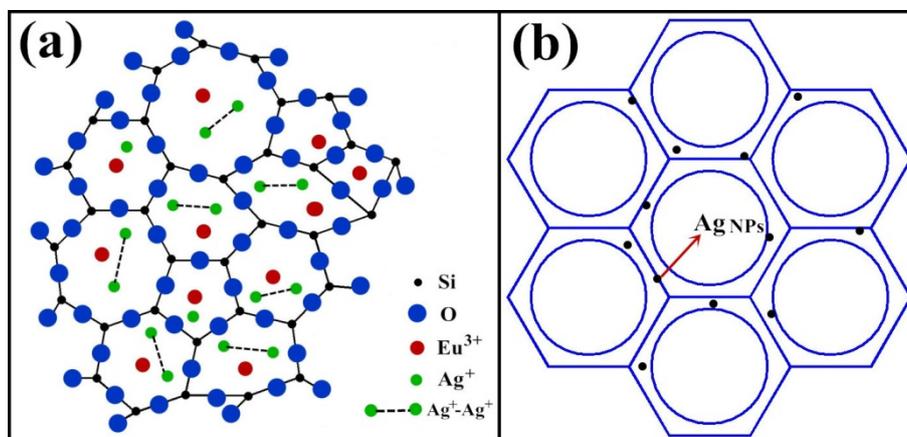


Supporting information



Scheme 1 (a)The amorphous network structure of SiO₂ ; (b)the nanosized wall of SiO₂ 3DOM materials.

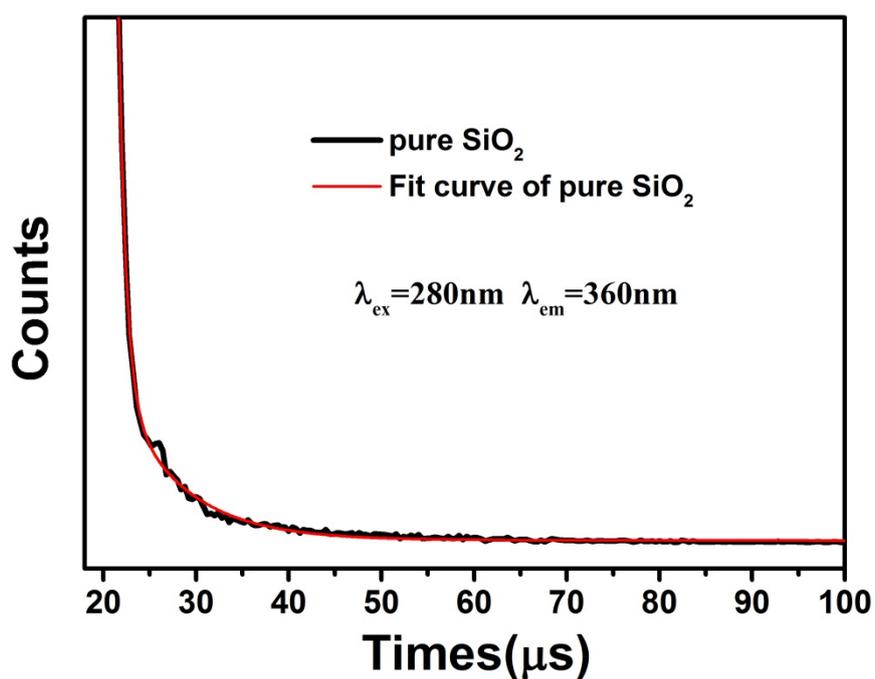


Fig. 1 The decay and fitting curves of 360 nm emissions of the pure SiO₂ 3DOM sample under the 280 nm excitation.

