

An α -Bi₂O₃/BiOBr core-shell heterojunction with high photocatalytic activity

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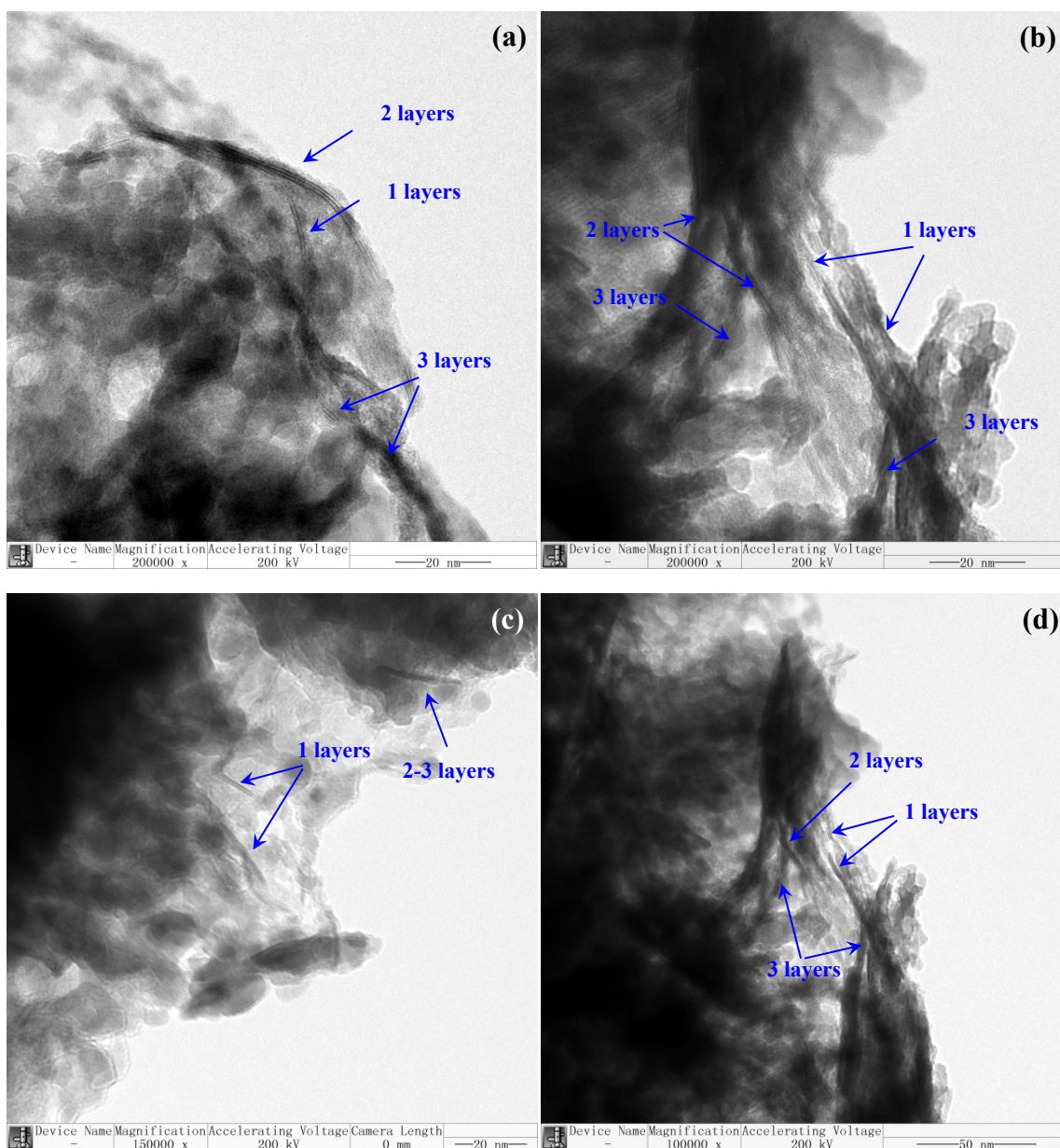


Fig. S1 TEM image of α -Bi₂O₃/BiOBr (CM1). In this figure, (a), (b), (c) and (d) is typical morphology for different particle, respectively.

