

Supplementary Information

CaO₂ Nanoparticle-Loaded Injectable Hydrogel with Sustained Oxygen Release and ROS-Scavenging Functions for Accelerating Frostbite Wound Healing at High Altitude

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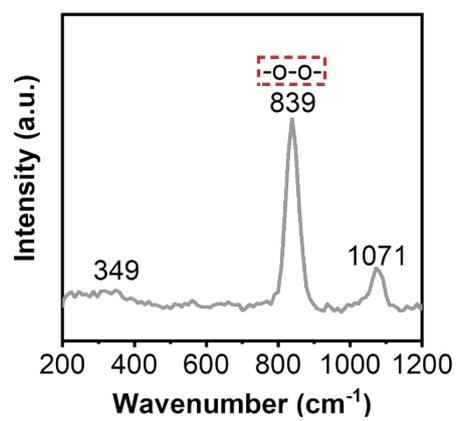


Fig. S1. Raman spectra of the CPO NPs.

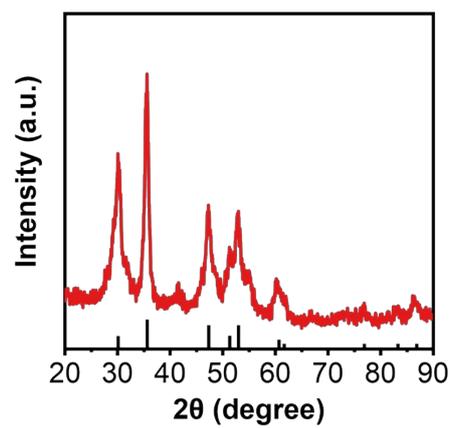


Fig. S2. X-ray diffraction pattern of the CPO NPs.

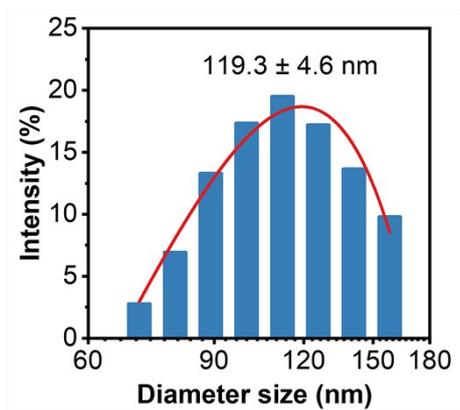


Fig. S3. Average hydrodynamic diameter of CPO NPs.

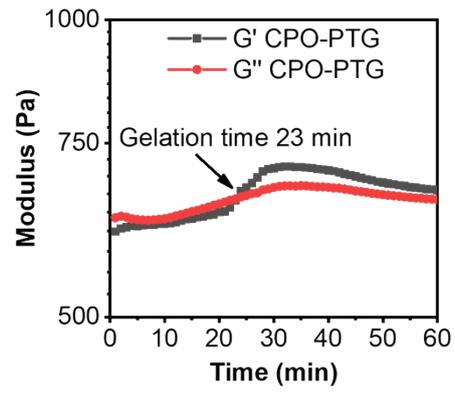


Fig. S4. Gelation time tests of CPO-PTG at body temperature ($\sim 37^{\circ}\text{C}$).

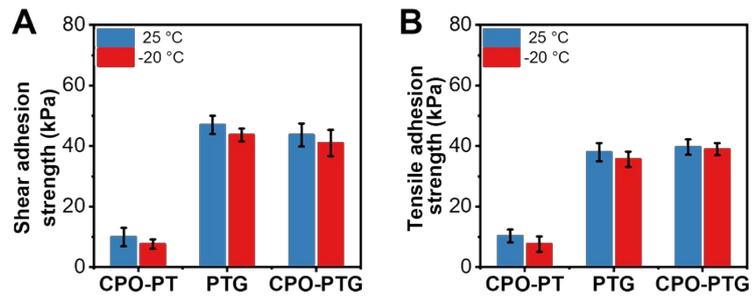


Fig. S5. (A) Shear adhesion strength and (B) tensile adhesion strength of CPO-PT, PTG and CPO-PTG hydrogels on freshly frostbitten rat skin.

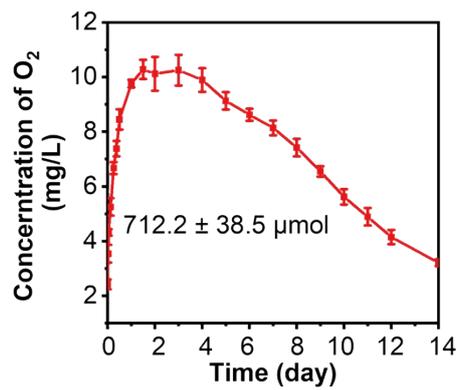


Fig. S6. Oxygen release and generation of CPO-PTG hydrogel in PBS solution for 14 days under 4°C.