

Article

## Mesoporous Silica Nanoparticles with Co-Condensed Gadolinium Chelates for Multimodal Imaging

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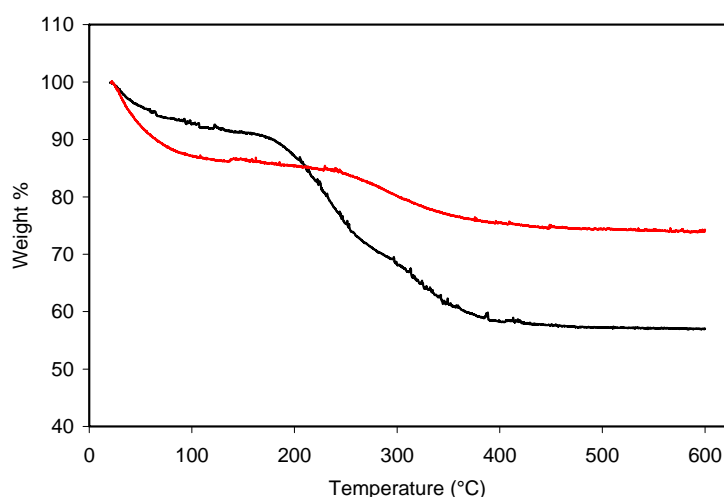
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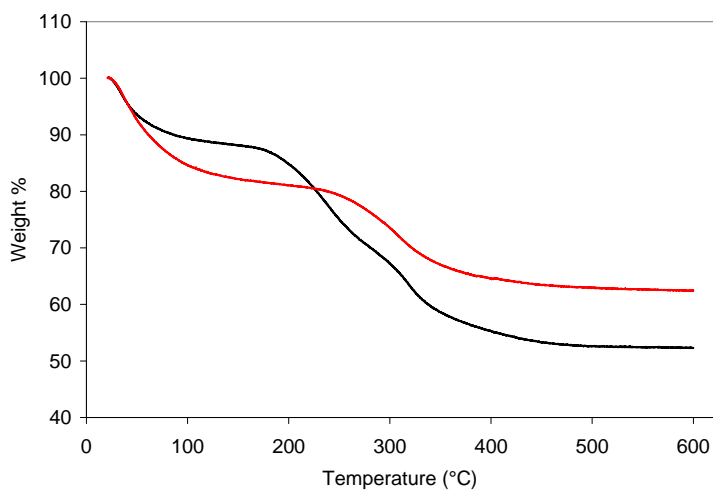
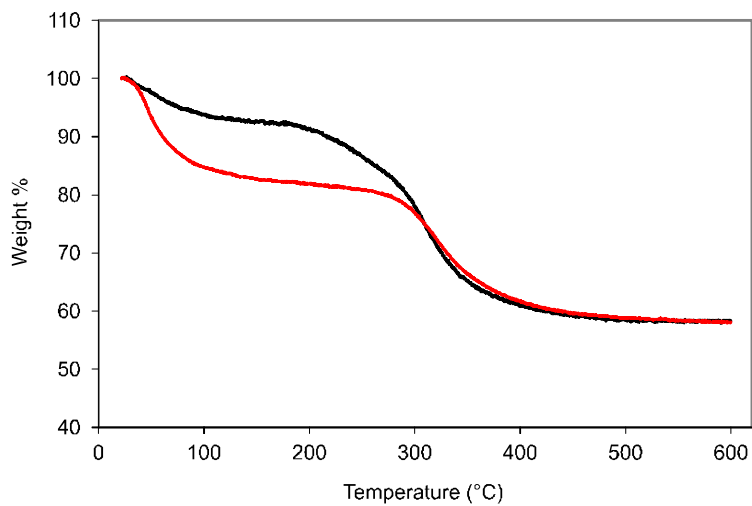
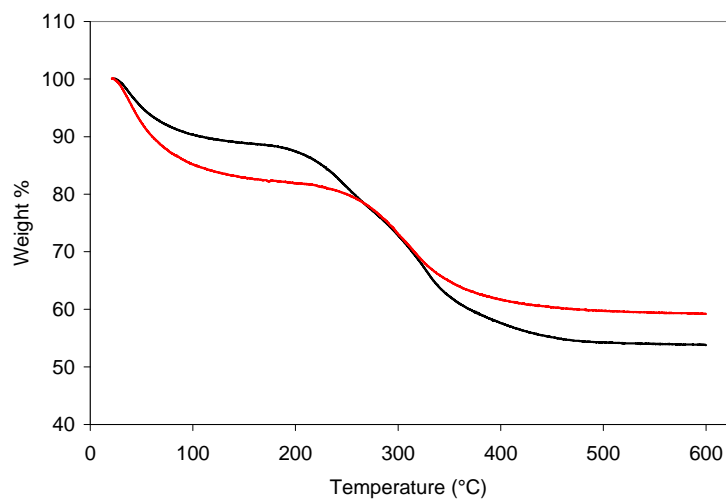
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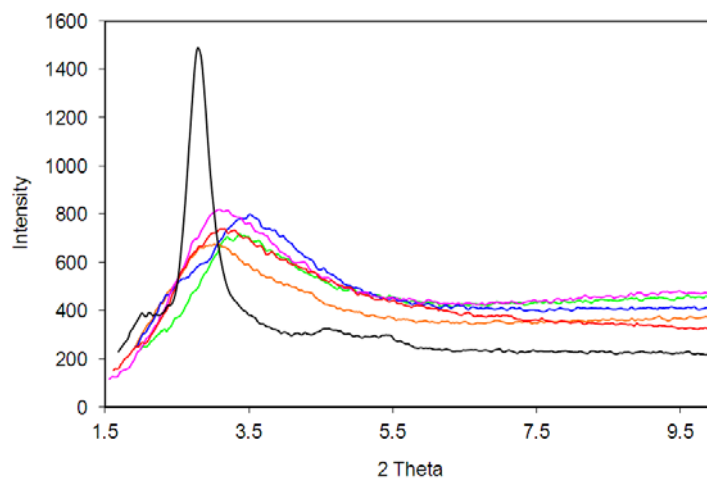
### Supplementary Information

