

N J O Silva

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

3,488
citations

25
h-index

58
g-index

79
ext. papers

3,854
ext. citations

4.9
avg, IF

4.86
L-index

#	Paper	IF	Citations
75	In situ functionalization of a cellulosic-based activated carbon with magnetic iron oxides for the removal of carbamazepine from wastewater. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 18314-18327	5.1	12
74	Efficient Brownian oscillators and nanoheaters based on gallium-doped γ -Fe ₂ O ₃ . <i>Chemical Communications</i> , 2021 , 57, 2285-2288	5.8	1
73	Magnetic hyperthermia with γ -Fe ₂ O ₃ nanoparticles.. <i>RSC Advances</i> , 2020 , 10, 28786-28797	3.7	14
72	Temperature-responsive nanomagnetic logic gates for cellular hyperthermia. <i>Materials Horizons</i> , 2019 , 6, 524-530	14.4	5
71	Density Gradient Selection of Colloidal Silver Nanotriangles for Assembling Dye-Particle Plasmaphores. <i>Nanomaterials</i> , 2019 , 9,	5.4	4
70	Integrated Optical Mach-Zehnder Interferometer Based on Organic-Inorganic Hybrids for Photonics-on-a-Chip Biosensing Applications. <i>Sensors</i> , 2018 , 18,	3.8	13
69	Implementing Thermometry on Silicon Surfaces Functionalized by Lanthanide-Doped Self-Assembled Polymer Monolayers. <i>Advanced Functional Materials</i> , 2016 , 26, 200-209	15.6	35
68	Influence of the surface termination on the light emission of crystalline silicon nanoparticles. <i>Nanotechnology</i> , 2016 , 27, 325703	3.4	6
67	Nano-Localized Thermal Analysis and Mapping of Surface and Sub-Surface Thermal Properties Using Scanning Thermal Microscopy (SThM). <i>Microscopy and Microanalysis</i> , 2016 , 22, 1270-1280	0.5	12
66	Scanning Thermal Microscopy: Nano-localized Thermal Analysis and Mapping of Surface and Subsurface Thermal Properties. <i>Microscopy and Microanalysis</i> , 2016 , 22, 2-3	0.5	1
65	Bionanocomposites for Magnetic Removal of Water Pollutants. <i>Advanced Structured Materials</i> , 2015 , 279-310	0.6	5
64	Carrageenan-grafted magnetite nanoparticles as recyclable sorbents for dye removal. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	18
63	Contact angles and wettability of ionic liquids on polar and non-polar surfaces. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 31653-31661	3.6	54
62	Cobalt aluminate nanoparticles supported on MIL-101 structure: catalytic performance investigation. <i>RSC Advances</i> , 2015 , 5, 4175-4183	3.7	9
61	Joining time-resolved thermometry and magnetic-induced heating in a single nanoparticle unveils intriguing thermal properties. <i>ACS Nano</i> , 2015 , 9, 3134-42	16.7	106
60	Multifunctional micro- and nanosized metal-organic frameworks assembled from bisphosphonates and lanthanides. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3311	7.1	40
59	Cobalt(II)-pyrazine-chloride coordination polymers: synthesis, reactivity and magnetic properties. <i>CrystEngComm</i> , 2014 , 16, 10439-10444	3.3	9

