

Aderbal C Oliveira

List of Publications by Year in descending order

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89
papers

1,356
citations

394421

19
h-index

377865

34
g-index

89
all docs

89
docs citations

89
times ranked

1753
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of size-controlled cobalt-ferrite-based ionic ferrofluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 225, 37-40.	2.3	150
2	Influence of the Mg-content on the cation distribution in cubic Mg Fe ₃ O ₄ nanoparticles. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2423-2429.	2.9	109
3	Aging Investigation of Cobalt Ferrite Nanoparticles in Low pH Magnetic Fluid. <i>Langmuir</i> , 2007, 23, 9611-9617.	3.5	91
4	Raman study of cations' distribution in Zn x Mg _{1-x} Fe ₂ O ₄ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	78
5	Preparation of Magnetite Nanoparticles in Mesoporous Copolymer Template. <i>Nano Letters</i> , 2001, 1, 105-108.	9.1	67
6	Enhancement of electrochemical behavior of nanostructured LiFePO ₄ /Carbon cathode material with excess Li. <i>Journal of Power Sources</i> , 2016, 306, 17-23.	7.8	53
7	Structural stability study of cobalt ferrite-based nanoparticle using micro Raman spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2357-2358.	2.3	52
8	Enhanced electrochemical performance of graphene modified LiFePO ₄ cathode material for lithium ion batteries. <i>Solid State Ionics</i> , 2013, 253, 94-100.	2.7	43
9	Effect of the Zn content in the structural and magnetic properties of Zn _x Mg _{1-x} Fe ₂ O ₄ mixed ferrites monitored by Raman and Mössbauer spectroscopies. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	40
10	Spectroscopic Study of Maghemite Nanoparticles Surface-Grafted with DMSA. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1003-1008.	2.5	37
11	Magnetic chitosan-functionalized Fe ₃ O ₄ @Au nanoparticles: Synthesis and characterization. <i>Journal of Alloys and Compounds</i> , 2016, 684, 68-74.	5.5	33
12	Effects of fatty acid surfactants on the magnetic and magnetohydrodynamic properties of ferrofluids. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	30
13	Effect of surfactants on the electrochemical behavior of LiFePO ₄ cathode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2014, 265, 67-74.	7.8	28
14	Synthesis and characterization of uncoated and gold-coated magnetite nanoparticles. <i>Hyperfine Interactions</i> , 2014, 224, 179-188.	0.5	26
15	Photoacoustic spectroscopy of magnetic fluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 252, 56-58.	2.3	24
16	Optical and magnetic properties of Co-doped ZnO nanoparticles and the onset of ferromagnetic order. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	24
17	Superparamagnetic nanoparticles stabilized with free-radical polymerizable oleic acid-based coating. <i>Journal of Alloys and Compounds</i> , 2018, 739, 1025-1036.	5.5	24
18	Synthesis of CaFe ₂ O ₄ -NGO Nanocomposite for Effective Removal of Heavy Metal Ion and Photocatalytic Degradation of Organic Pollutants. <i>Nanomaterials</i> , 2021, 11, 1471.	4.1	24

#	ARTICLE	IF	CITATIONS
19	Magnetic interactions in cubic iron oxide magnetic nanoparticle bound to zeolite. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 98-102.	2.3	21
20	Gadolinium ferrite nanoparticles: Synthesis and morphological, structural and magnetic properties. <i>Ceramics International</i> , 2017, 43, 4042-4047.	4.8	21
21	Enhanced electrochemical performance of LiFePO ₄ /C nanocomposites due to in situ formation of Fe ₂ P impurities. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2275-2282.	2.5	20
22	Photoacoustic spectroscopy: A promising technique to investigate magnetic fluids. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 2654-2656.	2.1	19
23	Mössbauer study of the effect of pH on Fe valence in iron-polygalacturonate as a medicine for human anaemia. <i>Radiation Physics and Chemistry</i> , 2015, 107, 195-198.	2.8	16
24	Surface passivation and characterization of cobalt-ferrite nanoparticles. <i>Surface Science</i> , 2005, 575, 12-16.	1.9	13
25	Use of the photoacoustic spectroscopy in the investigation of the dilution process in surface-coated nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3692-3696.	3.1	13
26	Nuclear magnetic resonance of ⁵¹ V (I=7/2) in lanthanide vanadates: II. The nuclear electric quadrupole interaction. <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 5293-5303.	1.5	12
27	Obtaining superhydrophobic magnetic nanoparticles applicable in the removal of oils on aqueous surface. <i>Materials Chemistry and Physics</i> , 2017, 200, 204-216.	4.0	12
28	Nuclear magnetic resonance of ⁵¹ V (I=7/2) in lanthanide vanadates: I. The paramagnetic shifts. <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 5275-5291.	1.5	11
29	Susceptibility of cobalt ferrite nanoparticles dispersed in polylactic acid microspheres. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E1195-E1196.	2.3	11
30	Study of magnetic susceptibility of magnetite nanoparticles. <i>Journal of Applied Physics</i> , 2003, 93, 6963-6965.	2.5	10
31	Characterization of tetraethylene glycol passivated iron nanoparticles. <i>Applied Surface Science</i> , 2014, 315, 337-345.	6.1	10
32	Particles that slide over the water surface: Synthesis and characterization of iron oxides particles coated with PDMS, with hydrophobic and magnetic properties. <i>Materials Chemistry and Physics</i> , 2015, 162, 100-105.	4.0	10
33	Photoacoustic spectroscopy of cobalt ferrite-based magnetic fluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2335-2336.	2.3	9
34	Synthesis of magnetite nanoparticles in hydrophobic styrene-divinylbenzene copolymer templates. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 289, 25-27.	2.3	9
35	Magnetic and optical investigation of 40SiO ₂ ·30Na ₂ O·1Al ₂ O ₃ ·(29-x)B ₂ O ₃ ·xFe ₂ O ₃ glass matrix. <i>Solid State Sciences</i> , 2012, 14, 1169-1174.	3.2	9
36	Fine structure of gold nanoparticles stabilized by buthlydithiol: Species identified by Mössbauer spectroscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 260-266.	4.7	9

