Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Supporting Information

Coordination Polymer Hybridized Au Nanocages: a Nanoplatform for Dual-modality Imaging Guided Photothermal therapy *in Vivo*

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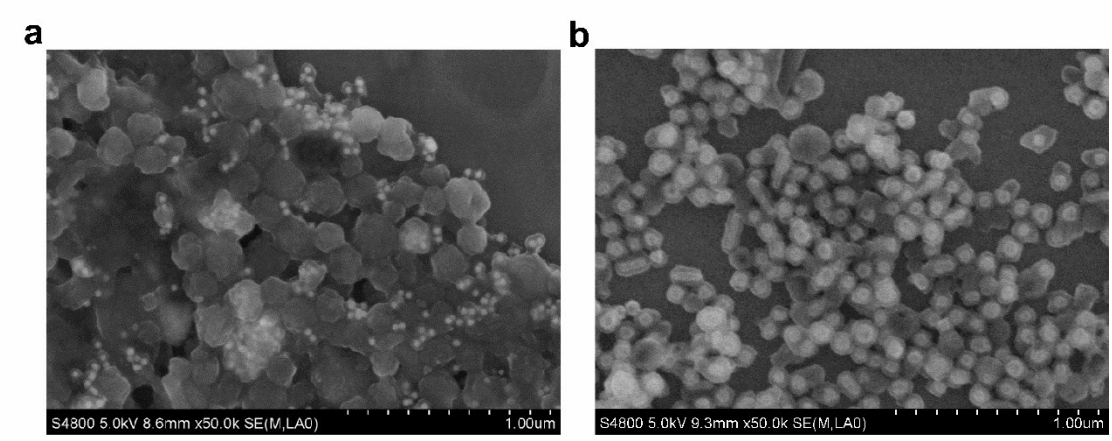

Fig. S1 TEM images of the final products after dialysis without (a) and with (b) the modification of HS-PEG_{5000}-NH_2.

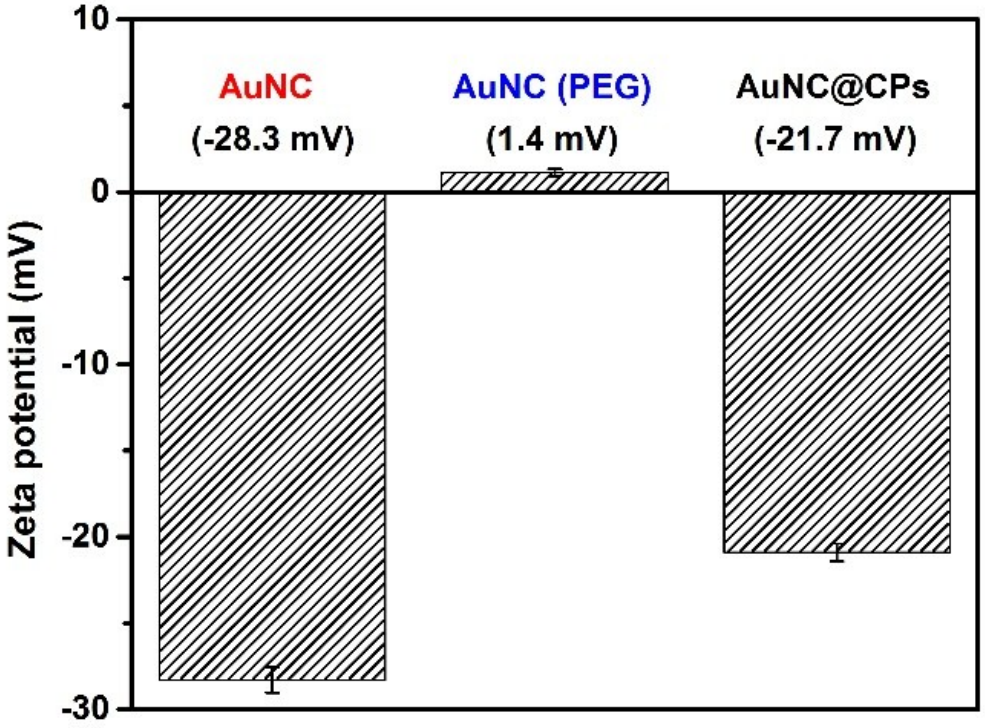

Fig. S2 Zeta potentials of AuNC, AuNC (PEG), and AuNC@CPs, respectively.

