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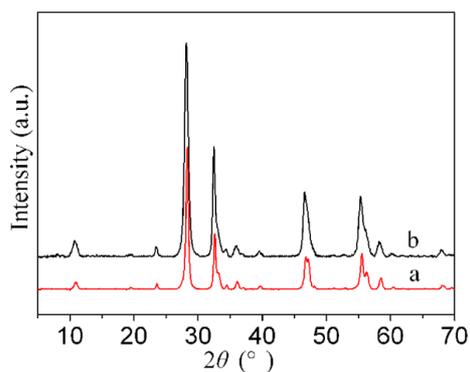
**Facile solvothermal synthesis of hierarchical flower-like  $\text{Bi}_2\text{MoO}_6$   
hollow spheres as high performance visible-light driven  
photocatalysts**

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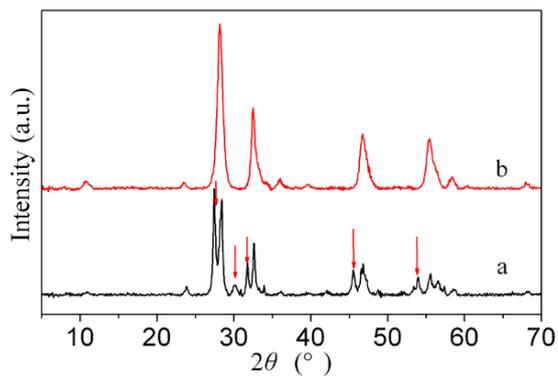
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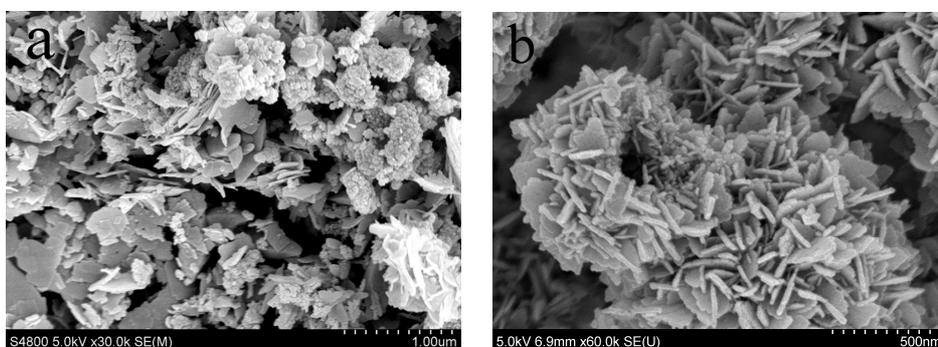
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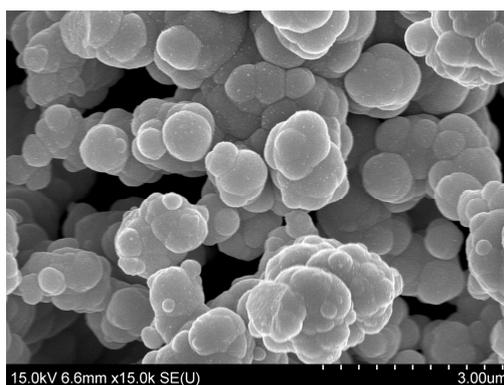
**Fig. S1.** XRD patterns of the uncalcined (a) and calcined (b)  $\text{Bi}_2\text{MoO}_6$  samples (obtained from 20 h solvothermal).



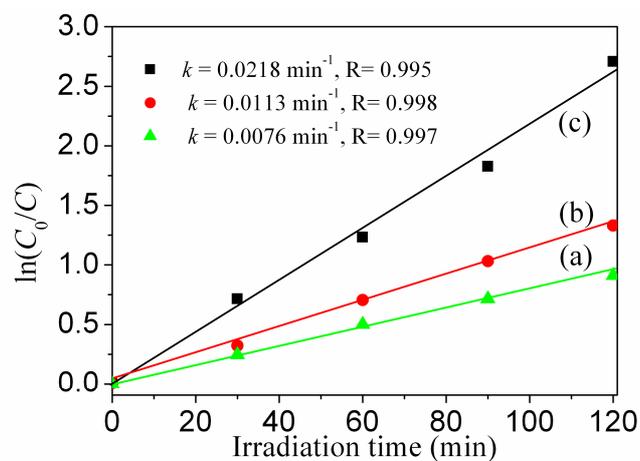
**Fig. S2.** XRD patterns of products prepared from different ethylene glycol under solvothermal reaction: (a) 2 mL; (b) 10 mL.



**Fig. S3.** SEM images of products prepared from different ethylene glycol content under solvothermal reaction: (a) 2mL; (b) 10 mL.



**Fig. S4.** SEM image of the  $\text{Bi}_2\text{MoO}_6$  prepared from 20 h solvothermal reaction at 110  $^\circ\text{C}$ .



**Fig. S5.** Plots of  $\ln(C_0/C)$  over irradiation time for the SSR-Bi<sub>2</sub>MoO<sub>6</sub> (a), Bi<sub>2</sub>MoO<sub>6</sub> hollow spheres before calcination (b) and after calcination (c). Inset: the values of degradation rate constant ( $k$ ) and linearly dependent coefficients ( $R$ ).