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37	Mössbauer study of iron-nitride-based magnetic fluid. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2326-2327.	2.3	8
38	Size dependence of the magnetic and hyperfine properties of nanostructured hematite ($\alpha\text{-Fe}_2\text{O}_3$) powders prepared by the ball milling technique. <i>Hyperfine Interactions</i> , 2014, 224, 189-196.	0.5	8
39	Use of the photoacoustic spectroscopy in the investigation of biocompatible magnetic fluids. <i>European Physical Journal Special Topics</i> , 2005, 125, 27-30.	0.2	8
40	Radio of the nuclear electric quadrupole moments of ^{50}V ($I = 6$) and. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 84, 32-35.	2.1	7
41	Nuclear magnetic resonance of ^{51}V ($I=7/2$) in lanthanide vanadates: III. The antiferromagnetic phases of GdVO_4 and DyVO_4 . <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 5305-5319.	1.5	7
42	Use of the photoacoustic spectroscopy for surface characterization of nanometer-sized cobalt-ferrite particles. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 3382-3384.	2.1	7
43	Photoacoustic Study of Fungal Disease of Acai (<i>Euterpe oleracea</i>) Seeds. <i>International Journal of Thermophysics</i> , 2009, 30, 1616-1625.	2.1	7
44	Size-modulation of thermally-annealed nanosized cobalt ferrite particles. <i>Physics Procedia</i> , 2010, 9, 10-14.	1.2	7
45	Mössbauer and Raman spectroscopic study of oxidation and reduction of iron oxide nanoparticles promoted by various carboxylic acid layers. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 111-119.	1.5	7
46	Magnetic susceptibility investigation of magnetic nanoparticles in styrene-divinylbenzene mesoporous template. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 252, 77-79.	2.3	6
47	Fe^{2+} and Fe^{3+} adsorption on 2-vinylpyridine-divinylbenzene copolymers and acrylonitrile-methyl methacrylate-divinylbenzene terpolymers. <i>Journal of Applied Polymer Science</i> , 2003, 89, 3905-3912.	2.6	6
48	Investigation of the size-effect in cobalt-ferrite nanoparticles using photoacoustic spectroscopy. <i>European Physical Journal Special Topics</i> , 2005, 125, 505-508.	0.2	6
49	Magnetic characterization of maghemite nanoparticles dispersed in surface-treated polymeric template. <i>Hyperfine Interactions</i> , 2007, 176, 113-117.	0.5	6
50	New Magnetic Fluid Developed with Natural Organic Compounds Biocompatible. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4757-4761.	0.9	6
51	Synthesis, structure, morphology and stoichiometry characterization of cluster and nano magnetite. <i>Materials Chemistry and Physics</i> , 2016, 178, 182-189.	4.0	6
52	Variation of the sublattice magnetisation in antiferromagnetic GdVO_4 with temperature from the NMR of ^{51}V , $I=7/2$. <i>Journal of Physics C: Solid State Physics</i> , 1981, 14, L505-L508.	1.5	5
53	Resonant photoacoustic cell for low temperature measurements. <i>Cryogenics</i> , 1999, 39, 193-195.	1.7	5
54	Evaluation of $\text{Fe}/\text{MCM-41}$ catalysts in the water gas shift reaction. <i>Studies in Surface Science and Catalysis</i> , 2004, 154, 2417-2424.	1.5	5

