

Supporting Information

Metal-Organic Framework Combined with CaO₂ Nanoparticles for Enhanced and Targeted Photodynamic Therapy

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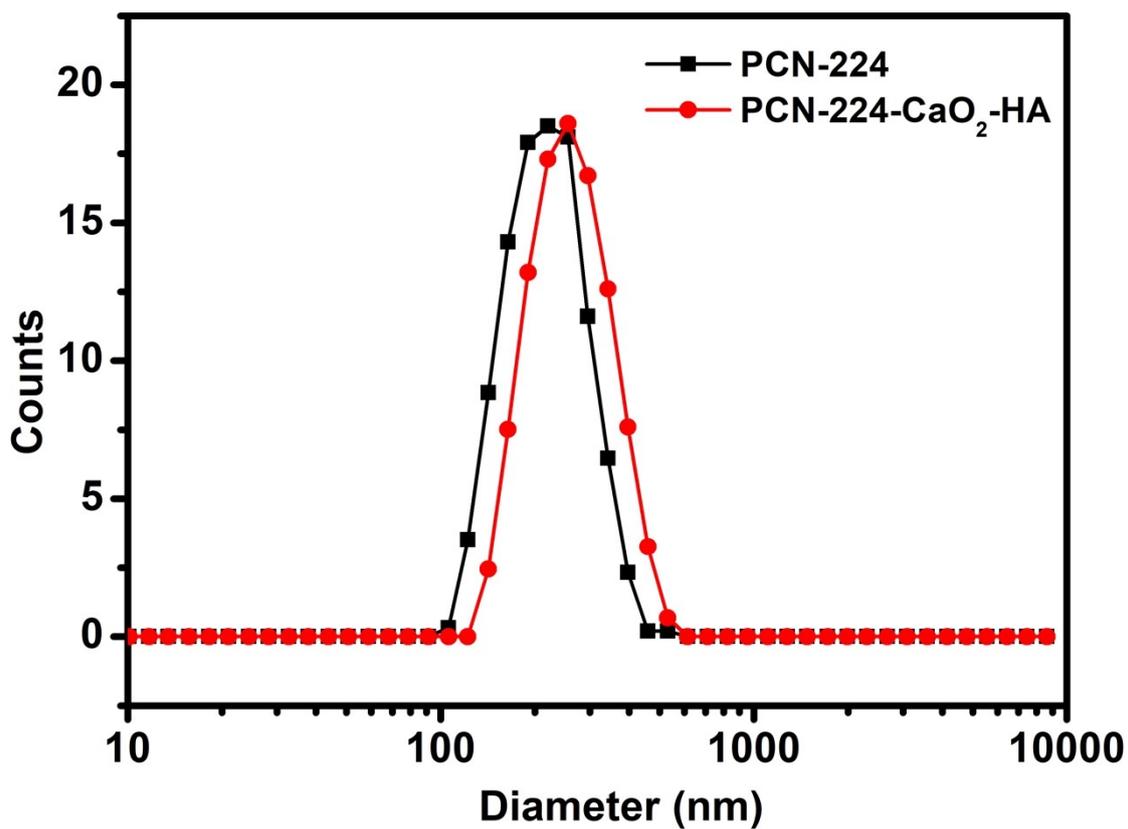


Fig. S1 Particle size distribution of PCN-224 and PCN-224-CaO₂-HA in water.

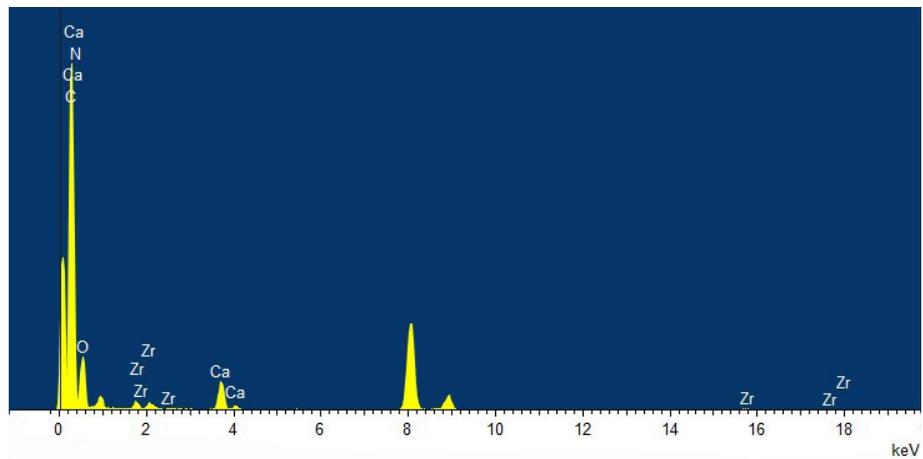


Fig. S2 EDS of PCN-224-CaO₂-HA.

