Electronic Supplementary Material (ESI) for Dalton Transactions

Supporting Information

Controllable synthesis and tunable luminescence properties of $Y_2(WO_4)_3:Ln^{3+}$ (Ln = Eu, Yb/Er, Yb/Tm and Yb/Ho) 3D hierarchical architectures

Shaohua Huang,[a] Xiao Zhang,[a] Liuzhen Wang,[a] Ling Bai,[a] Jie Xu,[a] Lin Wang,[a] Chunxia Li,[b] and Piaoping Yang*[,a]

[a] Key Laboratory of Superlight Materials and Surface Technology, Ministry of Education, Harbin Engineering University, Harbin 150001, P. R. China

[b] State Key Laboratory of Rare Earth Resource Utilization, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130021, P. R. China

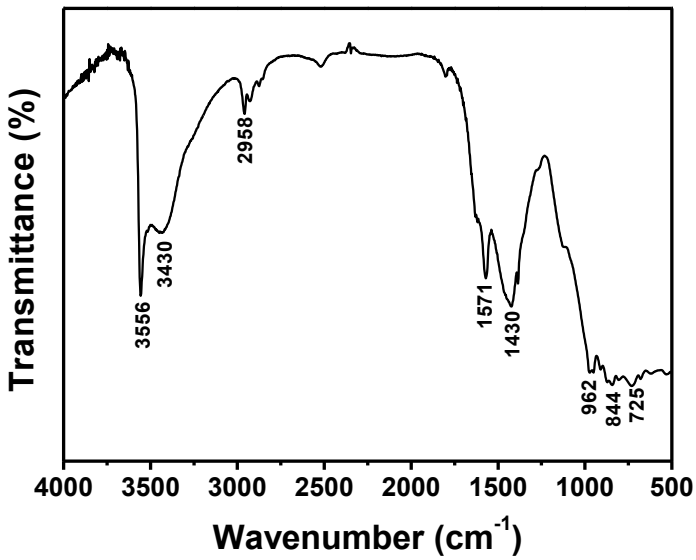

Fig. S1. FT-IR spectrum of the as-prepared yttrium tungstate precursor.

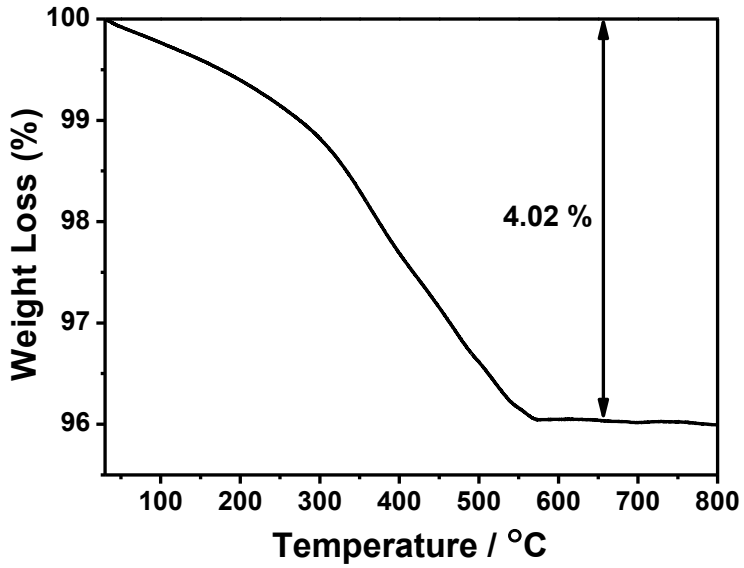

Fig. S2. TGA curves of the as-prepared yttrium tungstate precursor.

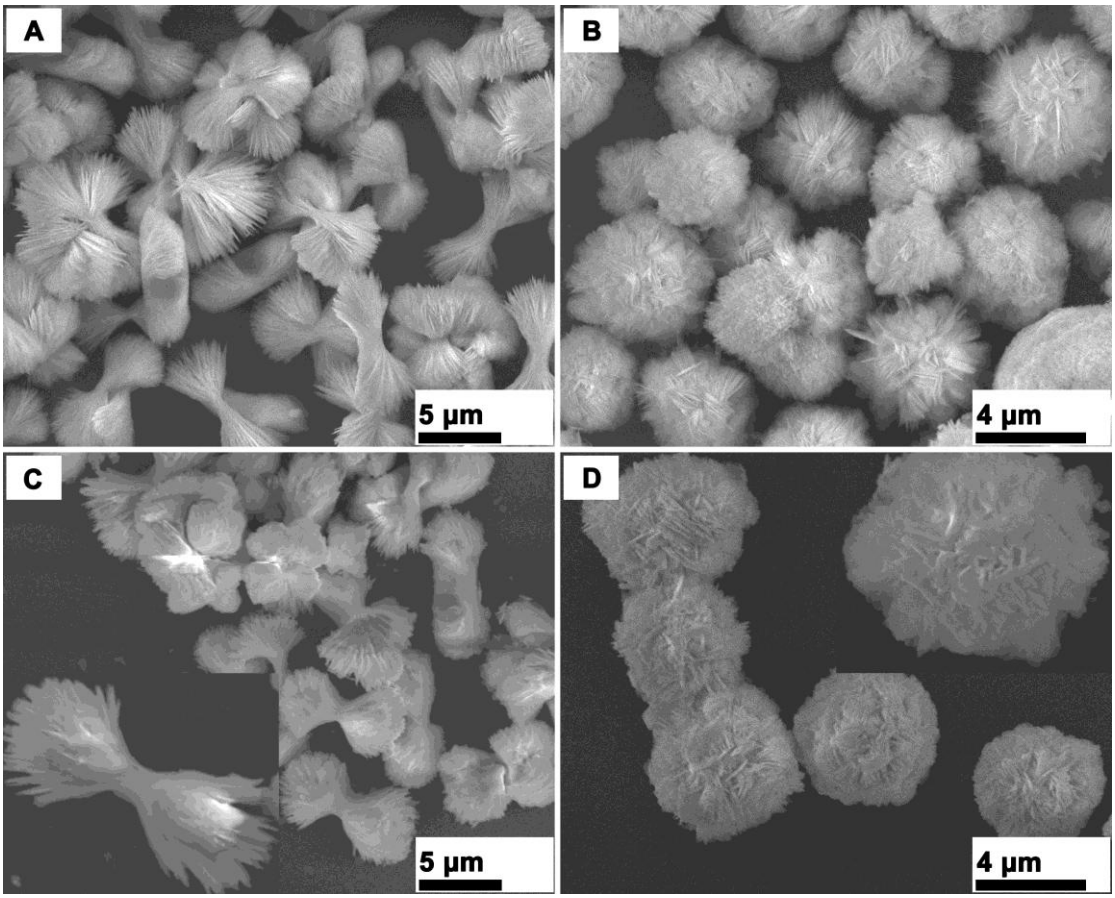

Fig. S3. SEM images of the as-prepared yttrium tungstate precursors prepared with (A) 0.5 mmol, (B) 0.75 mmol SDBS, and SEM images of $Y_2(WO_4)_3$ prepared with (C) 0.5 mmol, (D) 0.75 mmol samples after annealed at 800 °C for 2 h.