

Silvana J Stewart

List of Publications by Year in descending order

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48
papers

1,279
citations

331670

21
h-index

361022

35
g-index

48
all docs

48
docs citations

48
times ranked

2121
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-containing TiO ₂ photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2006, 65, 309-314.	20.2	146
2	Alternative low-cost approach to the synthesis of magnetic iron oxide nanoparticles by thermal decomposition of organic precursors. <i>Nanotechnology</i> , 2013, 24, 175601.	2.6	88
3	Influence of N-Doping on the Structure and Electronic Properties of Titania Nanoparticle Photocatalysts. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16482-16486.	2.6	83
4	Oxygen-vacancy-induced local ferromagnetism as a driving mechanism in enhancing the magnetic response of ferrites. <i>Physical Review B</i> , 2014, 89, .	3.2	80
5	Magnetic interactions in hematite small particles obtained by ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 205, 234-240.	2.3	56
6	Magnetic ZnFe ₂ O ₄ nanoferrites studied by X-ray magnetic circular dichroism and Mössbauer spectroscopy. <i>Physica B: Condensed Matter</i> , 2007, 389, 155-158.	2.7	52
7	Structural and magnetic study of zinc-doped magnetite nanoparticles and ferrofluids for hyperthermia applications. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 125006.	2.8	51
8	Effect of ion doping on CuO magnetism. <i>Journal of Applied Physics</i> , 2000, 87, 4870-4872.	2.5	47
9	Local structure and magnetic behaviour of Fe-doped TiO ₂ /anatase nanoparticles: experiments and calculations. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 135210.	1.8	47
10	Magnetic behavior of nanosized cupric oxide. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 1513-1515.	2.3	46
11	Magnetic size growth in nanocrystalline copper ferrite. <i>Solid State Communications</i> , 2004, 129, 347-351.	1.9	46
12	Effects of milling-induced disorder on the lattice parameters and magnetic properties of hematite. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 260, 447-454.	2.3	43
13	Magnetic properties and ⁵⁷ Fe Mössbauer spectroscopy of Mediterranean prehistoric obsidians for provenance studies. <i>Journal of Non-Crystalline Solids</i> , 2003, 323, 188-192.	3.1	34
14	Degradation of methylene blue dye under dark and visible light conditions in presence of hybrid composites of nanostructured MgFe ₂ O ₄ ferrites and oxygenated organic compounds. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104274.	6.7	29
15	Influence of Zinc Doping on the Structural and Magnetic Properties of $\hat{\Gamma}$ -Fe ₂ O ₃ . <i>Journal of Solid State Chemistry</i> , 2001, 156, 408-414.	2.9	28
16	Thermal Evolution of Pt-Rich FePt/Fe ₃ O ₄ Heterodimers Studied Using X-ray Absorption Near-Edge Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5500-5508.	3.1	28
17	Structural and magnetic studies of nanocrystalline Mg-doped Li _{0.5} Fe _{2.5} O ₄ particles prepared by mechanical milling. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 165006.	2.8	26
18	Thermal dependence of the magnetization of antiferromagnetic copper(II) oxide nanoparticles. <i>Solid State Communications</i> , 2004, 130, 247-251.	1.9	24

