

Supporting Information:

Comment on “Zero-thermal-quenching and photoluminescence tuning with assistance of carriers from defect cluster traps”

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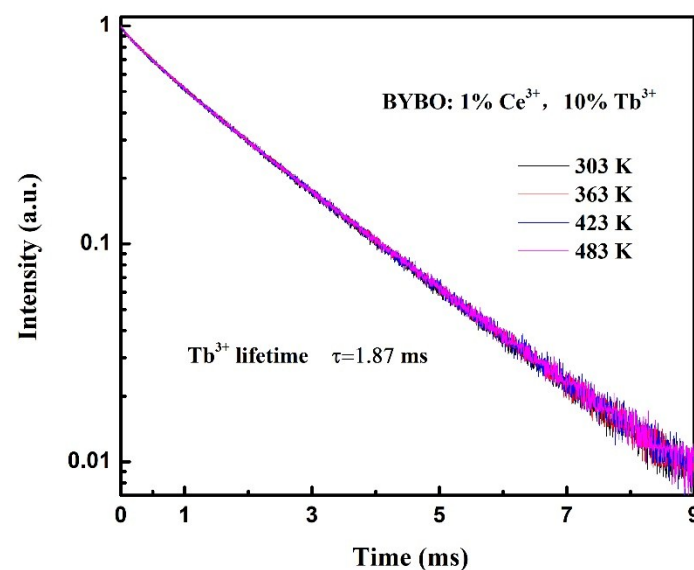


Fig. S1 Fluorescence decay curves of Tb^{3+} $^5\text{D}_4$ transition in BYBO: 1% Ce^{3+} , 10% Tb^{3+} upon Ce^{3+} excitation at 350nm for different temperatures from 303K to 483K

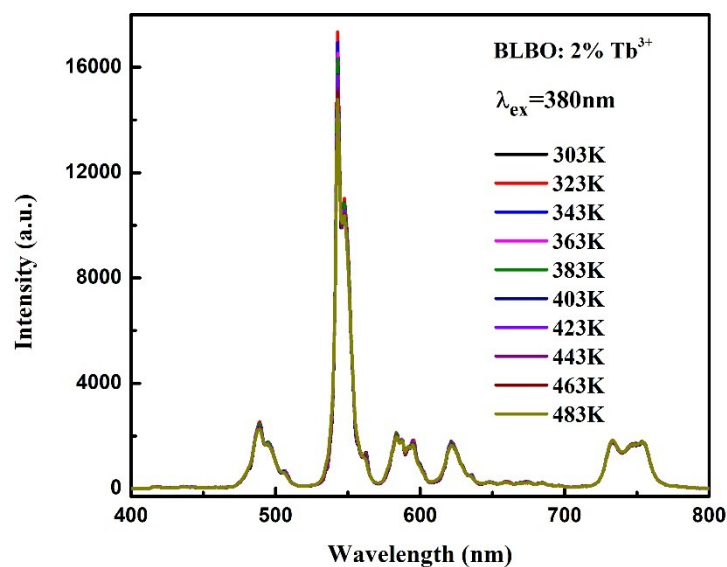


Fig.S2 Temperature dependent PL spectra of BLBO: 2% Tb^{3+} upon 380nm excitation.

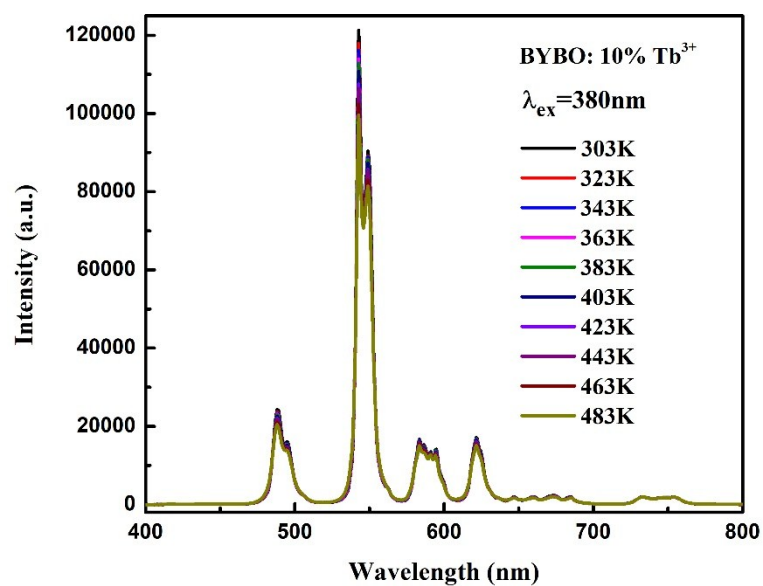


Fig.S3 Temperature dependent PL spectra of BYBO: 10% Tb³⁺ upon 380nm excitation.

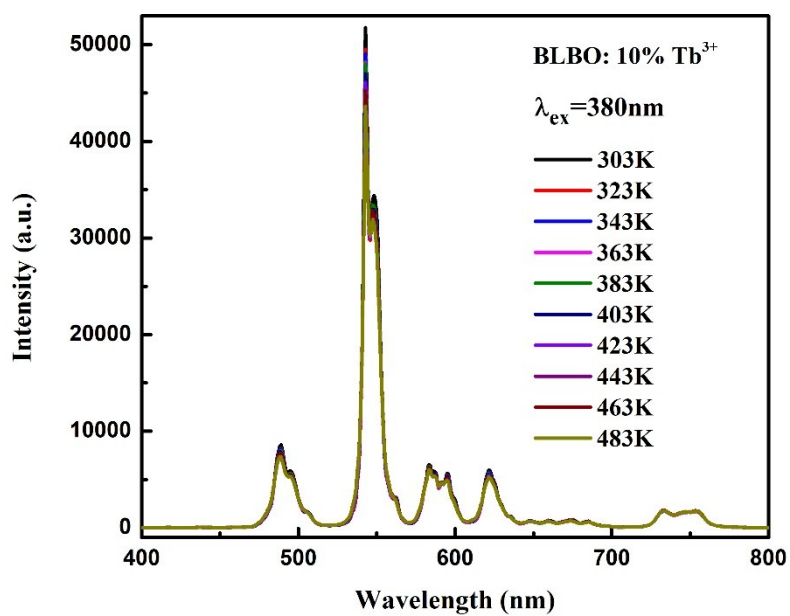


Fig.S4 Temperature dependent PL spectra of BLBO: 10% Tb³⁺ upon 380nm excitation.