

# Supporting Information

## Synthesis, Optical and Structural Properties, and Charge Carrier Dynamics of Cu-doped ZnSe Nanocrystals

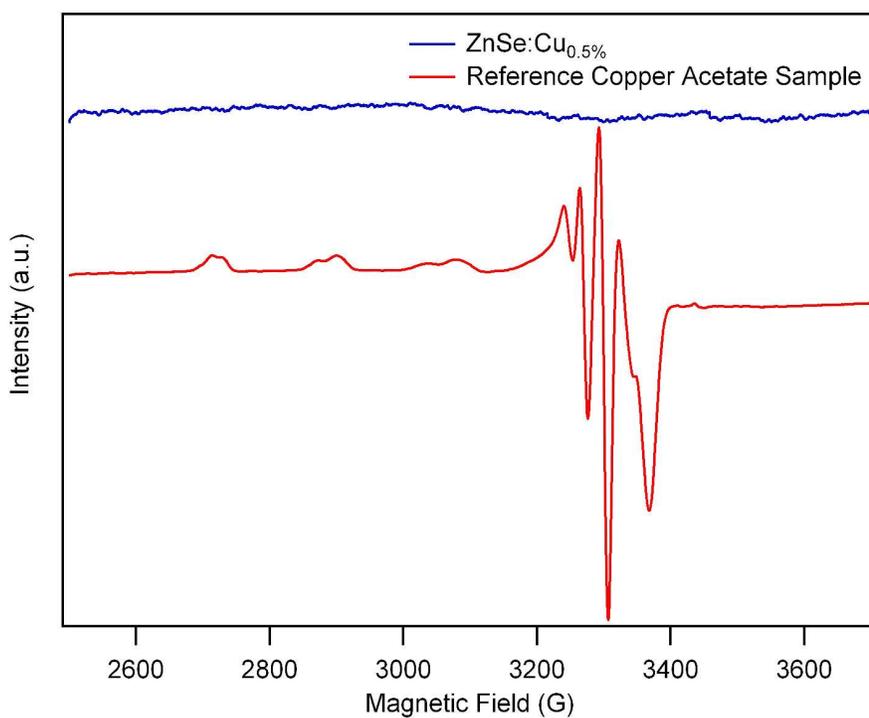
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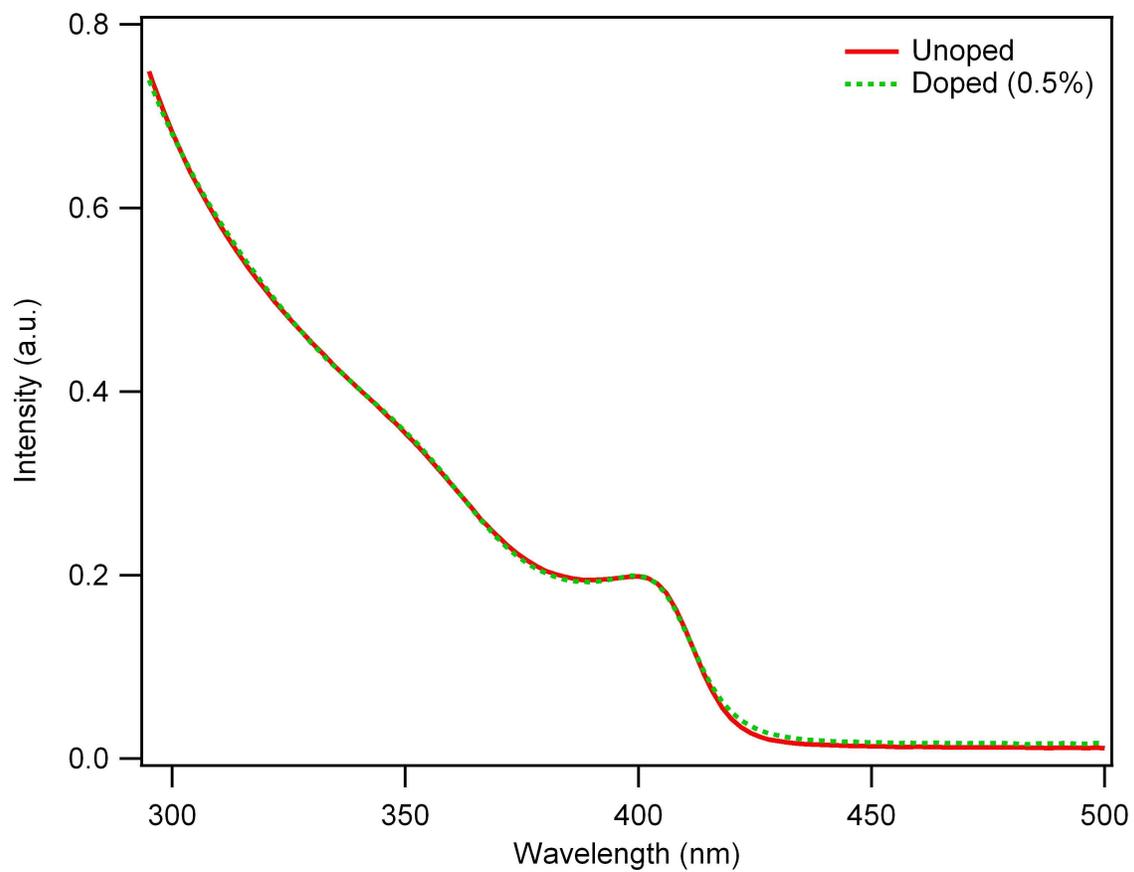