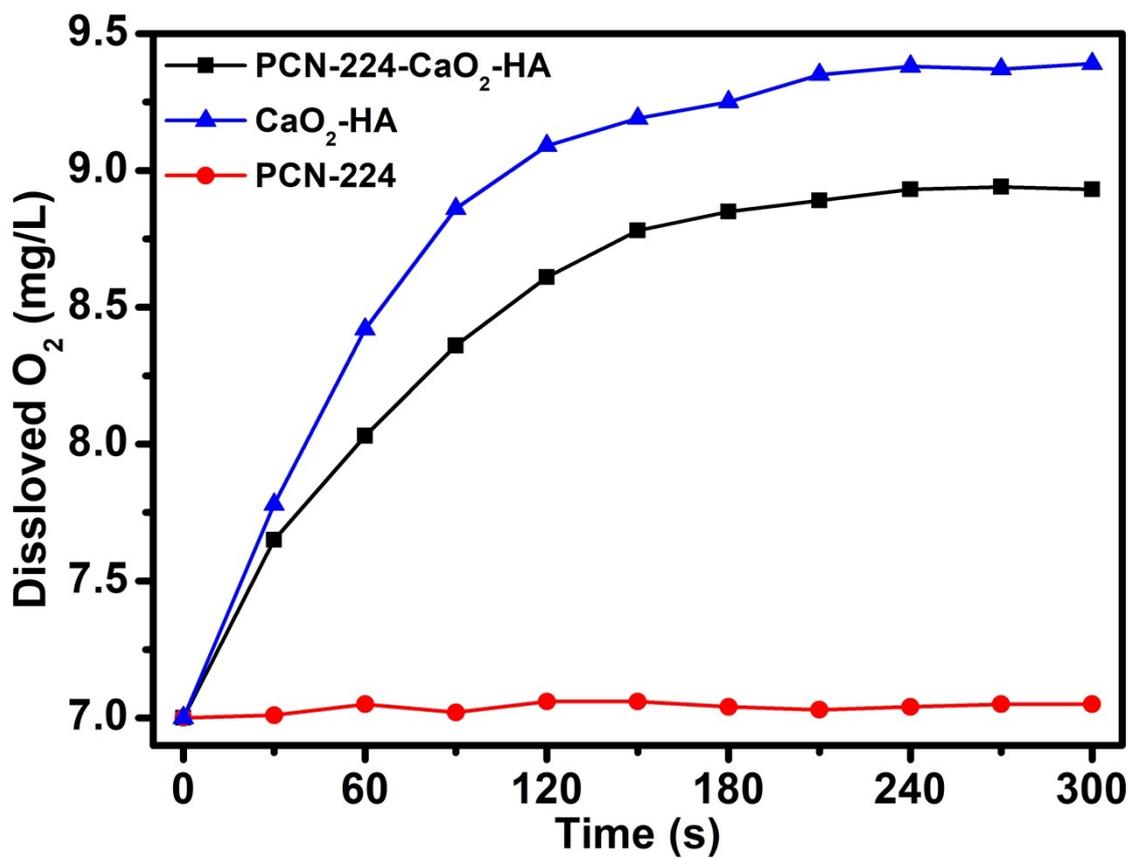


Fig. S3 The dissolved O₂ content of different materials dispersed in water.

