

Electronic Supplementary Information

Shape-controlled synthesis and facet-dependent performance of single-crystal $\text{Bi}_{25}\text{GaO}_{39}$ photocatalyst

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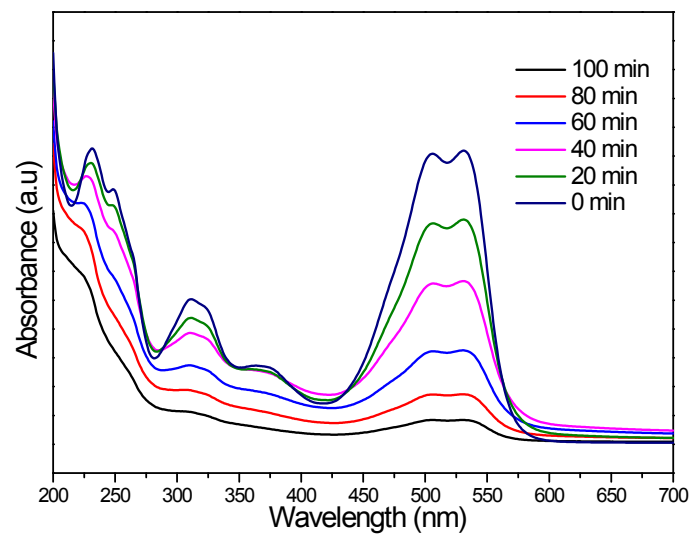


Fig. S1 UV-vis absorption spectra of AR1 solution during the photocatalytic process over $\text{Bi}_{25}\text{GaO}_{39}$ tetrahedrons.

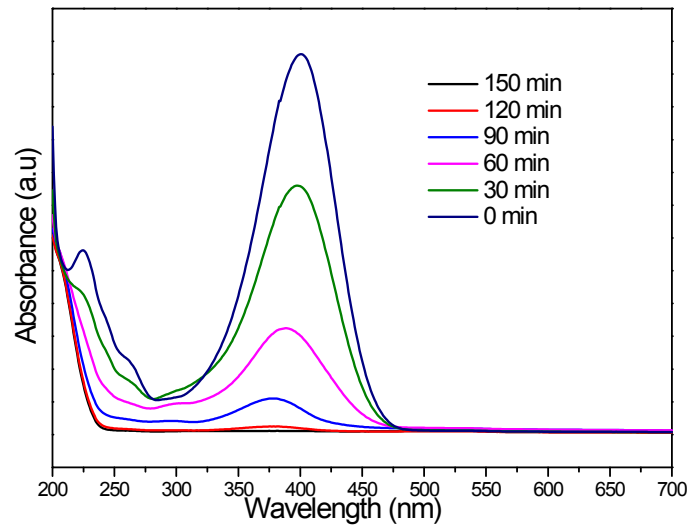


Fig. S2 UV-vis absorption spectra of 4-NP solution during the photocatalytic process over $\text{Bi}_{25}\text{GaO}_{39}$ tetrahedrons.

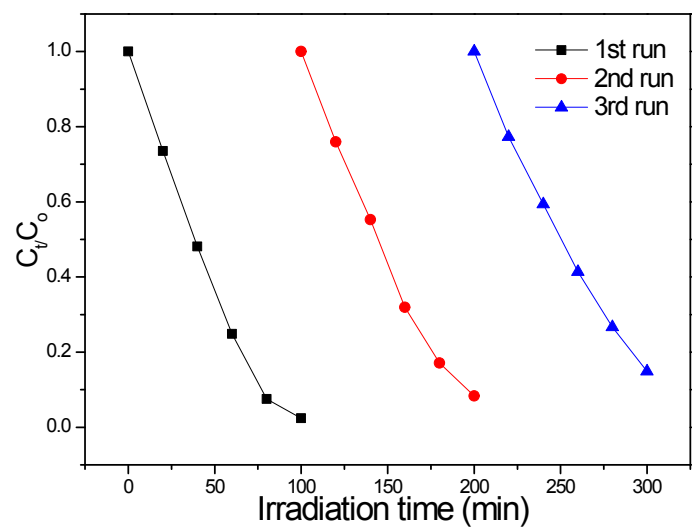


Fig. S3 Recycling runs of $\text{Bi}_{25}\text{GaO}_{39}$ tetrahedrons for the photocatalytic degradation of AR1 solution.