Supporting Information

Collective substitutions of selective rare earths (Yb^{3+}, Dy^{3+}, Tb^{3+}, Gd^{3+}, Eu^{3+}, Nd^{3+}) in ZrO_2: An exciting prospect for biomedical applications.

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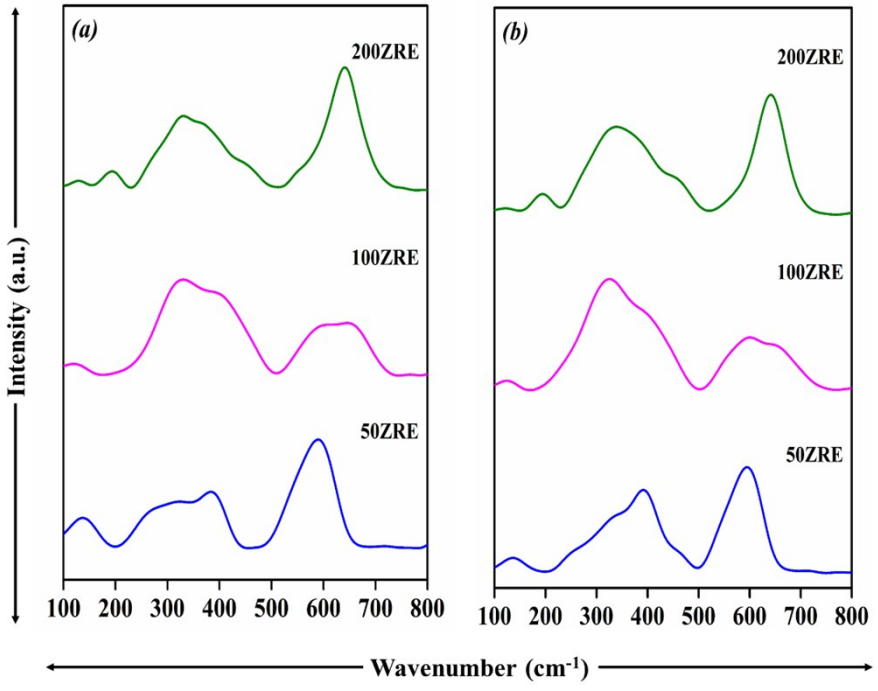

Fig. S1 Raman spectra of multiple RE additions in ZrO_2. **Figs. S1*a*** and ***b*** represent the Raman spectra of the compositions recorded after heat treatment at 1400 and 1500 ºC.

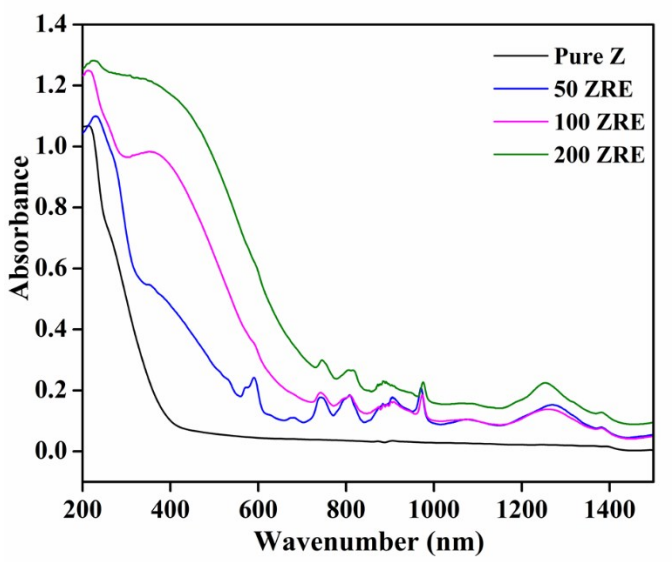

Fig. S2 Absorption spectra of all the multiple RE additions in ZrO_2 compositions after heat treatment at 1500 ºC.