

Supplementary Information

GdF₃ Hollow Spheres: Self-Assembly and Multiple Emission Spanning the UV to NIR Regions under 980 nm Excitation

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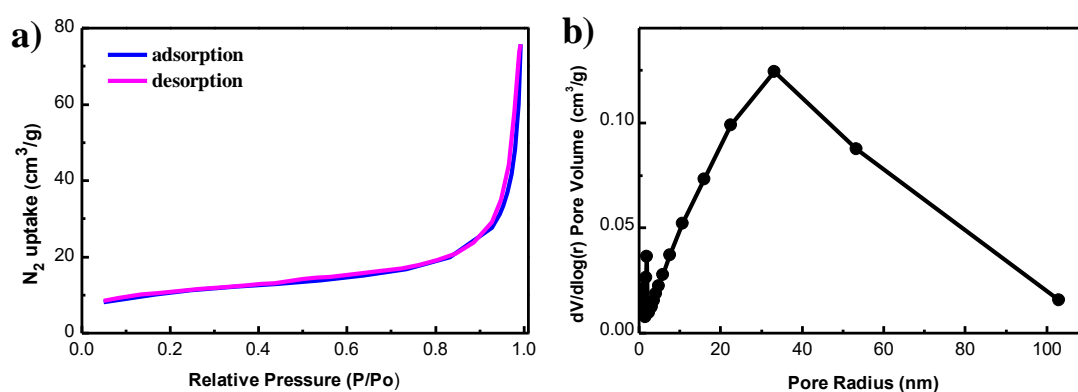


Figure S1. a) The N₂ adsorption and desorption isotherms (77 K) and b) pore size distribution of GdF₃ submicrometer hollow structure.

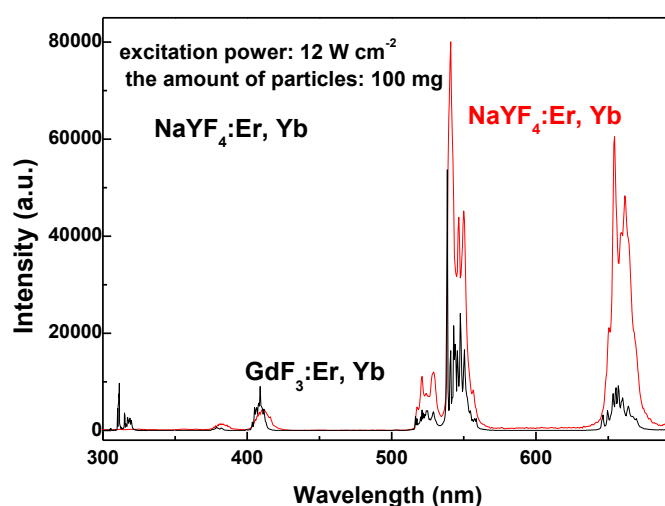


Figure S2. The emission spectra of GdF₃ hollow submicrometer spheres (black) and NaYF₄: 2 at. %Er, 20 at. %Yb nanocrystals (red) under the same measure condition.

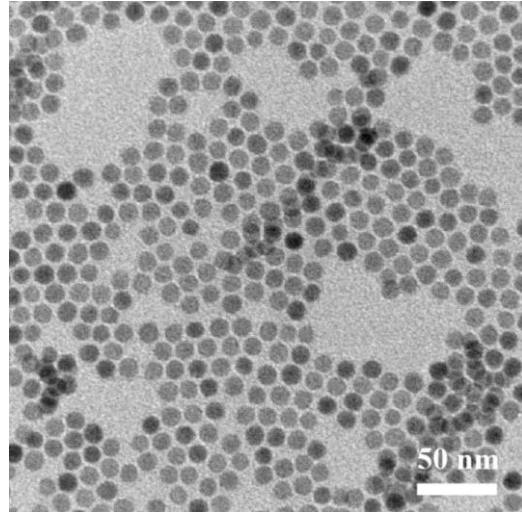


Figure S3. TEM image of NaYF₄: 2 at. %Er, 20 at. % Yb nanocrystals.