

Electronic supplementary information

Novel Nanoparticle-assembled $\text{Bi}_{12}\text{GeO}_{20}$ Hierarchical Structures: Facile Hydrothermal Synthesis and Excellent Photocatalytic Activity

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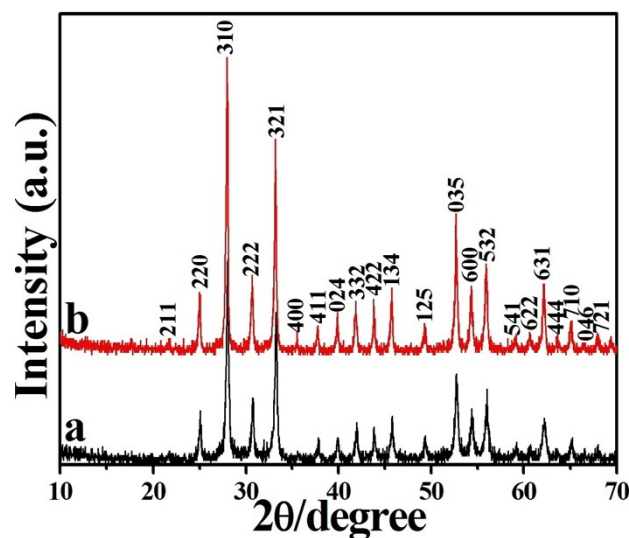


Fig. S1 XRD patterns of the samples prepared at different temperature: 60 (a) and 120 °C (b).

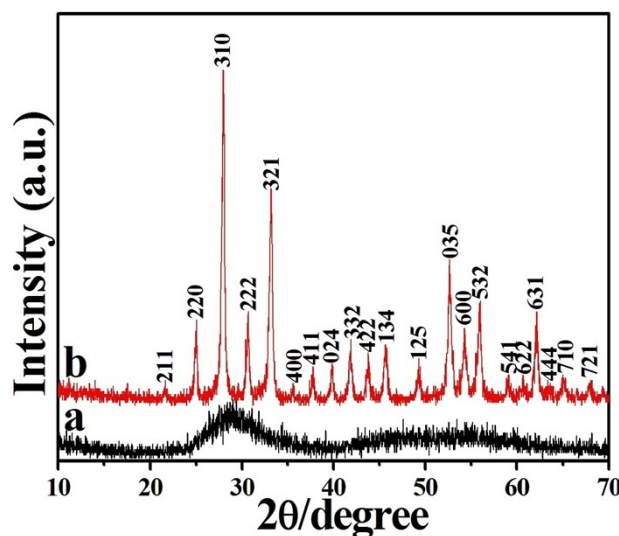


Fig. S2 XRD patterns of the samples with different amount of NaOH: 0.15 (a) and 0.45 g (b).

