

Barium Molybdate Up-Conversion Nanoscale Particle with IR-LED chip, Temperature Sensing, and Anti-Counterfeiting Applications

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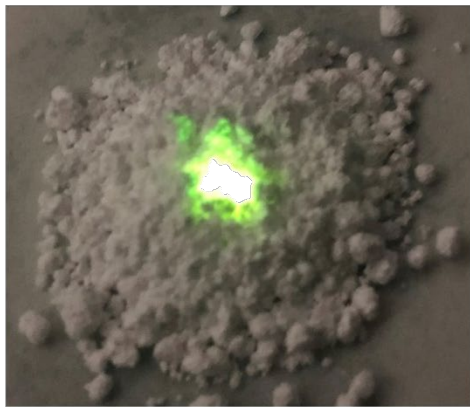
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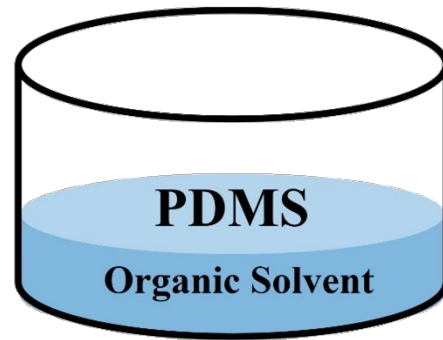
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BaMoO₄:[Er³⁺]/ [Yb³⁺] powder



Mixed

PDMS



Casting & Cure

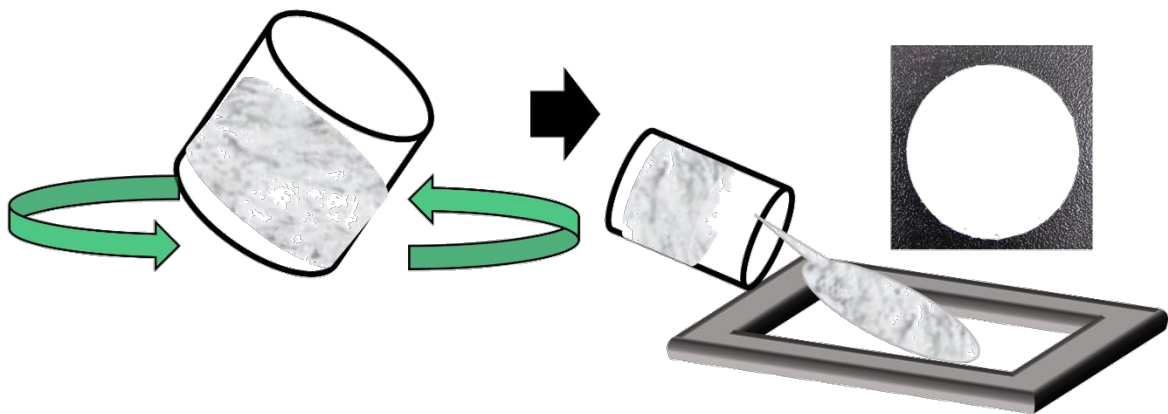


Figure S1. Schematic of fabricated flexible composite process.