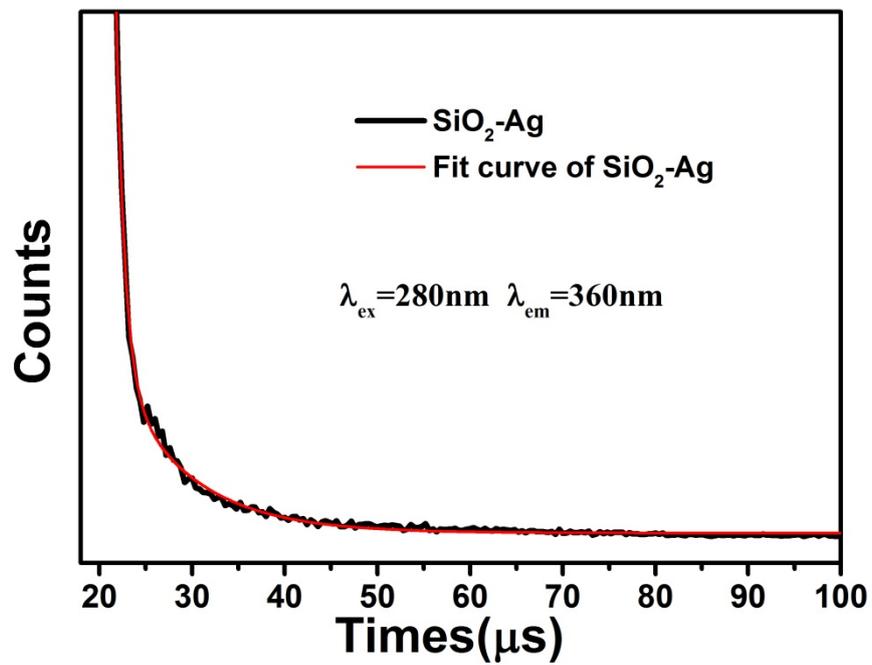


Fig. 2 The decay and fitting curves of 360 nm emissions of the SiO₂-Eu 3DOM sample under the 280 nm excitation.

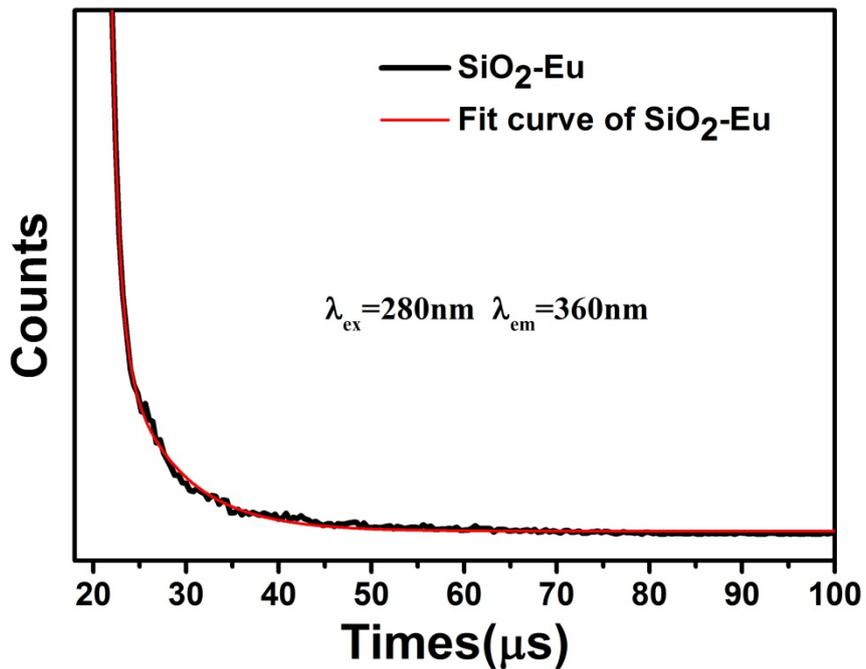


Fig. 3 The decay and fitting curves of 360 nm emissions of the SiO₂-Ag 3DOM sample under the 280 nm excitation.

