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Supporting Information

Large Electrostrain and High Optical Temperature Sensitivity in BaTiO₃-(Na_{0.5}Ho_{0.5})TiO₃ Multifunctional Ferroelectric Ceramics

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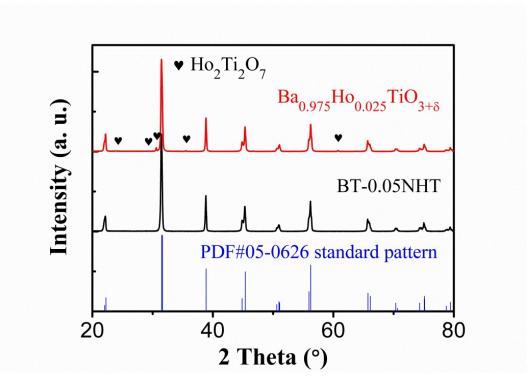


Figure S1. XRD patterns of the obtained BaTiO₃-0.05Na_{0.5}Ho_{0.5}TiO₃ and 2.5 mol% Ho³⁺-doped BaTiO₃.

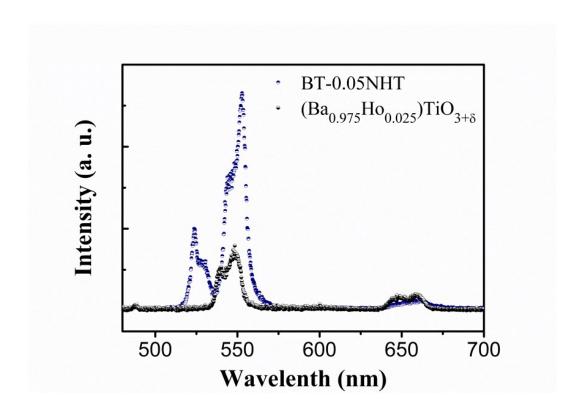


Figure S2. Upconversion emission of the obtained $BaTiO_3$ -0.05Na_{0.5}Ho_{0.5}TiO₃ and 2.5 mol% Ho³⁺-doped BaTiO₃ under the 980 nm laser excitation with the same power at room temperature.