ADVANCED FUNCTIONAL MATERIALS

Supporting Information

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Gadolinium-Doped Iron Oxide Nanoprobe as Multifunctional Bioimaging Agent and Drug Delivery System

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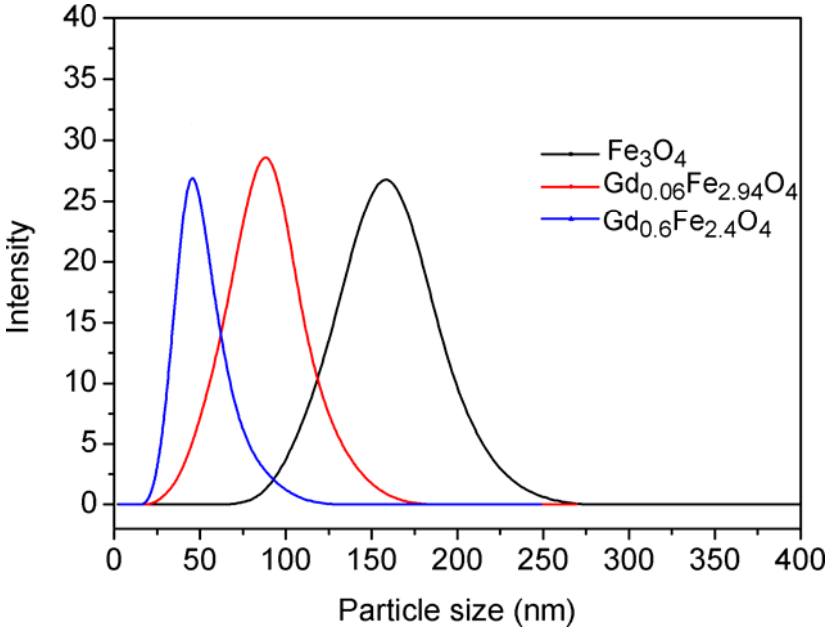

Figure S1. Particle size distributions of different samples.

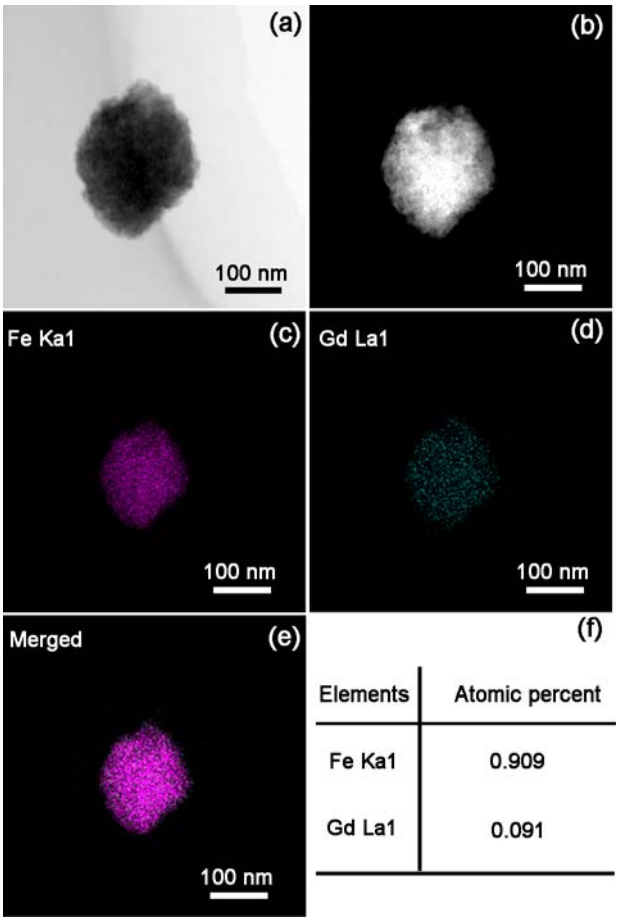

Figure S2. Scanning TEM images in bright field (a) and dark field (b) and the corresponding element area mappings (c,d,e) of $Gd_{0.3}Fe_{2.7}O_4$; (f) Gd/Fe ratio in GION through element quantitative analysis.

