

Supporting Information

Fig. S1 EPR spectra of as-prepared $\text{Zn}_2\text{GeO}_4:x\text{Eu}$ nanocrystals.

Table R1 The QY of as-prepared $\text{Zn}_2\text{GeO}_4:x\text{Eu}$ with different Eu-doped concentration.

Table R2 The QY of as-prepared $\text{Zn}_2\text{GeO}_4:0.15\text{Eu}$ with different excitation wavelengths.(the emission of samples excited at 318 nm and 350 nm are situated at the nearly central of white light region)

Fig. S2 (a) and (b) SEM images of $\text{Zn}_2\text{GeO}_4:0.05\text{Eu}$ nanocrystals calcined at 400°C and 600°C for 8h in air, respectively. (c) and (d) SEM images of $\text{Zn}_2\text{GeO}_4:0.05\text{Eu}$ nanocrystals calcined at 400°C and 600°C for 8h in graphite crucible, respectively.

Fig. S3 XPS spectra of $\text{Zn}_2\text{GeO}_4:0.05\text{Eu}$ nanocrystals calcined at 600°C for 8h in air and graphite crucible, respectively.

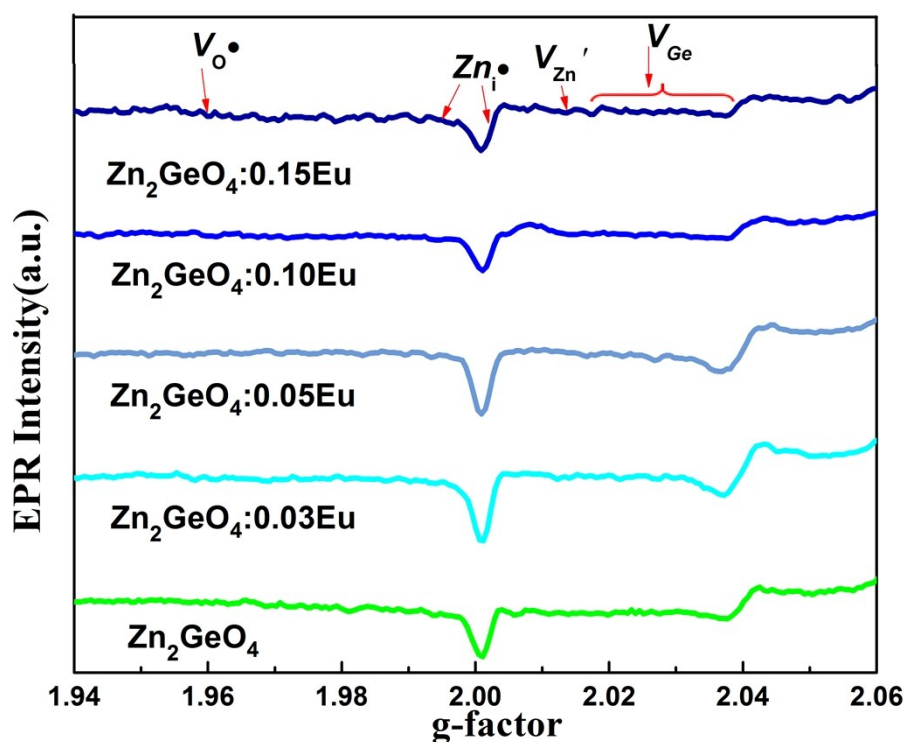


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Table R1 The QY of as-prepared $\text{Zn}_2\text{GeO}_4:x\text{Eu}$ with different Eu-doped concentration.

