Supporting Information

Three dimensional plasmonic assemblies of AuNPs with overall size of sub-200 nm for chemophotothermal synergistic therapy of breast cancer†

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Figure S1. Characterization of the AuNPs-DOX@BSA by TEM, DLS and UV-vis. (a-d): TEM image of AuNPs-DOX@BSA1-4; (e): Size distribution of AuNPs-DOX@BSA1-4; (f): UV-vis absorbance spectra of AuNPs-DOX@BSA2-4.
**Figure S2.** Infrared thermal imaging and photothermal heating curves for AuNPs-DOX@BSA aqueous dispersion at 1.0 mg/mL with an 808 nm of NIR laser irradiation and various power density (0.25-1.5 W/cm²).
Figure S3. Change in size distribution of the AuNPs-DOX-BSA4-FA measured by DLS during storage at 4 °C.
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Figure S5. XFM images of the MCF-7 cells incubated with AuNPs-DOX@BSA4-FA for 4 h showing element fluorescence of Cl, S and Au. The MCF-7 cells without incubation of AuNPs-DOX@BSA4-FA is used as the control.
Figure S6. Cell viability of MCF-7 cells treated with laser irradiation (808 nm, 2.0 W/cm²) for various irradiation time without administration of any nanoparticles.
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