

Surfactant-Free Aqueous Synthesis of Novel $\text{Ba}_3\text{Gd}_2\text{F}_{12}:\text{Ln}^{3+}$ Nanocrystals with Luminescence Properties

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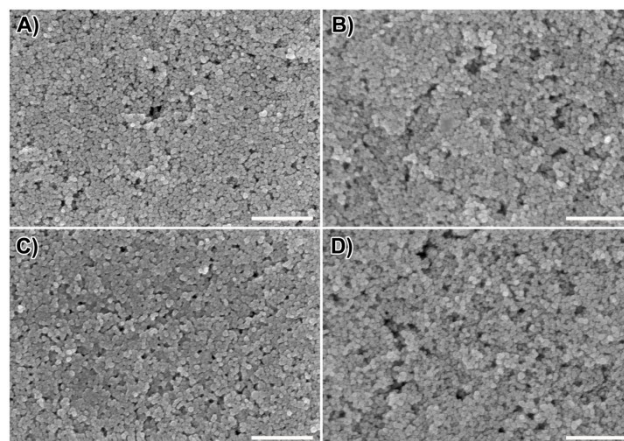


Figure S1 SEM images of the $\text{Ba}_3\text{Gd}_2\text{F}_{12}$ products synthesized with different pH values: (A) 3, (B) 5, (C) 7, (D) 9. The scale bars are 500 nm. The pH was adjusted by HCl (1M) and NaOH (1M) solution.

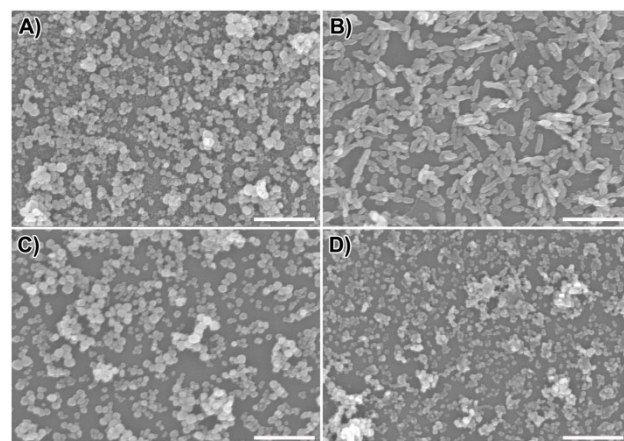


Figure S2 SEM images of the $\text{Ba}_3\text{Gd}_2\text{F}_{12}$ products synthesized with different fluorine sources: (A) NH_4F , (B) HF , (C) KHF_2 , (D) NH_4HF_2 . The scale bars are 500 nm.