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Surfactant-Free Aqueous Synthesis of Novel $Ba_3Gd_2F_{12}$: Ln^{3+} Nanocrystals with Luminescence Properties

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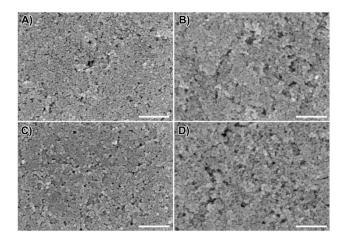


Figure S1 SEM images of the Ba₃Gd₂F₁₂ products synthesized with different pH values: (A) 3, (B) 5, (C) 7, (D) 9. The scale bars are 500 nm. The pH was adjusted by HCl (1M) and NaOH (1M) solution.

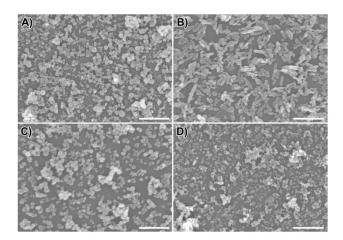


Figure S2 SEM images of the Ba₃Gd₂F₁₂ products synthesized with different fluorine sources: (A)

NH₄F₁ (B) HF₂ (C) KHF₂, (D) NH₄HF₂. The scale bars are 500 nm.