

Supporting Information

Direct imaging of the magnetic domain polarity and reversal mechanism in individual $\text{Fe}_{3-x}\text{O}_4$ nanoparticles

Carlos Moya^{1*‡}, *Óscar Iglesias-Freire*^{2,3‡}, *Nicolás Pérez*¹, *Xavier Batlle*¹, *Amilcar Labarta*¹ and *Agustina Asenjo*²

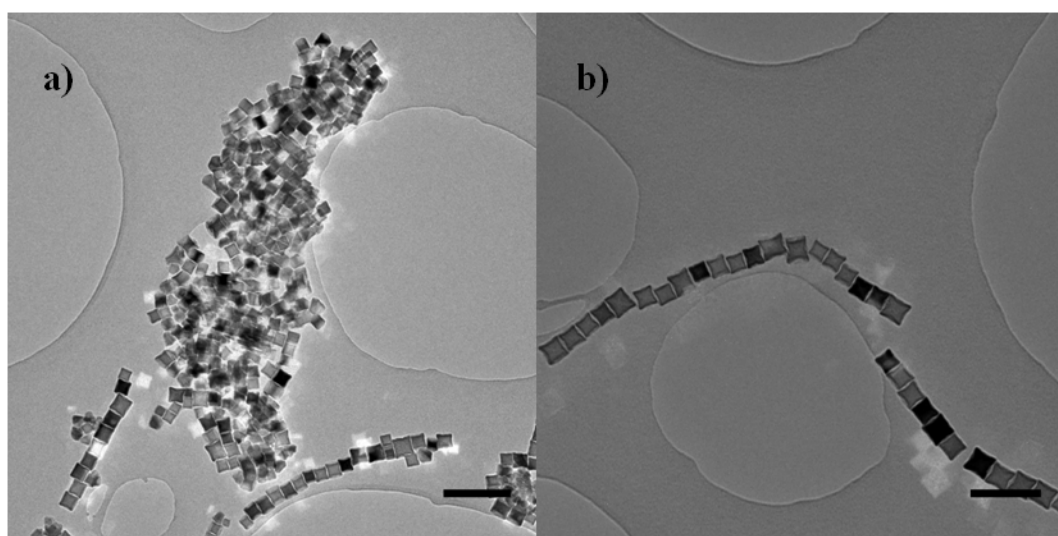


Figure S1. TEM images of 27 nm $\text{Fe}_{3-x}\text{O}_4$ NPs. Scale bars in a) = 200 nm and in b) = 125 nm.