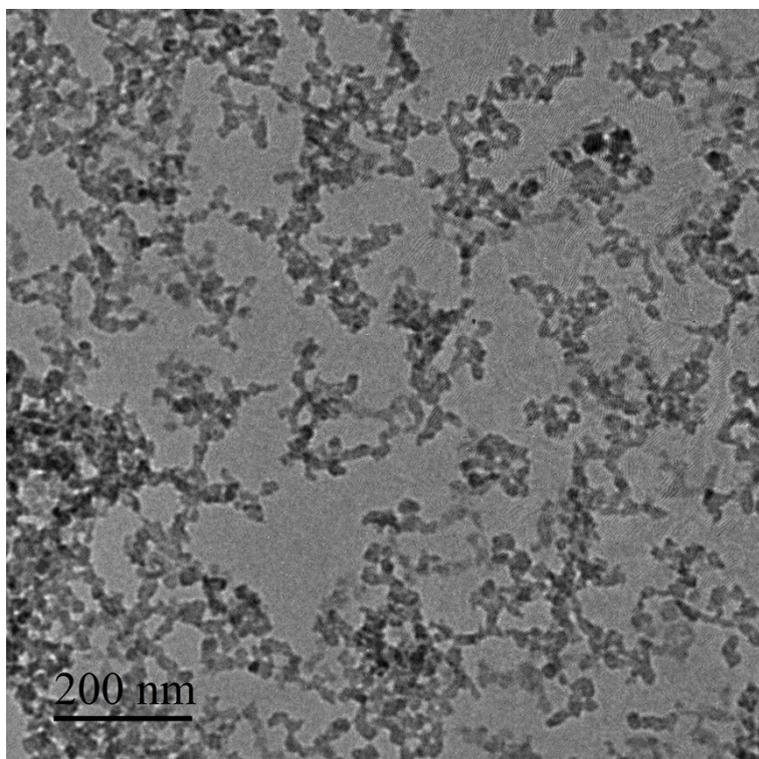


Fig. S4 TEM images of CaO₂-HA.

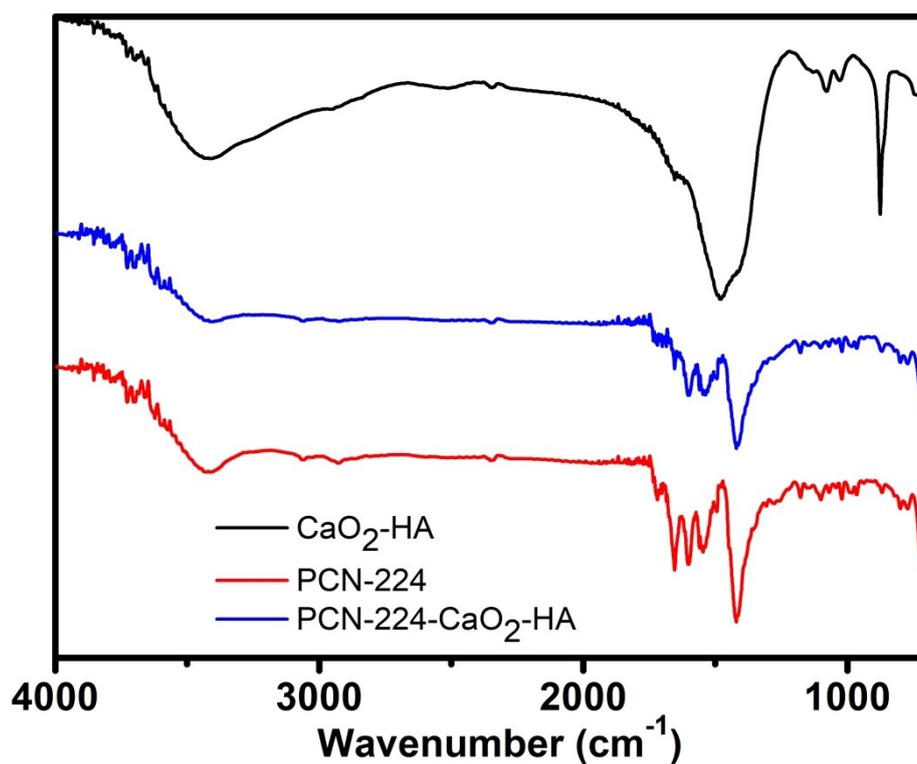


Fig. S5 FT-IR spectra of CaO₂-HA, PCN-224 and PCN-224-CaO₂-HA.

