Supporting Information

Injectable hydrogel-mediated combination of hyperthermia ablation and photo-enhanced chemotherapy in the NIR-II window for tumor eradication

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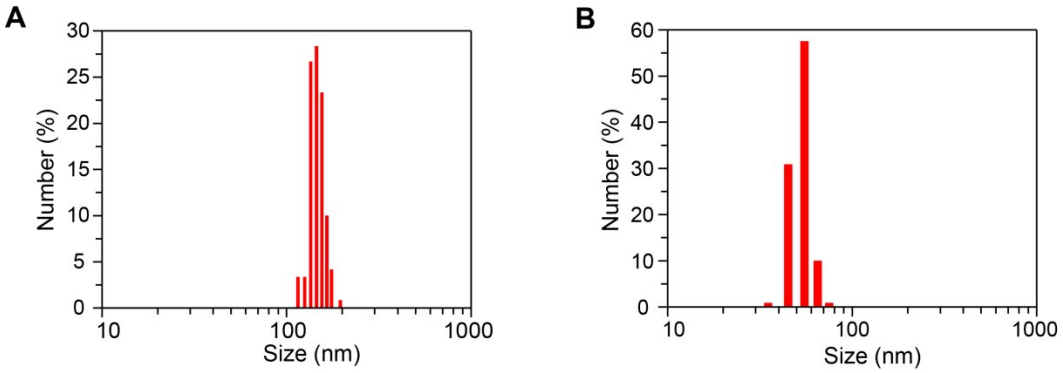

Fig. S1. The length (A) and diameter (B) of the synthesized Au/Ag NRs.

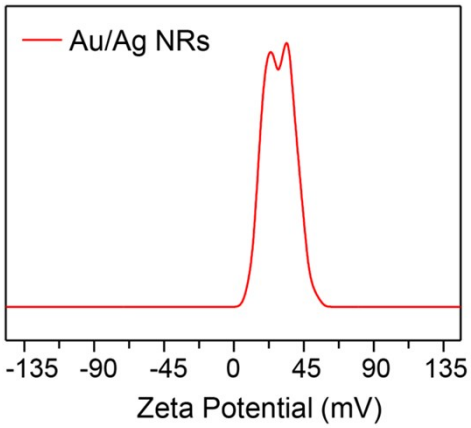

Fig. S2. The zeta-potential of the synthesized Au/Ag NRs.

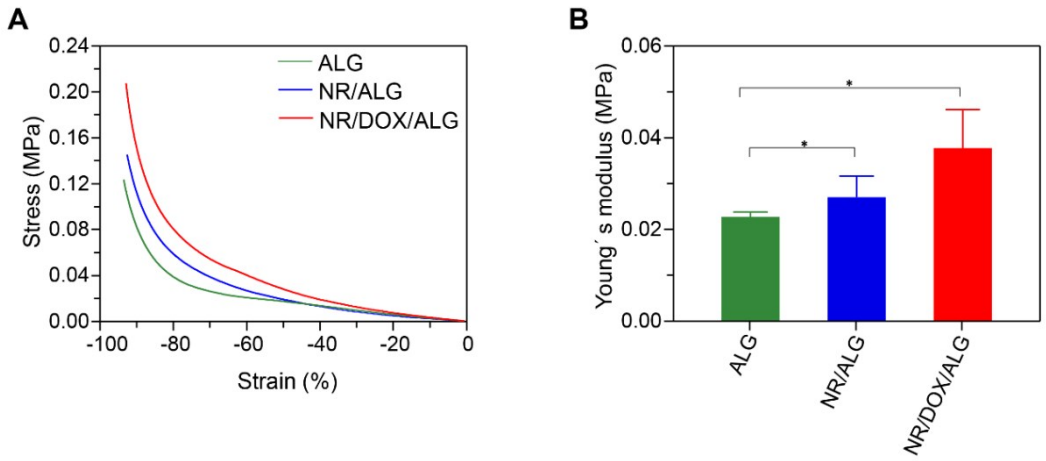

Fig. S3. Young´s modulus of ALG gels formed with different formation. Data are presented as mean ± SD (n = 3, mean ± SD, **p* < 0.05).

