Electronic Supplementary Material (ESI) for RSC Advances.

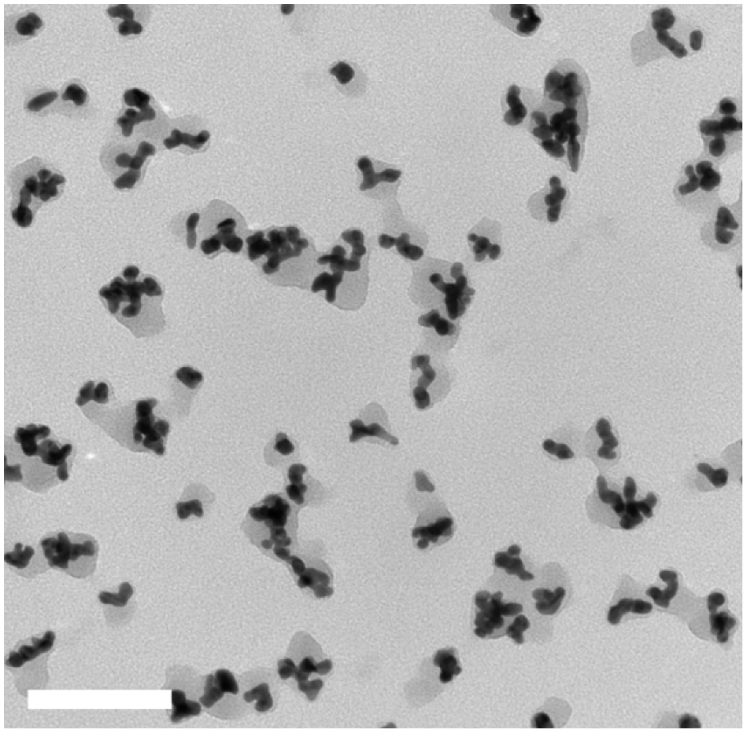

Figure S1. TEM image of AuP, scale bar: 100 nm.

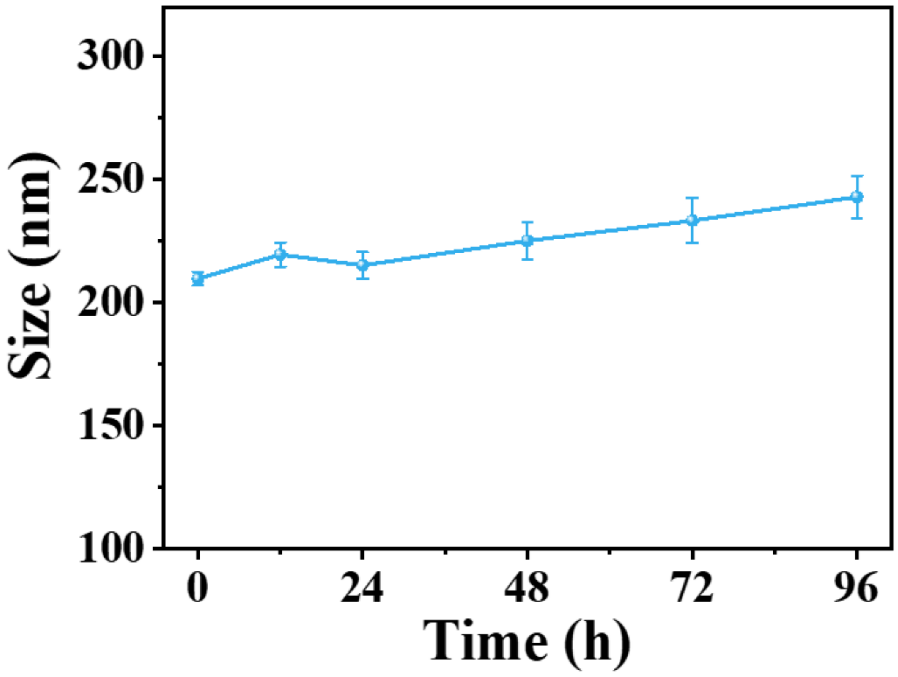

Figure S2. Hydrodynamic diameter variation of AuP@MnO_2 dispersed in phosphate buffer at different time points.

