

Figure S 1 The emission spectra of GPS:Ce-1300°C powders under different testing temperatures (RT to 250°C) ( $\lambda_{ex} = 300\text{nm}$ )

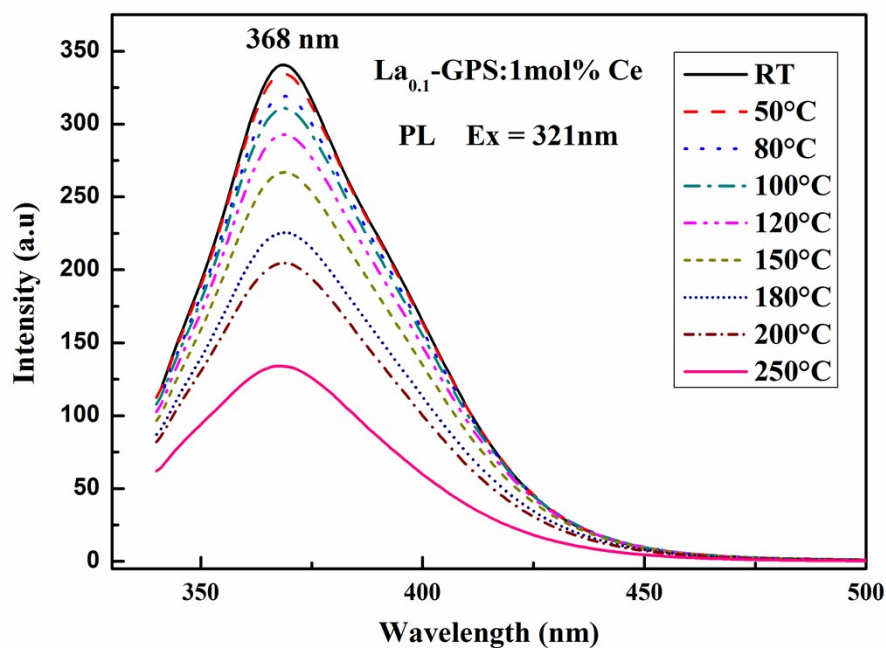


Figure S 2 The emission spectra of La-GPS:Ce powders under different testing temperatures (RT to 250°C) ( $\lambda_{ex} = 321\text{nm}$ )

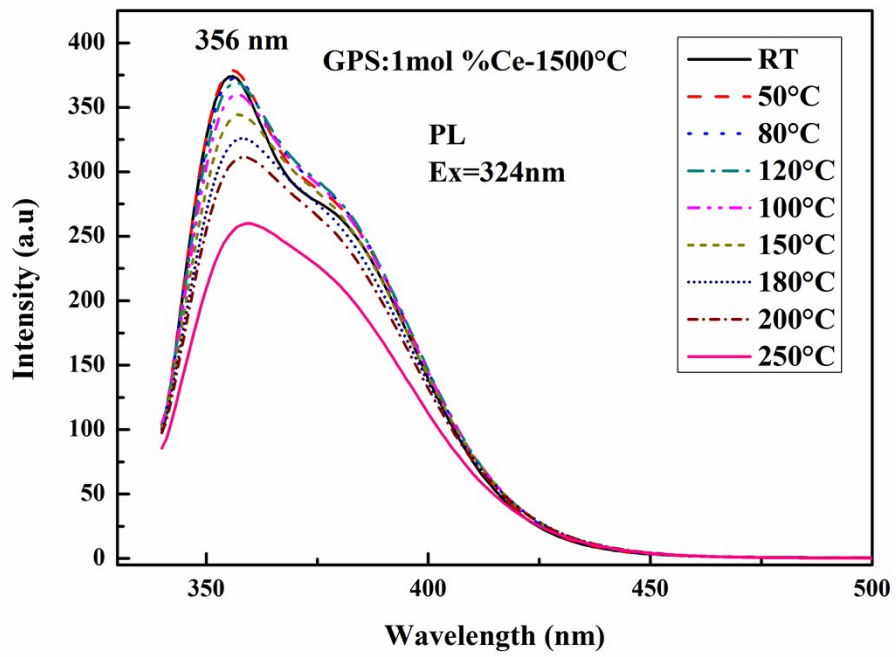


Figure S 3 The emission spectra of GPS:Ce-1500°C powders under different testing temperatures (RT to 250°C) ( $\lambda_{ex} = 324\text{nm}$ )