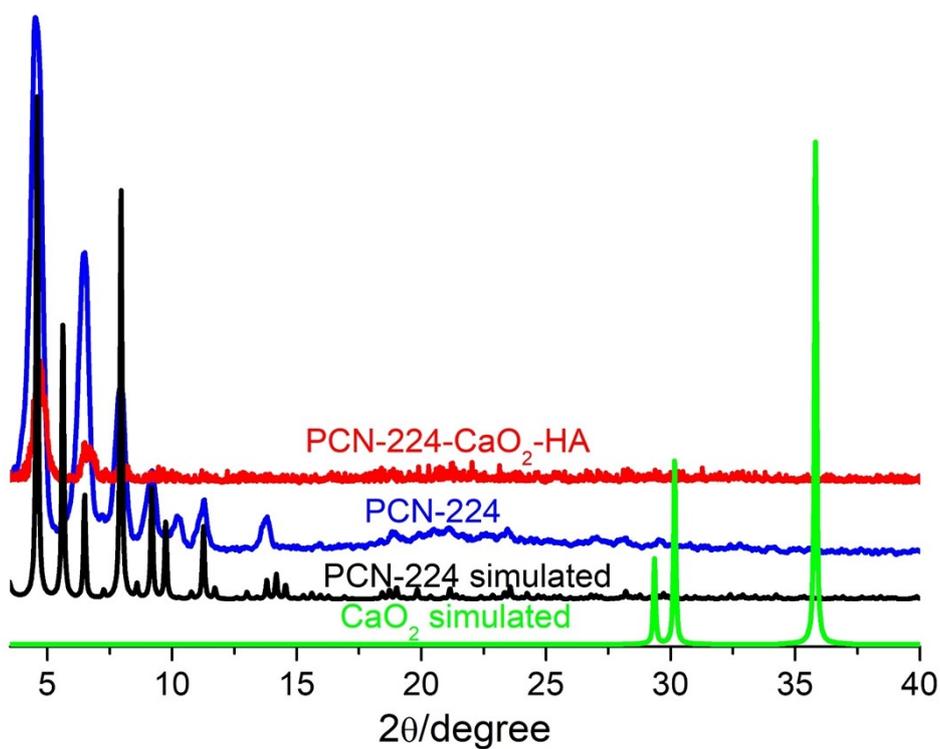


Fig. S6 PXRD patterns of PCN-224, PCN-224-CaO₂-HA and the simulated from the crystal data of PCN-224 and CaO₂.

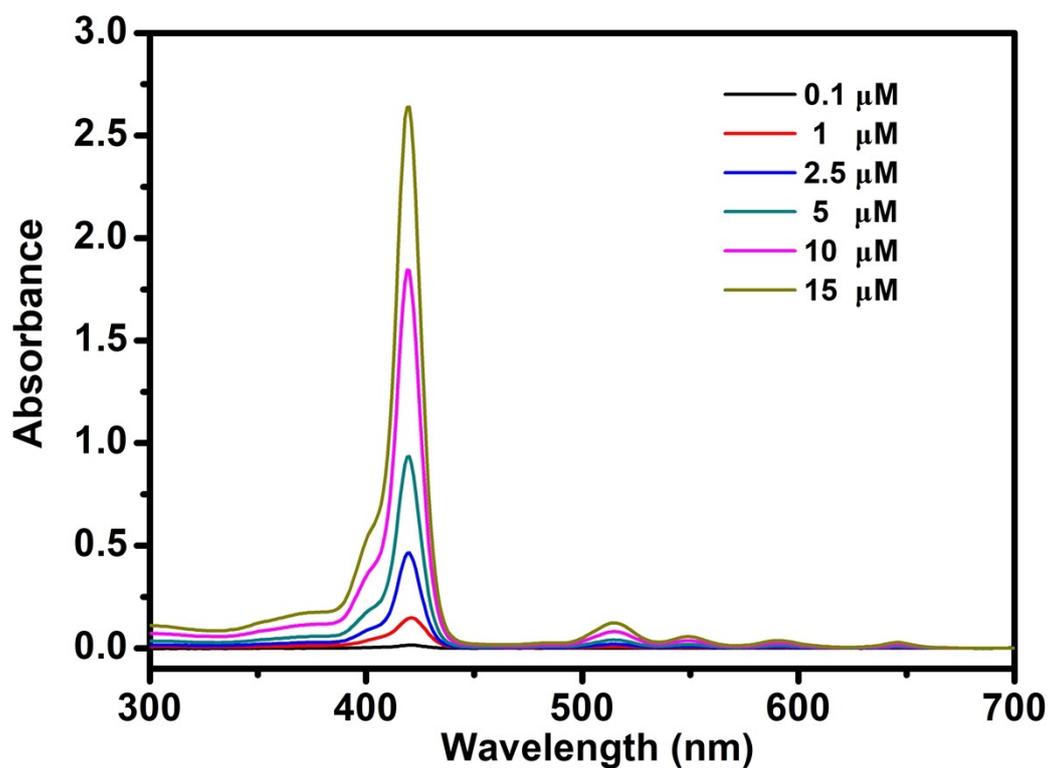


Fig. S7 The UV-vis absorption of H₂TCPP with different concentrations.

