Electronic Supplementary Material (ESI) for Dalton Transactions

Supporting Information

Formation and down/up conversion luminescence of Ln^{3+} doped $NaY(MoO_4)_2$ microcrystals

Ying Li, Guofeng Wang,* Kai Pan, Yang Qu, Shuai Liu, and Li Feng

Key Laboratory of Functional Inorganic Material Chemistry, Ministry of Education, School of Chemistry and Materials Science, Heilongjiang University, Harbin, 150080, P. R. China. E-mail: wanggf75@gmail.com

Figure S1

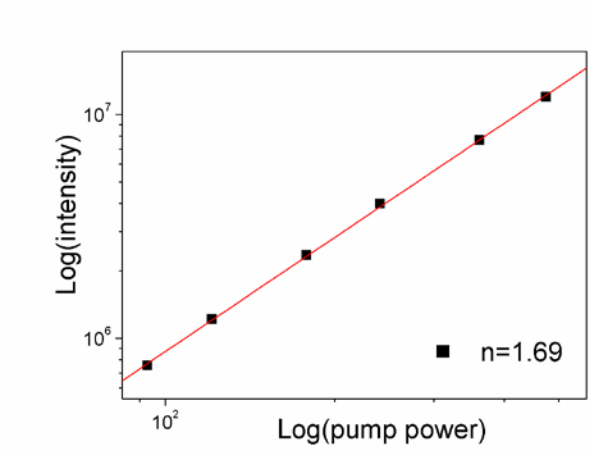

Figure S1. Plots (log-log) of emission intensity versus excitation power in $NaY(MoO_4)_2:Yb^{3+}/Er^{3+}$ ($Ln(NO_3)_3$:Na_2MoO_4=1:5; pH = 4).

Figure S2

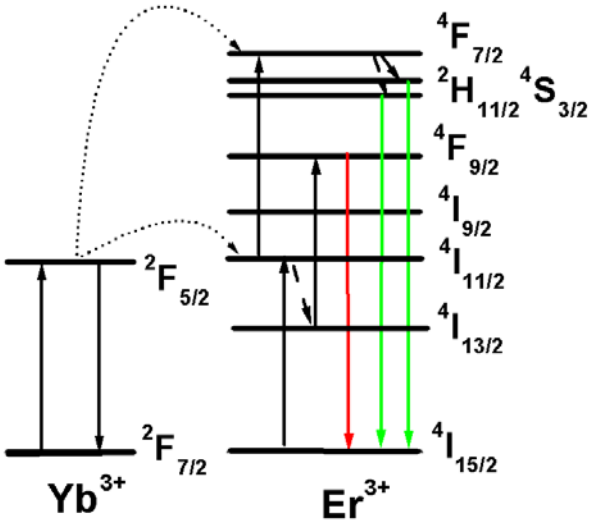

Figure S2. Energy-level and UC schemes for the Yb^{3+}–Er^{3+} system.

Figure S3

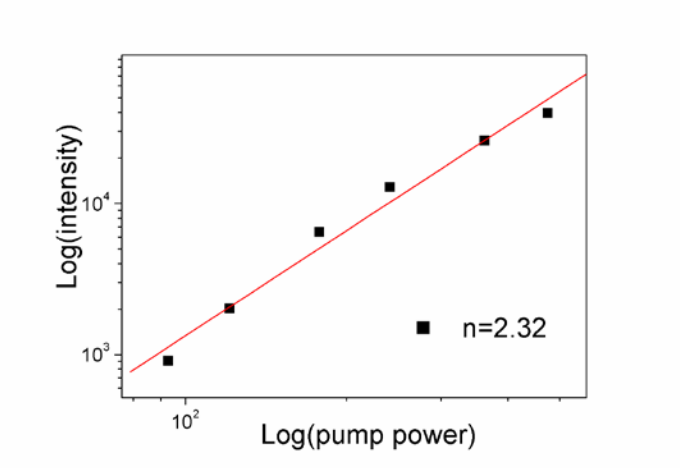

Figure S3. Plots (log-log) of emission intensity versus excitation power in $NaY(MoO_4)_2:Yb^{3+}/Tm^{3+}$ ($Ln(NO_3)_3:Na_2MoO_4$=1:5; pH = 4).

Figure S4

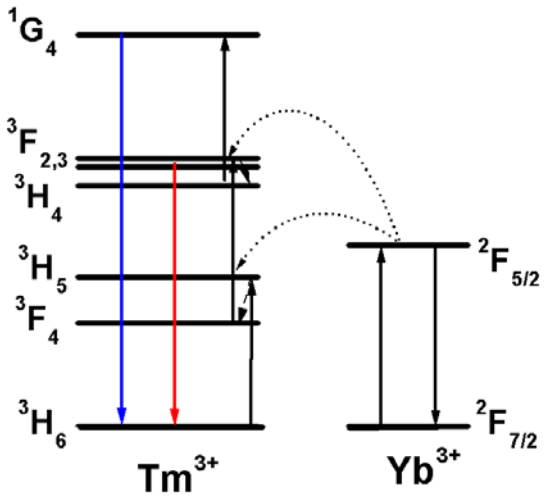

Figure S4. Energy-level and UC schemes for the Yb^{3+}–Tm^{3+} system.