

Supporting Information

Synthesis of Au@MOF Core-Shell Hybrids for Enhanced Photodynamic/Photothermal Therapy

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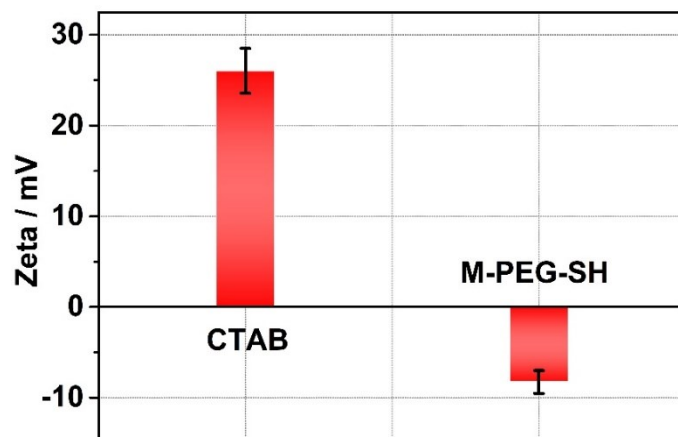


Figure S1. Zeta potential of AuNRs solutions with CTAB and M-PEG-SH surface ligands respectively.

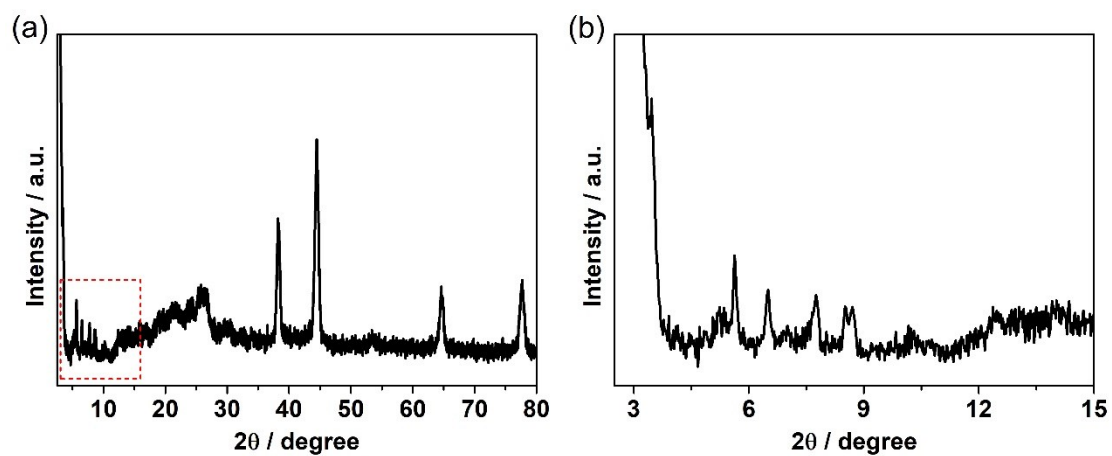


Figure S2. (a) Normal and (b) enlarged XRD patterns of the Au@MOF core-shell hybrids.

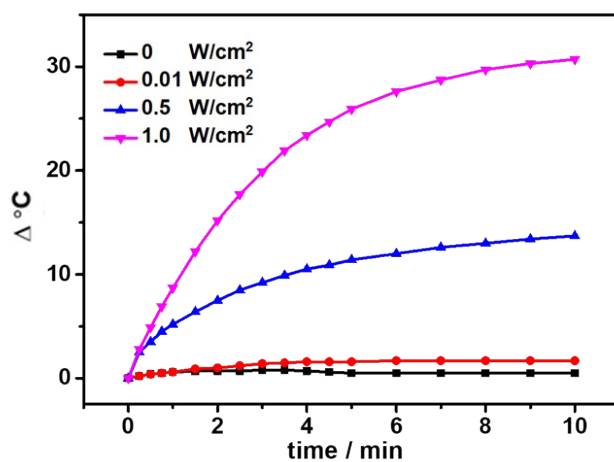


Figure S3. Temperature elevation curves of Au@MOF-2 (0.5 nM) with the different power (0, 0.01, 0.5, and 1.0 W/cm²) of 660 nm laser irradiation.

