

Supporting Information

On the role of polymeric hydrogels in the thermal response of gold nanorods under NIR laser irradiation

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Hydrogel characterization

Thermogravimetric analysis (TGA)

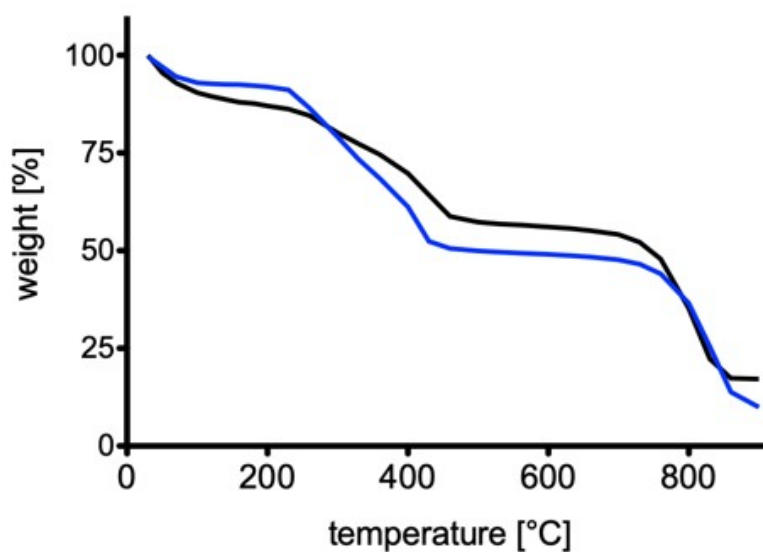


Figure S1. TGA analyses of Au NRs-loaded hydrogel samples (blue line) and control samples (black line).

Differential scanning calorimetry (DSC)

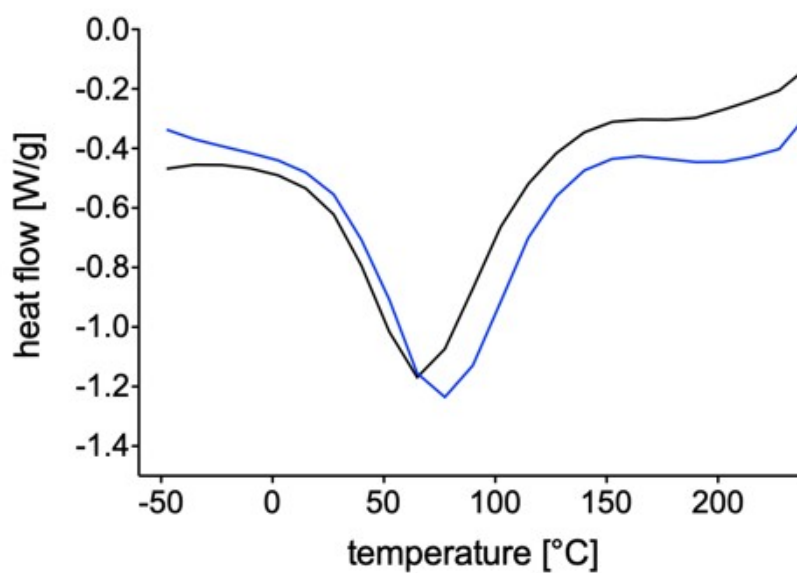


Figure S2. DSC analyses of Au NRs-loaded hydrogel samples (blue line) and control samples (black line).

Gelation time

	HGs	Au-HGs
gelation time [min]	7'10"	7'20"

Table S1. Gelation time of Au NRs-loaded hydrogel samples (Au-HGs) and control samples (HG).

Scanning electron microscopy (SEM)

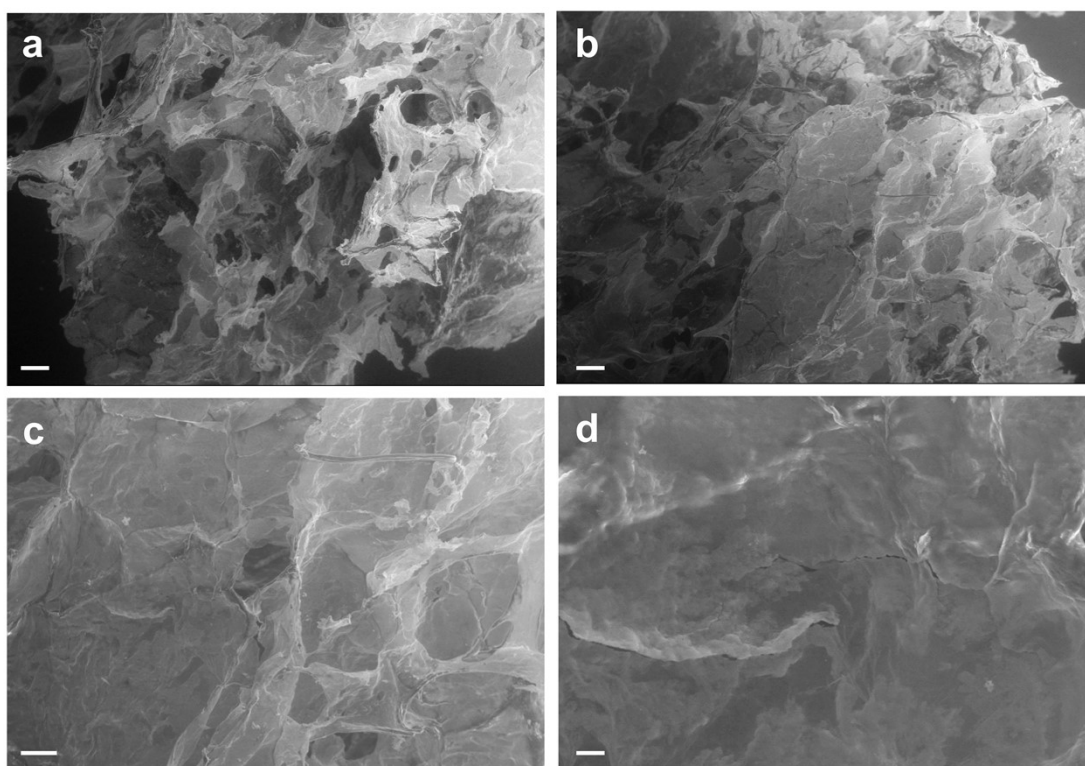


Figure S3. SEM analysis of AC hydrogels loaded with Au NRs (a, c) and neat AC hydrogels (b, d). Scale bars: 200 μm (a, b); 100 μm (c); 20 μm (d).