

Electronic Supplementary Information

Mesoporous NaYF₄:Yb,Er@Au-Pt(IV)-FA nanospheres for dual-modal imaging and synergistic photothermal/chemo- anti-cancer therapy

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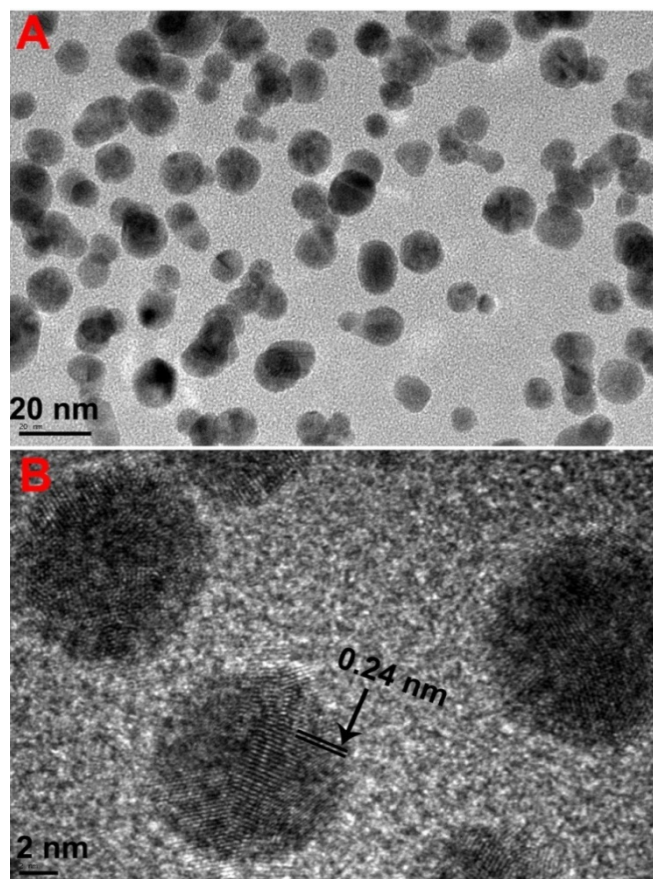


Fig. S1 (A) TEM image and (B) HRTEM image of Au NPs.

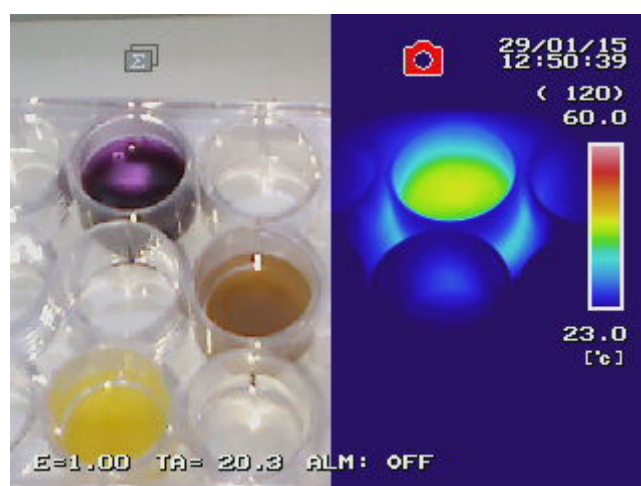


Fig. S2 Digital photograph and the infrared thermal image of Au NPs solution after NIR irradiation for 5 min.

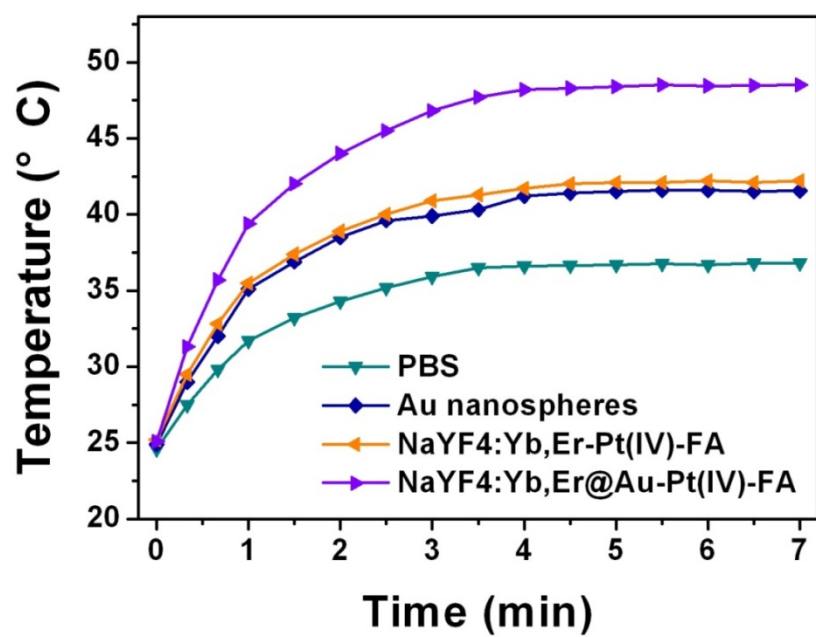


Fig. S3 Temperature curves of the different solutions as a function of the NIR irradiation time.