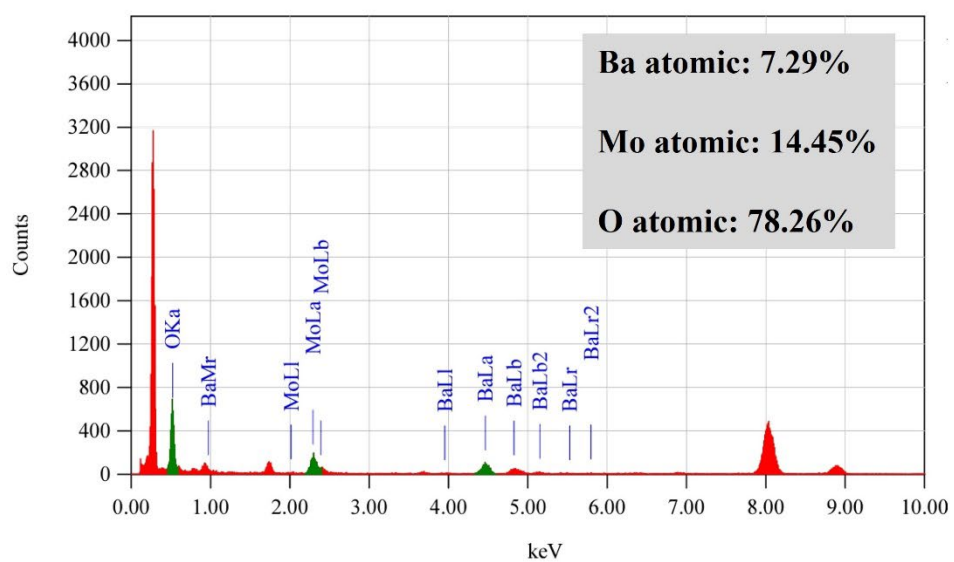
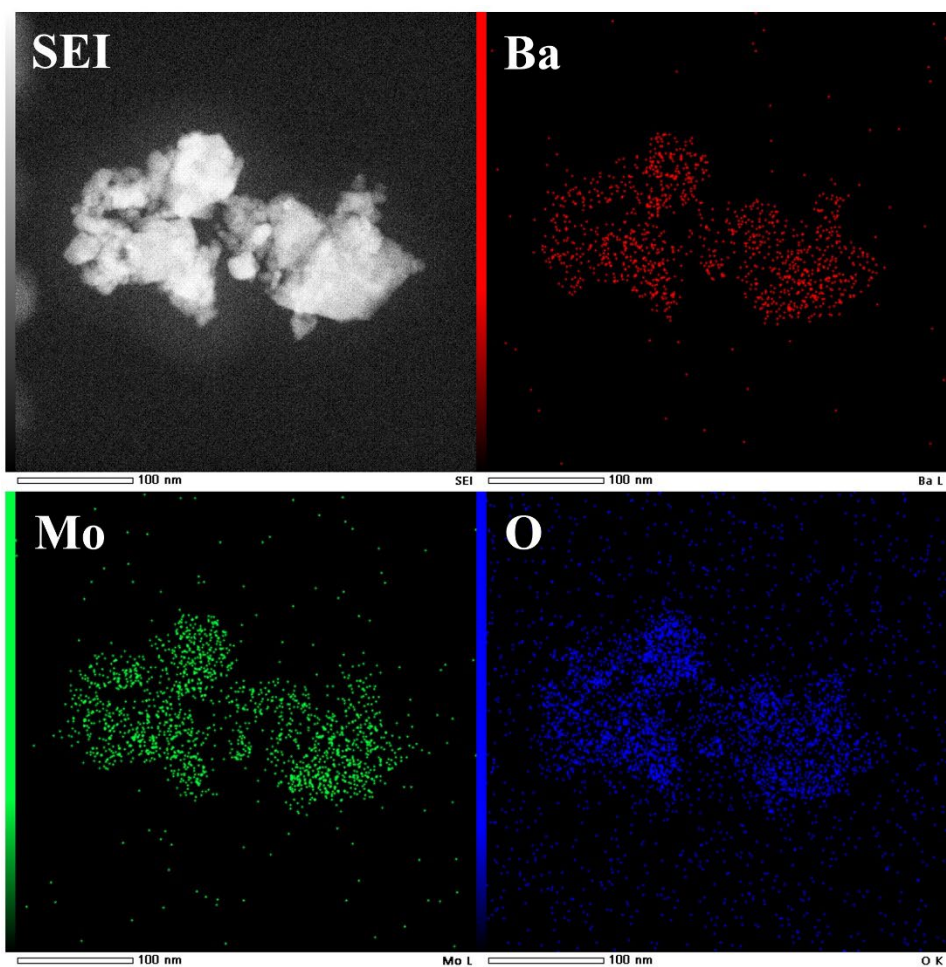


Figure S2. TEM-EDS mapping analysis of pristine BaMoO₄.