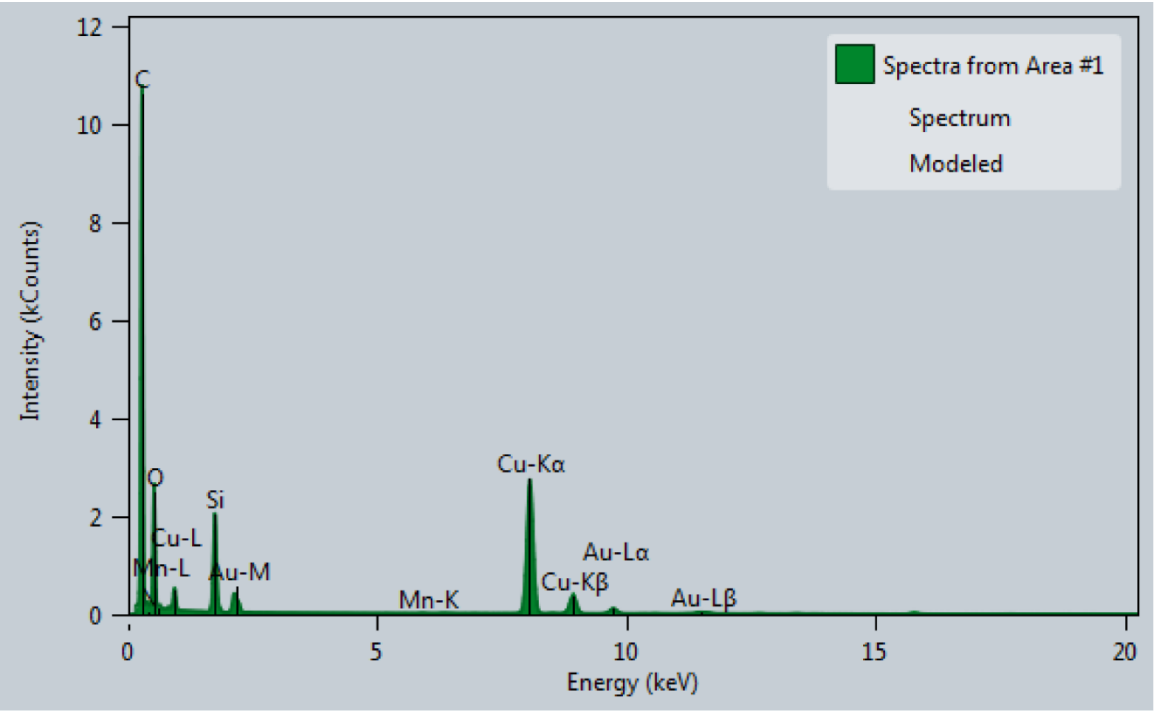

Figure S3. X-ray energy dispersive spectroscopy (EDS) of AuP@MnO_2.

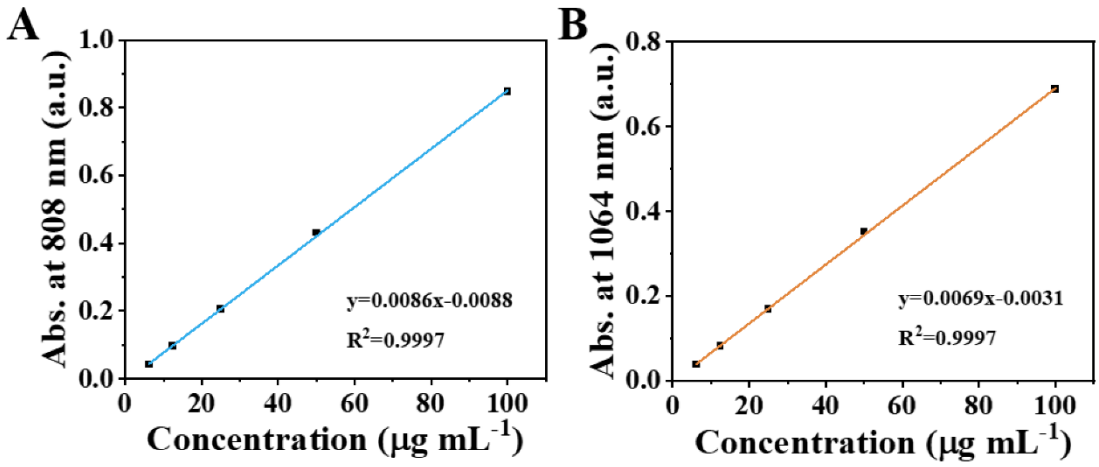

Figure S4. Linear relationship between concentration and absorbance of AuP@MnO_2 solutions at (A) 808 and (B) 1064 nm.

