

Supporting Information

PVP-mediated synthesis of MPO_4 (M=Y, Er) hollow mesocrystal cubes via ripening process

Mingyun Guan, Guoxing Zhu, Tongming Shang, Zheng Xu,* Jianhua Sun and Quanfa Zhou

Fig. S1

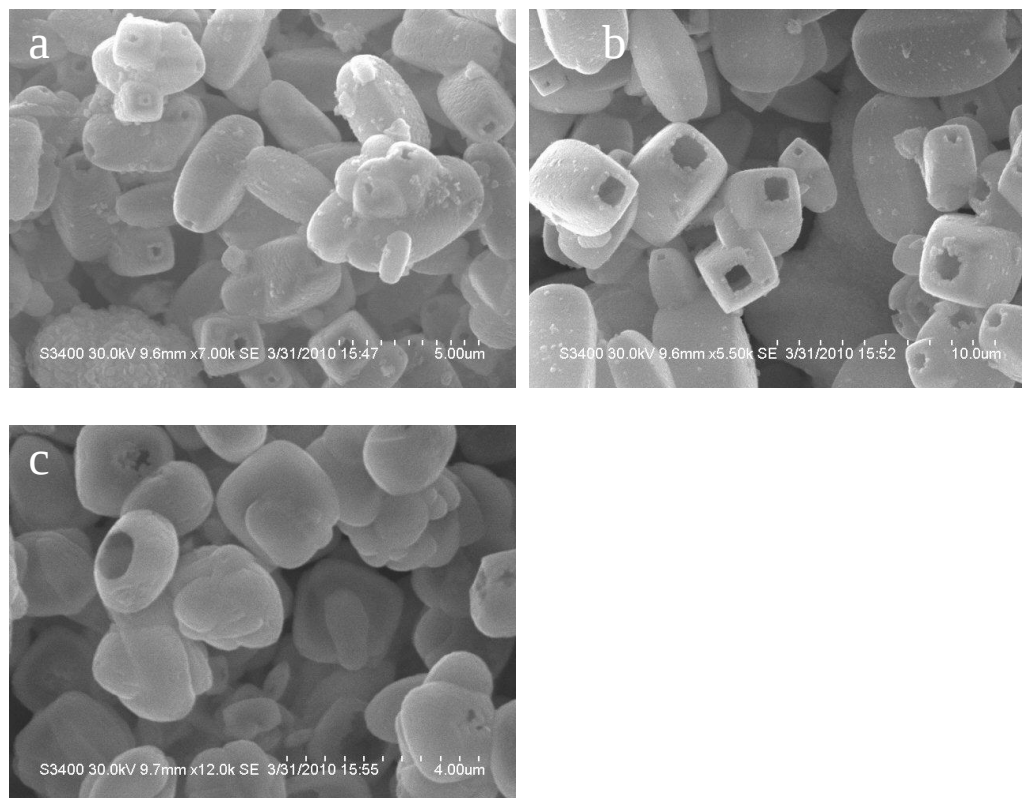


Fig. S1 SEM images of YPO_4 obtained at various temperatures: (a) 120°C, (b) 140°C, (c) 160°C ($\text{H}_6\text{P}_4\text{O}_{13}$ = 0.59 mol/L, $\text{Y}(\text{NO}_3)_3$ = 0.15 mol/L, PVP = 3.05 mmol/L, t = 12 h).

Fig. S2

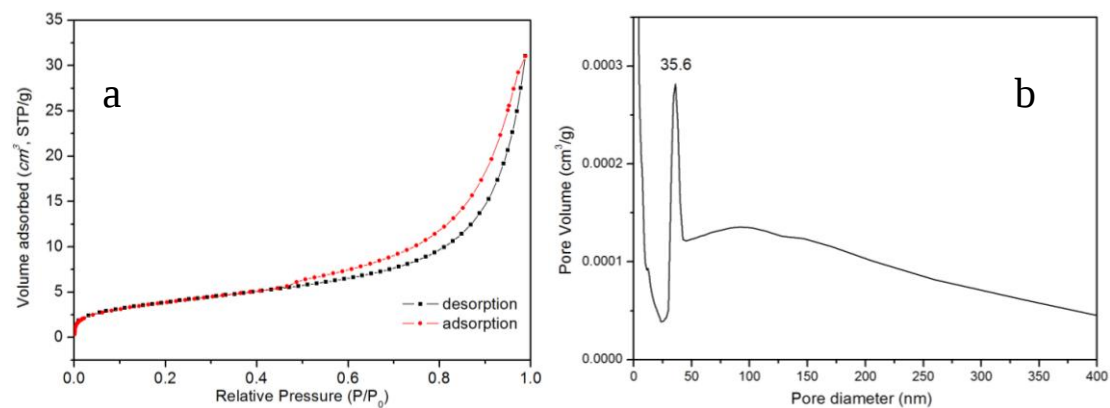


Fig. S2 (a) Nitrogen adsorption-desorption and (b) pore-size distribution isotherm of the prepared ErPO_4 hollow mesocrystal cubes.