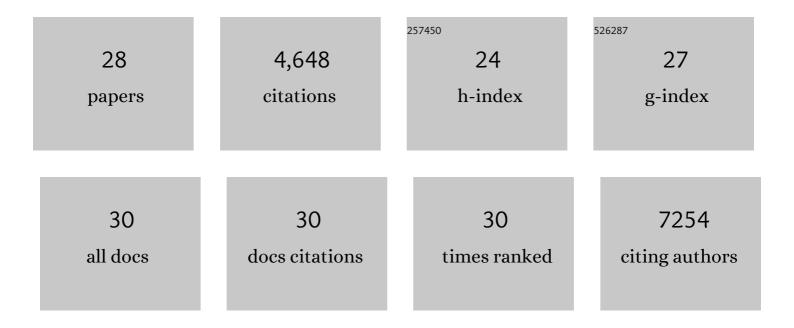
## Carlos J Serna

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The preparation of magnetic nanoparticles for applications in biomedicine. Journal Physics D: Applied Physics, 2003, 36, R182-R197.	2.8	1,673
2	Ordered ferrimagnetic form of ferrihydrite reveals links among structure, composition, and magnetism. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2787-2792.	7.1	312
3	The influence of surface functionalization on the enhanced internalization of magnetic nanoparticles in cancer cells. Nanotechnology, 2009, 20, 115103.	2.6	299
4	Effect of Nature and Particle Size on Properties of Uniform Magnetite and Maghemite Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 18577-18584.	3.1	278
5	Synthesis of Monodisperse Superparamagnetic Fe/Silica Nanospherical Composites. Journal of the American Chemical Society, 2003, 125, 15754-15755.	13.7	242
6	The Iron Oxides Strike Back: From Biomedical Applications to Energy Storage Devices and Photoelectrochemical Water Splitting. Advanced Materials, 2011, 23, 5243-5249.	21.0	211
7	Uniform colloidal particles in solution: Formation mechanisms. Advanced Materials, 1995, 7, 212-216.	21.0	188
8	Metastability of Tetragonal Zirconia Powders. Journal of the American Ceramic Society, 1985, 68, 135-139.	3.8	187
9	Dimercaptosuccinic acid-coated magnetite nanoparticles for magnetically guided in vivo delivery of interferon gamma for cancer immunotherapy. Biomaterials, 2011, 32, 2938-2952.	11.4	170
10	Surface characterisation of dextran-coated iron oxide nanoparticles prepared by laser pyrolysis and coprecipitation. Journal of Magnetism and Magnetic Materials, 2005, 293, 20-27.	2.3	162
11	Controlled synthesis of uniform magnetite nanocrystals with high-quality properties for biomedical applications. Journal of Materials Chemistry, 2012, 22, 21065.	6.7	141
12	Effect of Nanoparticle and Aggregate Size on the Relaxometric Properties of MR Contrast Agents Based on High Quality Magnetite Nanoparticles. Journal of Physical Chemistry B, 2009, 113, 7033-7039.	2.6	131
13	Microemulsion-Assisted Synthesis of Tunable Superparamagnetic Composites. Chemistry of Materials, 2002, 14, 4396-4402.	6.7	97
14	Synthesis of Nanomagnets Dispersed in Colloidal Silica Cages with Applications in Chemical Separation. Langmuir, 2002, 18, 4556-4558.	3.5	80
15	Magnetic Behavior of γ-Fe2O3Nanocrystals Dispersed in Colloidal Silica Particles. Journal of Physical Chemistry B, 2003, 107, 20-24.	2.6	80
16	chapter 5 Synthesis, Properties and Biomedical Applications of Magnetic Nanoparticles. Handbook of Magnetic Materials, 2006, 16, 403-482.	0.6	67
17	Liver and brain imaging through dimercaptosuccinic acid-coated iron oxide nanoparticles. Nanomedicine, 2010, 5, 397-408.	3.3	64
18	Synthesis and surface modification of uniform MFe2O4 (MÂ=ÂFe, Mn, and Co) nanoparticles with tunable sizes and functionalities. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	54

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#	Article	IF	CITATIONS
19	A simple procedure for the preparation of spherical oxide particles by hydrolysis of aerosols. Ceramics International, 1992, 18, 99-106.	4.8	50
20	Cytokine adsorption/release on uniform magnetic nanoparticles for localized drug delivery. Journal of Controlled Release, 2008, 130, 168-174.	9.9	38
21	Yttria-Coated FeCo Magnetic Nanoneedles. Chemistry of Materials, 2004, 16, 3119-3124.	6.7	34
22	Metallic Nanomagnets Randomly Dispersed in Spherical Colloids: Toward a Universal Route for the Preparation of Colloidal Composites Containing Nanoparticles. Angewandte Chemie - International Edition, 2004, 43, 6304-6307.	13.8	26
23	Spherical iron/silica nanocomposites from core-shell particles. Journal of Colloid and Interface Science, 2006, 294, 355-361.	9.4	25
24	Core/Shell Magnetite/Bismuth Oxide Nanocrystals with Tunable Size, Colloidal, and Magnetic Properties. Chemistry of Materials, 2012, 24, 319-324.	6.7	25
25	The influence of protective coatings on the magnetic properties of acicular iron nanoparticles. Nanotechnology, 2006, 17, 1421-1427.	2.6	5
26	Direct aerosol synthesis of carboxy-functionalized iron oxide colloids displaying reversible magnetic behavior. Journal of Colloid and Interface Science, 2007, 309, 68-71.	9.4	4
27	Metallic Nanomagnets Randomly Dispersed in Spherical Colloids: Toward a Universal Route for the Preparation of Colloidal Composites Containing Nanoparticles. Angewandte Chemie, 2004, 116, 6464-6467.	2.0	3
28	Preparation of Magnetic Nanoparticles for Applications in Biomedicine. , 2019, , 52-67.		2