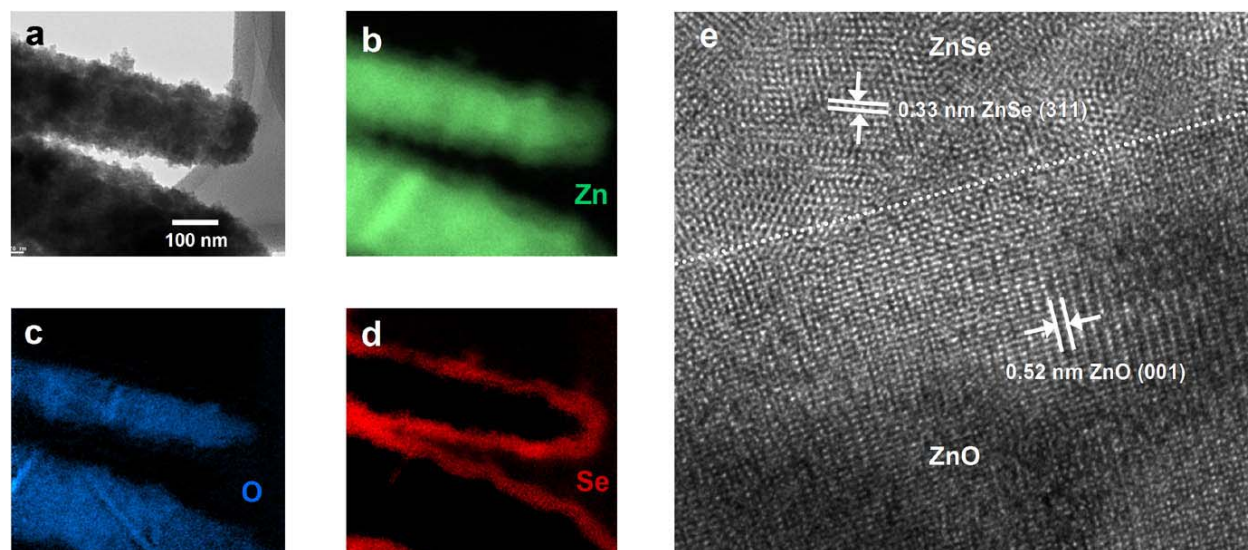


Figure S1. (a) TEM image of ZnO/ZnSe (core/shell) structures. ZnO nanorods were used as precursors. EELS elemental mapping of the building blocks: (b) Zn, (c) O, and (d) Se. (e) HR-TEM image of a ZnO/ZnSe (core/shell) structure.

Photocatalytic H₂ evolution tests

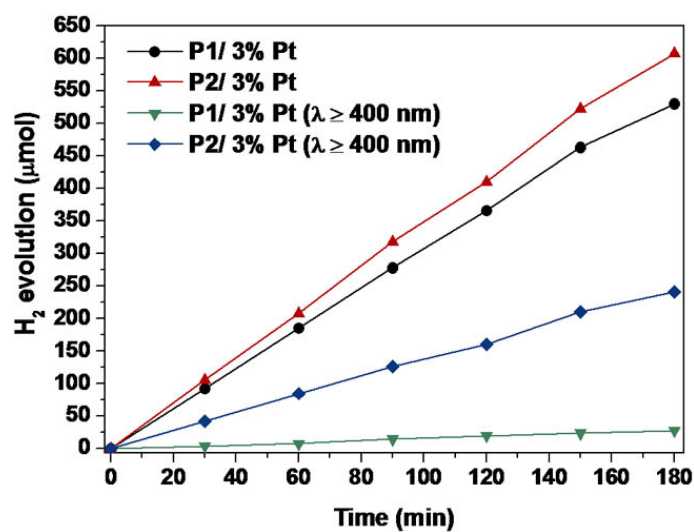


Figure S2. Photocatalytic activities for H₂ evolution. Experimental conditions: 3% Pt-loaded P1 (50 mg), 3% Pt-loaded P2 (50 mg) 100 mL aqueous solution containing 0.25 M Na₂S and 0.35 M Na₂SO₃; light source: Hg lamp (500 W).