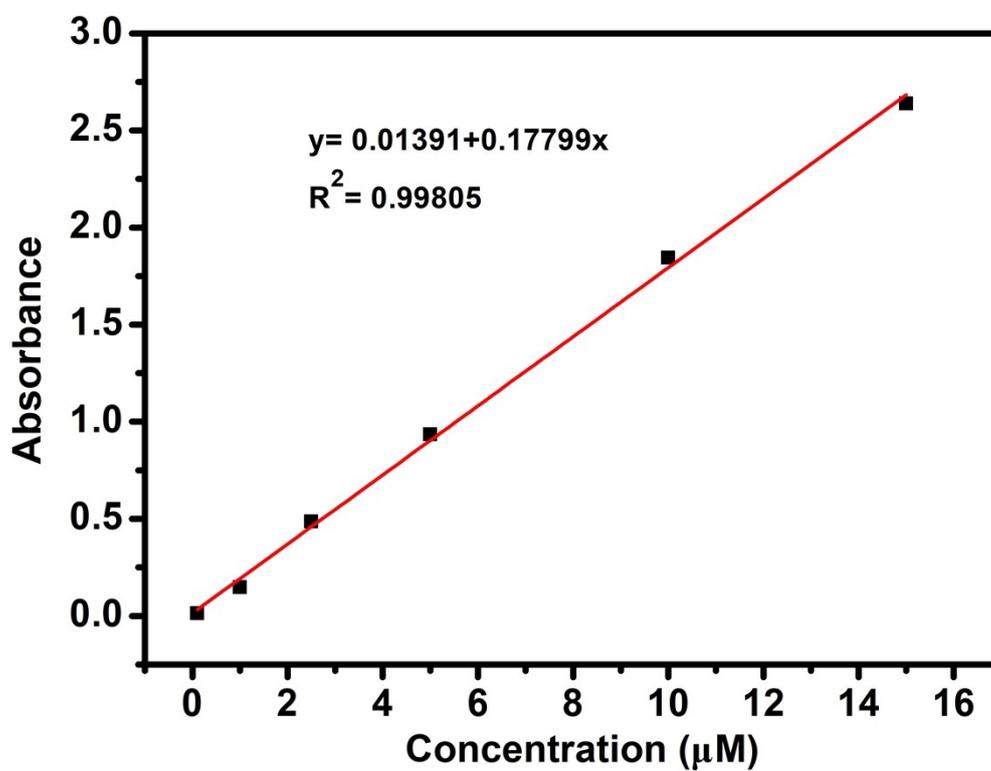


Fig. S8 Relationship between UV-vis absorption intensity and the concentration of H₂TCPP.

