

# Supporting Information

Preparation of zero-thermal-quenching tunable emission bismuth-containing phosphors through topochemical design of ligand configuration

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**Figure S1**

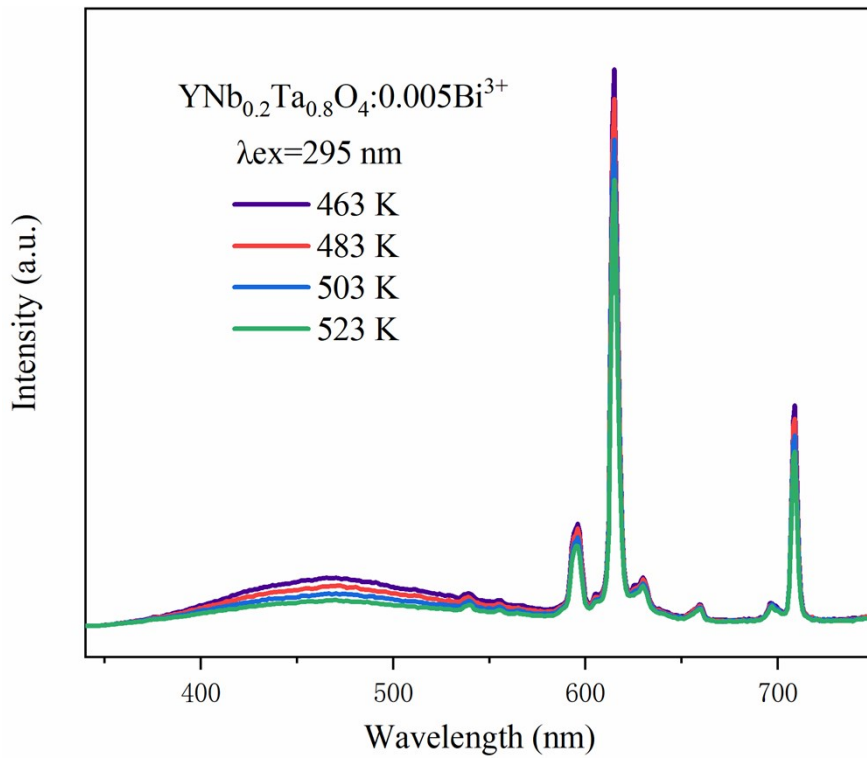


Fig. S1 The PL spectra of Y<sub>0.985</sub>Nb<sub>0.2</sub>Ta<sub>0.8</sub>O<sub>4</sub>:0.005Bi<sup>3+</sup>,0.01Eu<sup>3+</sup> at various temperature.

