

Supporting Information

Controlled synthesis and luminescent properties of uniform SrMoO_4 hollow microstructures and application as drug carrier

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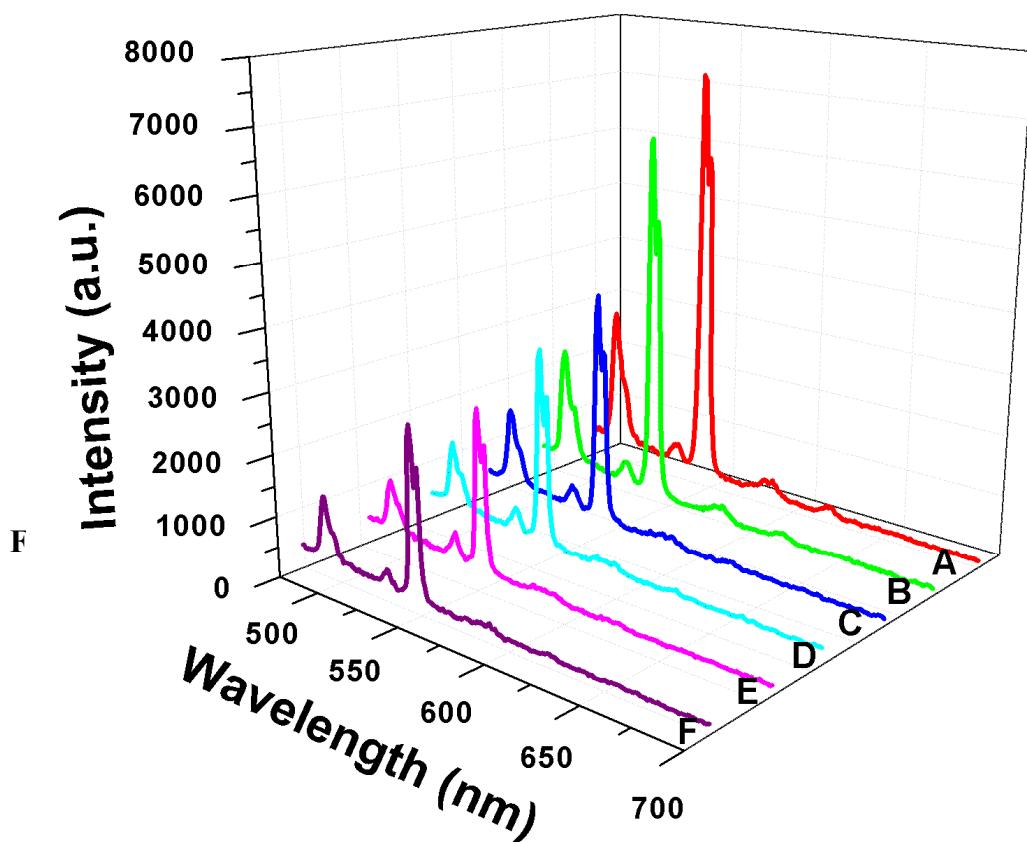


Fig. S1 Emission spectra of $\text{SrMoO}_4:\text{Tb}^{3+}$ samples prepared different PSS

concentrations while the reactants concentration in the mixed solvent was fixed at 20 mM. [PSS]: 0 g/L (A), 0.05 g/L (B), 0.1 g/L (C), 1.5 g/L (D), 3 g/L (E), and 4 g/L (F).

