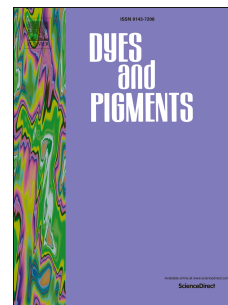


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Eu<sup>3+</sup>/Sm<sup>3+</sup>-doped Na<sub>2</sub>BiMg<sub>2</sub>(VO<sub>4</sub>)<sub>3</sub> from substitution of Ca<sup>2+</sup> by Na<sup>+</sup> and Bi<sup>3+</sup> in Ca<sub>2</sub>NaMg<sub>2</sub>(VO<sub>4</sub>)<sub>3</sub>: Color-tunable luminescence via efficient energy transfer from (VO<sub>4</sub>)<sup>3-</sup> to Eu<sup>3+</sup>/Sm<sup>3+</sup> ions



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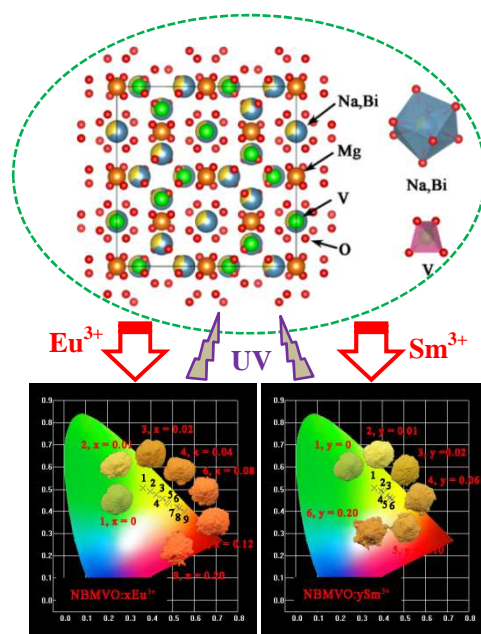
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## Graphical Abstract



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