

Supporting Information

Facile hydrothermal synthesis and multicolor-tunable luminescence of
 $\text{YPO}_4:\text{Ln}^{3+}$ ($\text{Ln} = \text{Eu}, \text{Tb}$)

Hailong Xiong, Jianchao Dong, Junfeng Yang, Yali Liu, Hongbo Song, Shucai Gan*

* College of Chemistry, Jilin University, Changchun 130026, China
Email: gansc@jlu.edu.cn

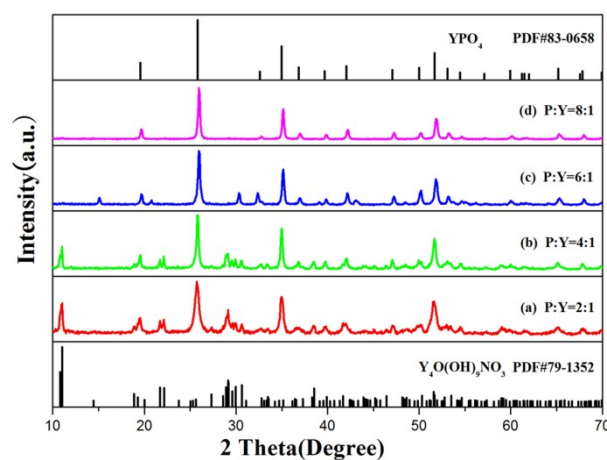


Fig. S1 XRD patterns for the as-prepared products synthesized *via* hydrothermal reaction at 180 °C for 72 h under the different molar ratio (P:Y) of 2 : 1 (a), 4 : 1 (b), 6 : 1 (c) and 8 : 1 (d).

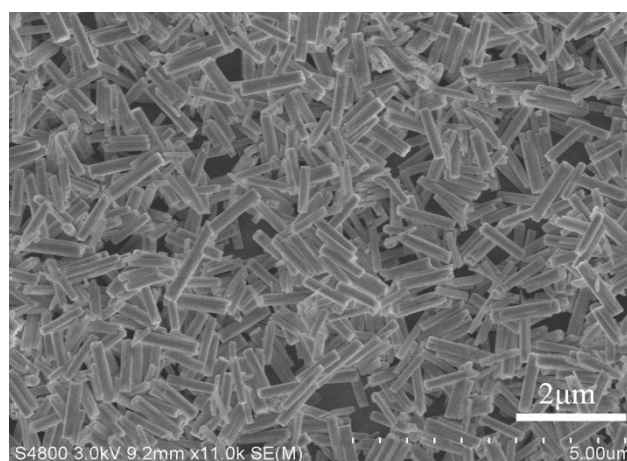


Fig. S2 SEM image of the $\text{Y}_4\text{O}(\text{OH})_9\text{NO}_3$ precursor.

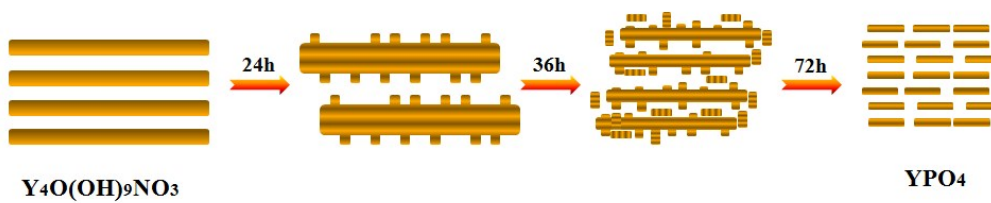


Fig. S3 Schematic illustration of the formation process of cuboid YPO_4 .