

Coordination polymer templated engineering of YVO₄:Eu submicron crystals and photoluminescence

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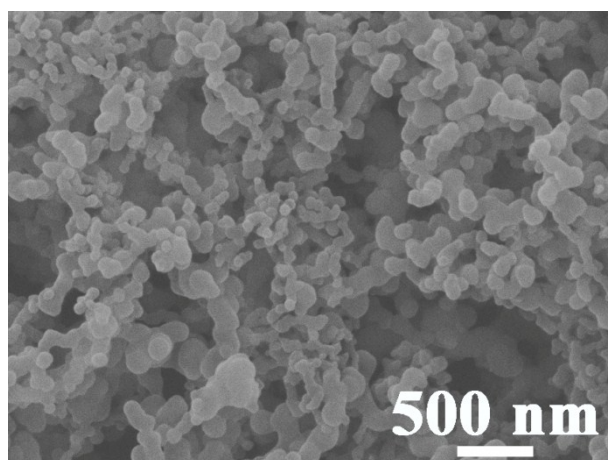


Fig. S1 FE-SEM image of the CP precursor.

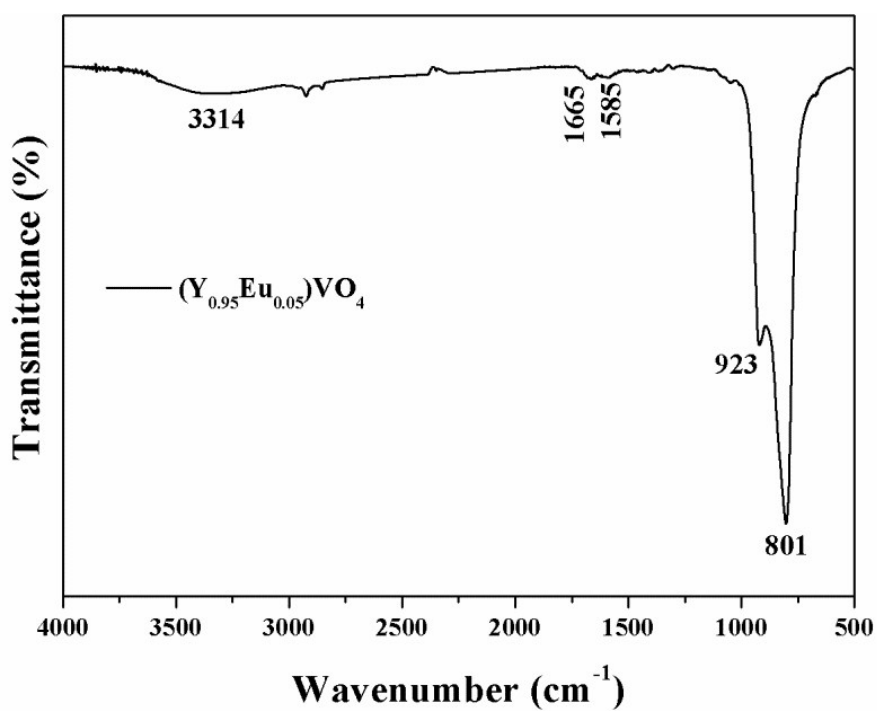


Fig. S2 FTIR spectrum of the $(Y_{0.95}Eu_{0.05})VO_4$ cuboids hydrothermally synthesized at 180 °C for 24 h under $VO_4^{3-}/(Y_{0.95}Eu_{0.05})^{3+}$ molar ratio $R = 1.0$.

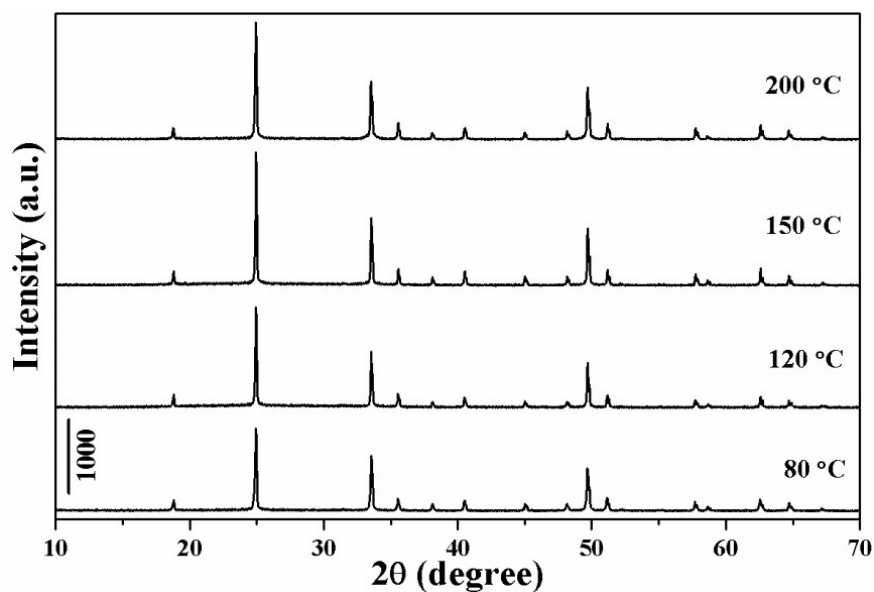


Fig. S3 XRD patterns of the products synthesized via hydrothermal reaction under different temperatures (80-200 °C) for 24 h, where $\text{VO}_4^{3-}/(\text{Y}_{0.95}\text{Eu}_{0.05})^{3+}$ molar ratio $R = 1.0$.