**Figure S1.** TGA of **1** before (black) and after (red) surfactant extraction.

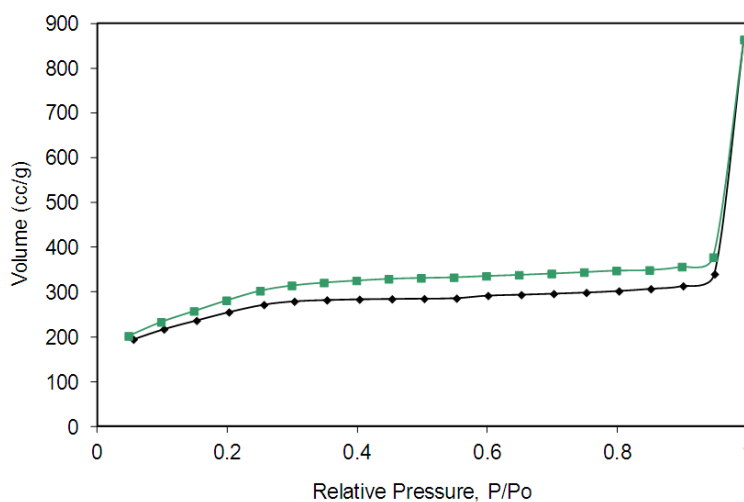


**Figure S2.** TGA of **3** before (black) and after (red) surfactant extraction.**Figure S3.** TGA of **4** before (black) and after (red) surfactant extraction.**Figure S4.** TGA of **5** before (black) and after (red) surfactant extraction.