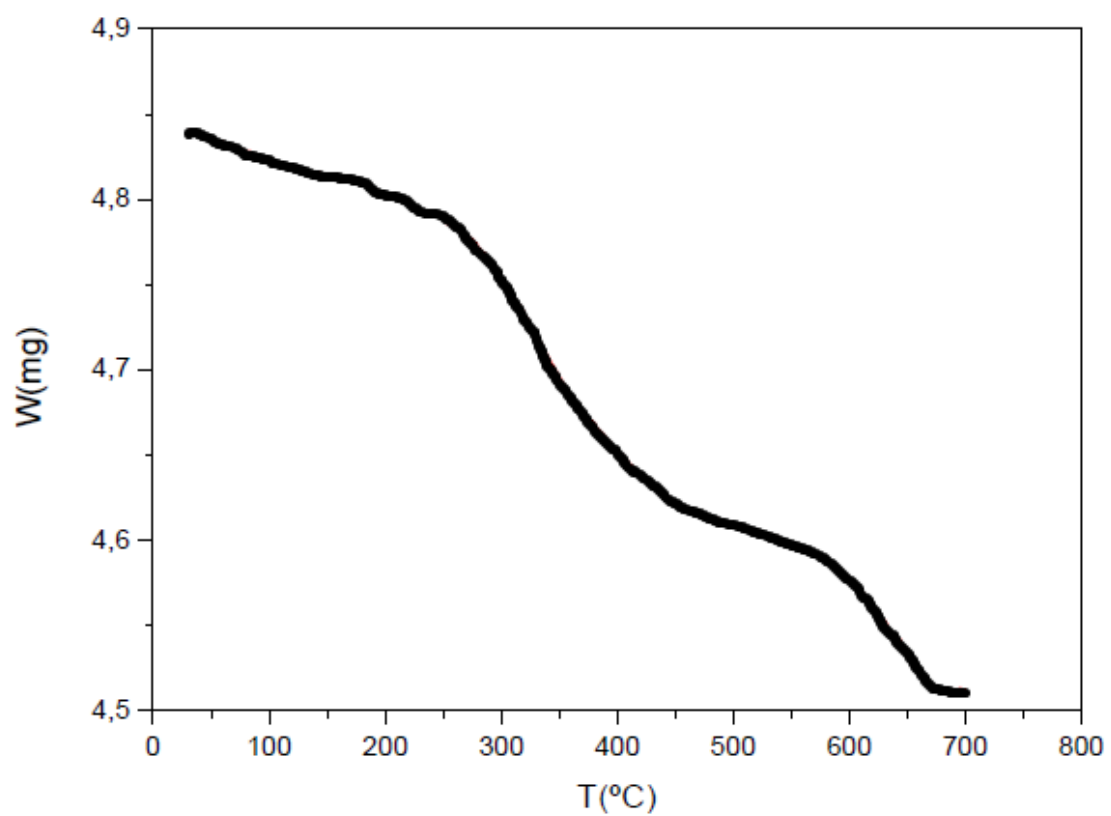


Figure S2. Thermogravimetric curve for the 27 nm Fe_{3-x}O₄ NPs.

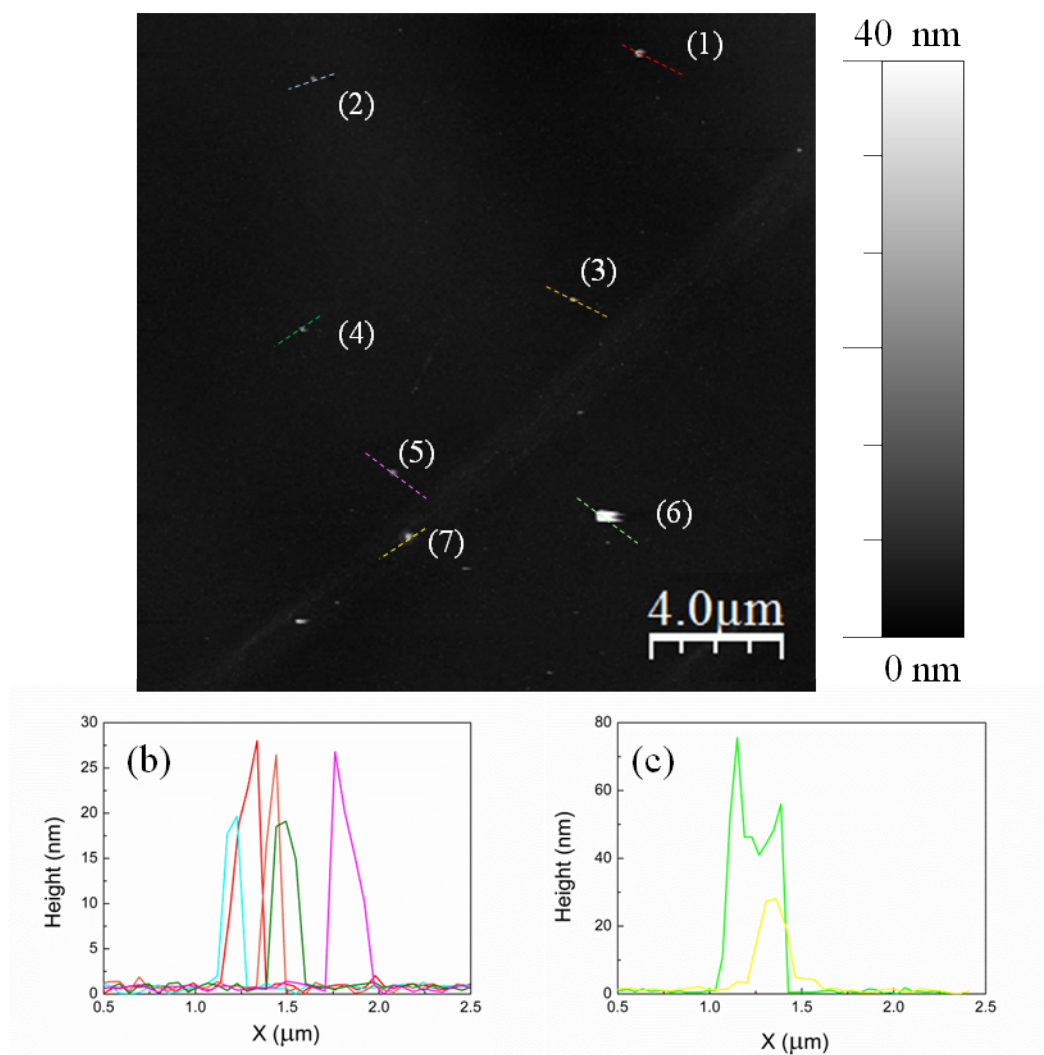


Figure S3. (a) Topography of the scan size (20 x 20 μm). (b) Particle histograms (1)-(5). (c) Particle histograms (6)-(7). Particle (1) is the same as in the Figures 2-3 (a).