

Supplementary Information

Synthesis of mono-dispersed *m*-BiVO₄ octahedral nano-crystals with enhanced visible light photocatalytic properties

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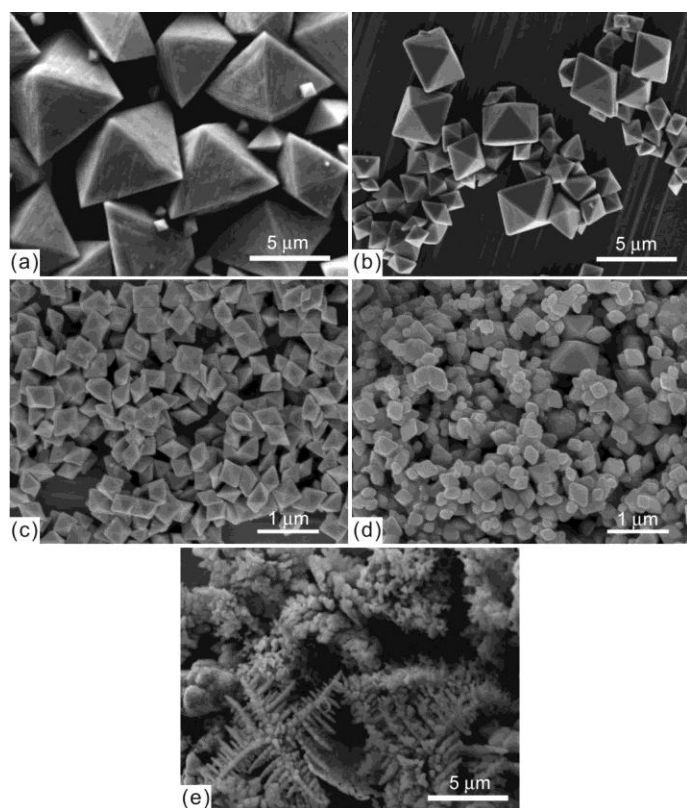
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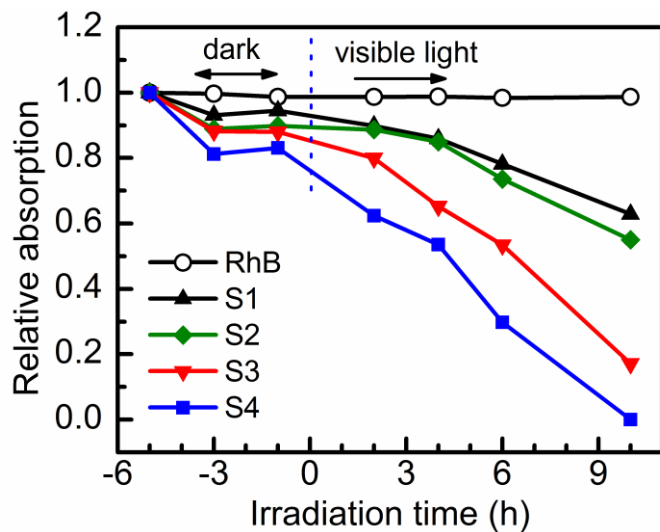
Fig. 1 SEM images of the as-prepared *m*-BiVO₄ synthesized with SDBS at different acid concentration (fixed reaction time 24 h): (a) 1.5 M, (b) 1.2 M, (c) 1 M, (d) 0.8 M and (e) pH = 2.

Fig. 2 The repeated photocatalytic degradation of RB for the recollected octahedral-shape photocatalysts after the first test.

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SI Fig. 1 SEM images of the as-prepared m -BiVO₄ synthesized with SDBS at different acid concentration (fixed reaction time 24 h): (a) 1.5 M, (b) 1.2 M, (c) 1 M, (d) 0.8 M and (e) pH = 2.



SI Fig. 2 (color online) The repeated photocatalytic degradation of RhB for the recollected octahedral-shape photocatalysts after the first test.