Veronica Blanco Gutierrez

List of Publications by Citations

26 papers	530 citations	13 h-index	23 g-index
27 ext. papers	584 ext. citations	4.8 avg, IF	3.75 L-index

#	Paper	IF	Citations
26	Superparamagnetism and interparticle interactions in ZnFe2O4 nanocrystals. *Journal of Materials Chemistry*, **2012**, 22, 2992		69
25	Magnetic Behavior of ZnFe2O4 Nanoparticles: Effects of a Solid Matrix and the Particle Size. *Journal of Physical Chemistry C*, **2010**, 114, 1789-1795	3.8	59
24	Neutron diffraction study and superparamagnetic behavior of ZnFe2O4 nanoparticles obtained with different conditions. *Journal of Solid State Chemistry*, **2011**, 184, 1608-1613	3.3	56
23	Superparamagnetic Behavior of MFe2O4 Nanoparticles and MFe2O4/SiO2 Composites (M: Co, Ni).. *Journal of Physical Chemistry C*, **2013**, 117, 20927-20935	3.8	41
22	X-ray Absorption Spectroscopy and Mössbauer Spectroscopy Studies of Superparamagnetic ZnFe2O4 Nanoparticles. *Journal of Physical Chemistry C*, **2011**, 115, 1627-1634	3.8	36
21	MFe2O4 (M: Co2+, Ni2+) Nanoparticles: Mössbauer and X-ray Absorption Spectroscopies Studies and High-Temperature Superparamagnetic Behavior. *Journal of Physical Chemistry C*, **2012**, 116, 24331-24339	3.8	30
20	Sub-micrometric CoMoO4 rods: optical and piezochromic properties. *Dalton Transactions*, **2013**, 42, 13622-7	4.3	26
19	CuMo0.9W0.1O4 phase transition with thermochromic, piezochromic, and thermosalient effects. *Journal of Materials Chemistry C*, **2015**, 3, 2918-2924	7.1	25
18	Effect of composition and coating on the interparticle interactions and magnetic hardness of MFeO (M = Fe, Co, Zn) nanoparticles. *Physical Chemistry Chemical Physics*, **2017**, 19, 8363-8372	3.6	24
17	ZnFe2O4Nanoparticles: Different Magnetic Behavior When They Are Hosted in Porous Structures. *Chemistry of Materials*, **2010**, 22, 6130-6137	9.6	23
16	CoMoO4/CuMo0.9W0.1O4 mixture as an efficient piezochromic sensor to detect temperature/pressure shock parameters. *ACS Applied Materials & Interfaces*, **2015**, 7, 7112-7	9.5	19
15	Temperature dependence of superparamagnetism in CoFe2O4 nanoparticles and CoFe2O4/SiO2 nanocomposites. *Physical Chemistry Chemical Physics*, **2016**, 18, 9186-93	3.6	19
14	Synthesis of NiFe2O4-LDH Composites with High Adsorption and Photocatalytic Activity for Methyl Orange Degradation. *Inorganics*, **2018**, 6, 98	2.9	15
13	Understanding the relationships between structural features and optical/magnetic properties when designing Fe(1-x)Mg(x)MoO4 as piezochromic compounds. *Inorganic Chemistry*, **2015**, 54, 2176-84	5.1	13
12	Magnetic CoFe2O4 ferrite for peroxymonosulfate activation for disinfection of wastewater. *Chemical Engineering Journal*, **2020**, 398, 125606	14.7	12
11	Superparamagnetism in CoFe2O4 nanoparticles: An example of a collective magnetic behavior dependent on the medium. *Journal of Alloys and Compounds*, **2018**, 767, 559-566	5.7	9
10	Eu(III)/Eu(II)-doped (Ca0.7Sr0.3)CO3 phosphors with vaterite/calcite/aragonite forms as shock/temperature detectors. *Journal of Materials Chemistry C*, **2014**, 2, 9969-9977	7.1	9

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9	Innovative study of superparamagnetism in 3 nm CoFe2O4 particles. *RSC Advances*, **2016**, 6, 87995-88000	3.7	8
8	Discussion on the Interparticle Interactions in NiFe2O4 and ZnFe2O4 Nanosized Systems Based on the Matrix Effects in the Magnetic Behavior. *Journal of Physical Chemistry C*, **2017**, 121, 4029-4036	3.8	7
7	Magnetic properties of solvothermally synthesized ZnFe2O4nanoparticles. *Journal of Physics: Conference Series*, **2010**, 200, 072013	0.3	7
6	Mesoporous Silica Matrix as a Tool for Minimizing Dipolar Interactions in NiFe□□and ZnFe□□ Nanoparticles. *Nanomaterials*, **2017**, 7,	5.4	6
5	Synthesis, structural and magnetic characterization of the EuNbO2N oxynitride. *Solid State Sciences* , **2008**, 10, 1905-1909	3.4	6
4	Superparamagnetic Behavior at Room Temperature through Crystal Chemistry Modification and Particle Assembly Formation: Zinc and Nickel Ferrite Systems. *Journal of Physical Chemistry C*, **2019**, 123, 16973-16981	3.8	5
3	Phase transitions in Mn(Mo1⊠Wx)O4 oxides under the effect of high pressure and temperature. *Physica Status Solidi (B): Basic Research*, **2016**, 253, 2043-2048	1.3	5
2	Particle size effect on the superconducting properties of YBaCuO particles. *Dalton Transactions*, **2017**, 46, 11698-11703	4.3	1
1	Piezochromic Compounds Able to be Used in Shock Detecting Paints **2016**, 713-724		