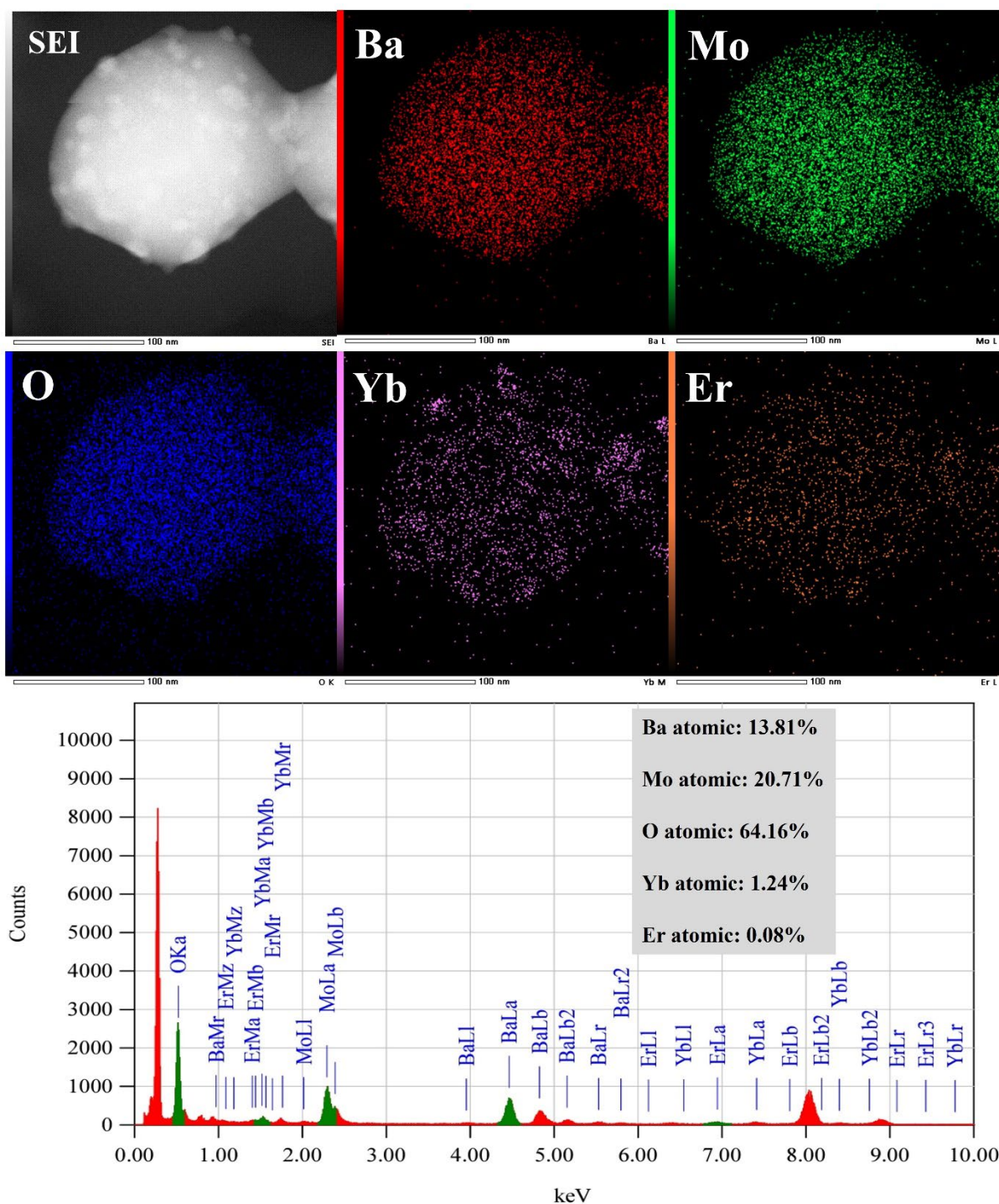


Figure S3. TEM-EDS mapping analysis of $\text{BaMoO}_4\text{:}[\text{Er}^{3+}]/[\text{Yb}^{3+}]$.

