nanomaterials

MDPI

Supplementary Material

Gold Nanostars Embedded in PDMS Films: A Photothermal Material for Antibacterial Applications

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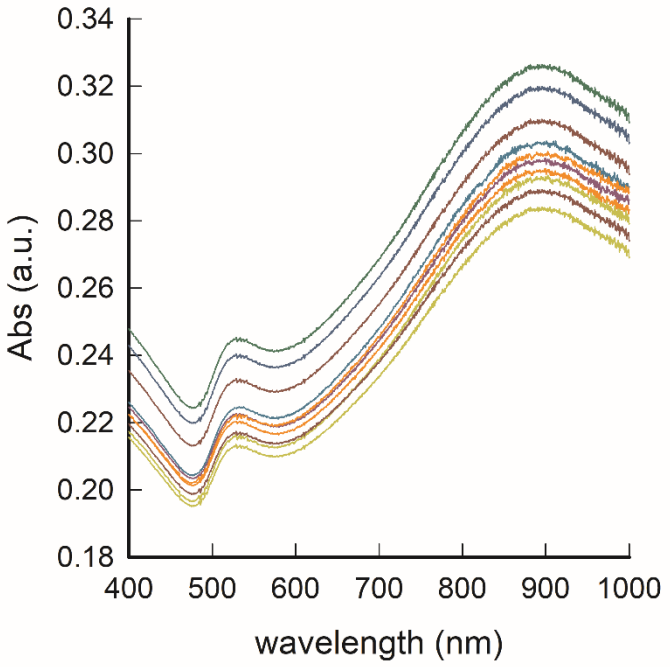

Figure S1. UV-Vis-NIR spectra taken in 10 different points of a PDMS sample (sample "b", see Figure S3) with embedded GNS (concentration: 2.7×10^{-6} mol of Au for g of elastomer).

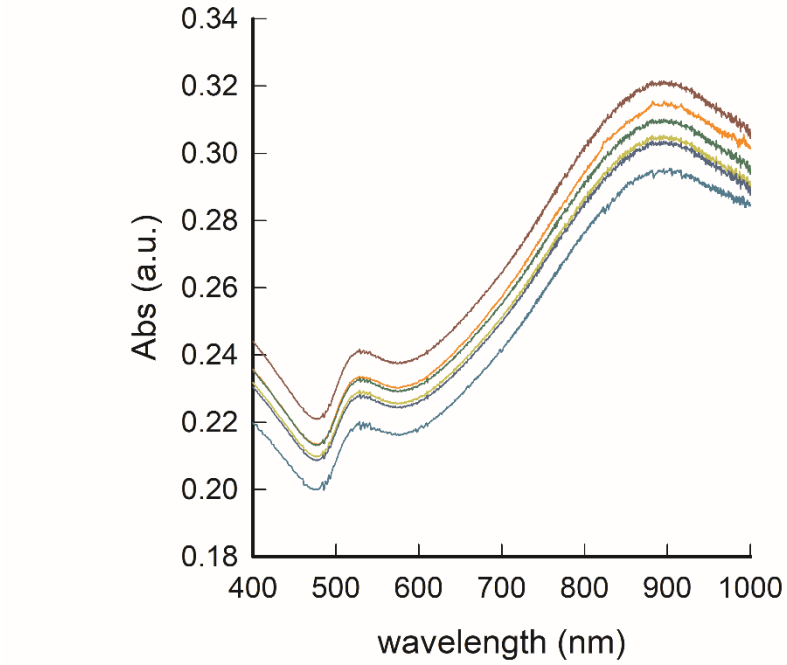

Figure S2. UV-Vis-NIR spectra of six PDMS samples (samples a-f, see Figure S3) with embedded GNS (concentration: 2.7×10^{-6} mol of Au for g of elastomer). Each spectrum is obtained as a mean spectrum from measurements in ten different points of each sample.

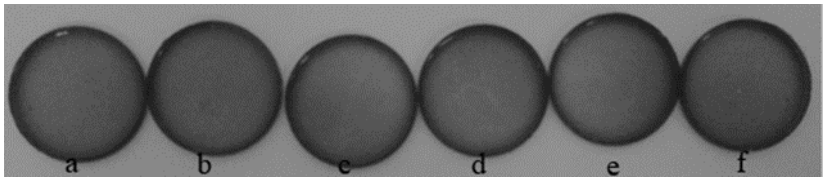

Figure S3. Photograph of six different samples of PDMS with embedded GNS having concentration of 2.7×10^{-6} mol of Au for g of elastomer.

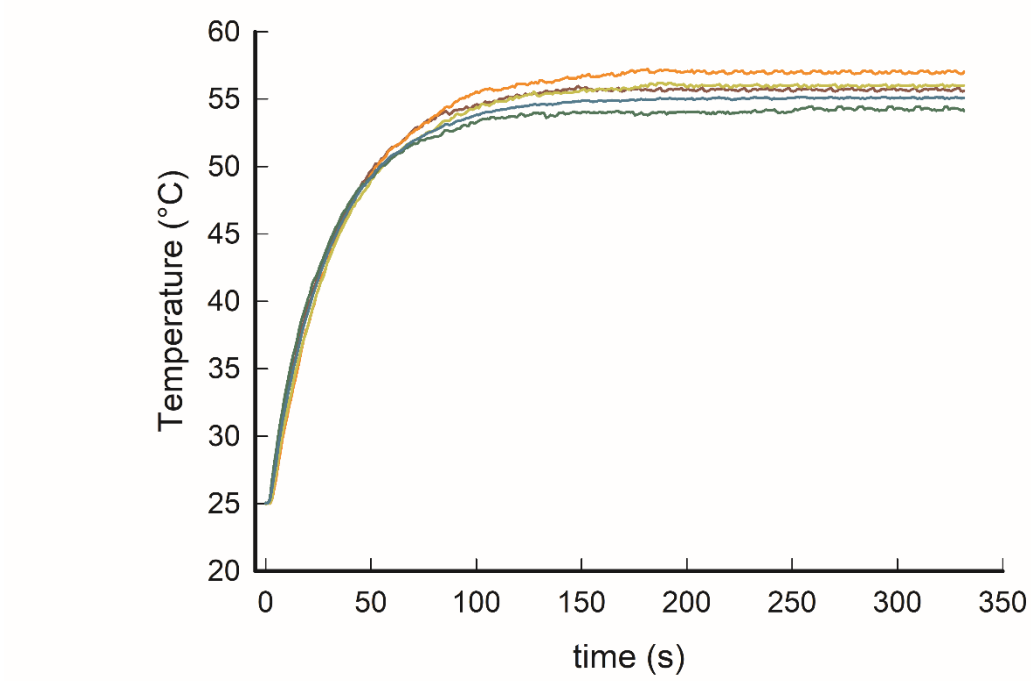

Figure S4. Thermograms obtained in five different spots of a PDMS sample (sample "a" in Figure S3) upon irradiation at 808 nm with irradiance 0.264 W/cm^2.