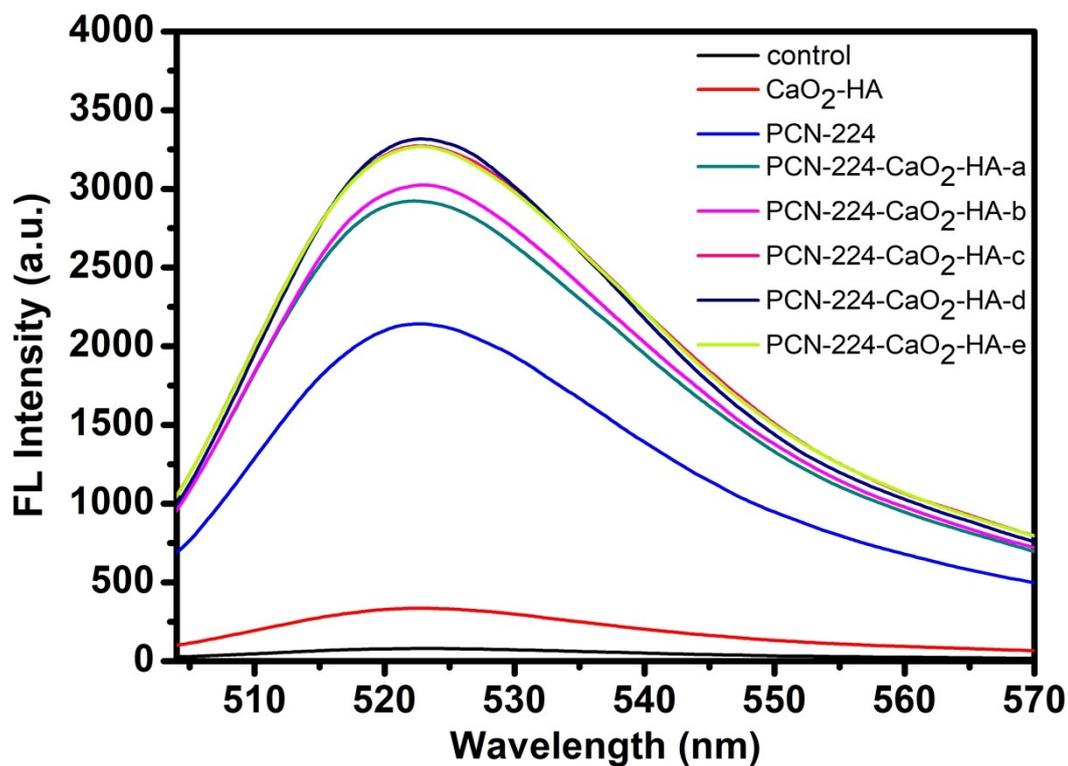


Fig. S9 DCFH fluorescence intensity of CaO₂-HA, PCN-224 and PCN-224-CaO₂-HA after LED irradiation for 6 min (PCN-224-CaO₂-HA-abcde represents PCN-224 combined with different amounts of CaO₂).

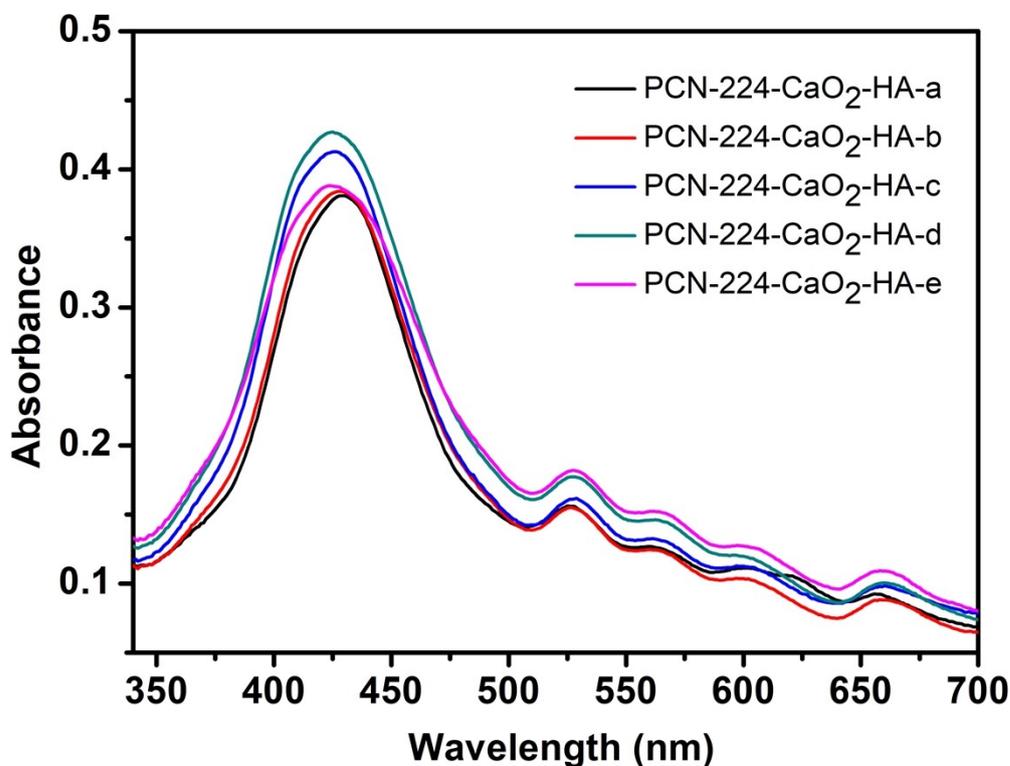


Fig. S10 UV-vis absorption of PCN-224 combined with different amounts of CaO₂.