58	Ratiometric highly sensitive luminescent nanothermometers working in the room temperature range. Applications to heat propagation in nanofluids. <i>Nanoscale</i> , 2013 , 5, 7572-80	7.7	76
57	Magnetically responsive dry fluids. <i>Nanoscale</i> , 2013 , 5, 7229-33	7.7	7
56	Pressure effects in hollow and solid iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 335, 1-5	2.8	1
55	Thermometry at the nanoscale using lanthanide-containing organic-inorganic hybrid materials. <i>Journal of Luminescence</i> , 2013 , 133, 230-232	3.8	52
54	Influence of structural and magnetic properties in the heating performance of multicore bioferrofluids. <i>Physical Review B</i> , 2013 , 88,	3.3	10
53	Metal-Organic Frameworks Assembled From Erbium Tetramers and 2,5-Pyridinedicarboxylic Acid. <i>Crystal Growth and Design</i> , 2013 , 13, 2607-2617	3.5	25
52	Synthesis of cobalt aluminate nanopigments by a non-aqueous sol-gel route. <i>Nanoscale</i> , 2013 , 5, 4277-83	7.7	24
51	Efficient sorbents based on magnetite coated with siliceous hybrid shells for removal of mercury ions. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8134	13	64
50	Shell pressure on the core of MnO/Mn ₃ O ₄ core/shell nanoparticles. <i>Physical Review B</i> , 2013 , 87,	3.3	11
49	Organic-Inorganic Eu(3+)/Tb(3+) codoped hybrid films for temperature mapping in integrated circuits. <i>Frontiers in Chemistry</i> , 2013 , 1, 9	5	33
48	Water-mediated structural tunability of an alkyl/siloxane hybrid: from amorphous material to lamellar structure or bilamellar superstructure. <i>RSC Advances</i> , 2012 , 2, 2087	3.7	21
47	Thermometry at the nanoscale. <i>Nanoscale</i> , 2012 , 4, 4799-829	7.7	1001
46	CoII/ZnII(L-Tyrosine) Magnetic Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5259-5268	2.3	15
45	Texture-induced magnetic interactions in ferrofluids. <i>Journal of Applied Physics</i> , 2012 , 111, 093910	2.5	5
44	A single-source route for the synthesis of metal oxide nanoparticles using vegetable oil solvents. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 8963-8	1.3	5
43	Lanthanide-based luminescent molecular thermometers. <i>New Journal of Chemistry</i> , 2011 , 35, 1177	3.6	234
42	Shifted loops and coercivity from field-imprinted high-energy barriers in ferritin and ferrihydrite nanoparticles. <i>Physical Review B</i> , 2011 , 84,	3.3	24
41	Neutron diffraction and magnetism of CoO antiferromagnetic nanoparticles. <i>Journal of Physics: Conference Series</i> , 2011 , 325, 012020	0.3	4

40	Scaling laws and approximate expressions for the dynamic magnetic susceptibility of Brownian nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 3259-3264	2.8	
39	Magnetic and relaxation properties of multifunctional polymer-based nanostructured bioferrofluids as MRI contrast agents. <i>Magnetic Resonance in Medicine</i> , 2011 , 66, 1715-21	4.4	28
38	Mixed-Metal d-f Phosphonate Frameworks [Photoluminescence and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2035-2044	2.3	23
37	Remanent magnetization in CoO antiferromagnetic nanoparticles. <i>Physical Review B</i> , 2010 , 82,	3.3	18
36	Particle-diameter dependence of the coercive field in FePt nanoparticles with a face-centered tetragonal structure. <i>Journal of Applied Physics</i> , 2010 , 108, 124315	2.5	5
35	A luminescent molecular thermometer for long-term absolute temperature measurements at the nanoscale. <i>Advanced Materials</i> , 2010 , 22, 4499-504	24	359
34	Estimating spontaneous magnetization from a mean field analysis of the magnetic entropy change. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1569-1571	2.8	43
33	Effects of pressure on maghemite nanoparticles with a core/shell structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 2117-2126	2.8	8
32	Temperature dependence of antiferromagnetic susceptibility in ferritin. <i>Physical Review B</i> , 2009 , 79,	3.3	38
31	Radial inhomogeneities induced by fiber diameter in electrically assisted LFZ growth of Bi-2212. <i>Applied Surface Science</i> , 2009 , 255, 5503-5506	6.7	14
30	Akaganeite polymer nanocomposites. <i>Polymer</i> , 2009 , 50, 1088-1094	3.9	25
29	Surface and core magnetic anisotropy in maghemite nanoparticles determined by pressure experiments. <i>Applied Physics Letters</i> , 2009 , 94, 202503	3.4	35
28	Heterometallic complexes involving iron(II) and rhenium(VII) centers connected by mu-oxido bridges. <i>Dalton Transactions</i> , 2009 , 10199-207	4.3	6
27	Superferromagnetism in mechanically alloyed fcc Fe(23)Cu(77) with bimodal cluster size distribution. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 046003	1.8	4
26	Biofunctionalized magnetic hydrogel nanospheres of magnetite and kappa-carrageenan. <i>Nanotechnology</i> , 2009 , 20, 355602	3.4	35
25	Effects of pressure on magnetic properties of ferrihydrite antiferromagnetic nanoparticles. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 042098	0.3	1
24	Polymer encapsulation effects on the magnetism of EuS nanocrystals. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4572		23
23	Photopatternable Di-ureasilZirconium Oxocluster OrganicInorganic Hybrids As Cost Effective Integrated Optical Substrates. <i>Chemistry of Materials</i> , 2008 , 20, 3696-3705	9.6	35