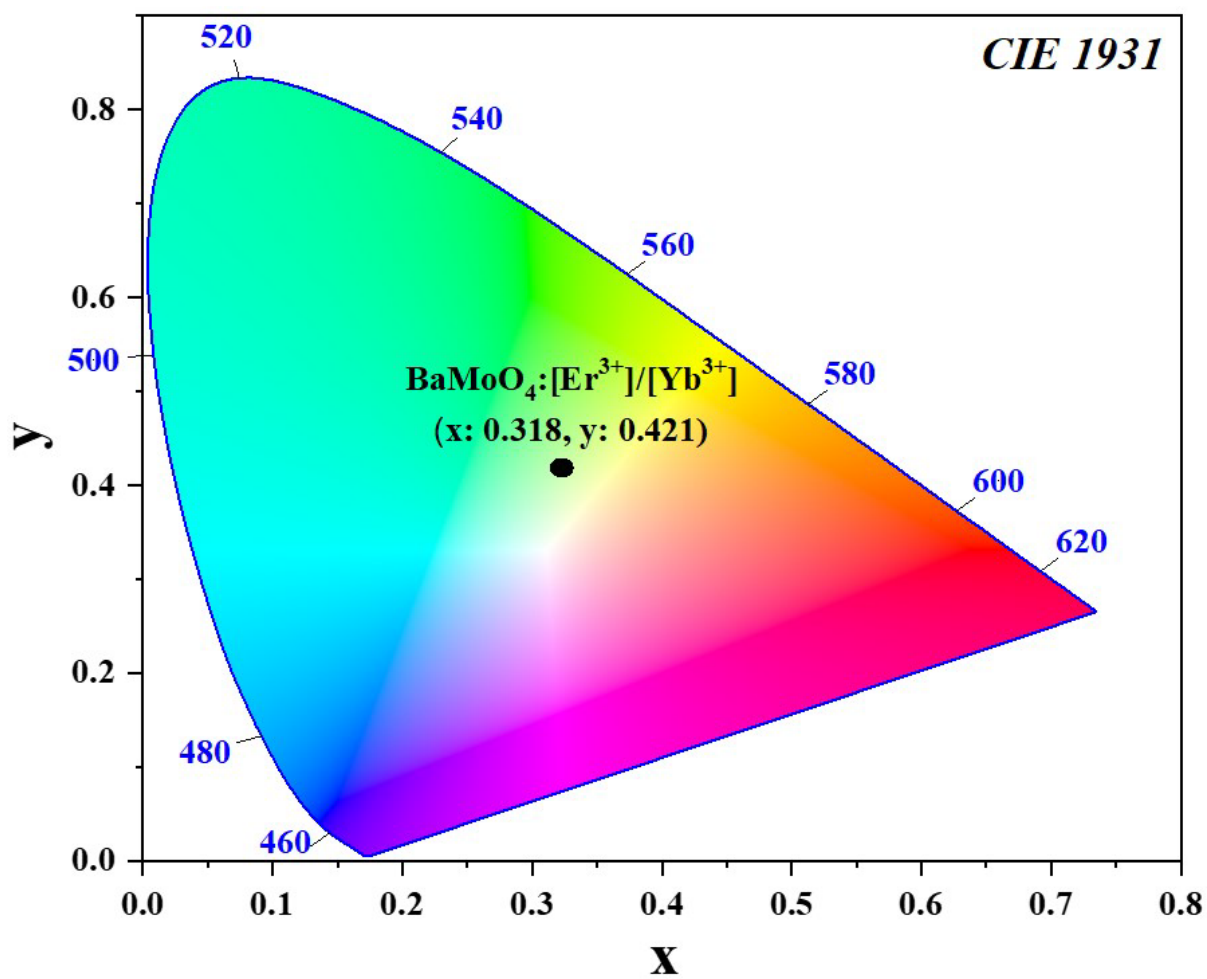


Figure S4. CIE coordinates x: 0.318 and y: 0.421 of $\text{BaMoO}_4:[\text{Er}^{3+}]/[\text{Yb}^{3+}]$.