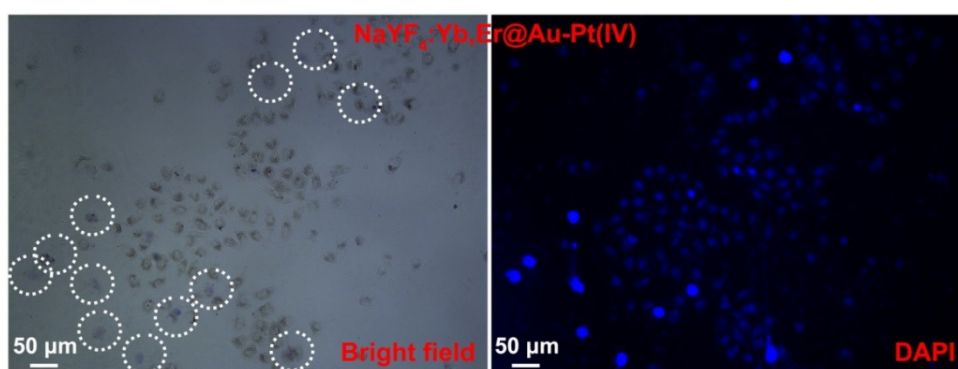


Fig. S4 Microscope images under the bright field and fluorescence field (405 nm) of L929 cells incubated with NaYF₄:Yb,Er@Au-Pt(IV) dyed by DAPI and trypan blue.

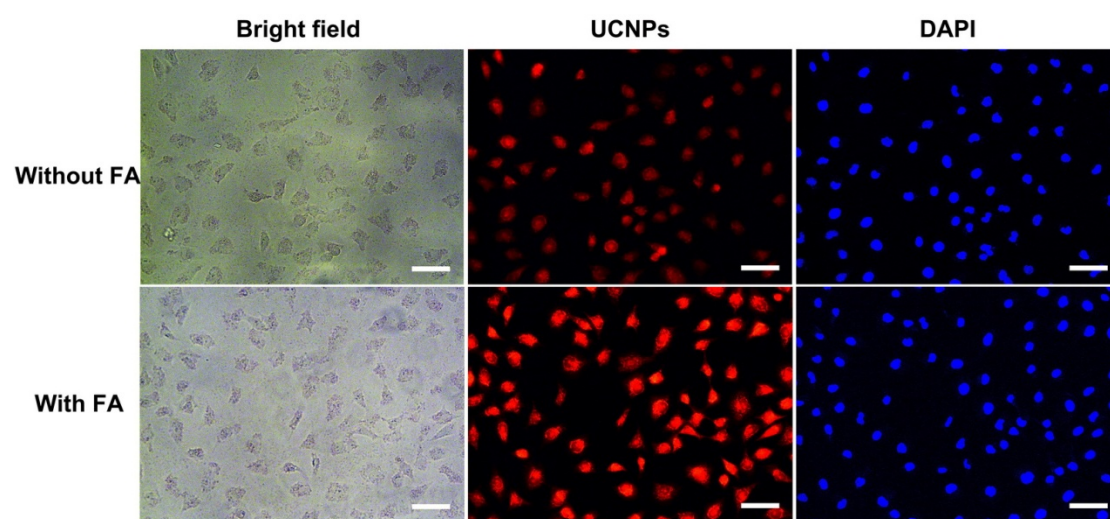


Fig. S5 Microscopy images of HeLa cells incubated with NaYF₄:Yb,Er@Au-Pt(IV) with and without FA modified for 1 h. All the scale bars are 50 μ m.

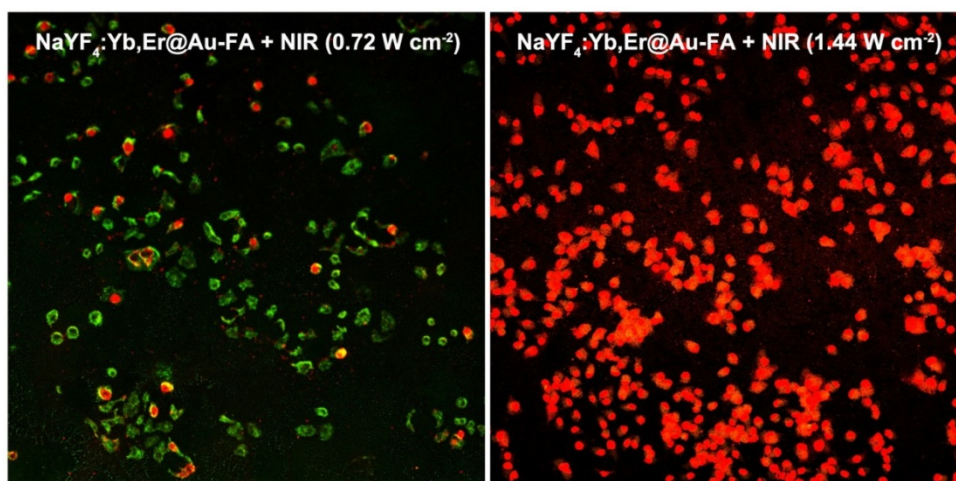


Fig. S6 CLSM images of HeLa cells incubated with NaYF₄:Yb,Er@Au-FA under NIR irradiation for 10 min with different pump powers dyed by calcein AM and PI.