Electronic supplementary information (ESI)

An anomalous downsizing of glycothermally-synthesized YBO₃ crystals by Ce³⁺ doping

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Additional figures



Fig. S1. Change in the actual RE concentration of RE^{3+} -doped YBO₃ samples with ionic radius of doped RE^{3+} ion.



Fig. S2. Changes in crystallite sizes perpendicular to (100) and (002) of RE^{3+} -doped YBO₃ samples with ionic radius of doped RE^{3+} ion.



Fig. S3. Change in the lattice strain along *a*-direction of RE^{3+} -doped YBO₃ samples with ionic radius of doped RE^{3+} ion.



Fig. S4. SEM image of the undoped YBO₃ sample.



Fig. S5. Hydrodynamic size distributions of RE³⁺-doped YBO₃ samples.



Fig. S6. Actual cerium concentrations of Ce-doped YBO₃ samples prepared from different cerium sources.



Fig. S7. Hydrodynamic size distributions of Ce-doped YBO₃ samples prepared from different cerium sources.