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Supporting Information

Facile Synthesis of Gold/Gadolinium-doped Carbon Quantum Dot Nanocomposite for Magnetic Resonance Imaging and Photothermal Ablation Therapy

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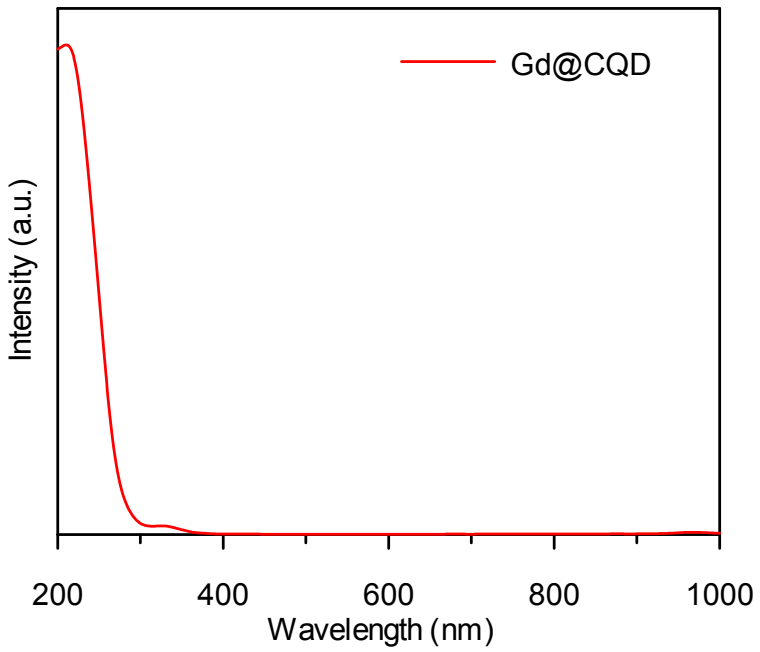

Figure S1. Representative UV-Vis-NIR absorption spectrum of Gd@CQDs

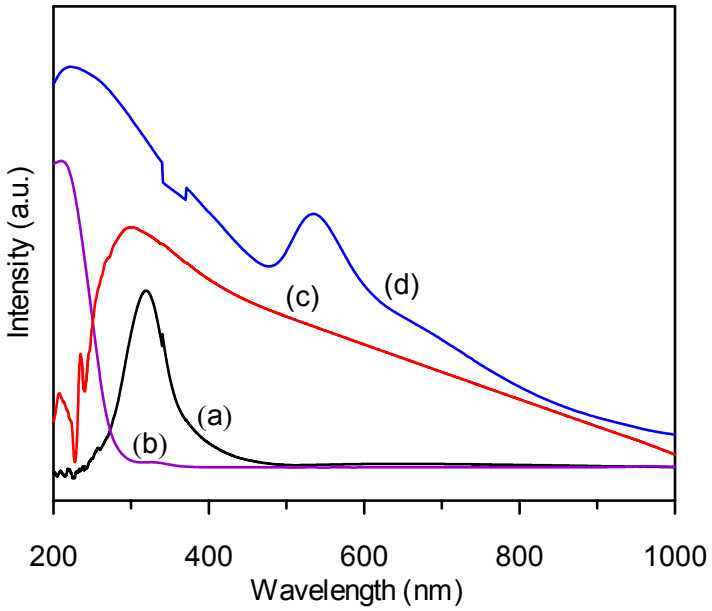

Figure S2. Representative UV-Vis-NIR absorption spectrum of (a) $HAuCl_4$ (b)Gd@CQDs (c) $HAuCl_4$-Gd@CQDs complex without heating (d) Au/GdC nanocomposite at 80 ^{0}C for 120 min.