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19	A structural and Mössbauer study of Y ₃ Fe ₅ O ₁₂ nanoparticles prepared with high energy ball milling and subsequent sintering. <i>Hyperfine Interactions</i> , 2008, 183, 87-92.	0.5	24
20	Synthesis and magnetic characterization of magnetite particles embedded in mesoporous MCM-41. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 306, 30-34.	2.3	23
21	First XANES evidence of a disorder→order transition in a spinel ferrite compound: nanocrystalline ZnFe ₂ O ₄ . <i>Journal of Synchrotron Radiation</i> , 2009, 16, 63-68.	2.4	21
22	The Formation of Nanocrystalline SrFeO ₃ Using Mechano-Synthesis and Subsequent Sintering: Structural and Mössbauer Studies. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2510-2517.	0.9	20
23	Role of defects on the magnetic behaviour of the geometrically frustrated spinel ZnFe ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2018, 752, 289-295.	5.5	20
24	Phase stability and magnetic behavior of Fe-doped CuO powders. <i>Physical Review B</i> , 1998, 57, 4983-4986.	3.2	19
25	Druse clinopyroxene in D'Orbigny angritic meteorite studied by single-crystal X-ray diffraction, electron microprobe analysis, and Mössbauer spectroscopy. <i>Meteoritics and Planetary Science</i> , 2009, 44, 581-587.	1.6	16
26	Non-equilibrium cation influence on the Néel temperature in ZnFe ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2010, 495, 506-508.	5.5	15
27	Experimental and ab initio study of the hyperfine parameters of ZnFe ₂ O ₄ with defects. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	15
28	Effect of activation atmosphere in the Fischer-Tropsch Synthesis using a "quasi-model" catalyst of γ -Fe ₂ O ₃ nanoparticles supported on SBA-15. <i>Journal of Catalysis</i> , 2016, 335, 36-46.	6.2	14
29	Design of magnetic hybrid nanostructured lipid carriers containing 1,8-cineole as delivery systems for anticancer drugs: Physicochemical and cytotoxic studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 202, 111710.	5.0	13
30	Mössbauer study of Fe-Zn-O phases. <i>Solid State Communications</i> , 1995, 96, 485-490.	1.9	12
31	Dynamic magnetic behavior of cluster-glass ZnFe ₂ O ₄ nanosystem. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e324-e326.	2.3	12
32	Phase transformations in Fe-doped cupric oxide. <i>Journal of Physics and Chemistry of Solids</i> , 1997, 58, 73-77.	4.0	11
33	History-dependent magnetic properties in pure and Zn-doped cupric oxide. <i>Solid State Communications</i> , 2001, 117, 311-314.	1.9	10
34	Microstructural and magnetic characterization of nanostructured γ -Fe ₂ O ₃ and CuO mixtures obtained by ball milling. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 1743-1757.	1.8	10
35	Paramagnetism and clustering in Fe-doped TiO ₂ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2010, 495, 485-487.	5.5	10
36	Shifting the Superparamagnetic Limit of Nanosized Copper Iron Spinel. <i>Hyperfine Interactions</i> , 2004, 156/157, 89-95.	0.5	7

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37	Synthesis of hematite nanowires using a mesoporous hard template. <i>Hyperfine Interactions</i> , 2010, 195, 93-98.	0.5	7
38	Lithium insertion in compounds of the type $\text{Li}_{1-x}\text{Fe}_2\text{Ti}_x\text{O}_3$. <i>Solid State Communications</i> , 2001, 117, 235-238.	1.9	6
39	Coordination and electronic spin state of iron in Fe-doped Y_2BaCuO_5 . <i>Journal of Magnetism and Magnetic Materials</i> , 1994, 138, 147-152.	2.3	5
40	Magnetic disorder in the $\text{Cu}_{0.995}\text{Fe}_{0.005}\text{O}$ solid solution. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 192, 77-82.	2.3	5
41	On the deviation from a Curie-Weiss behavior of the ZnFe_2O_4 susceptibility: A combined ab-initio and Monte-Carlo approach. <i>Heliyon</i> , 2019, 5, e01170.	3.2	5
42	Effect of nanostructured ferrites MFe_2O_4 (M= Cu, Co, Mg, Zn) on the thermal decomposition of ammonium nitrate. <i>Applications in Energy and Combustion Science</i> , 2021, 6, 100026.	1.5	5
43	Magnetic ordering in Fe-doped $\text{Gd}_2\text{BaCuO}_5$. <i>Hyperfine Interactions</i> , 1994, 83, 419-424.	0.5	4
44	Structural and magnetic study of nanostructured $(\text{Fe}_{79}\text{Mn}_{21})_{80}\text{Cu}_{20}$ alloy synthesized by ball milling. <i>Physica B: Condensed Matter</i> , 2004, 354, 133-136.	2.7	4
45	Bi-Magnetic Iron(III) Oxide Nanocrystals Embedded in MCM-41 Mesoporous Silica. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2993-3000.	3.1	4
46	Grain growth of CuO nanocrystal activated by high energy ball milling. <i>Physica B: Condensed Matter</i> , 2007, 389, 135-139.	2.7	3
47	Effects of coexisting spin disorder and antiferromagnetism on the magnetic behavior of nanostructured $(\text{Fe}_{79}\text{Mn}_{21})_{1-x}\text{Cu}_x$ alloys. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	3
48	Changes on structural and magnetic properties of maghemite nanoparticles during their coverage with MCM-41. <i>Ceramics International</i> , 2015, 41, 15057-15066.	4.8	2