22	Evidence of random magnetic anisotropy in ferrihydrite nanoparticles based on analysis of statistical distributions. <i>Physical Review B</i> , 2008 , 77,	3.3	20
21	Comment on "Magnetization reversal in europium sulfide nanocrystals" [Appl. Phys. Lett. 89, 222501 (2006)]. <i>Applied Physics Letters</i> , 2008 , 92, 026102	3.4	2
20	Electro-precipitation of Fe ₃ O ₄ nanoparticles in ethanol. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 2311-2315	2.8	65
19	Nanosopic Photoluminescence Memory as a Fingerprint of Complexity in Self-Assembled Alkyl/Siloxane Hybrids. <i>Advanced Materials</i> , 2007 , 19, 341-348	2.4	81
18	Multiple-length-scale small-angle X-ray scattering analysis on maghemite nanocomposites. <i>Journal of Applied Crystallography</i> , 2007 , 40, s696-s700	3.8	7
17	Surface effects in maghemite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 312, L5-L9	2.8	162
16	A mean-field scaling method for first- and second-order phase transition ferromagnets and its application in magnetocaloric studies. <i>Applied Physics Letters</i> , 2007 , 91, 172503	3.4	56
15	Structural and magnetic studies in ferrihydrite nanoparticles formed within organic-inorganic hybrid matrices. <i>Journal of Applied Physics</i> , 2006 , 100, 054301	2.5	15
14	Structure-photoluminescence relationship in Eu(III) diketonate-based organic-inorganic hybrids. Influence of the synthesis method: carboxylic acid solvolysis versus conventional hydrolysis. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3117		81
13	Matrix assisted formation of ferrihydrite nanoparticles in a siloxane/poly(oxyethylene) nanohybrid. <i>Journal of Materials Chemistry</i> , 2005 , 15, 484		16
12	Local structure and near-infrared emission features of neodymium-based amine functionalized organic/inorganic hybrids. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 20093-104	3.4	51
11	Magnetic behavior of iron (III) oxyhydroxy nanoparticles in organic-inorganic hybrid matrices. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 962-965	2.8	2
10	Synthesis, characterisation and magnetic properties of cobalt (II) complexes with 3-hydroxypicolinic acid (HpicOH): [Co(picOH) ₂ (H ₂ O) ₂] and mer-[N(CH ₃) ₄][Co(picOH) ₃] · H ₂ O. <i>Polyhedron</i> , 2005 , 24, 563-569	2.7	24
9	Synthesis, characterisation and magnetic properties of copper(II) complexes with 3-hydroxypicolinic acid (HpicOH): the crystal structure of [Cu(picOH) ₂ (BPE)] ₂ · [Cu(picOH) ₂ (BPE) ₂] · BH ₂ O. <i>Journal of Molecular Structure</i> , 2005 , 737, 221-229	3.4	20
8	Relevance of magnetic moment distribution and scaling law methods to study the magnetic behavior of antiferromagnetic nanoparticles: Application to ferritin. <i>Physical Review B</i> , 2005 , 71,	3.3	75
7	Comment on "thermoinduced magnetization in nanoparticles of antiferromagnetic materials". <i>Physical Review Letters</i> , 2005 , 94, 039707; author reply 039708	7.4	15
6	Photoluminescence and Quantum Yields of Urea and Urethane Cross-Linked Nanohybrids Derived from Carboxylic Acid Solvolysis. <i>Chemistry of Materials</i> , 2004 , 16, 1507-1516	9.6	95
5	Ferrihydrite antiferromagnetic nanoparticles in a sol-gel derived organic-inorganic matrix. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1549-1550	2.8	14

4	Effect of presence of an acid catalyst on structure and properties of iron-doped siloxane-polyoxyethylene nanocomposites prepared by sol-gel. <i>Journal of Non-Crystalline Solids</i> , 2004 , 345-346, 585-590	3.9	8
3	Structure of magnetic poly(oxyethylene)siloxane nanohybrids doped with Fe ^{II} and Fe ^{III} . <i>Journal of Applied Crystallography</i> , 2003 , 36, 961-966	3.8	8
2	Magnetic properties of Fe-doped organic/inorganic nanohybrids. <i>Journal of Applied Physics</i> , 2003 , 93, 6978-6980	2.5	14
1	Magnetic Sol-Gel Derived Poly(oxyethylene)- Siloxane Nanohybrids. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 726, 1		1