Supporting Information

SI 1 the relationship between the optical properties of Eu\(^{3+}\) ions and the structure of host

**Figure S1.** Emission spectrum of C12A7:Eu and SrSnO\(_3\):Eu

SI 2 the relationship between the luminescence properties Eu\(^{3+}\) ions and the pore structure

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Figure S2. Room temperature emission spectra at 391 nm of C12A7 doped with different Eu$^{3+}$ contents with and without pore structure: (a) 1%; (b) 2%; (c) 5%; (d) 10%.