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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.