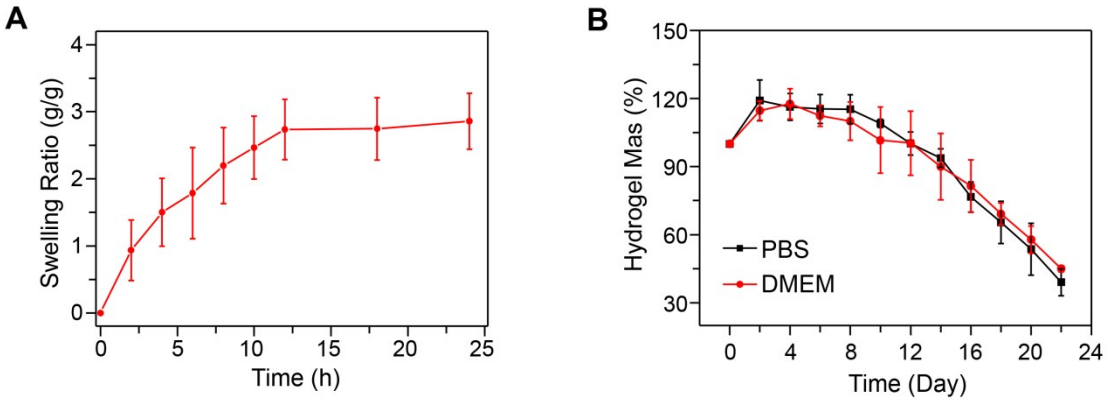

Fig. S4. The swelling ratio (A) and *in vitro* degradation (B) of NR/DOX/ALG hydrogels.

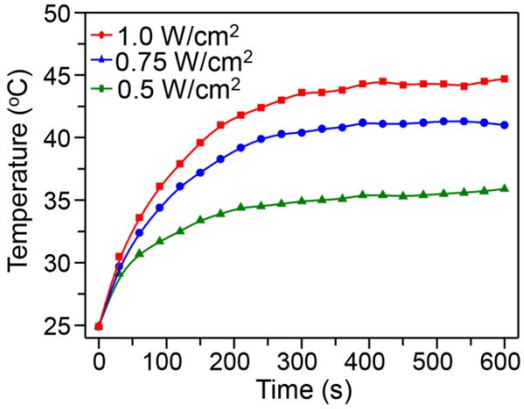

Fig. S5. Photothermal heating curves of Au/Ag NRs with different laser power upon 1064 nm laser irradiation (0.5, 0.75, 1.0 W/cm^2).

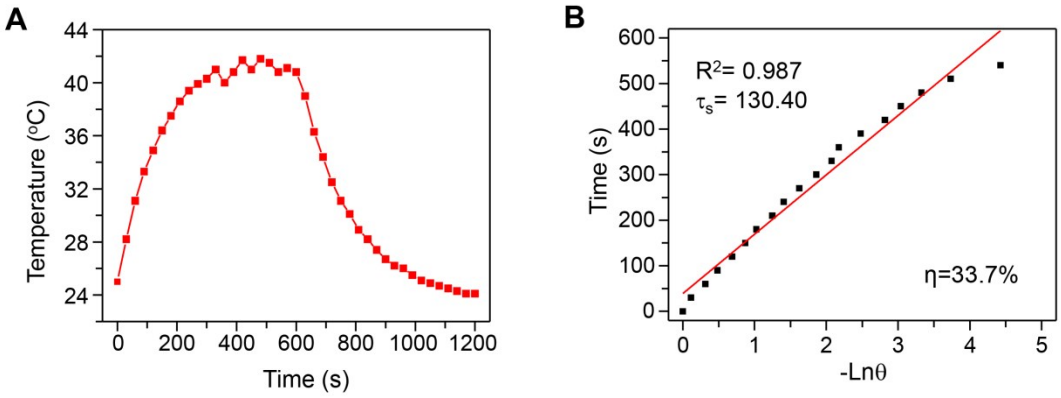

Fig. S6. The photothermal conversion efficiency (η) of Au/Ag NRs.

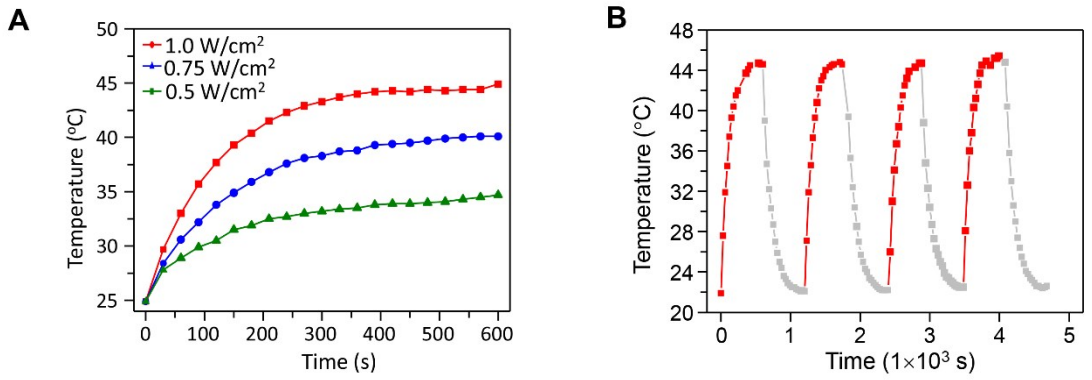

Fig. S7. Photothermal heating curves (A) of hydrogels with different laser power upon 1064 nm laser irradiation (0.5, 0.75, 1.0 W/cm^2). (B) Temperature elevation of NR/DOX/ALG (Au/Ag NRs 5 μg) over four laser on/off cycles of NIR-II irradiation (1.0 W/cm^2).