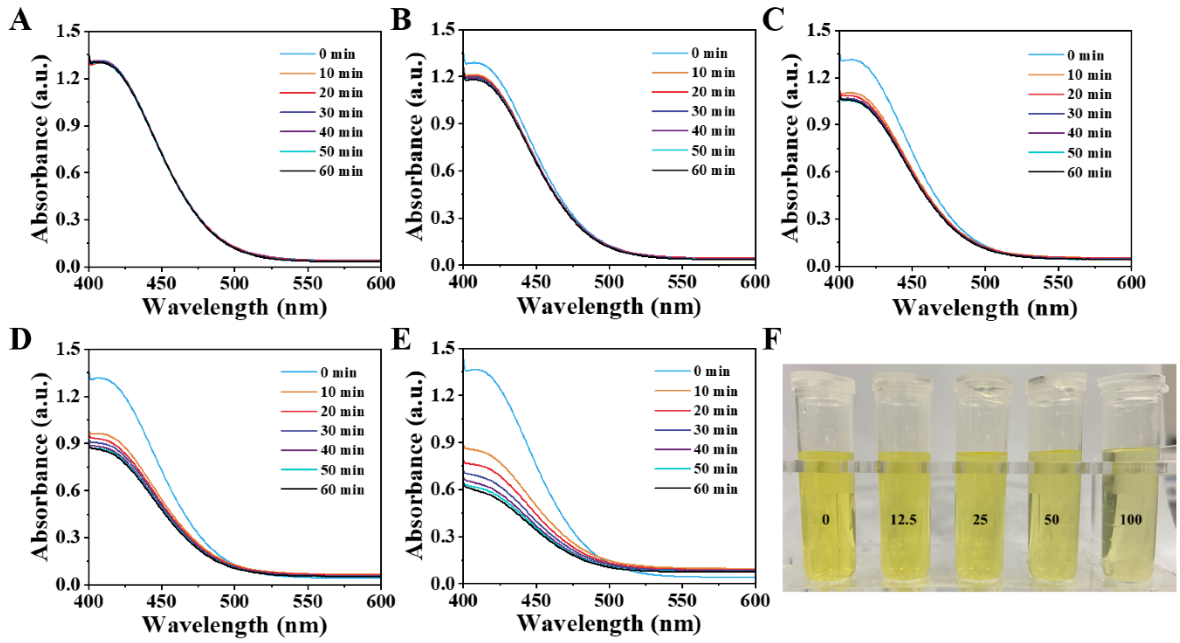

Figure S5. GSH depletion profile by AuP@MnO_2 with concentrations of (A) 0 μg mL^{-1}, (B) 12.5 μg mL^{-1}, (C) 25 μg mL^{-1}, (D) 50 μg mL^{-1}, and (E) 100 μg mL^{-1}. (F) The photograph of the solutions after 60 min of co-incubation.

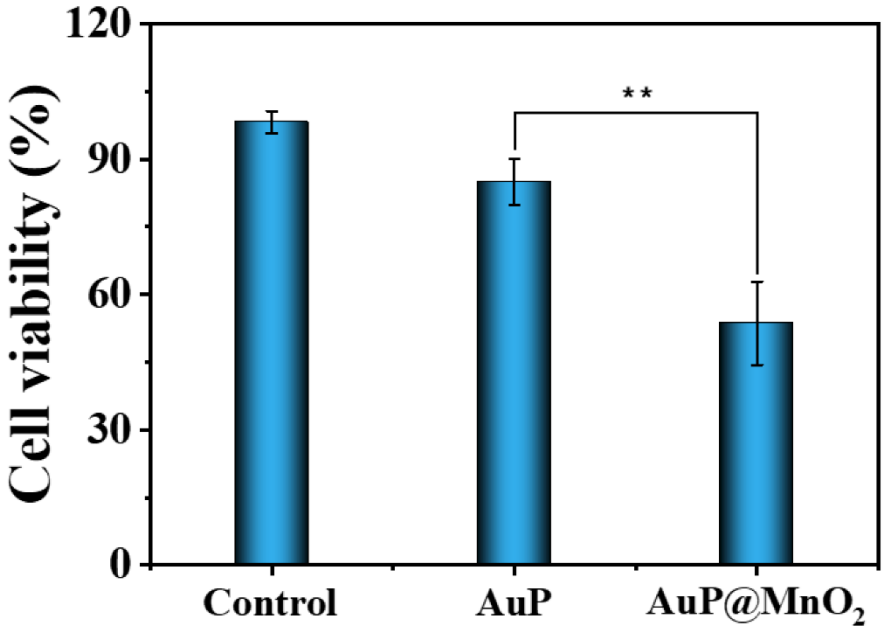

Figure S6. Relative cell viabilities of 4T1 cells cultured with pure medium, AuP, or AuP@MnO_2 and irradiated by a 1064 nm laser (1.0 W cm^{-2}, 5 min).