**Figure S2**

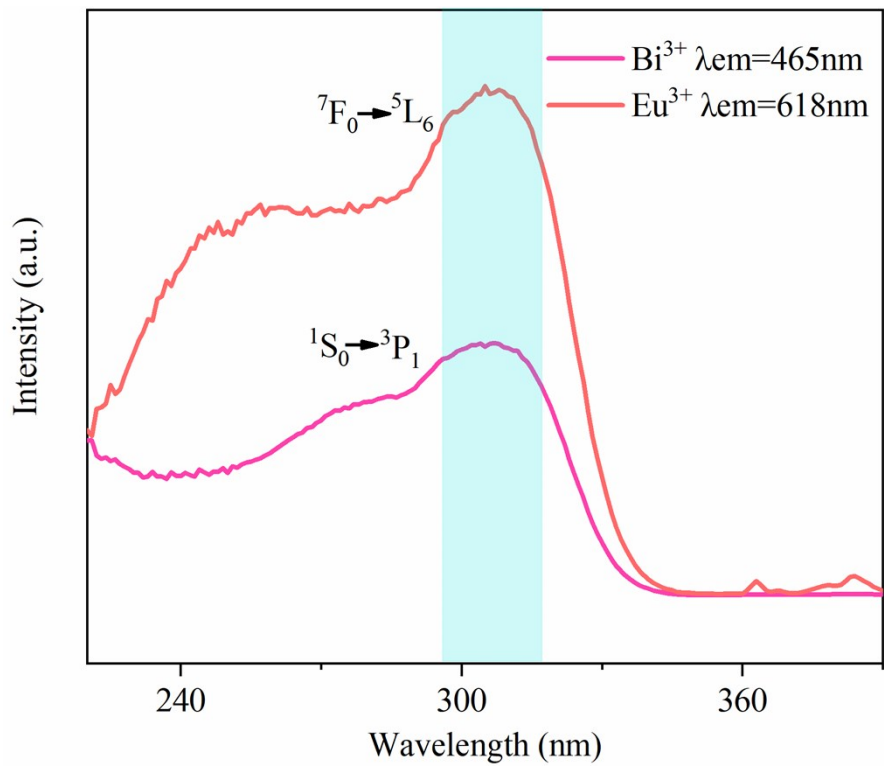


Fig. S2 The PLE spectra of  $\text{YNb}_{0.8}\text{Ta}_{0.2}\text{O}_4:0.005\text{Bi}^{3+},0.01\text{Eu}^{3+}$ .

**Figure S3**

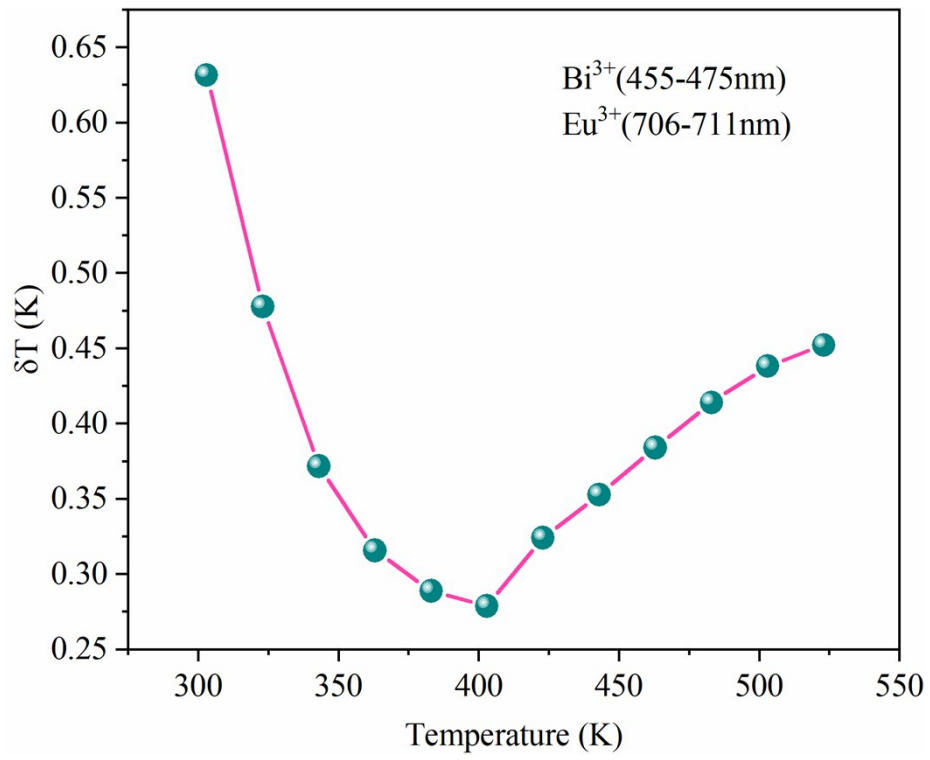


Fig. S3 The temperature resolution of  $\text{YNb}_{0.8}\text{Ta}_{0.2}\text{O}_4:0.005\text{Bi}^{3+},0.01\text{Eu}^{3+}$ .

## Figure Captions

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