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55	Mössbauer investigation of maghemite-based glycolic acid nanocomposite. <i>Hyperfine Interactions</i> , 2007, 175, 71-75.	0.5	5
56	Preparation and characterization of novel [Fe(methylisopropylglyoximato)2(amine)2] mixed chelates. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 745-750.	1.5	5
57	Nuclear electric quadrupole interaction in LnVO ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 1983, 31-34, 745-746.	2.3	4
58	Photoacoustic investigation of copaiba oil. <i>European Physical Journal: Special Topics</i> , 2008, 153, 523-526.	2.6	4
59	Dynamic Susceptibility Investigation of Maghemite Nanoparticles Incorporated in Bovine Serum Albumin Template. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2684-2687.	0.9	4
60	Facile Method to Tune the Particle Size and Thermal Stability of Magnetite Nanoparticles. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	4
61	Mössbauer study of the effect of rare earth substitution into montmorillonite. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	4
62	Mössbauer study of pH dependence of iron-intercalation in montmorillonite. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	4
63	Mössbauer, XRD and TEM Study on the Intercalation and the Release of Drugs in/from Layered Double Hydroxides. <i>Croatica Chemica Acta</i> , 2015, 88, 369-376.	0.4	4
64	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2000, 246, 61-68.	1.5	3
65	Title is missing!. <i>Hyperfine Interactions</i> , 2002, 139/140, 561-568.	0.5	3
66	Nanoscaled biocompatible magnetic drug-delivery system: preparation and characterization. <i>Hyperfine Interactions</i> , 2009, 190, 87-93.	0.5	3
67	Tailoring Magnetic Nanoparticle for Transformers Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 1251-1254.	0.9	3
68	Mössbauer study of stability and growth confinement of magnetic Fe ₃ O ₄ drug carrier. <i>Hyperfine Interactions</i> , 2015, 232, 79-85.	0.5	3
69	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2000, 246, 313-316.	1.5	2
70	Optical and Mössbauer Study of Brazilian Emeralds. <i>Physica Status Solidi A</i> , 2002, 194, 36-46.	1.7	2
71	Characterization of magnetite nanoparticles supported in sulfonated styrene-divinylbenzene mesoporous copolymer. <i>Hyperfine Interactions</i> , 2009, 191, 87-93.	0.5	2
72	Magnetic properties of ⁵⁷ Fe-Fe ₂ O ₃ nanoparticles encapsulated in surface-treated polymer spheres. <i>Hyperfine Interactions</i> , 2010, 195, 149-154.	0.5	2

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73	Quadrupolar hyperfine anisotropy in potassium dithioferrate. <i>Physica Status Solidi (B): Basic Research</i> , 1977, 84, k17.	1.5	1
74	Mössbauer Study of Sedimentary Rocks from King George Island, Antarctica. <i>Hyperfine Interactions</i> , 2002, 141/142, 327-335.	0.5	1
75	The effect of the particle concentration in biocompatible magnetic fluids: A dynamical susceptibility investigation. <i>Journal of Alloys and Compounds</i> , 2007, 434-435, 608-610.	5.5	1
76	Mössbauer investigation of magnetite nanoparticles incorporated in a mesoporous polymeric template. <i>Hyperfine Interactions</i> , 2007, 175, 91-94.	0.5	1
77	Photoacoustic spectroscopy of Baru "Dipteryx alata Vog. <i>European Physical Journal: Special Topics</i> , 2008, 153, 543-546.	2.6	1
78	Mössbauer characterization of surface-coated magnetic nanoparticles for applications in transformers. <i>Hyperfine Interactions</i> , 2010, 195, 99-104.	0.5	1
79	Mössbauer Characterization of Magnetite-Polyaniline Magnetic Nanocomposite. , 2010, , .		1
80	Time-modulation of surface functionalization in biocompatible magnetic fluids. <i>Journal of Alloys and Compounds</i> , 2010, 495, 545-547.	5.5	1
81	Structural and Mössbauer spectroscopy characterization of bulk and nanostructured TiFe _{0.5} Ni _{0.5} /graphite compounds and their hydrides. <i>Hyperfine Interactions</i> , 2015, 232, 149-156.	0.5	1
82	Superparamagnetic iron oxide nanoparticles (SPIONs) for targeted drug delivery. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
83	NMR of ⁵¹ V in antiferromagnetic GdVO ₄ and DyVO ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 1983, 31-34, 713-714.	2.3	0
84	Novel magnetometer using ceramic superconducting material as probe. <i>Cryogenics</i> , 1989, 29, 155-156.	1.7	0
85	Dynamic Susceptibility Investigation of Magnetite-Based Biocompatible Magnetic Fluids. <i>IEEE Transactions on Magnetics</i> , 2004, 40, 3030-3032.	2.1	0
86	Dynamic susceptibility investigation of biocompatible magnetic fluids: The surface coating effect. <i>Journal of Applied Physics</i> , 2005, 97, 10Q911.	2.5	0
87	Hidrogeochemical study in South Amazon region using Photoacoustic Spectroscopy. <i>European Physical Journal: Special Topics</i> , 2008, 153, 45-48.	2.6	0
88	RF Susceptibility Measurements of Magnetite Nanoparticles System. , 2010, , .		0
89	¹¹⁹ Sn CEMS study of Sb doped SnO ₂ film. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	0