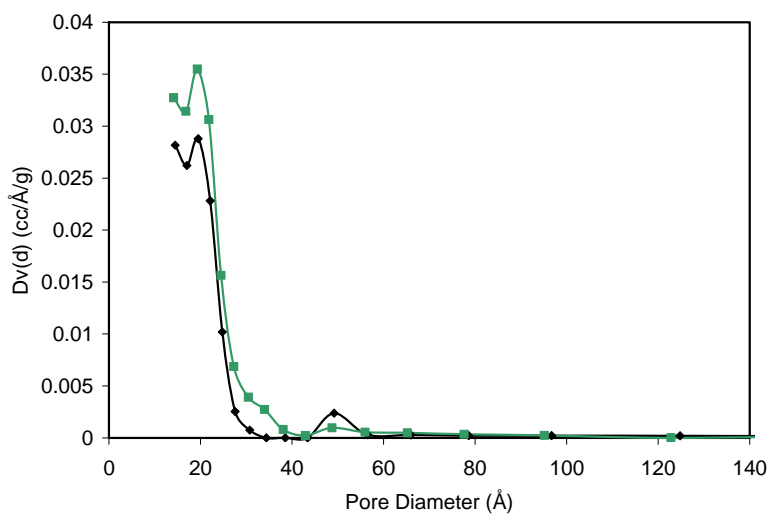
**Figure S5.** PXRD of MCM-41 nanoparticles (black) and co-condensed samples **1** (red), **2** (blue), **3** (orange), **4** (green), and **5** (pink).

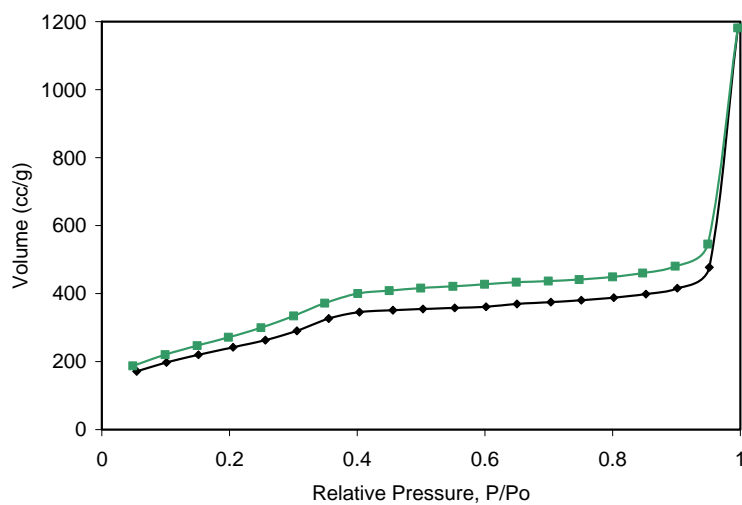
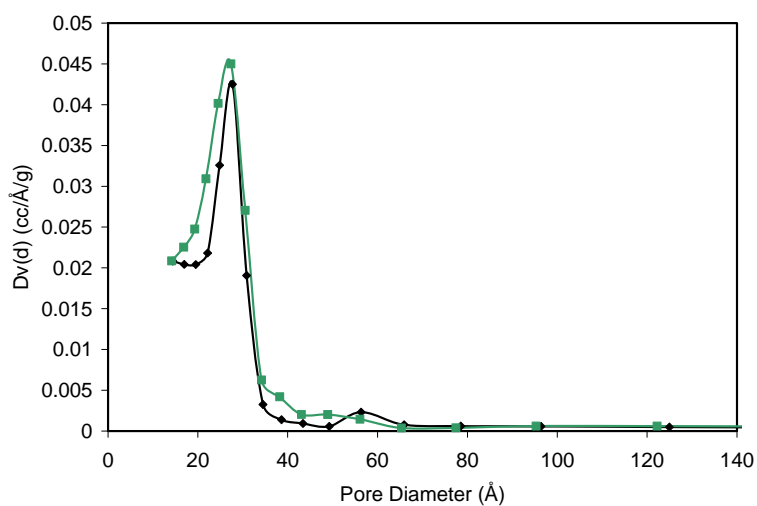
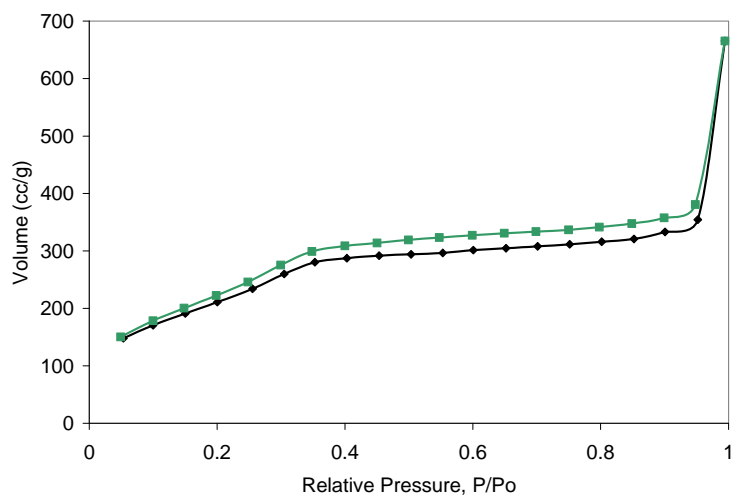