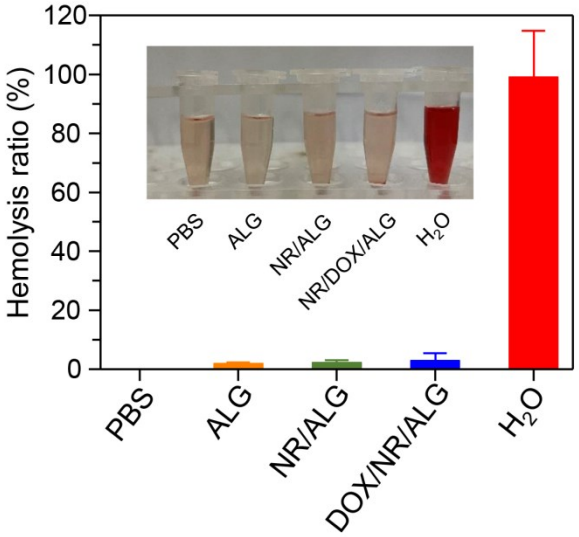

Fig. S8. Hemolytic ratio and photograph of RBC incubated with PBS, water, ALG, NR/ALG and NR/DOX/ALG.

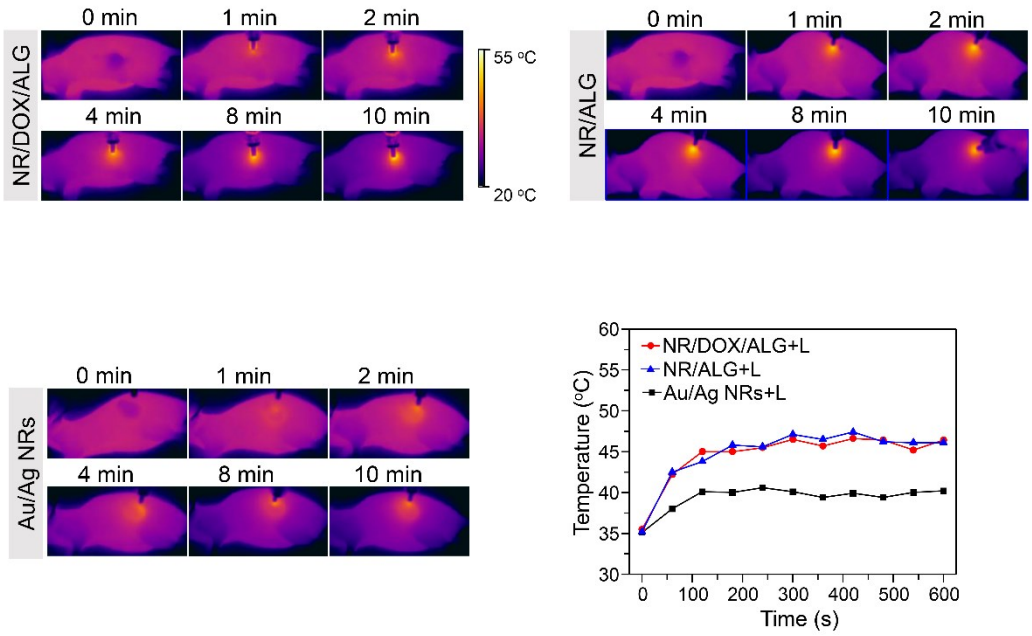

Fig. S9. IR imaging and temperature augmentation during laser illumination after 2 days injection of different materials.

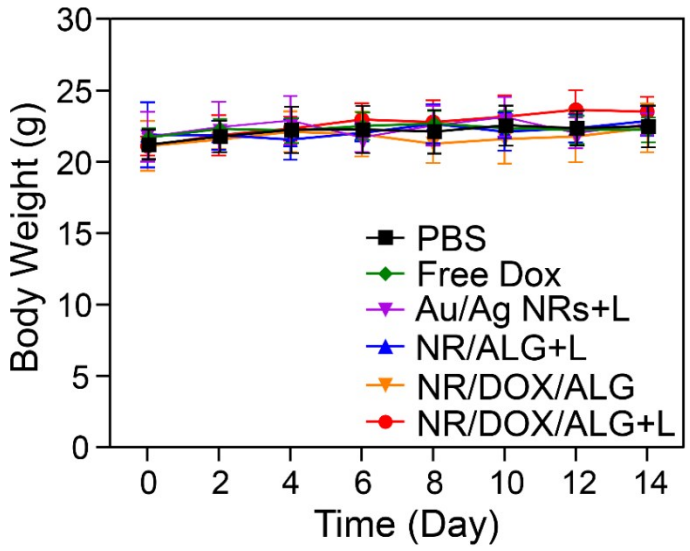

Fig. S10. Body weight of mice bearing A549 cancer xenografts after the administration of various treatments.