

## SUPPORTING INFORMATION

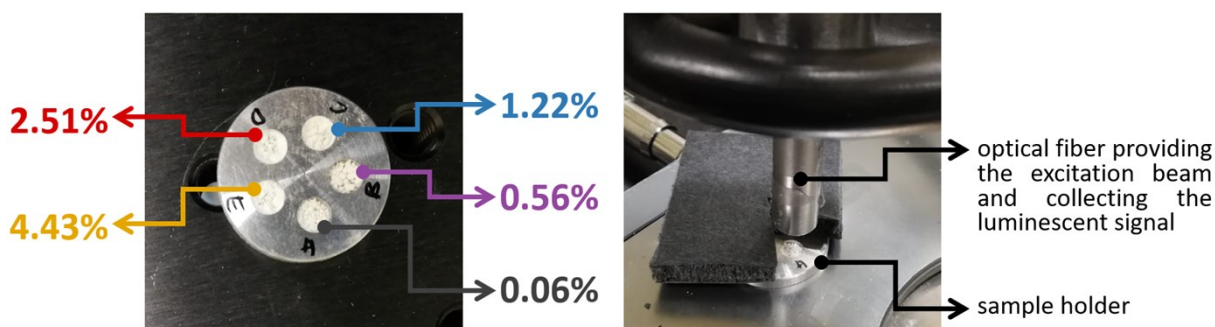
# Blue-Emitting Single Band Ratiometric Luminescent Thermometry based on $\text{LaF}_3:\text{Pr}^{3+}$

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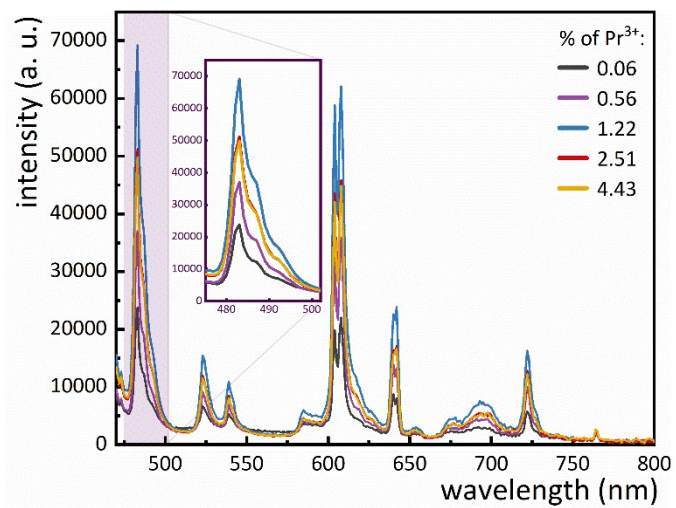
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**Keywords:** trifluorides, SBR, luminescent thermometry, praseodymium



**Figure S1.** The system used to compare the emission intensities of the  $\text{LaF}_3:\text{Pr}^{3+}$  nanocrystals upon GSA-matched excitation.



**Figure S2.** Comparison of the emission spectra of LaF<sub>3</sub> phosphors with different Pr<sup>3+</sup> ion concentrations measured using the measurement system illustrated in **Figure S1**.