**Figure S6.** Nitrogen adsorption isotherm of **1** (black-adsorption; green-desorption).

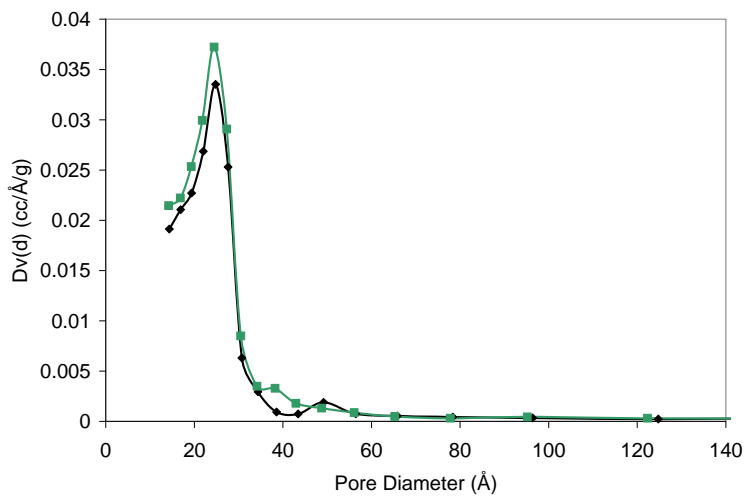


**Figure S7.** Pore size distribution of **1** (black-adsorption; green-desorption).

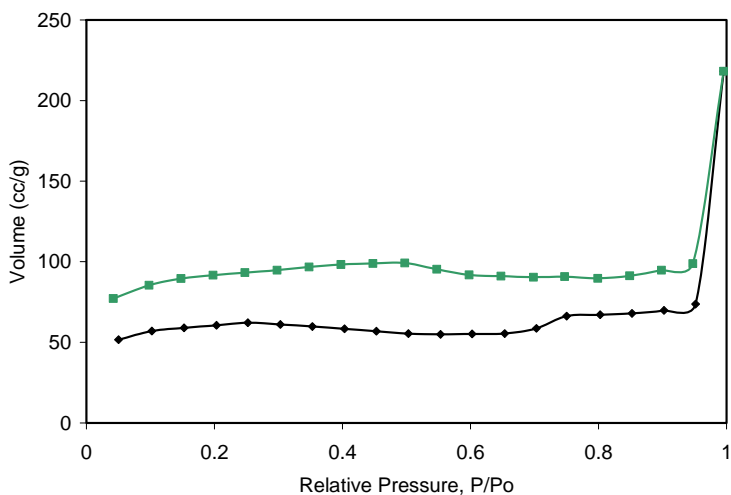


**Figure S8.** Nitrogen adsorption isotherm of **3** (black-adsorption; green-desorption).**Figure S9.** Pore size distribution of **3** (black-adsorption; green-desorption).**Figure S10.** Nitrogen adsorption isotherm of **4** (black-adsorption; green-desorption).

