

Electronic supplementary information

Self-Assembled 3D Architectures of Lanthanide Orthoborate: Hydrothermal Synthesis and Luminescence Properties

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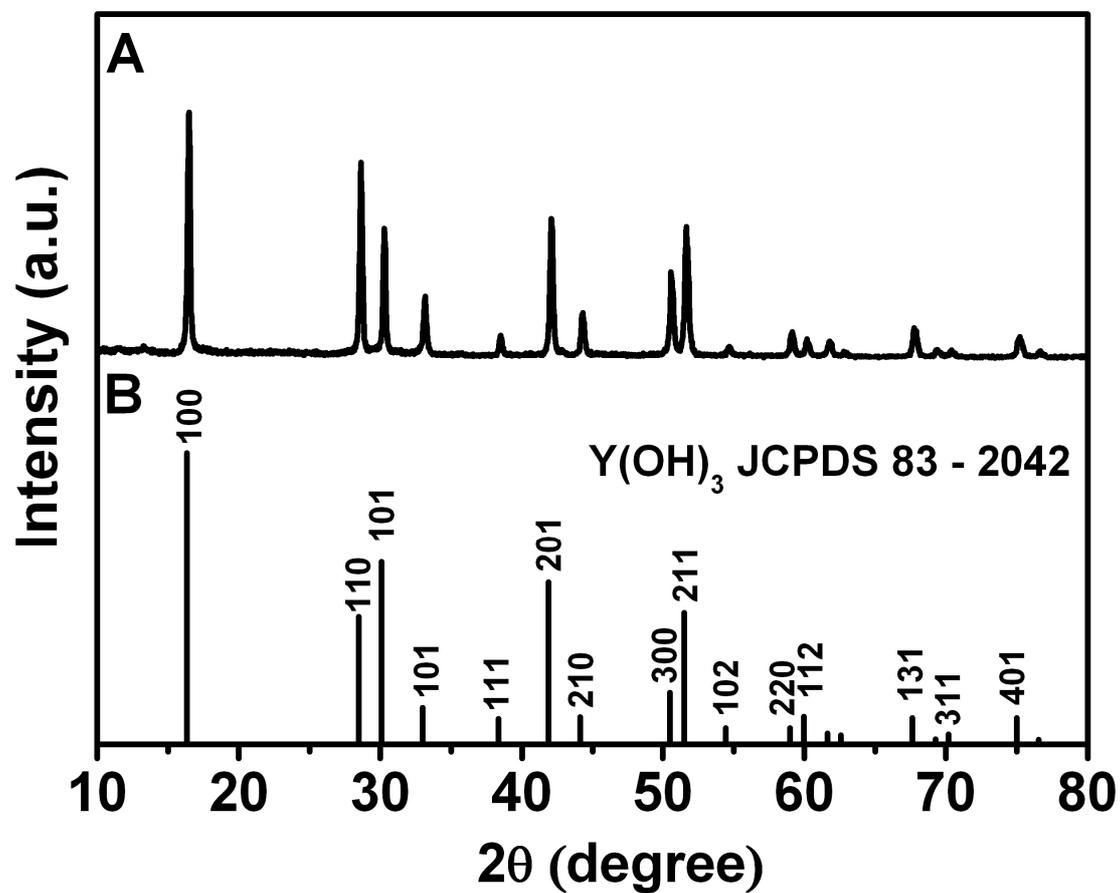


Figure S1. XRD patterns of Y(OH)₃ (A) and the standard data for Y(OH)₃ (B) (JCPDS card 83-2042) is also presented in the figure for comparison.

