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Supplementary Information

Architectured Design of High-Performance Superparamagnetic Fe_3O_4 Nanoparticles for Application as MRI Contrast Agents

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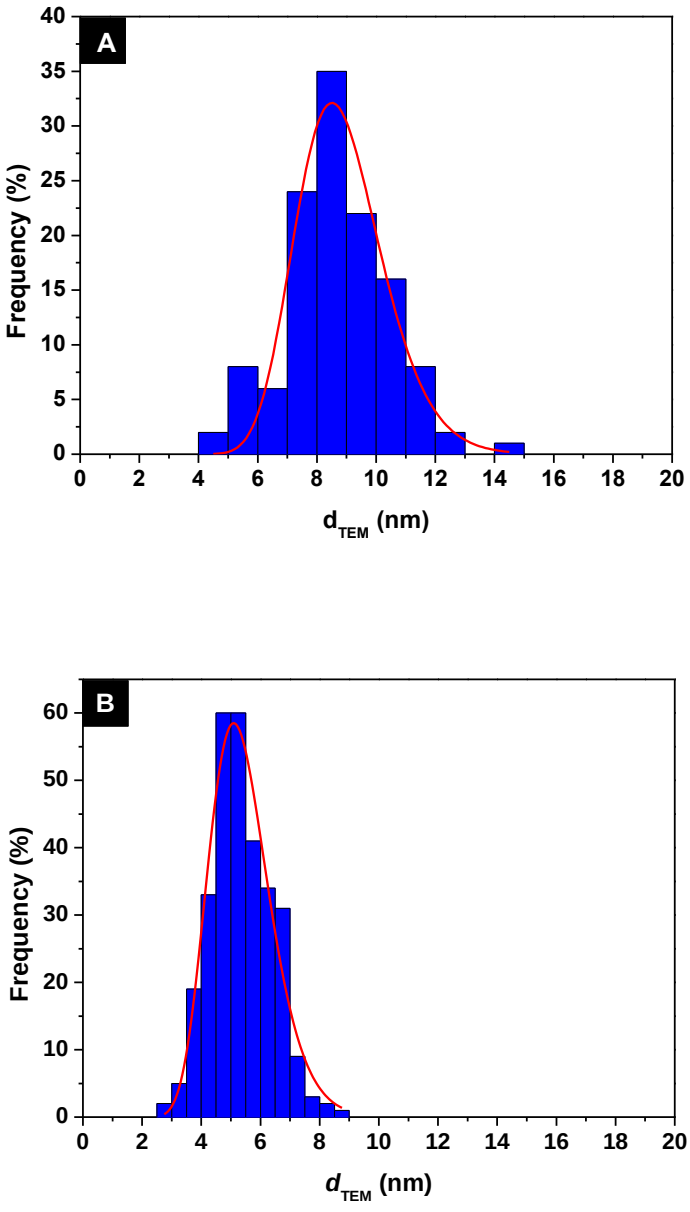
Figure S1. Particle size distribution histograms of (A) Fe_TIPA, (B) Fe_DEA and (C) Fe_TEA nanomaterials. The solid line represents the log-normal distribution fit.



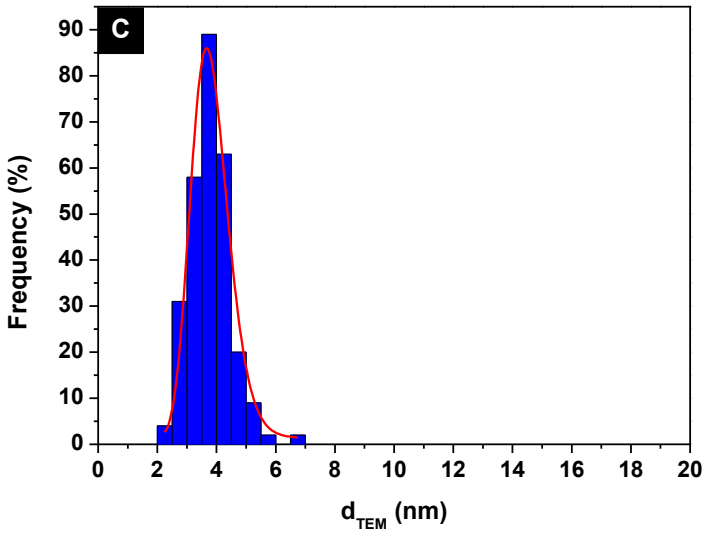

C
Frequency (%)
0
10
20
30
40
50
60
70
80
90
0
2
4
6
8
10
12
14
16
18
20
d_TEM (nm)

Figure S2. SAED patterns of (A) Fe_TIPA, (B) Fe_DEA and (C) Fe_TEA nanomaterials.

