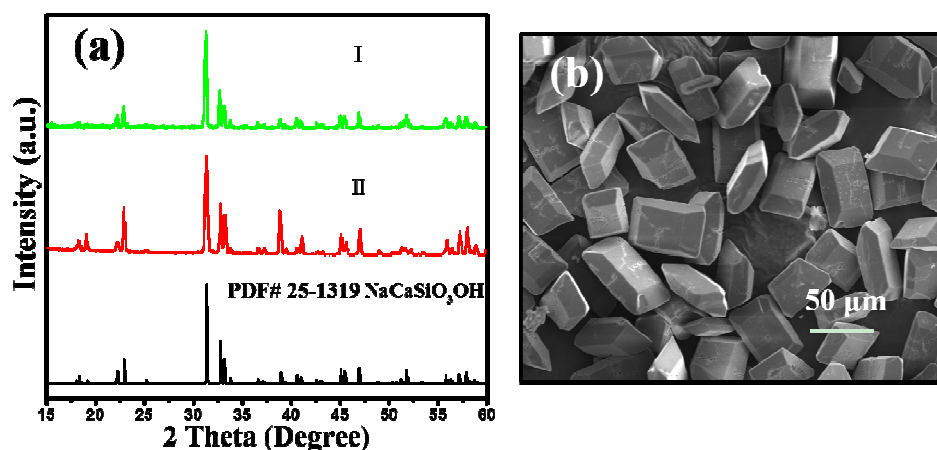


# Ethylenediamine-Assisted Hydrothermal Synthesis of NaCaSiO<sub>3</sub>OH: Controlled Morphology, Mechanism and Luminescence Properties by doping Eu<sup>3+</sup>/Tb<sup>3+</sup>

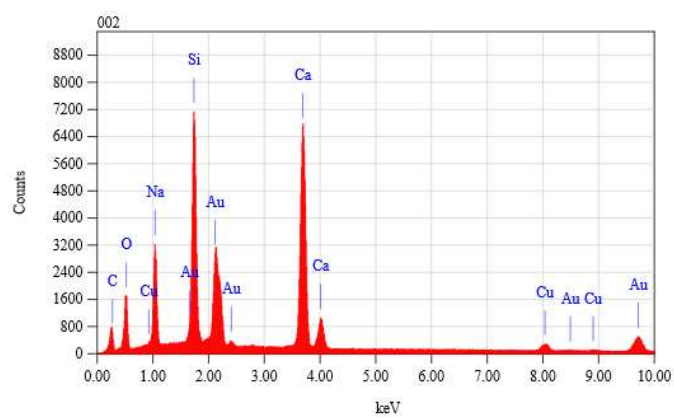
Mingyue Chen<sup>†</sup>, Zhiguo Xia<sup>\*,†</sup>, Quanlin Liu<sup>†</sup>

<sup>†</sup>School of Materials Sciences and Engineering, University of Science and Technology Beijing, Beijing 100083, China

## Supporting Information



**Figure S1** XRD patterns (a) of (I) NaCaSiO<sub>3</sub>OH:0.03Eu<sup>3+</sup> and (II) NaCaSiO<sub>3</sub>OH:0.03Tb<sup>3+</sup> samples prepared in the volume ratios of EDA/H<sub>2</sub>O = 2/28. The standard data of NaCaSiO<sub>3</sub>OH (PDF card 25-1319) is used as reference. The SEM image (b) of NaCaSiO<sub>3</sub>OH:0.03Eu<sup>3+</sup> samples



**Figure S2.** EDS spectrum of the as-obtained NaCaSiO<sub>3</sub>OH (EDA/H<sub>2</sub>O = 2/28)