

Photochemical synthesis of ZnO/Ag₂O heterostructures with enhanced ultraviolet and visible photocatalytic activity

Shuaishuai Ma,[‡] Jinjuan Xue,[‡] Yuming Zhou,^{*} Zewu Zhang

^{*} Corresponding author. Tel.: +86 25 52090617; fax: +86 25 52090617.

E-mail address: ymzhou@seu.edu.cn (Yuming Zhou).

[‡]S.S. Ma and J.J. Xue contributed equally to this work.

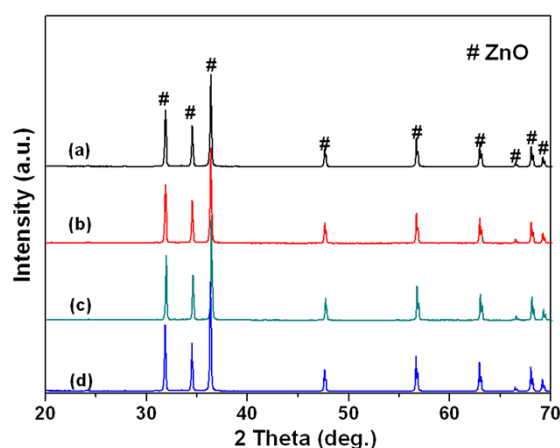


Fig. S1 XRD patterns of the samples synthesized in dark under different experiment conditions: with deionized water as the solvent under (a) air atmosphere and (b) nitrogen atmosphere; with ethanol as the solvent under (c) air atmosphere and (d) nitrogen atmosphere.

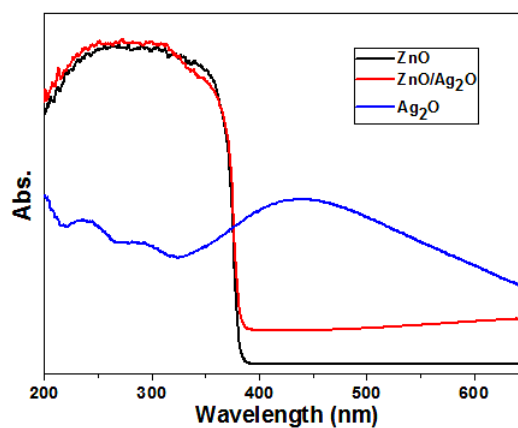


Fig. S2 UV-vis DRS of the commercial ZnO, Ag₂O and as-prepared ZnO/Ag₂O heterostructures.