

Supporting Information

Facile synthesis of colloidal photoluminescence $\text{BiPO}_4\text{:Ln}$ (Eu, Tb) nanoparticles well-dispersed in the polar solvent

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SI-1. TEM, STEM images and EDS element mapping of $\text{BiPO}_4\text{:Eu}$ nanoparticles

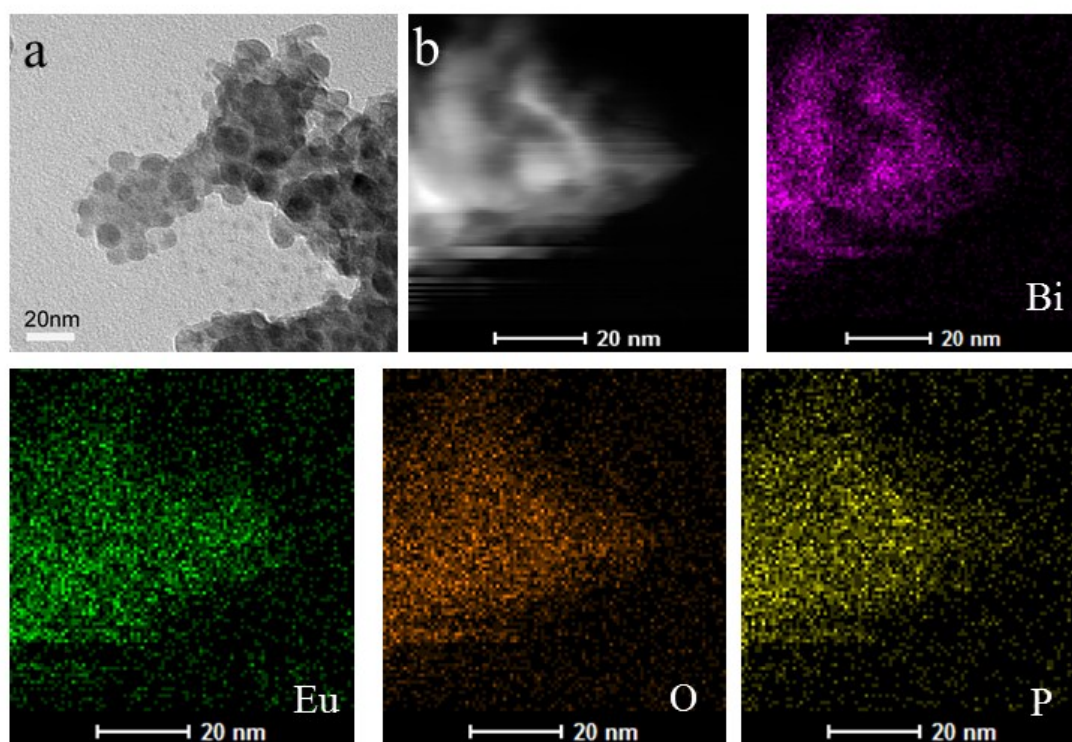


Fig. S1 Image of $\text{BiPO}_4\text{:Eu}$ obtained after long exposure of high-energy electron irradiation: (a) TEM, (b) STEM and the corresponding EDS element mapping including Bi, Eu, O, and P, respectively.

SI-2. SEM and TEM images of BiPO_4 urchin-like structure ⁵

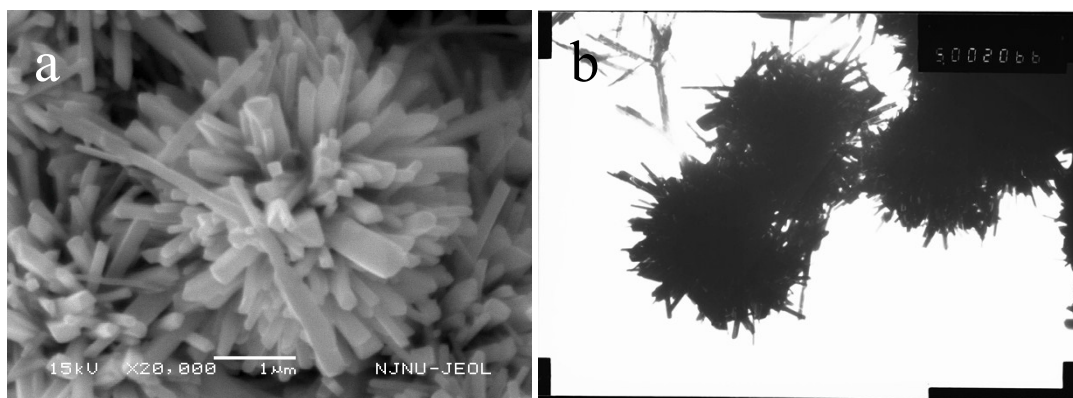


Fig. S2 (a) SEM and b) TEM images of BiPO₄ urchin respectively.

SI-3. The digital photographs of BiPO₄:Eu powders



Fig. S3 The digital photographs of BiPO₄:Eu powders obtained in the absence of NaOH (a) and by NaOH (b).