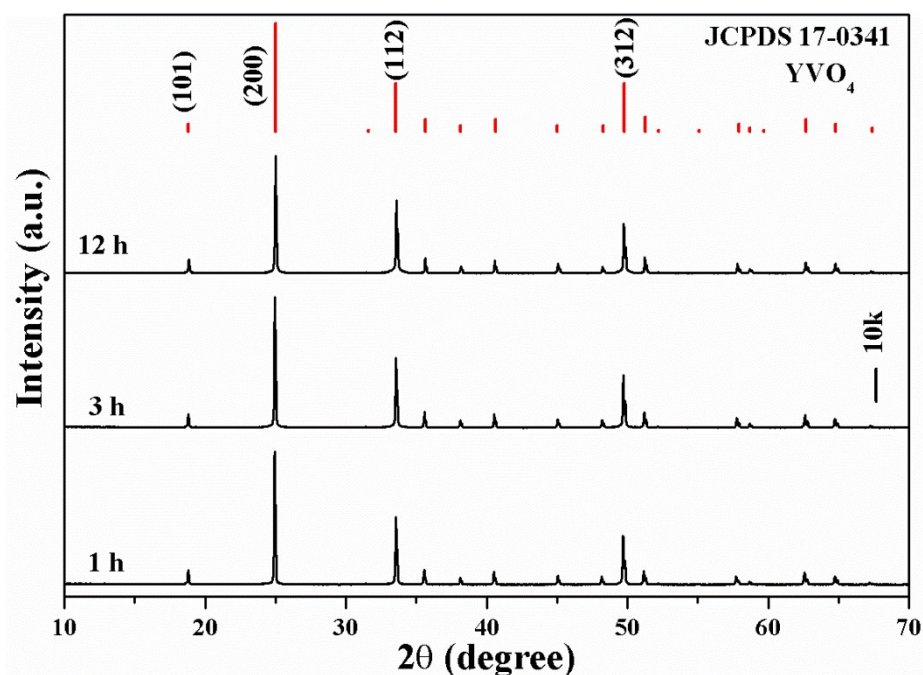


Fig. S4 XRD patterns of the samples synthesized via hydrothermal reaction for different periods of time under 180 °C and $\text{VO}_4^{3-}/(\text{Y}_{0.95}\text{Eu}_{0.05})^{3+}$ molar ratio $R = 1.0$.

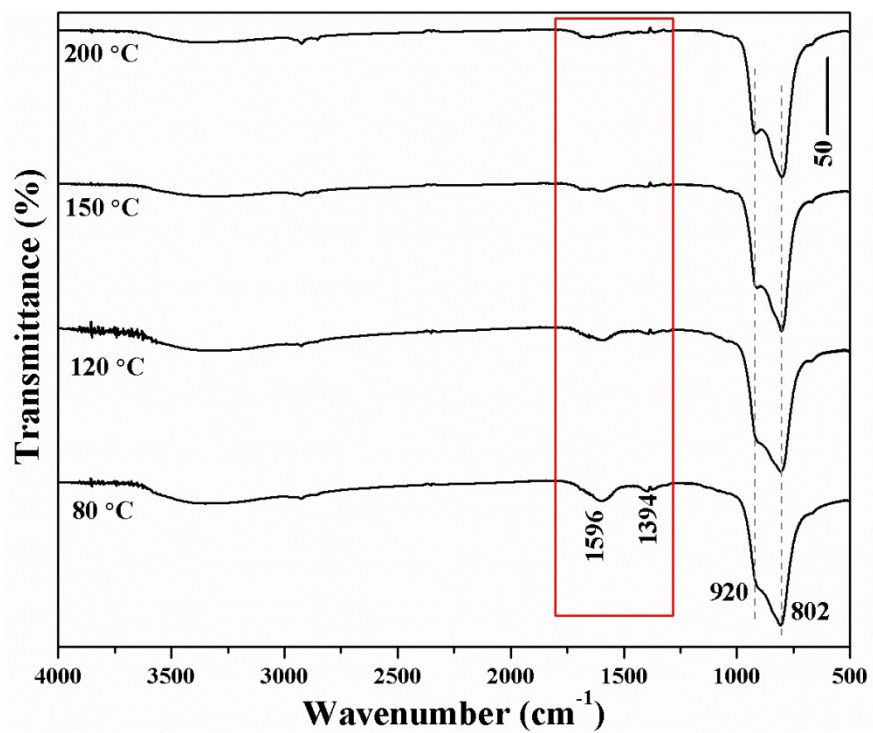


Fig. S5 FTIR spectra of the products synthesized via hydrothermal reaction under different temperatures (80-200 °C) for 24 h, where $\text{VO}_4^{3-}/(\text{Y}_{0.95}\text{Eu}_{0.05})^{3+}$ molar ratio $R = 1.0$.