Electronic Supplementary Information (ESI)

Structure-Property Relations in Hexagonal and Monoclinic BiPO₄:Eu³⁺

Nanoparticles Synthesized by Polyol-mediated Method

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Figure S1. Powder XRD pattern of hexagonal BiPO₄.xH₂O obtained by precipitation method.
Figure S2. SEM images of hexagonal BiPO$_4$.xH$_2$O obtained by precipitation method.
Figure S3. TEM images of hexagonal Bi$_{0.95}$Eu$_{0.05}$PO$_4$.xH$_2$O.
Figure S4. TEM images of monoclinic Bi$_{0.95}$Eu$_{0.05}$PO$_4$
Figure. S5. The shift in the position of spinning side bands in the $^{31}$P MAS-NMR spectra of (a) hexagonal Bi$_{0.95}$Eu$_{0.05}$PO$_4$.xH$_2$O and (b) monoclinic Bi$_{0.95}$Eu$_{0.05}$PO$_4$ under different spinning rates.
Figure S6. PL excitation and emission spectra of monoclinic Bi$_{0.95}$Eu$_{0.05}$PO$_4$ obtained by conventional solid state reaction method.