

Supporting information for

**NaY(MoO₄)₂ microcrystals with controlled faceting and
their tunable photoluminescence properties after doping
with Eu³⁺**

Lin Xu,^a Xiaoyan Yang,^a Haimeng Lu,^b Chenhui Hu^a and Wenhua Hou^{*ab}

^a Key Laboratory of Mesoscopic Chemistry of MOE, School of Chemistry and Chemical

Engineering, Nanjing University, Nanjing 210093, P. R. China.

^b Nanjing University-Yangzhou Institute of Chemistry and Chemical Engineering, Yangzhou,

211400, P. R. China

*Corresponding author. Fax: +86-25-83317761; Tel: +86-25-83686001; E-mail:

whou@nju.edu.cn

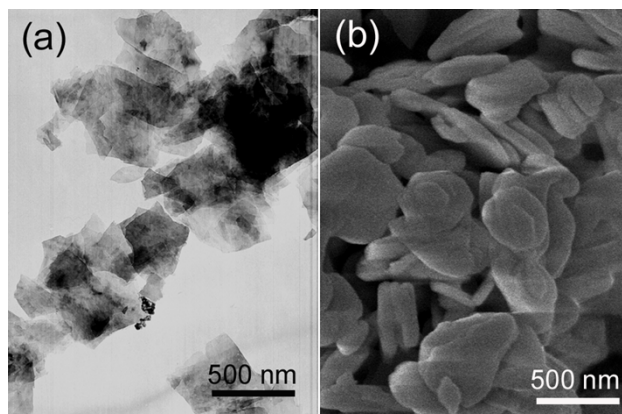


Fig. S1. (a) TEM image and (b) SEM image of the products obtained in the absence of EDTA at 180 °C.

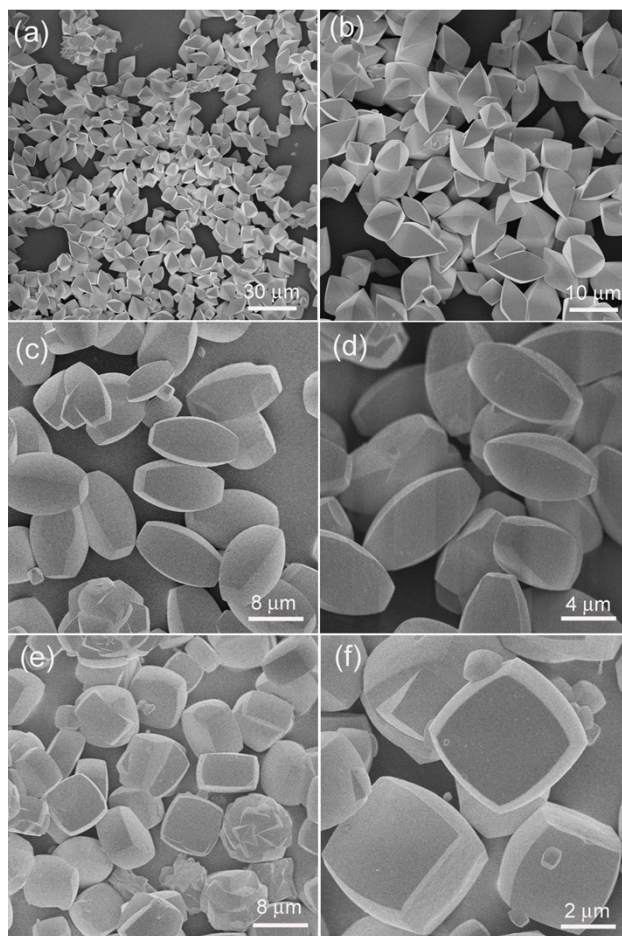


Fig. S2 SEM images of the $\text{NaY}(\text{MoO}_4)_2:\text{Eu}^{3+}$ microstructures obtained at $\text{pH} = 5$ with the assistance of different amounts of EDTA. (a)–(b) 0.20 g EDTA. (c)–(d) 0.35 g EDTA. and (e)–(f) 0.45 g EDTA.