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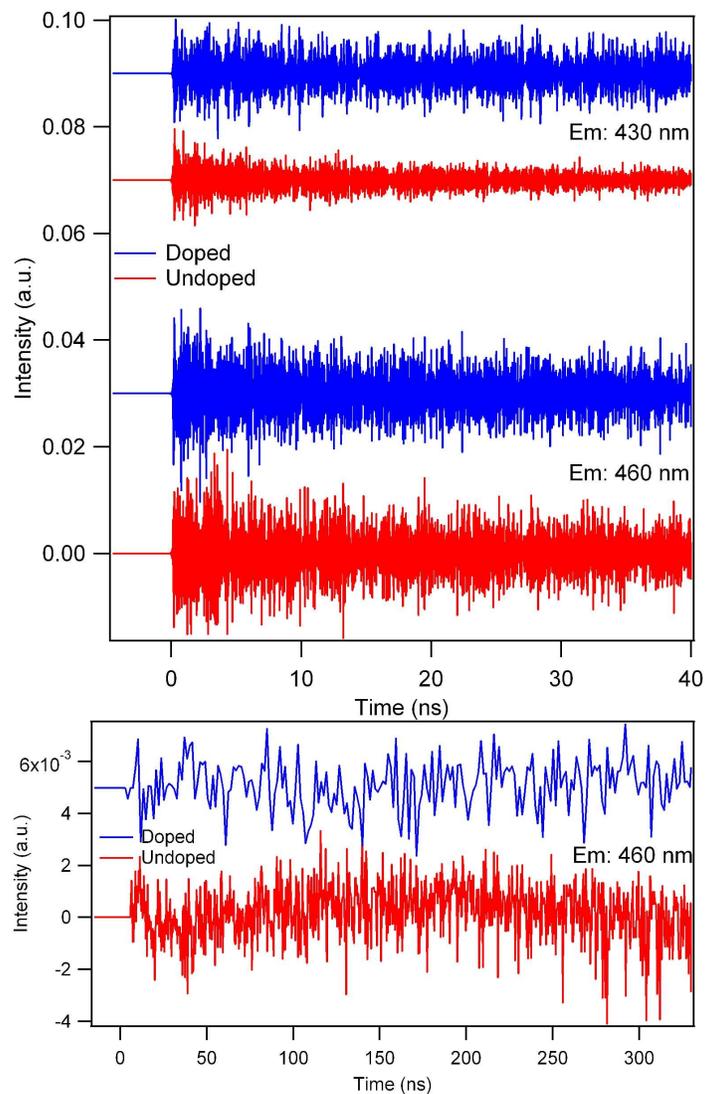
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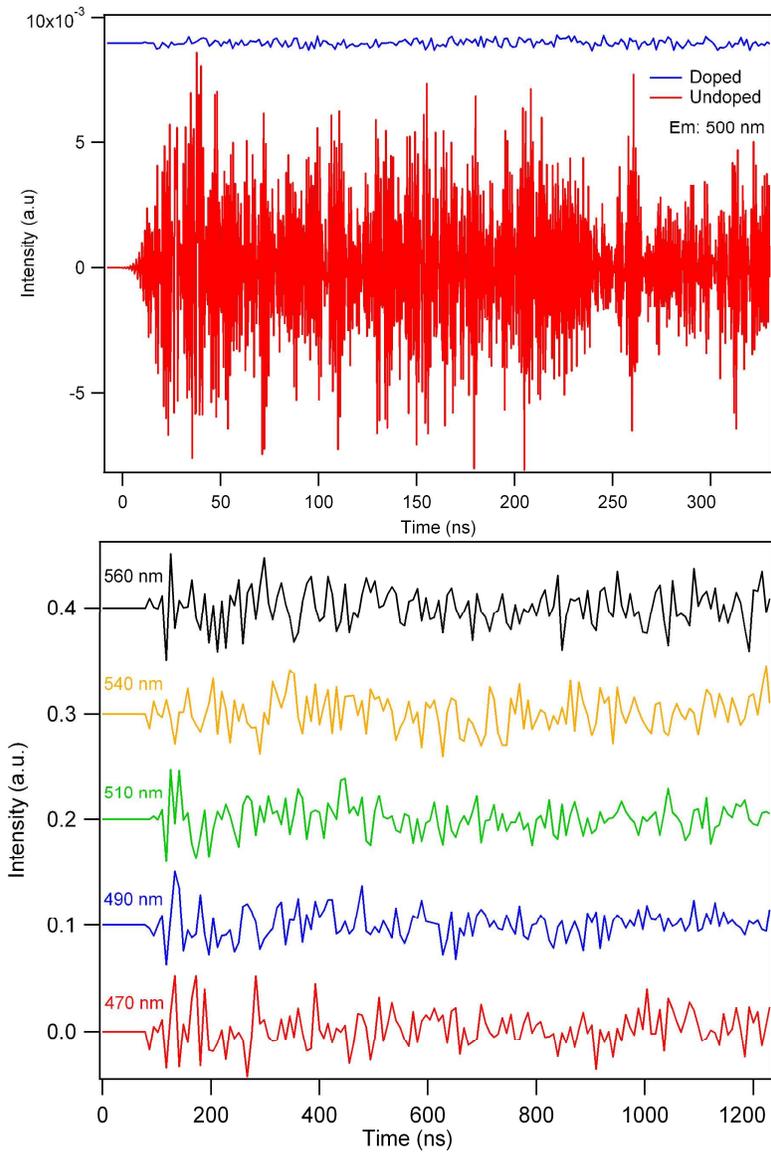
**Figure S1.** EPR spectra of ZnSe:Cu<sub>0.5%</sub> (blue) and reference copper acetate sample (red).