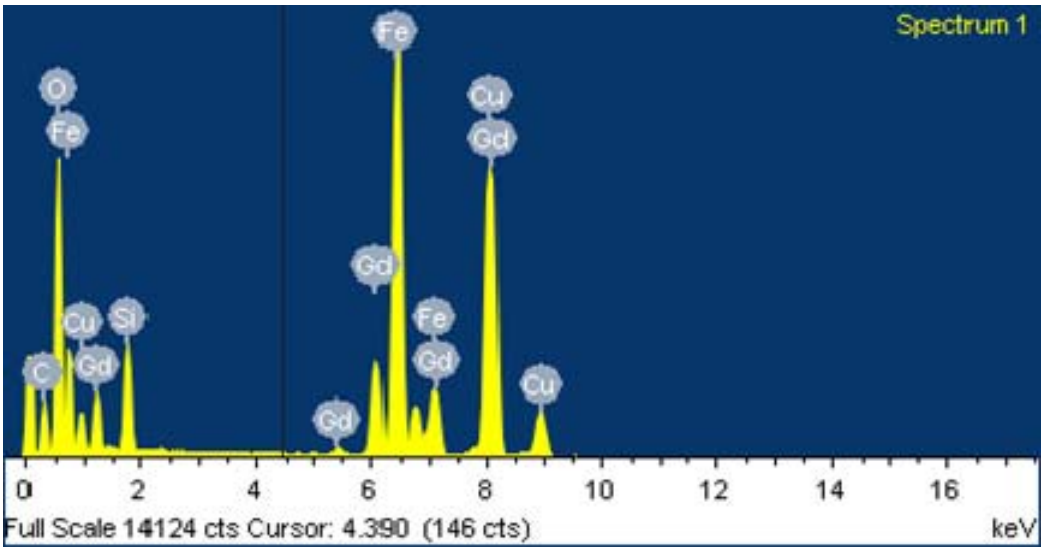

Figure S3. Energy dispersive X-ray (EDX) bright field studies of GION.

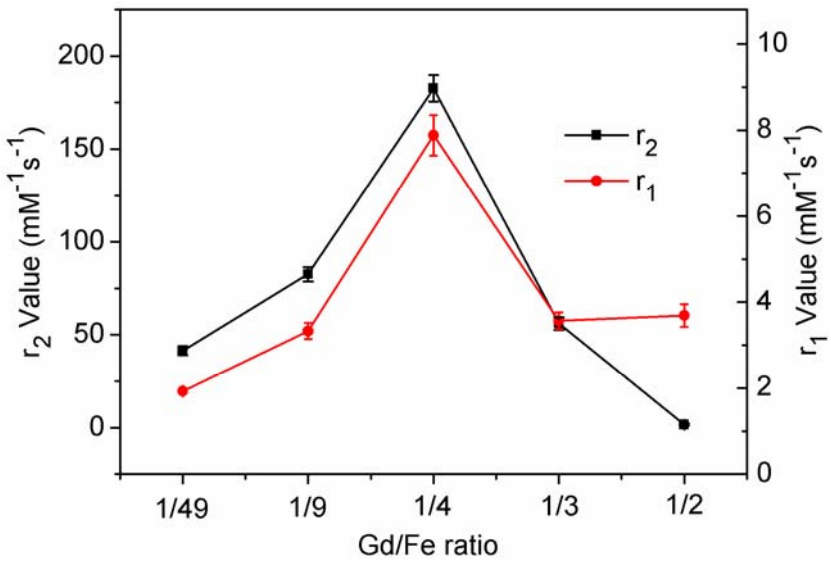

Figure S4. Transverse (r_2) and longitudinal (r_1) relaxivities of GIONs with different Gd/Fe ratios.

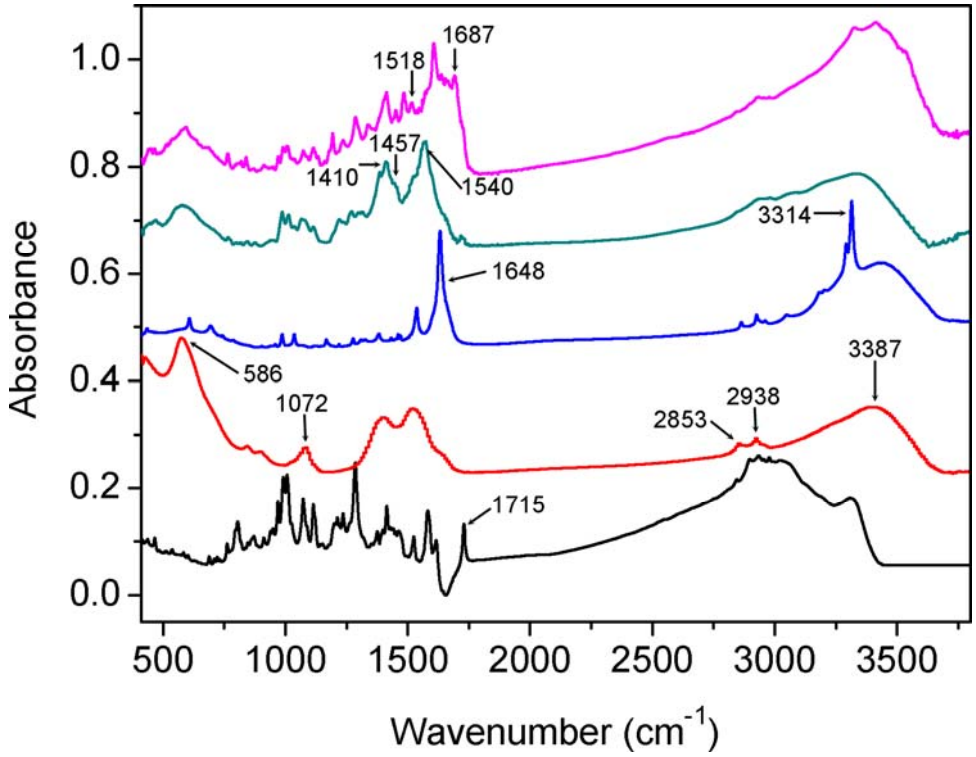

Figure S5. FTIR spectra of DOX (black), GION (red), GION-hydrizade (blue), GION-DOX (green), and FA-GION-DOX (pink).