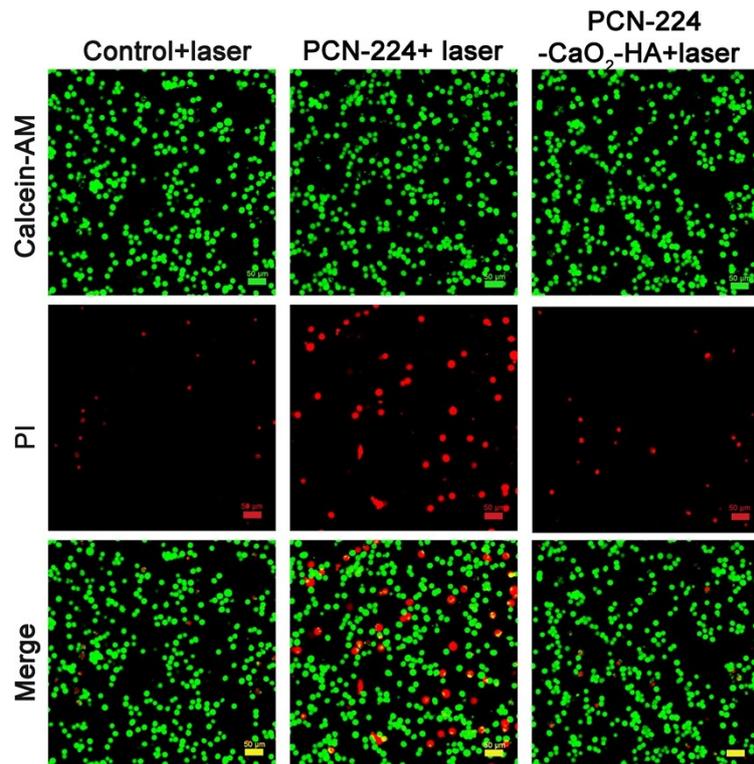


Fig. S11 CLSM images of Calcein-AM/PI stained LO2 cells.

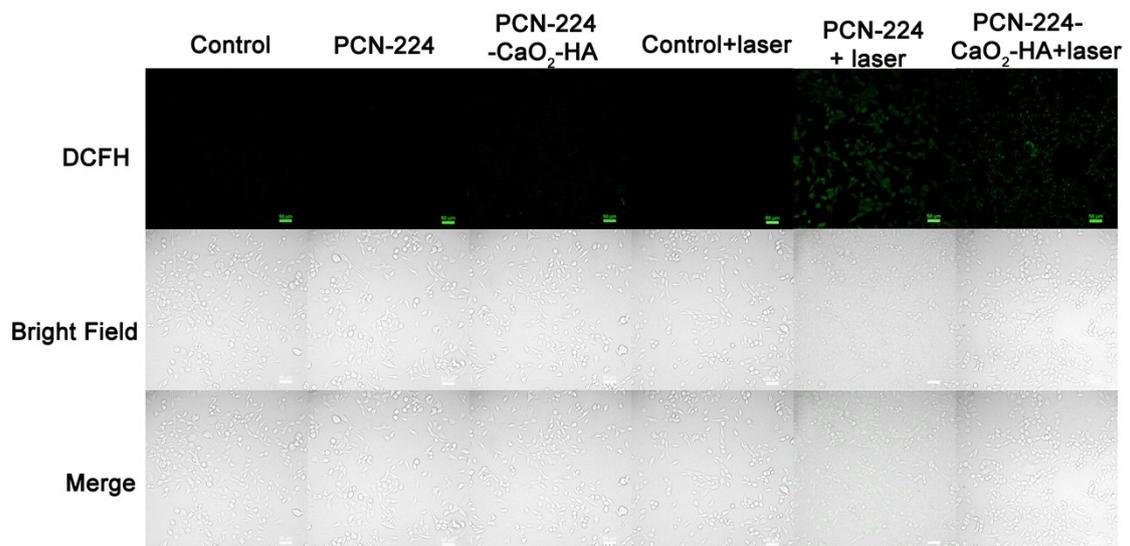


Fig. S12. CLSM images of ROS generation in LO2 cells.

