## Synthesis and photoluminescence properties of perovskite

## LaMg<sub>0.667</sub>Nb<sub>0.333</sub>O<sub>3</sub>:Mn<sup>4+</sup>,Bi<sup>3+</sup>: A novel deep-red phosphor for WLEDs

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Fig. S1 XRD patterns of the samples (A: synthesized by traditional method without manganese; B: synthesized by traditional method with MnO<sub>2</sub> as manganese source; C: synthesized by traditional method with MnCO<sub>3</sub> as manganese source; D: synthesized by rapid microwave-assisted method

with MnO<sub>2</sub> as manganese source)