$\text{Zn}_2\text{GeO}_4:x\text{Eu}(x)$	0	0.01	0.03	0.05	0.07	0.10	0.15
QY (%)	21	5	6	7	8	10	17

Table R2 The QY of as-prepared $\text{Zn}_2\text{GeO}_4:0.15\text{Eu}$ with different excitation wavelengths.
(the emission of samples excited at 318 nm and 350 nm are situated at the nearly central of white light region)

Excitation wavelengths(nm)	265	318	350
QY (%)	17	35	19

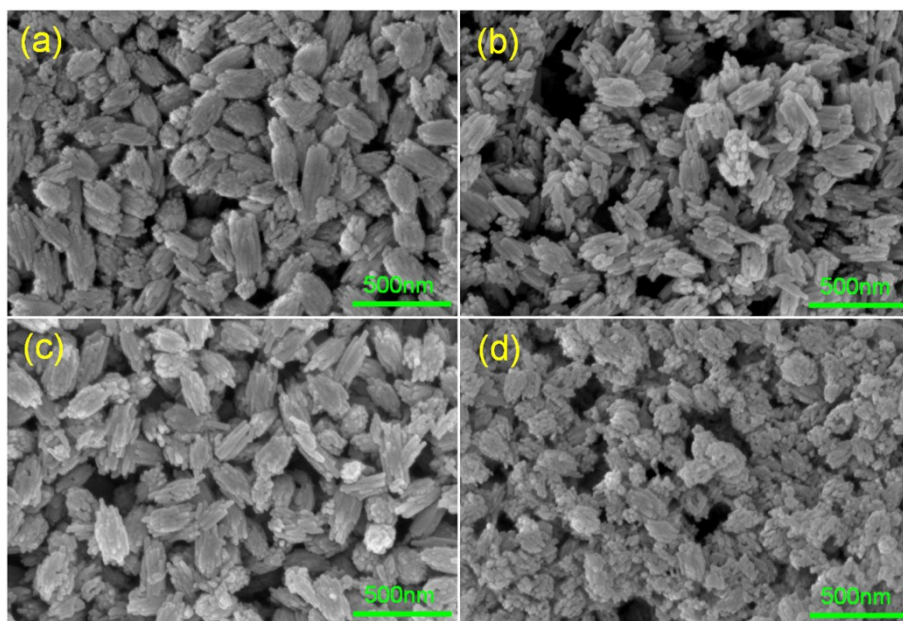


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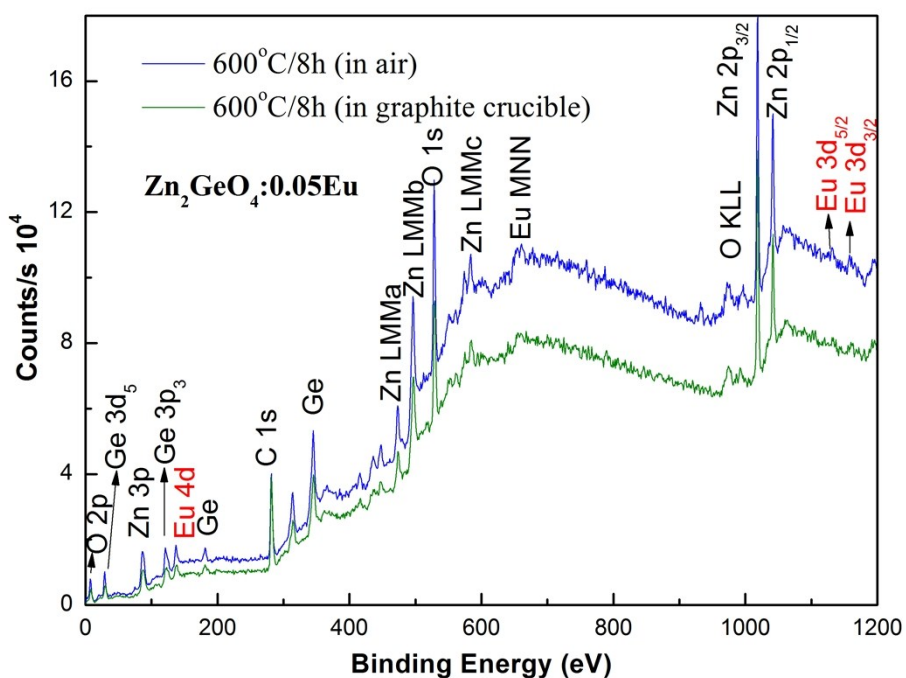


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