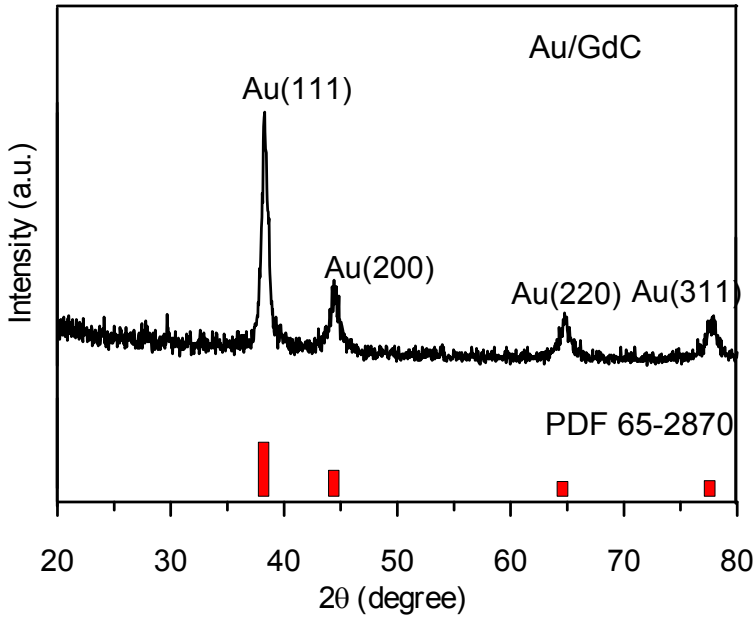

Figure S3. Representative XRD Spectrum of Au/GdC nanocomposite

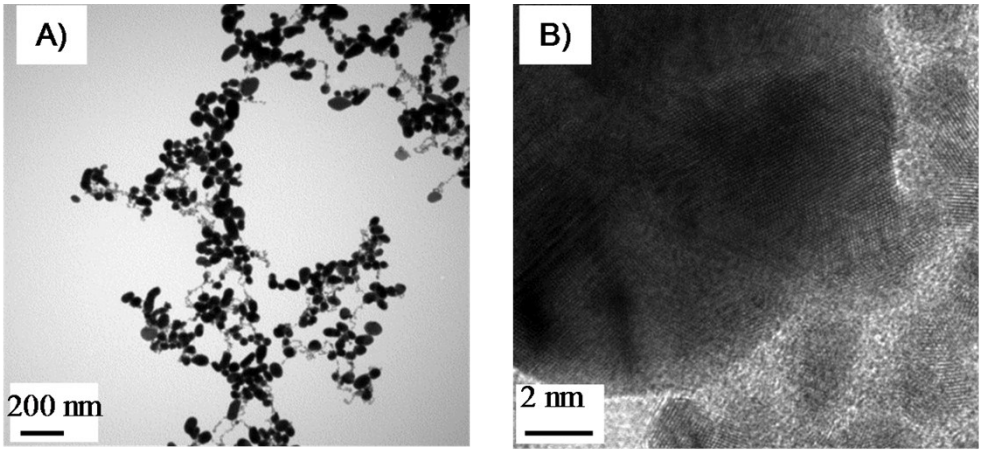

Figure S4. Electron microscopic observations. (A) TEM image (B) HR-TEM images.

