SUPPORTING INFORMATION

Synthesis of $BiOI/Bi_4O_5I_2/Bi_2O_2CO_3$ p-n-p heterojunctions with superior photocatalytic activities

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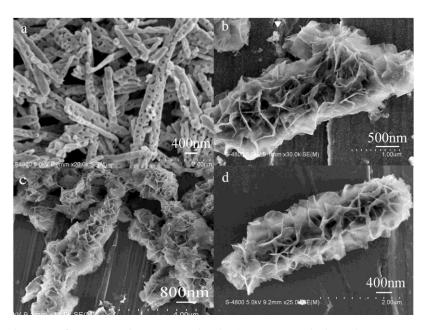


Fig. S1 SEM images of pure (a) Bi₂O₃ nanorods, (b) S1, (c) S2 and (d) S3 heterostructures.

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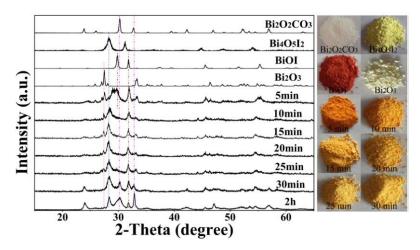


Fig. S2 XRD patterns and the photographs of the obtained products at different reaction time.

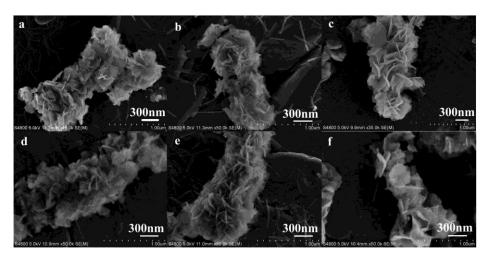


Fig. S3 SEM images of the obtained products at different reaction time, (a) 5 min, (b) 10 min, (c) 15 min, (d) 20 min, (e) 25 min and (f) 30 min.

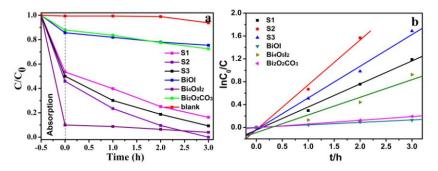


Fig. S4 (a) The degradation curves of RhB (20 mg/L), (b) relevant degradation rates in the presence of as-prepared samples under visible light irradiation ($\lambda \ge 400$ nm).

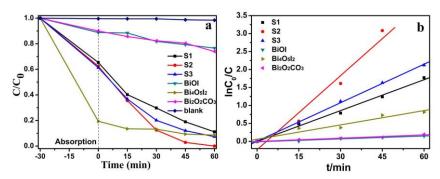


Fig. S5 (a) The degradation curves of MB (20 mg/L), (b) relevant degradation rates in the presence of as-prepared samples under solar light irradiation.