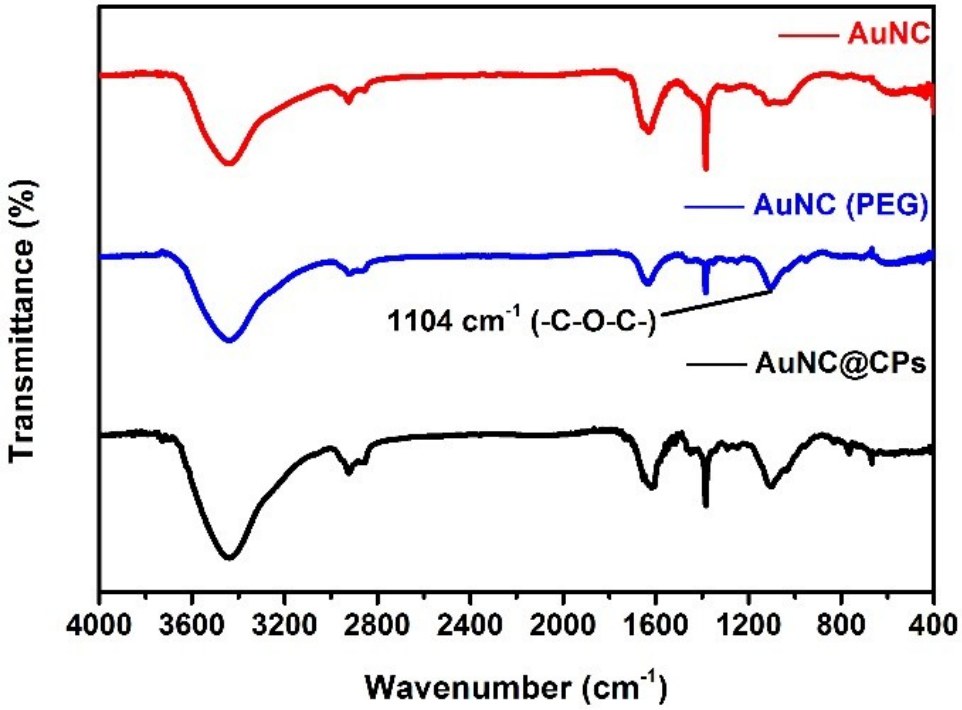

Fig. S3 FT-IR spectra of AuNC, AuNC (PEG), and AuNC@CPs.

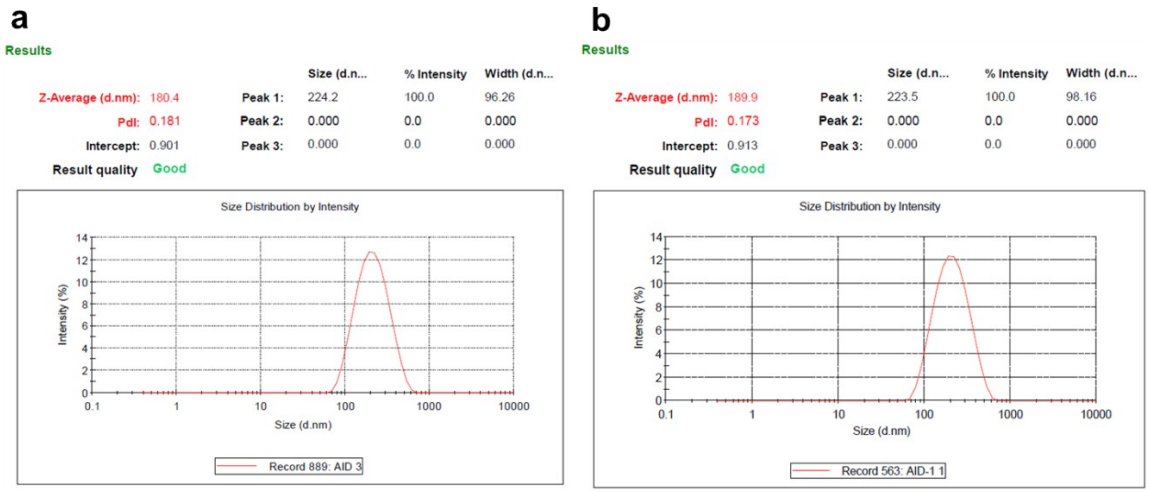

Fig. S4 The hydrodynamic diameters of AuNC@CPs as-prepared (a), and after ~ 3 months (b).