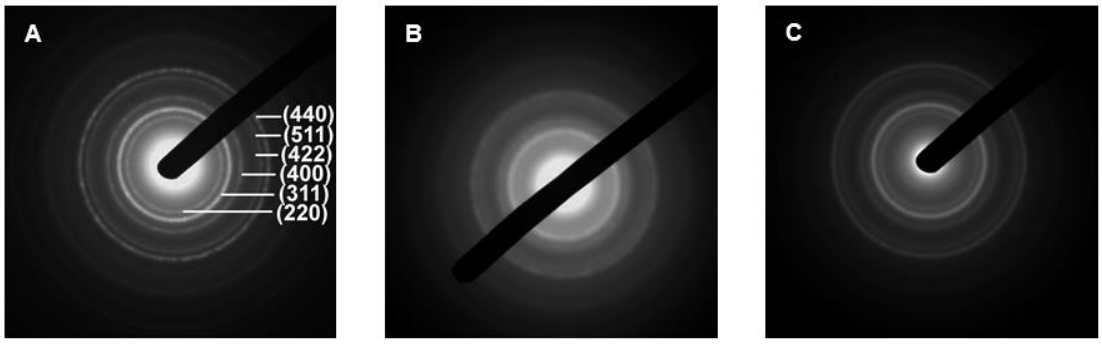


Figure S3. Hydrodynamic size distribution of Fe_TEA aqueous dispersion obtained by DLS, before relaxometry studies and after 6 months. Inset: Photography of the Fe_TEA colloidal dispersion and corresponding TEM image.

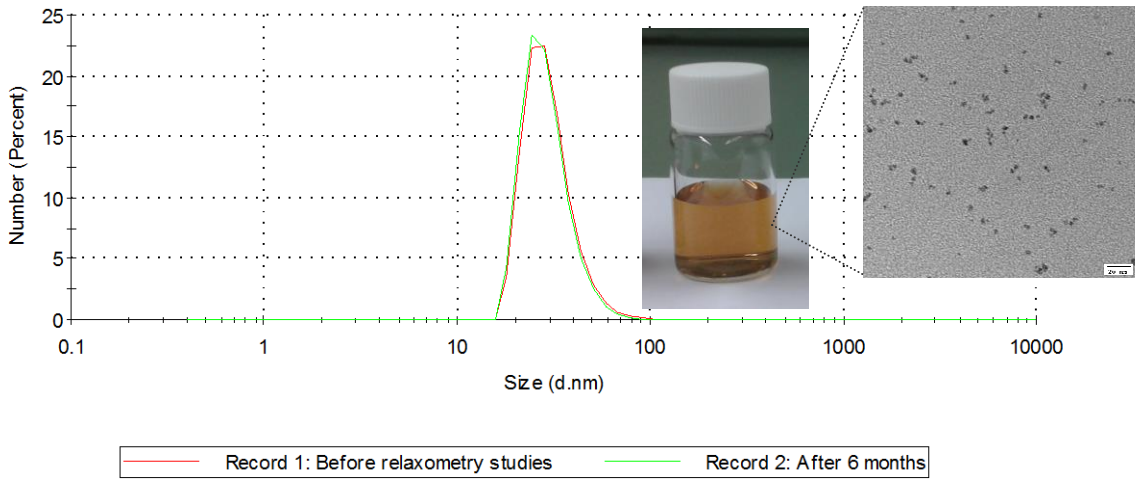
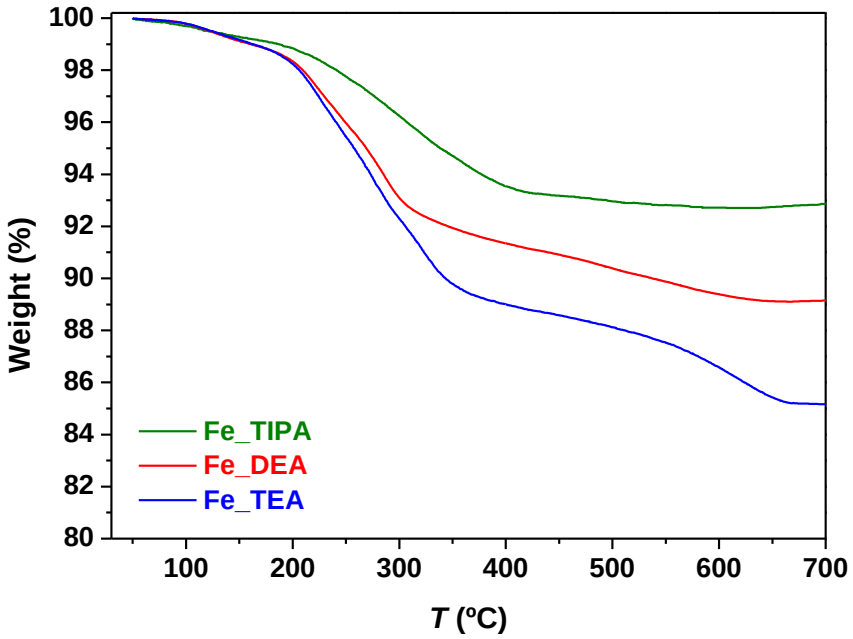



Figure S4. Thermogravimetric curves of the iron oxide nanomaterials performed under N_2 atmosphere.