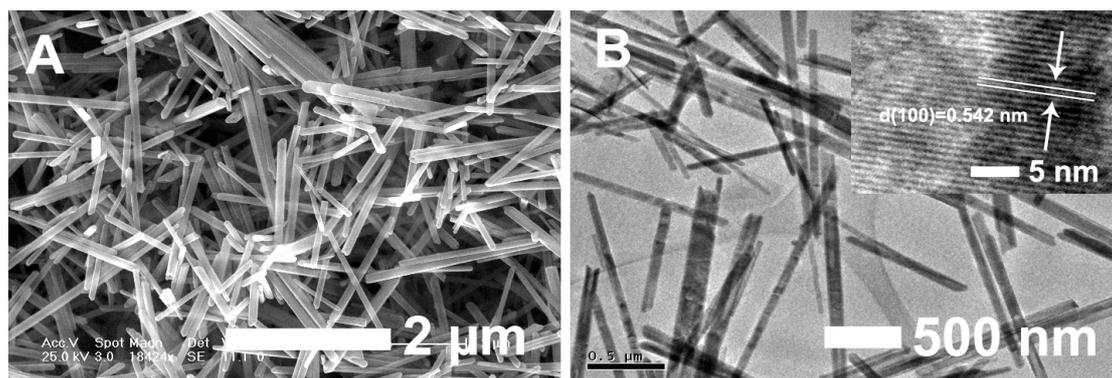


Figure S2. SEM and TEM images of the as-prepared $\text{Y}(\text{OH})_3$ products. HRTEM images are shown as insets for the corresponding products of TEM images.