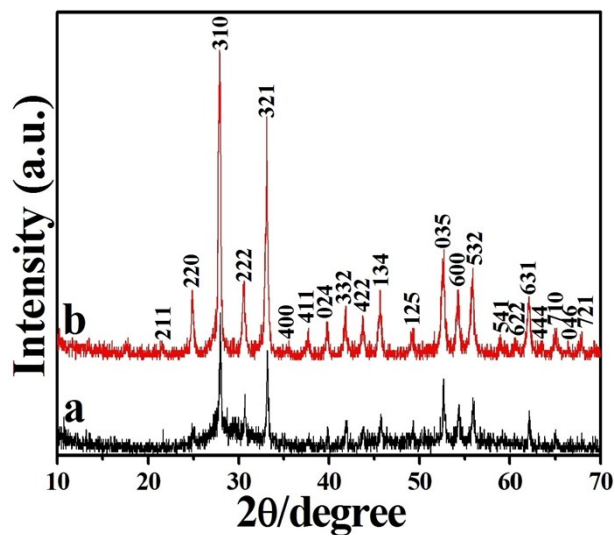
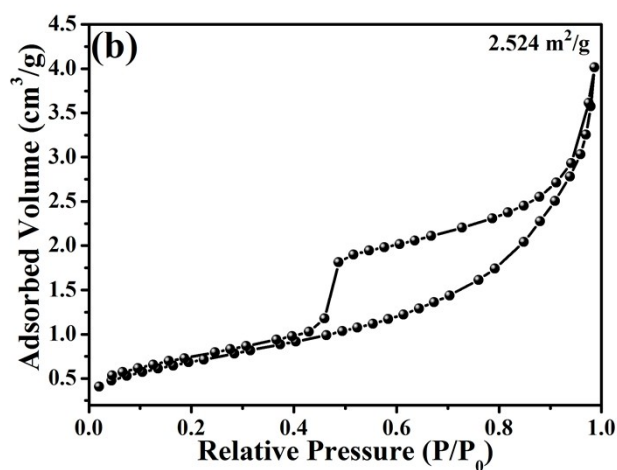
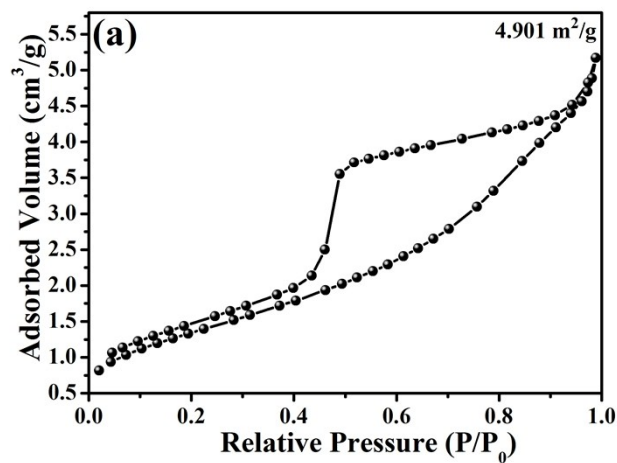


Fig. S3 XRD patterns of the samples with different alkaline source: LiOH (a) and KOH (b).



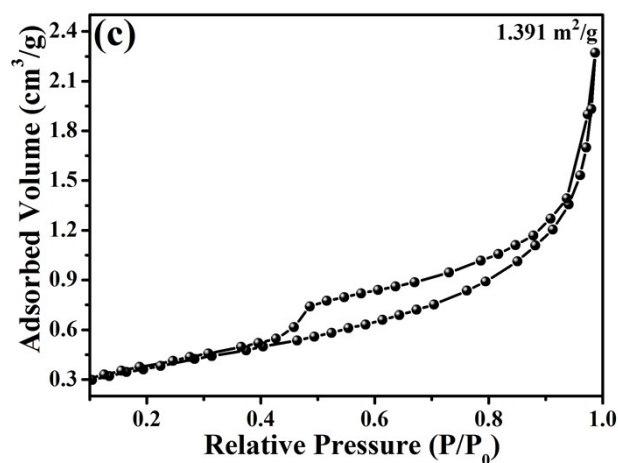


Fig. S4 Nitrogen adsorption-desorption isotherms of the products prepared with different alkaline source: (a) NaOH, (b) KOH and (c) LiOH.

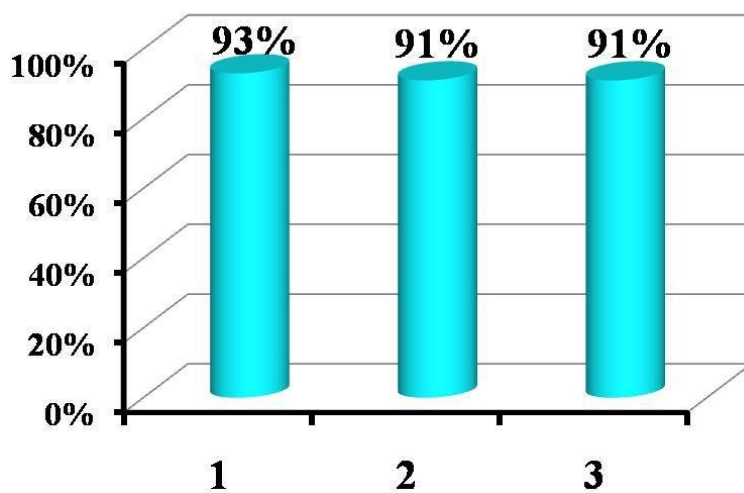


Fig. S5 Degradation efficiencies of RhB over nanoparticle-assembled $\text{Bi}_{12}\text{GeO}_{20}$ hierarchical structure (NaOH) during 3 catalytic runs.