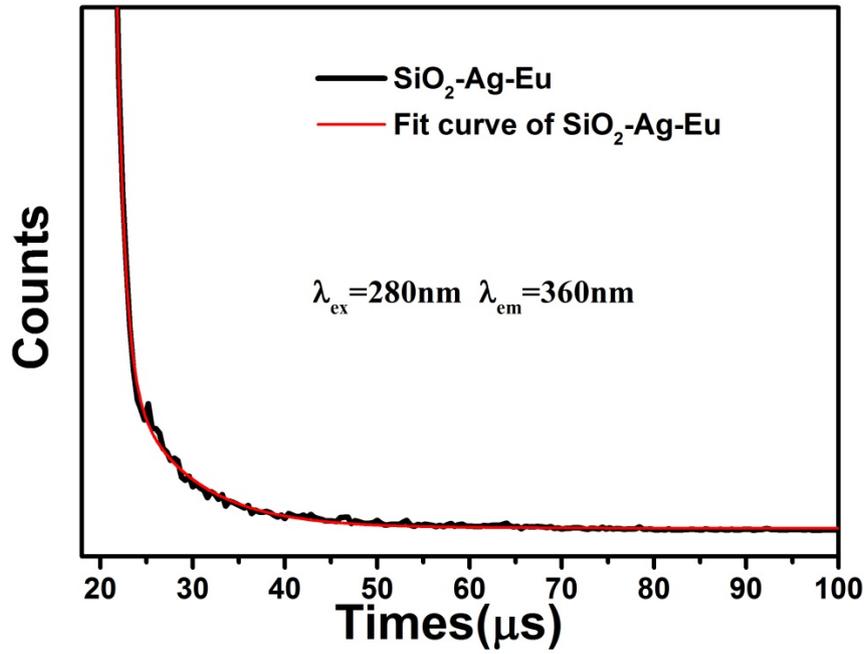


Fig. 4 The decay and fitting curves of 360 nm emissions in the SiO₂-Ag-Eu 3DOM sample under the 280 nm excitation.

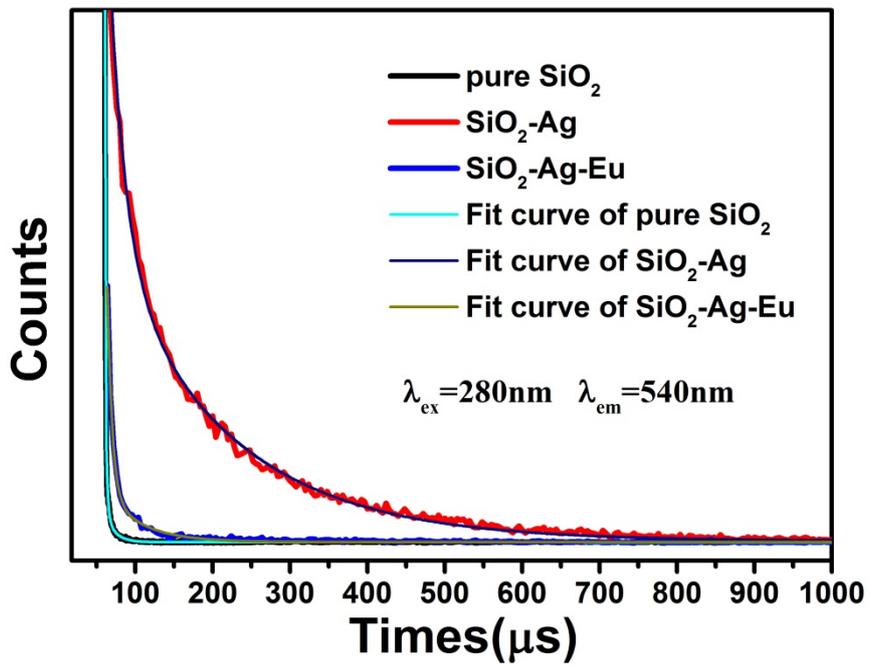


Fig.5 The decay and fitting curves of 540 nm emissions in the pure SiO₂, SiO₂-Ag and SiO₂-Ag-Eu 3DOM samples under the 280 nm excitation.