

Supplementary Information

Highly uniform NaLa(MoO₄)₂:Ln³⁺ (Ln = Eu, Dy) microspheres: template-free hydrothermal synthesis, growing mechanism, and luminescent properties

Wanwan Xia,^{ab} Zuoling Fu,^{*ab} Qisong Li,^{ab} Xiaoyun Cui^{ab} and Wenhao Li^{*c}

^aState Key Laboratory of Superhard Materials, College of Physics, Jilin University, Changchun 130012, China

^bKey Lab of Coherent Light, Atomic and Molecular Spectroscopy, Ministry of Education, Changchun 130012, China

^cChangchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, Changchun 130033, China

E-mail: zlfu@jlu.edu.cn (Z. L.Fu) and leewenho@163.com (W. H. Li)

Telephone: 86-431-85167966

Fax: 86-431-85167966

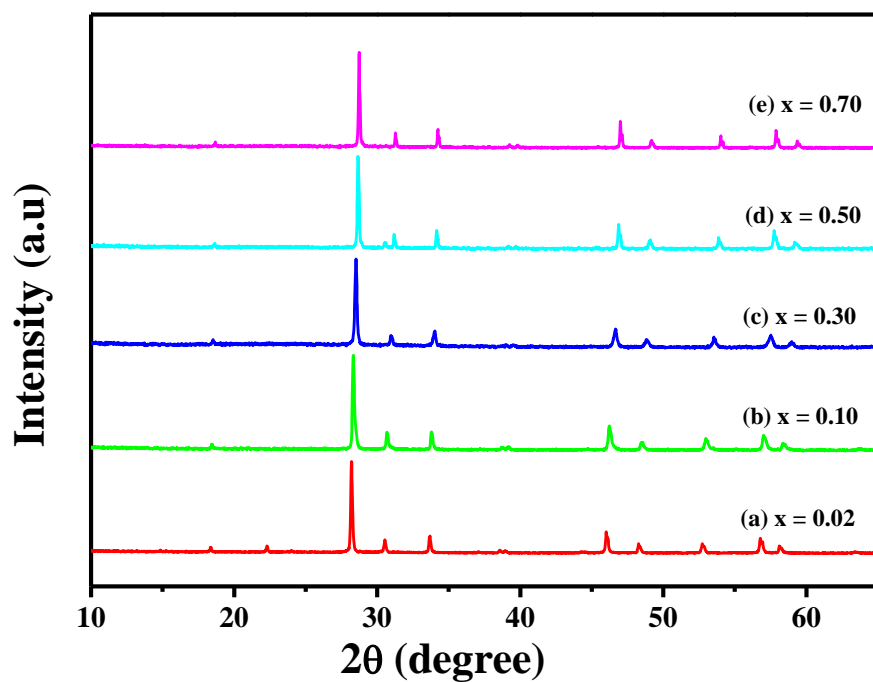


Fig. S1 XRD patterns of $\text{NaLa}_{1-x}(\text{MoO}_4)_2 \cdot x \text{Eu}^{3+}$ samples prepared by hydrothermal method at 180°C for 12 h with different doping concentrations ($x = 0.02, 0.10, 0.30, 0.50, 0.70$).