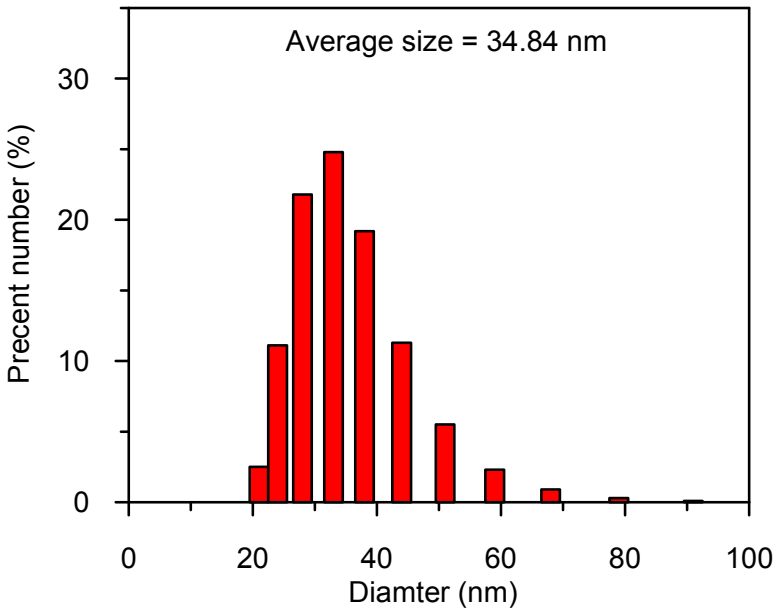

Figure S5. DLS histogram of the Au@GdC nanocomposite

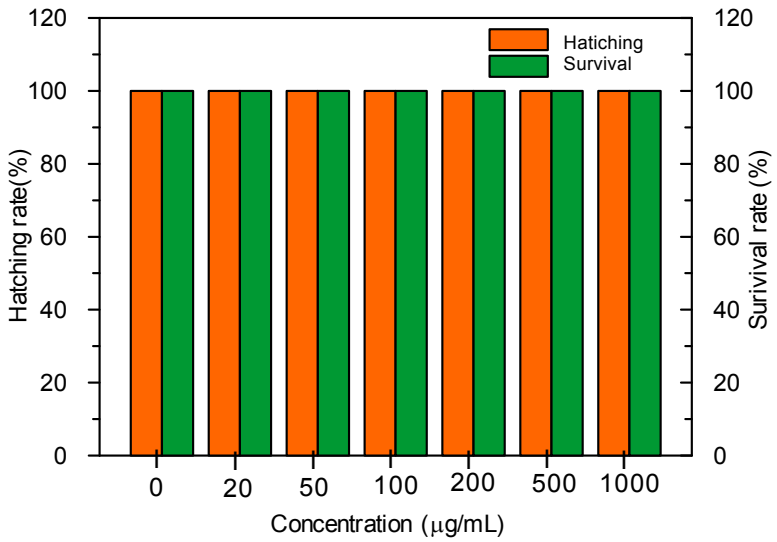

Figure S6. Effect of various concentrations of Au/Gd on survival and hatching rates of zebrafish grown to 96 hpf.

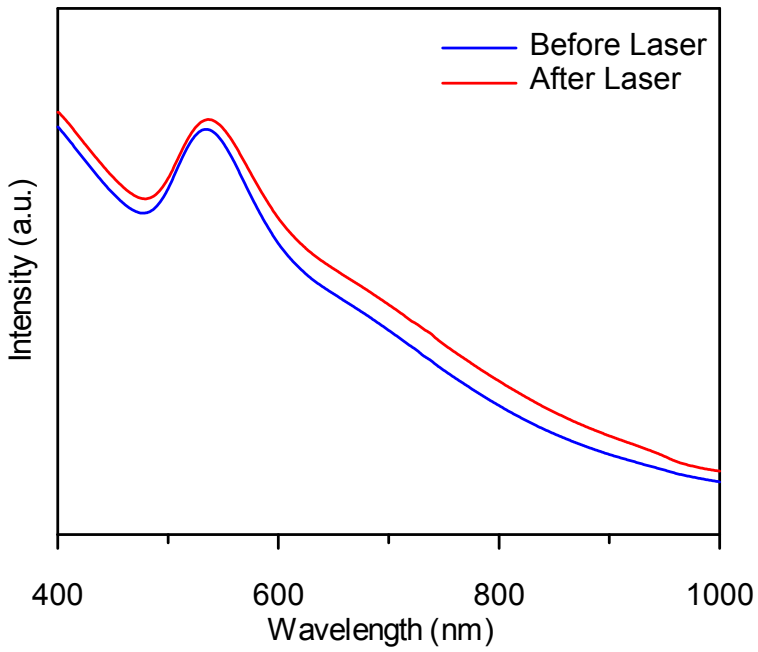

Figure S7. UV-Visible-NIR spectra of the nanocomposite before and after irradiation with the NIR laser (808 nm, 2 W/cm^2).