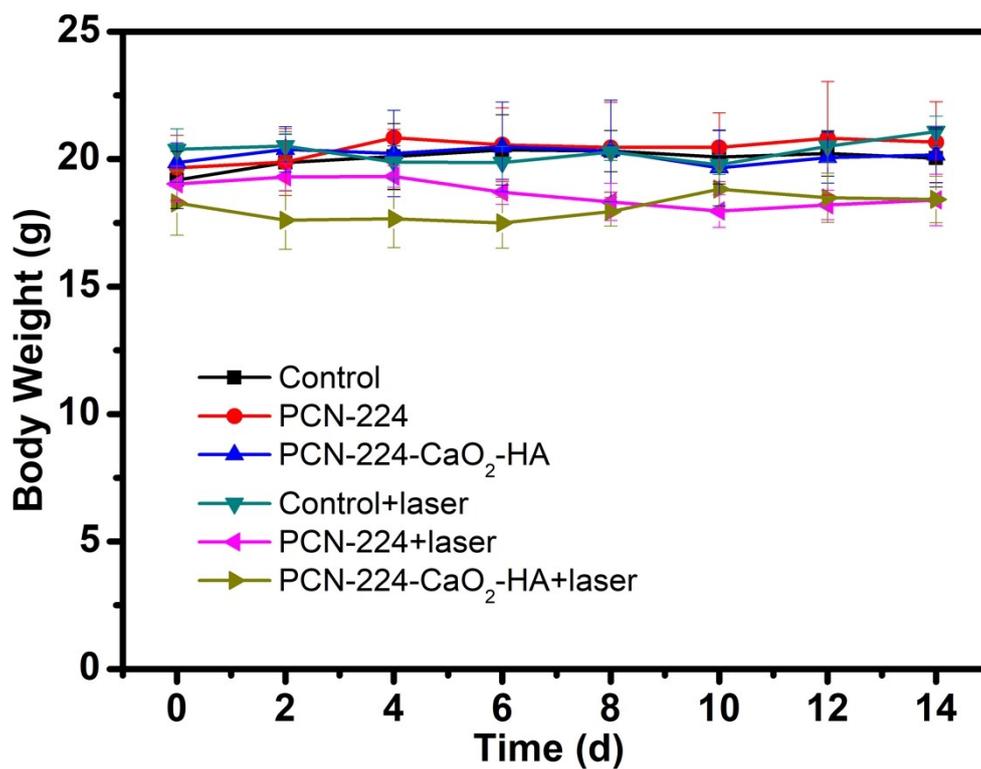


Fig. S13 Body weight after various treatments.

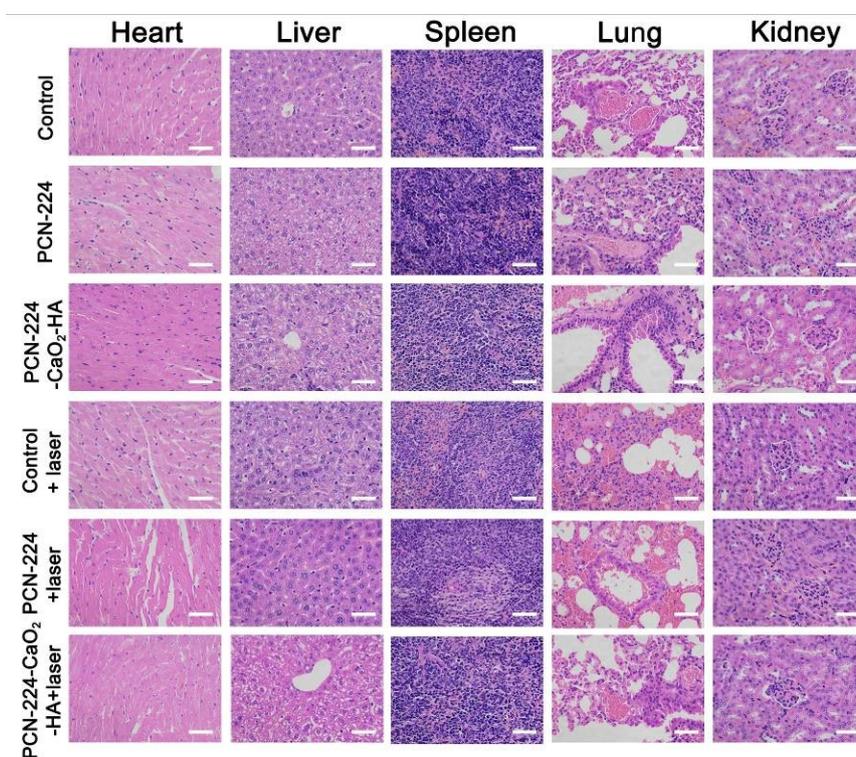


Fig. S14 H&E stained images obtained from major organs after 14 days by intravenous injection. Scale bar, 50 μ m.