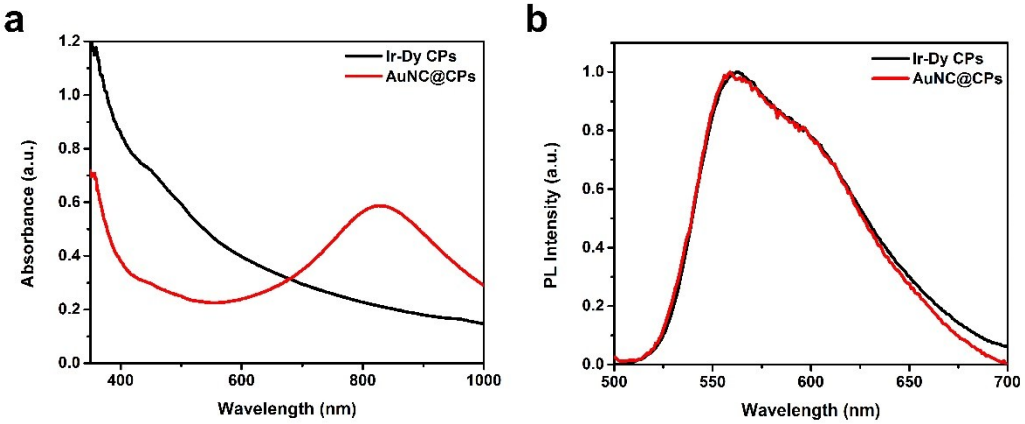

Fig. S5 (a) UV-Vis-NIR absorbance (a) and photoluminescence (b) spectra of Ir-Dy CPPs and AuNC@CPs, respectively.

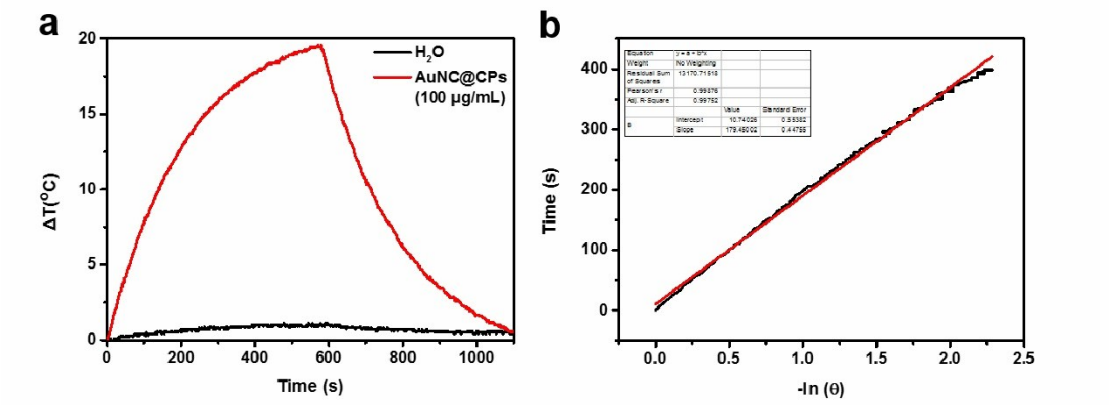

Fig. S6 (a) Temperature variation of AuNC@CPs aqueous solution (100 μg/mL) with 808 nm laser on/off (1 W/cm^2). (b) Plot of cooling time versus negative natural logarithm of the temperature driving force obtained from the cooling stage as shown in (a).

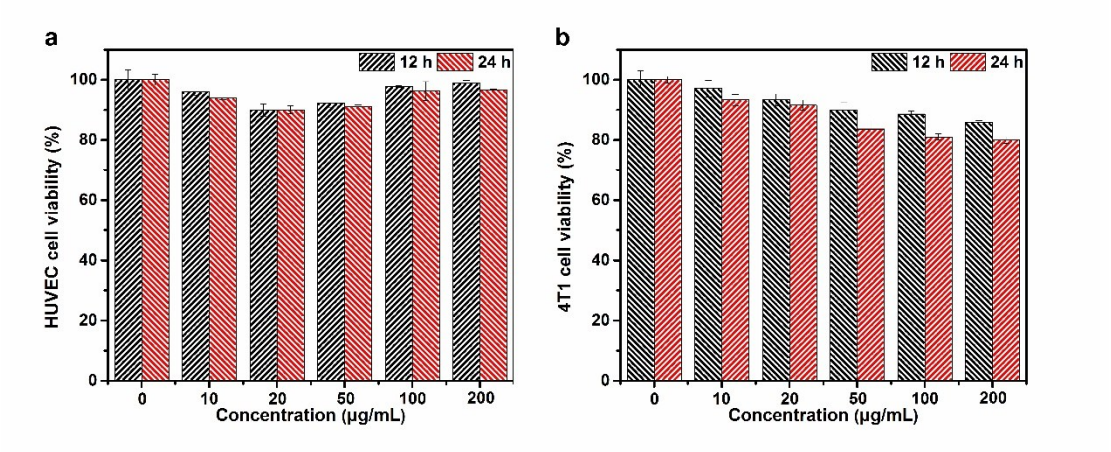

Fig. S7 Cell viability of HUVEC (a) and 4T1 cells (b) after the incubation with different concentrations of AuNC@CPs for 12 h and 24 h, respectively.