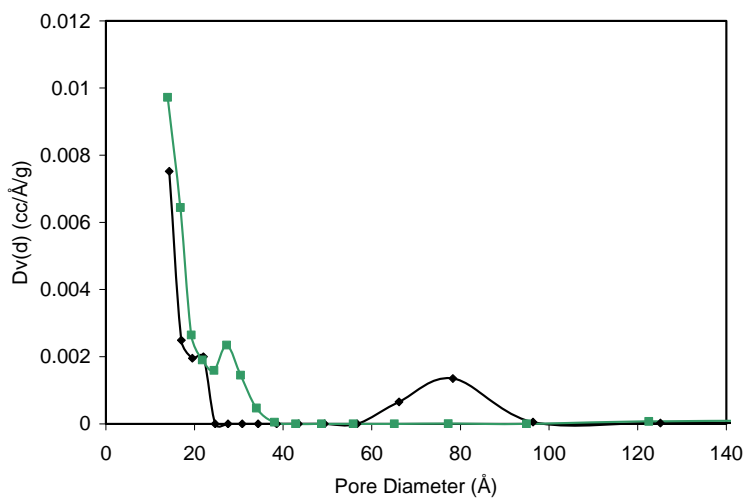
**Figure S11.** Pore size distribution of **4** (black-adsorption; green-desorption).

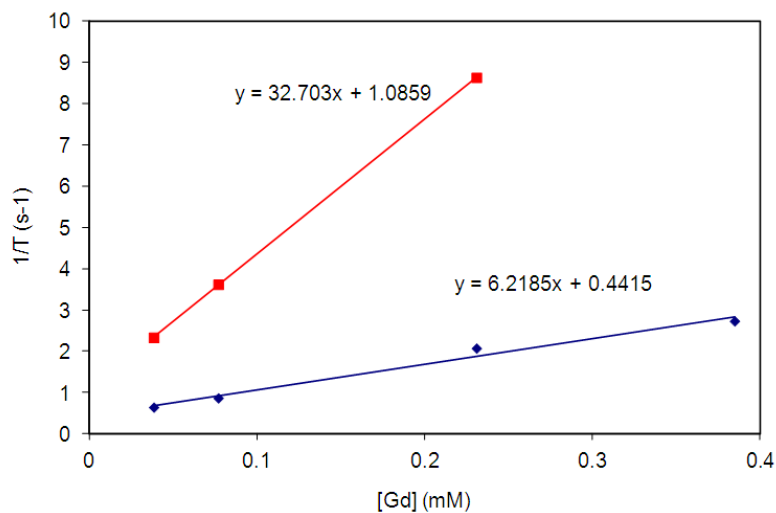
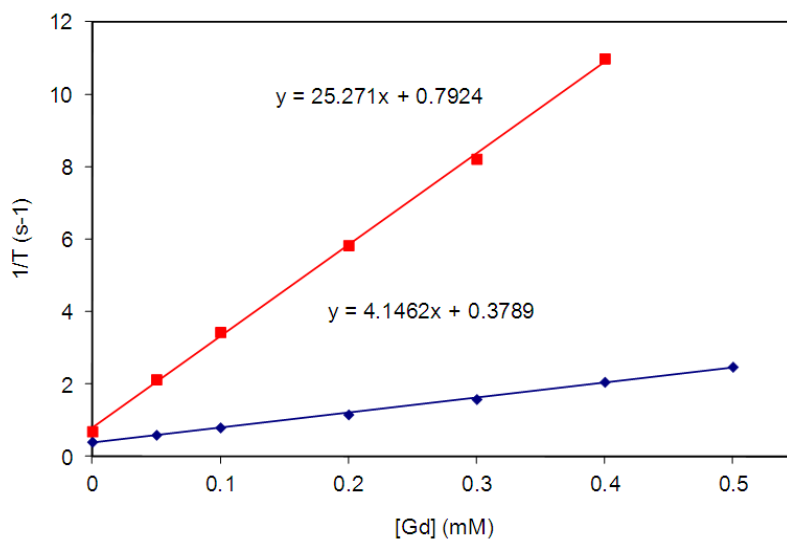
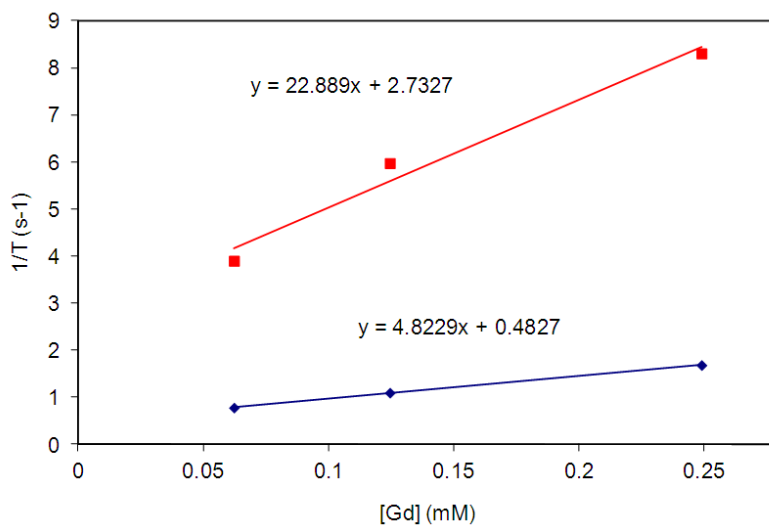