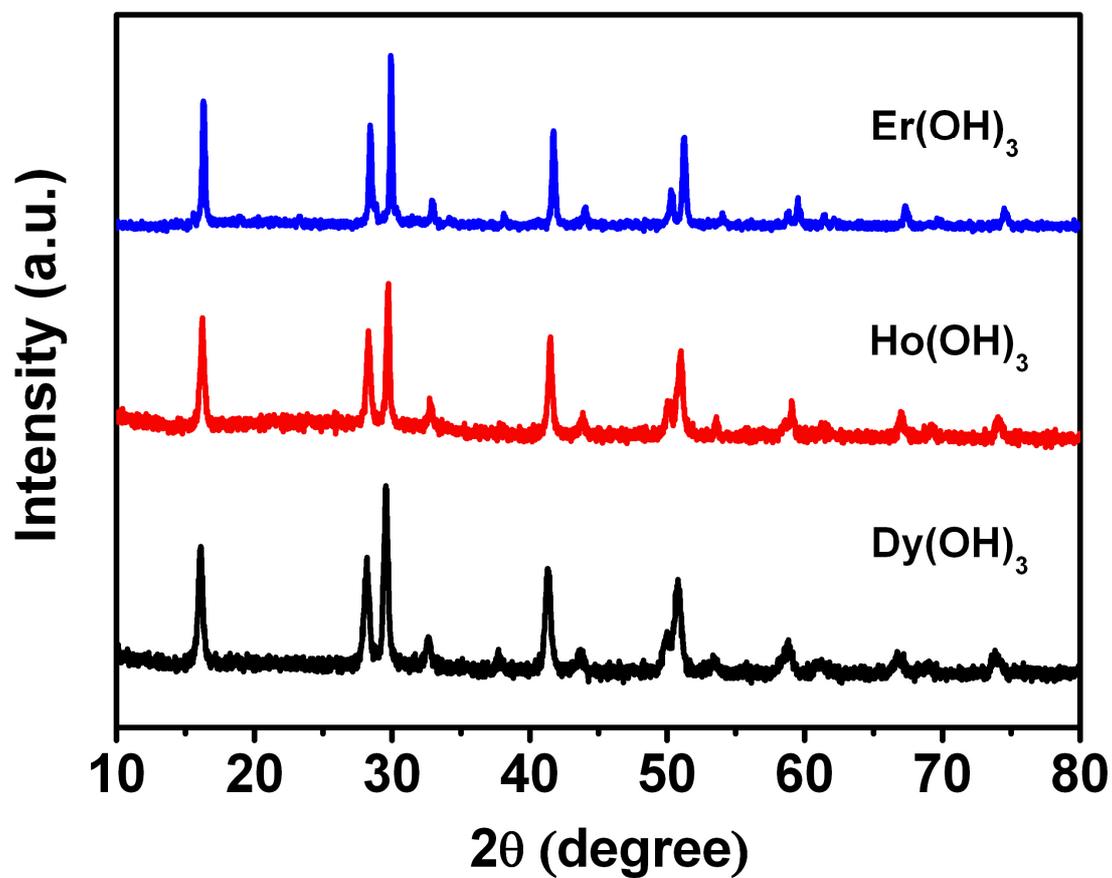


Figure S3. XRD patterns of the as-prepared other Ln(OH)₃ products.