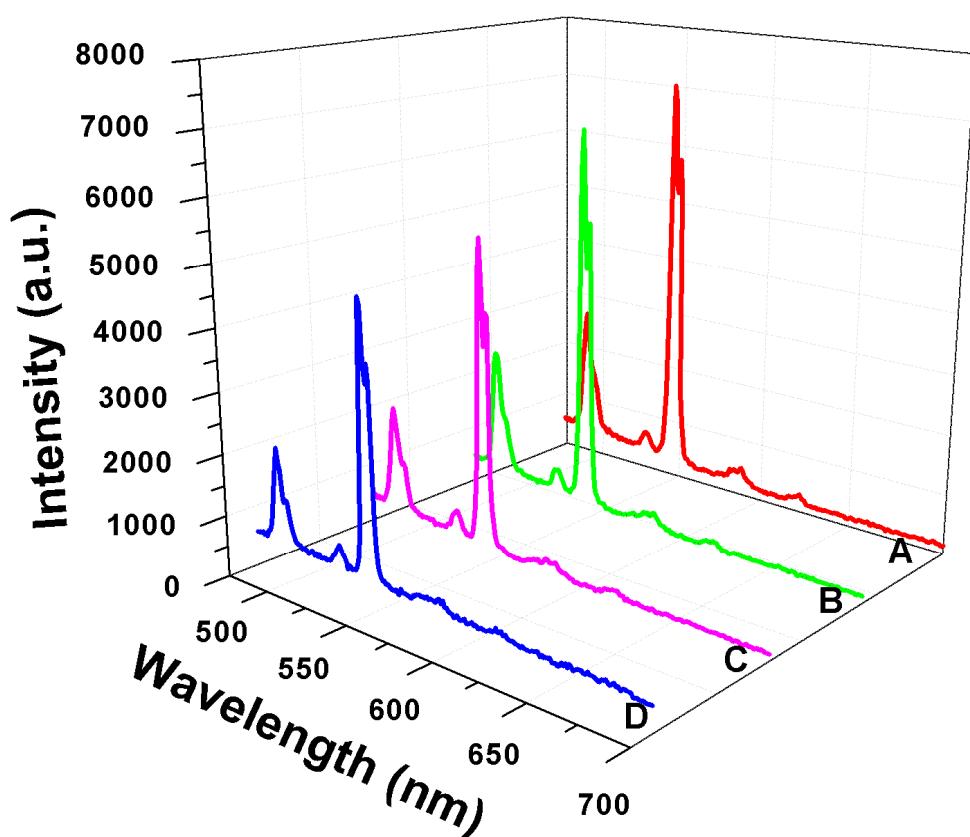


Fig. S2 Emission spectra of $\text{SrMoO}_4:\text{Tb}^{3+}$ samples prepared different reactants concentration of 60 mM (A), 20 mM (B), 15 mM (C), and 10 mM (D). All of the samples were prepared with the PSS concentration of 0.1 g/L at 80 °C for 12 h (pH = 3).

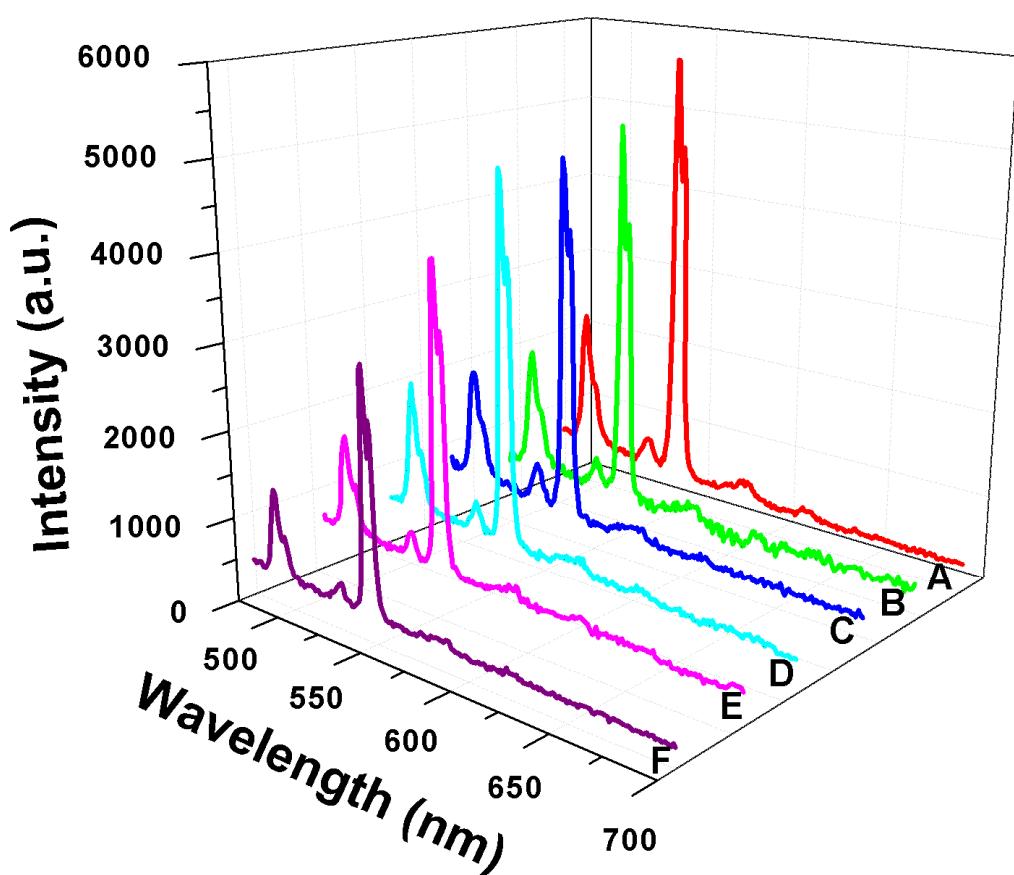


Fig. S3 Emission spectra of $\text{SrMoO}_4:\text{Tb}^{3+}$ samples prepared with different pH values of 6.3 (A), 5 (B), 4 (C), 3 (D), 2.5 (E) and 2 (F). All of the samples were obtained with the PSS concentration of 0.1 g/L at 80 °C while the reactants concentration in the mixed solvent was fixed at 20 mM.

Table S1 Amount of sulfonic acid group neutralized by Sr^{2+} ions at different PSS

concentrations

PSS(g/L)	0	0.05	0.1	1.5	3	4
Neutralized SO ³⁻ (mmol)	0	0.048	0.097	0.146	0.290	0.388