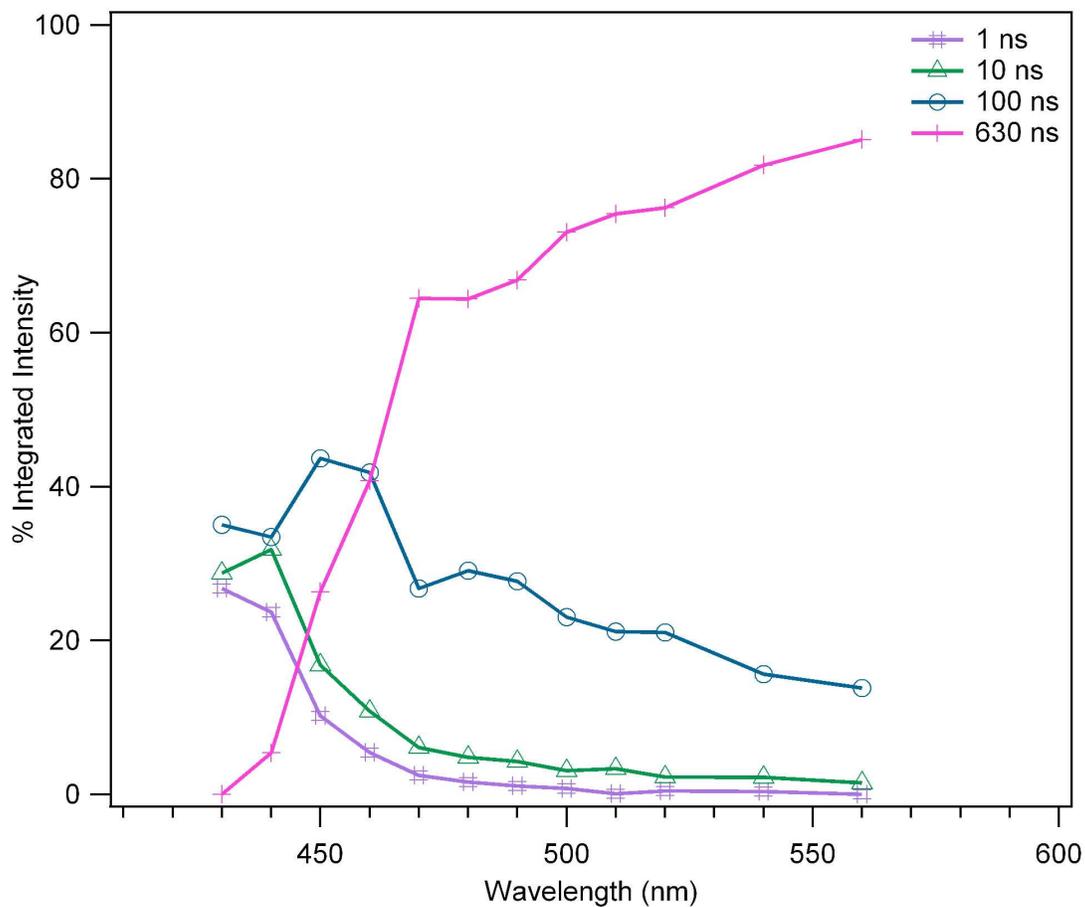
**Figure S2.** UV-Visible absorption spectra of an undoped (red) and a representative doped sample (green).



**Figure S3.** Residual plots corresponding to the fitting of decay traces collected at 430 and 460 nm (figure 9).



**Figure S4.** Residual plots corresponding to the fitting of decay traces shown in figure 10.



**Figure S5.** Percent contribution of different life time components to the time-integrated PL spectrum of the doped sample.