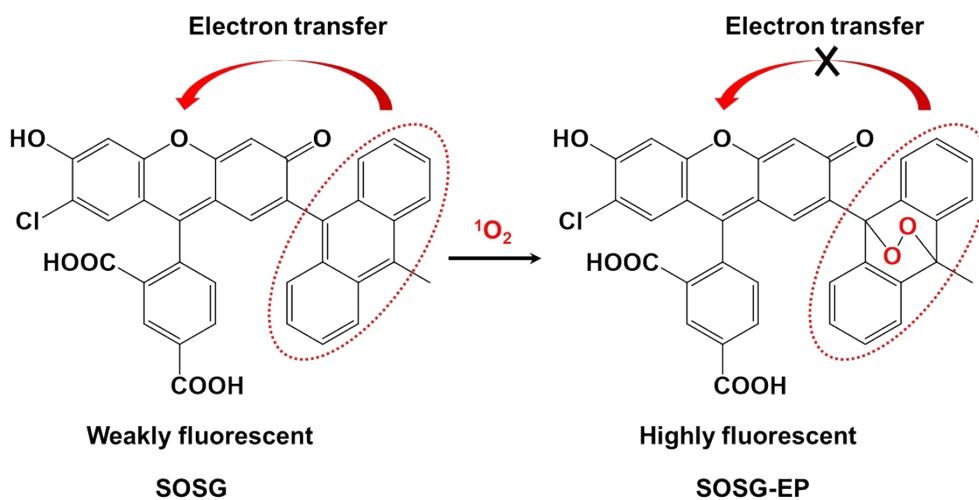


Figure S4. SOSG can react with ¹O₂ to produce the endoperoxide of SOSG-EP, thus enhancing fluorescence.

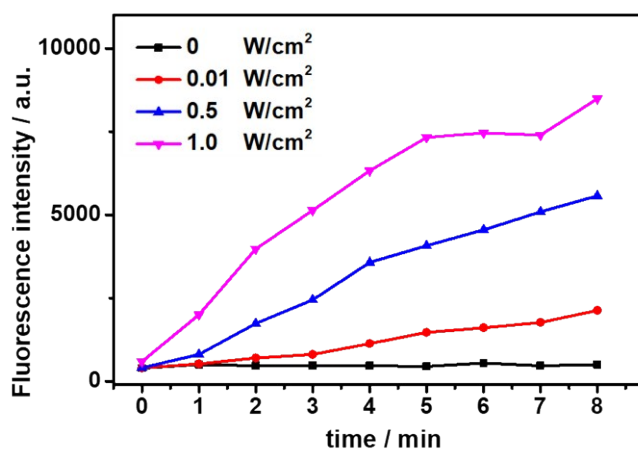


Figure S5. Fluorescence intensity curves of SOSG-EP treated with Au@MOF-2 nanoparticles at the different power (0, 0.01, 0.5, and 1.0 W/cm²) of 660 nm laser irradiation.

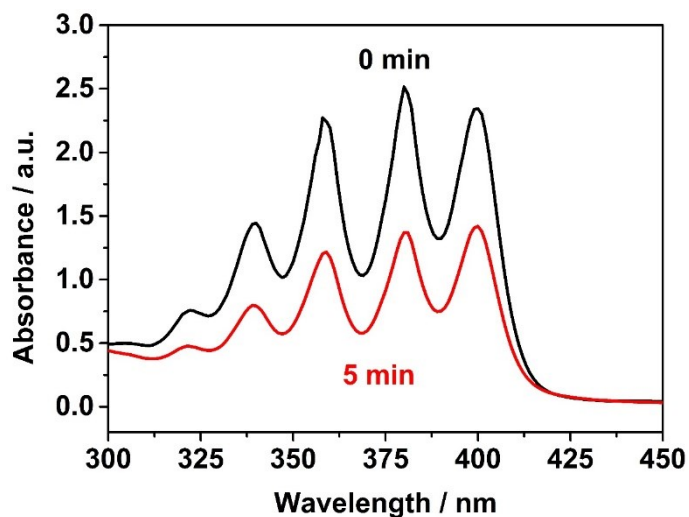


Figure S6. UV-vis absorption spectra of 9,10-anthracene diylbis-(methylene) dimalonic acid (ABMD, 1.0 mmol/L) treated with Au@MOF-2 (0.5 nmol/L) nanoparticles. Laser 660 nm, 0.5 W/cm², 5min.

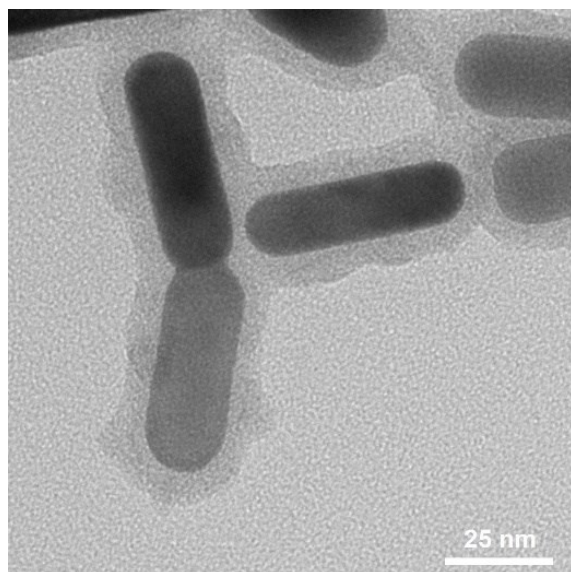


Figure S7. TEM image of Au@MOF-2 after 0.5 W/cm² laser power irradiation.