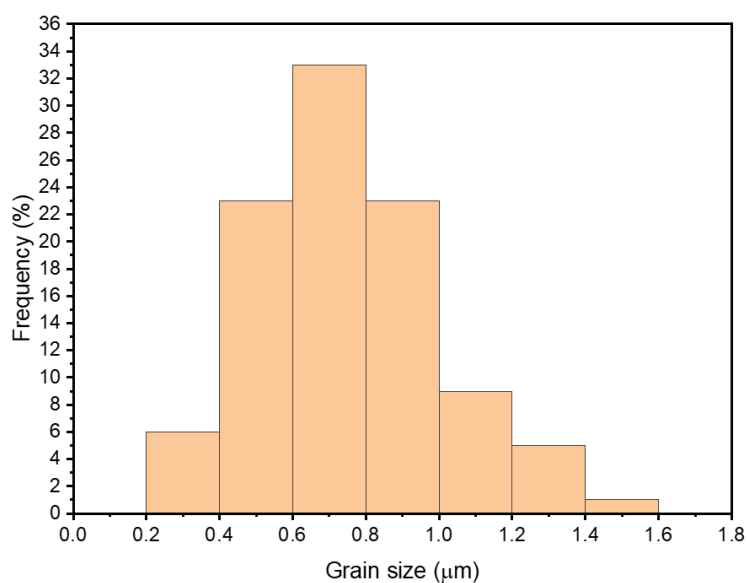


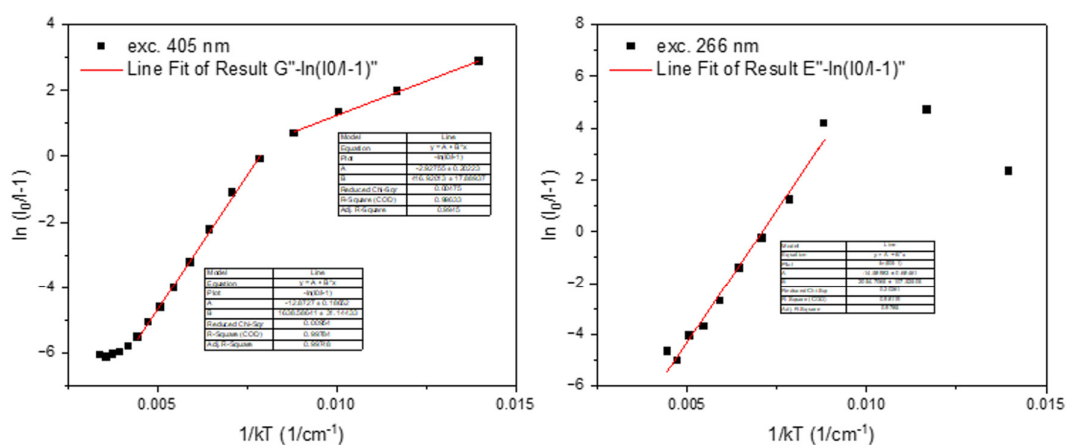
## Supplementary

### Highly sensitive temperature sensors resulting from the luminescent behavior of $\text{Sm}^{3+}$ -doped $\text{Ba}_2\text{MgMoO}_6$ high symmetry double-perovskite molybdate phosphors

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**Figure S1.** Histogram of the average crystal size.



**Figure S2.** Fitting of an Arrhenius equation to temperature-dependent emission intensity of  $\text{BMM}:\text{Sm}^{3+}$  excited at 405 nm (left) and 266 nm (right).