Electronic Supplementary Materials for

Green Synthesis of Bismuth Sulfide Nanostructures with Tunable Morphologies

and Robust Photoelectrochemical Performance

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Fig. S1 SEM images of (A) Bi_2S_3 -0, (B) Bi_2S_3 -0.05 and (C) Bi_2S_3 -0.1 at the different reaction time (0 h, 2 h, 6 h, and 12 h). Note: 0 h represents the moment when Na_2S solution fully added with stirring before the hydrothermal reaction.



Fig. S2 LSV curves for Bi_2S_3 -0 and Bi_2S_3 -0.05 under light irradiation in 0.1 M Na_2SO_3 solution as electrolyte (light intensity of 50 mW cm⁻²).