

Fig. S1 FT-IR spectra of (a) SDS powder, and Sm³⁺ doped CeO₂ powders (b) as-prepared precursor, and calcined at (c) 500°C, and (d) 650°C for 2 h.

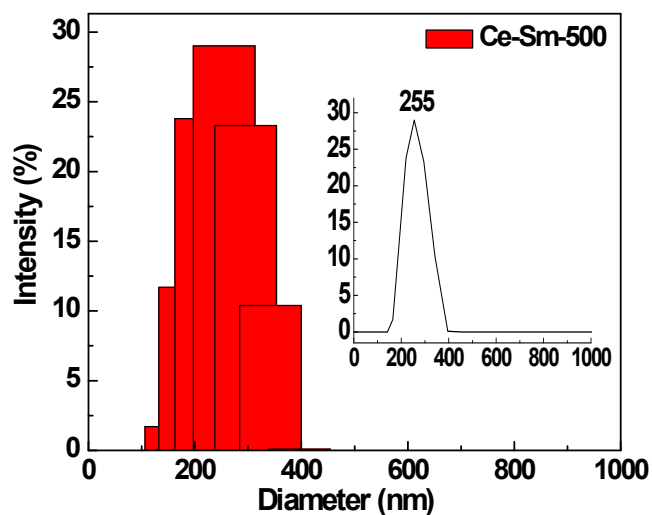


Fig. S2 Hydrodynamic diameter of Sm³⁺ doped CeO₂ powder calcined at 500°C for 2 h.