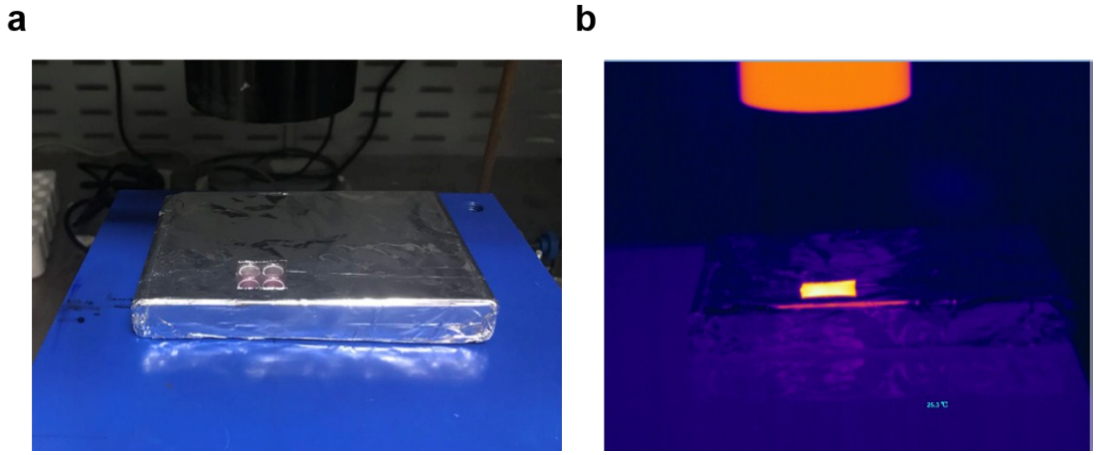

Fig. S8 Normal (a) and thermal (b) images of *in vitro* photothermal therapy.

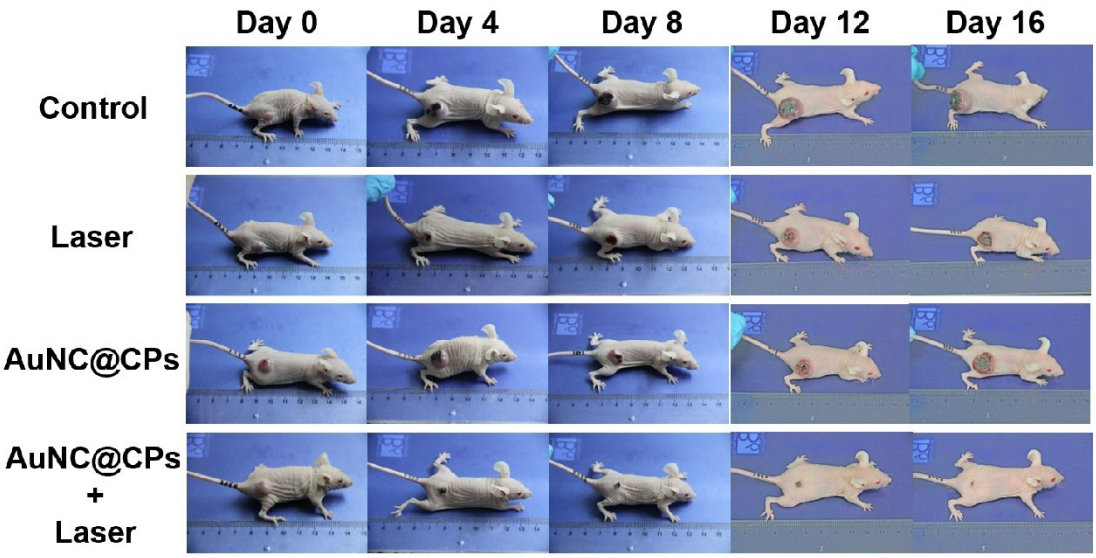

Fig. S9 Photographs of mice for all groups during the therapy process.