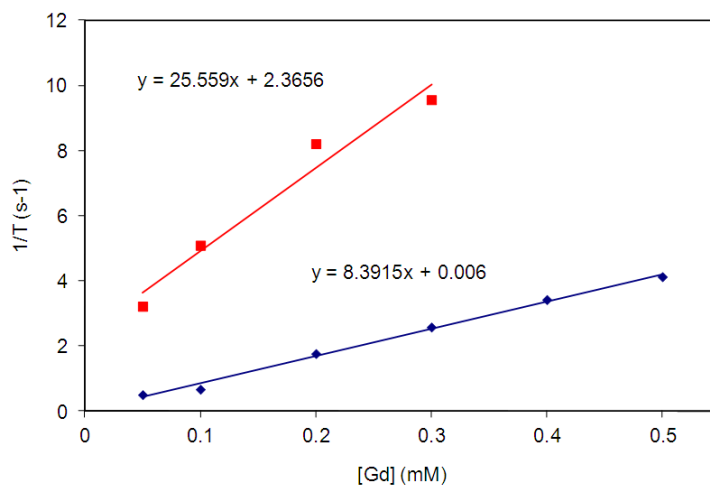
**Figure S12.** Nitrogen adsorption isotherm of **5** (black-adsorption; green-desorption).



**Figure S13.** Pore size distribution of **5** (black-adsorption; green-desorption).



**Figure S14.**  $r_1$  (blue) and  $r_2$  (red) relaxivity curves of **1** measured at 3 T.**Figure S15.**  $r_1$  (blue) and  $r_2$  (red) relaxivity curves of **3** measured at 3 T.**Figure S16.**  $r_1$  (blue) and  $r_2$  (red) relaxivity curves of **4** measured at 3 T.

**Figure S17.**  $r_1$  (blue) and  $r_2$  (red) relaxivity curves of **5** measured at 3 T.**Figure S18.** Confocal Scanning Laser Microscopy images of HT-29 cells incubated with no particle (**top**), 500  $\mu$ g **4** (**middle**), or 500  $\mu$ g **4**-RGD (**bottom**). The rhodamine fluorescence channel is on the left and the DIC image is on the right. The scale bar designates 25  $\mu$ m.