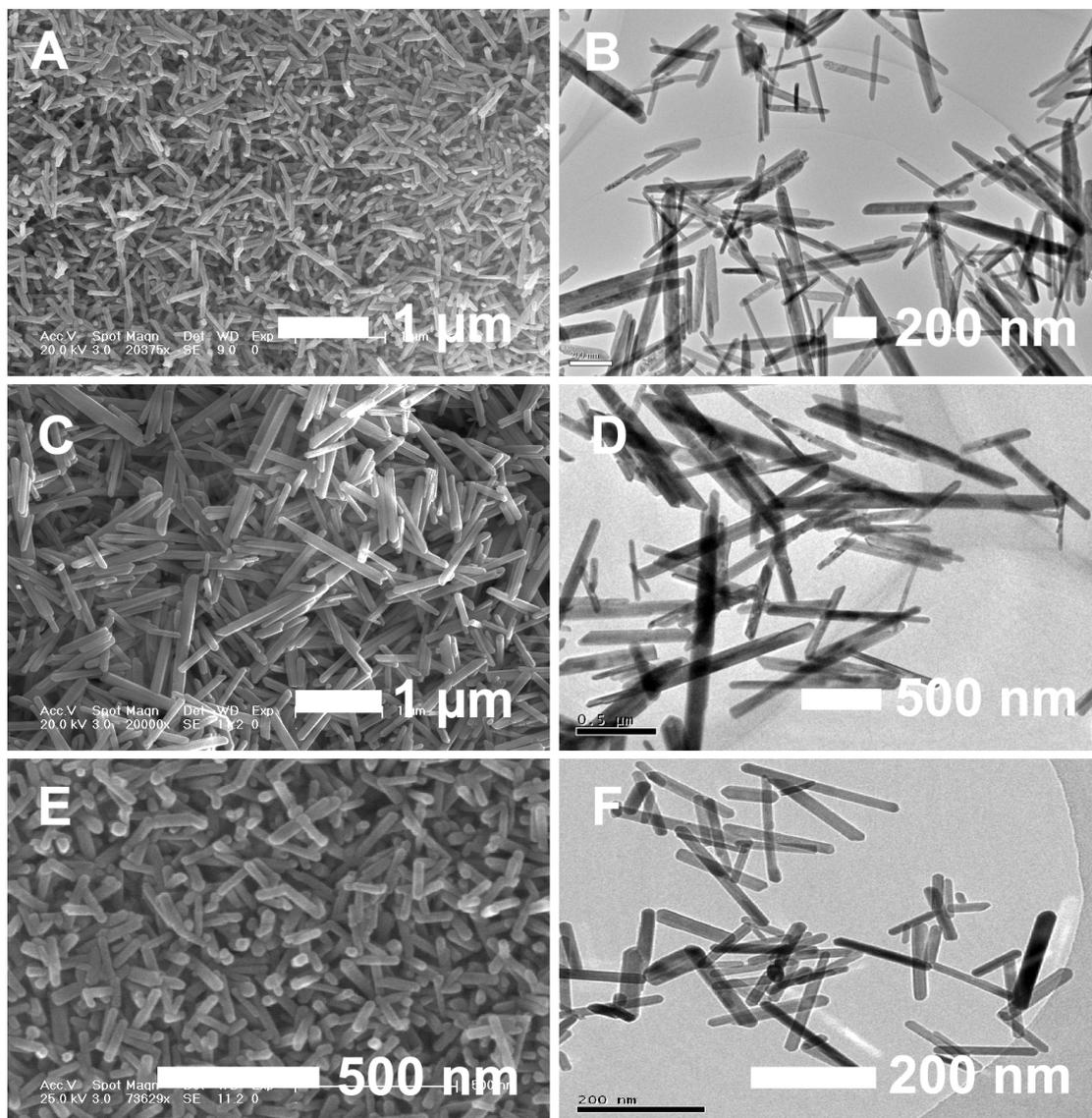


Figure S4. SEM and TEM images of the as-prepared Ln(OH)₃ products: (A, B) Dy(OH)₃, (C, D) Ho(OH)₃, and (E, F) Er(OH)₃.

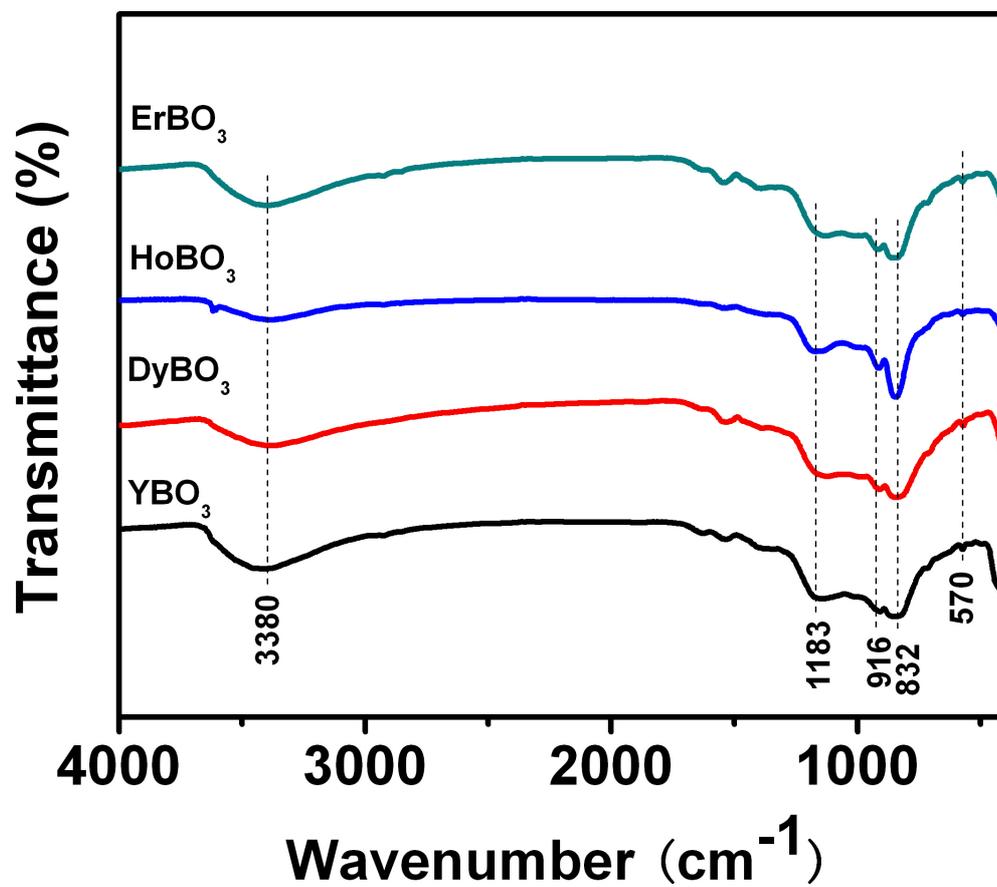


Figure S5. FT-IR spectra of (A) YBO₃, (B) DyBO₃, (C) HoBO₃, and (D) ErBO₃.