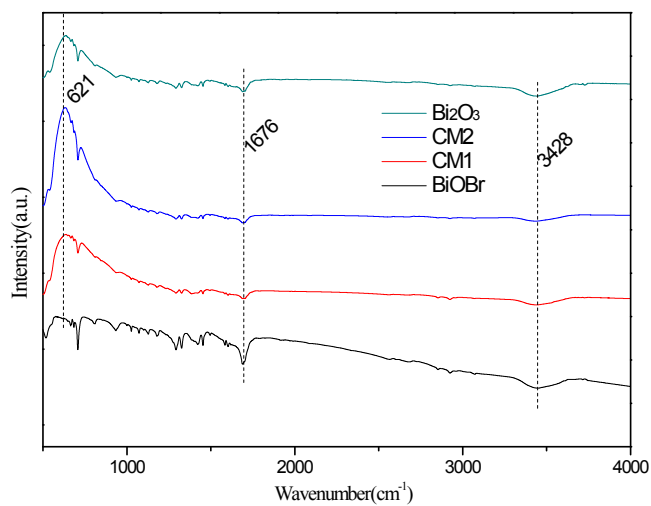


Fig. S2 FTIR spectra of prepared samples

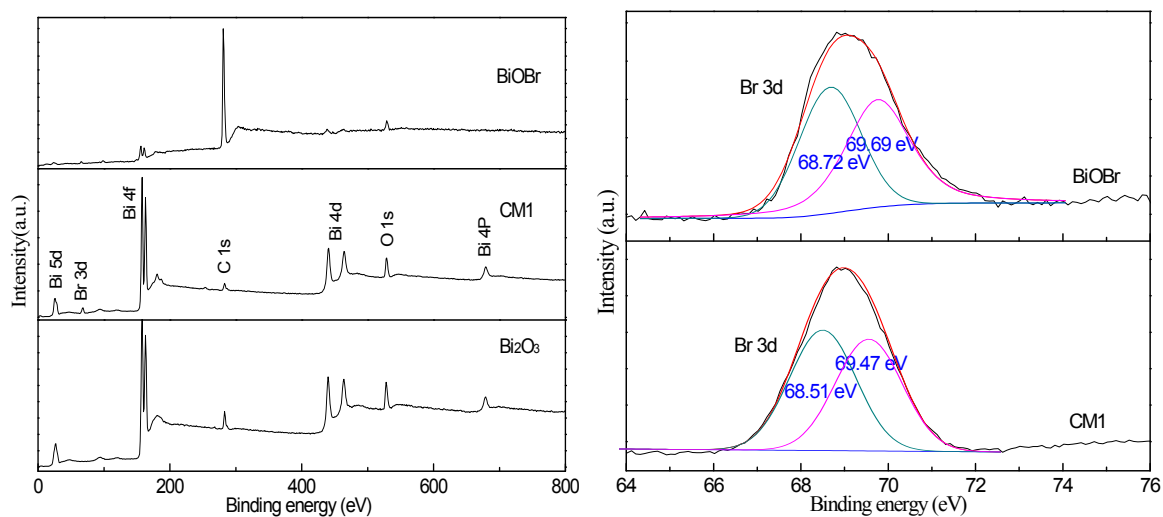


Fig. S3 The XPS spectra for the BiOBr, α -Bi₂O₃/BiOBr(CM1) and α -Bi₂O₃ samples.

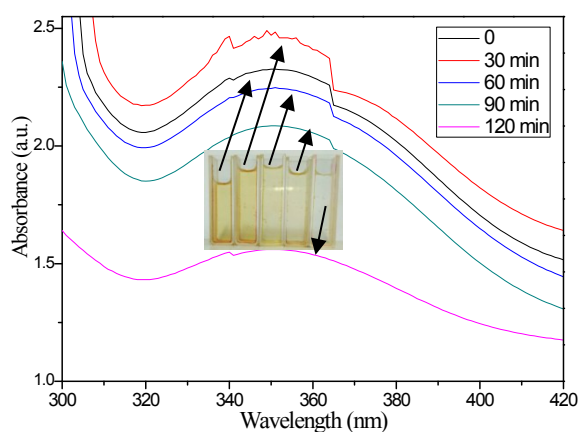


Fig. S4 The UV-vis spectra taken over time during the photo-reduction of I_3^- mediated by CM1. The initial concentration of KI_3 was 1.76 g L^{-1} . The photocatalyst dose was 1.0 g L^{-1} .