

Laudemir Carlos Varanda

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47
papers

848
citations

19
h-index

27
g-index

51
ext. papers

958
ext. citations

4.6
avg, IF

4.31
L-index

#	Paper	IF	Citations
47	Carbon-Supported Pt ₁₀ Catalysts Prepared by a Modified Polyol Process as Cathodes for PEM Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3146-3151	3.8	102
46	Self-assembled FePt nanocrystals with large coercivity: reduction of the fcc-to-L1(0) ordering temperature. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11062-6	16.4	71
45	Co-precipitation synthesis of (Zn-Mn)-co-doped magnetite nanoparticles and their application in magnetic hyperthermia. <i>Journal of Alloys and Compounds</i> , 2019 , 779, 698-705	5.7	53
44	Structural and magnetic transformation of monodispersed iron oxide particles in a reducing atmosphere. <i>Journal of Applied Physics</i> , 2002 , 92, 2079-2085	2.5	52
43	The aerosol OT+n-butanol+n-heptane+water system: phase behavior, structure characterization, and application to Pt ₇₀ Fe ₃₀ nanoparticle synthesis. <i>Langmuir</i> , 2007 , 23, 11015-20	4	39
42	Monodispersed spindle-type goethite nanoparticles from Fe(III) solutions. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3649-3653		39
41	Soft nanocomposites of gelatin and poly(3-hydroxybutyrate) nanoparticles for dual drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 191-198	6	28
40	Strontium zirconate heterogeneous catalyst for biodiesel production: Synthesis, characterization and catalytic activity evaluation. <i>Applied Catalysis A: General</i> , 2012 , 445-446, 76-82	5.1	26
39	Bismuth and cerium doped cryptomelane-type manganese dioxide nanorods as bifunctional catalysts for rechargeable alkaline metal-air batteries. <i>Applied Catalysis B: Environmental</i> , 2019 , 258, 118014	21.8	25
38	Electrocatalytic activity of platinum nanoparticles supported on different phases of tungsten carbides for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 20677-20688	6.7	24
37	Formation Mechanism via a Heterocoagulation Approach of FePt Nanoparticles Using the Modified Polyol Process. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10475-10482	3.8	24
36	Electrocatalytic Activity of Different Phases of Molybdenum Carbide/Carbon and Platinum/Molybdenum Carbide/Carbon Composites toward the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2016 , 3, 1570-1579	4.3	23
35	Sisal cellulose and magnetite nanoparticles: formation and properties of magnetic hybrid films. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 2170-2179	5.5	22
34	Synthesis and Electrochemical Behavior of Single-Crystal Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 5301-5306	3.8	22
33	Silver nanoparticles synthesized by thermal reduction of a silver(I)-spartame complex in inert atmosphere. <i>Materials Letters</i> , 2005 , 59, 3585-3589	3.3	21
32	Magnetic properties of spindle-type iron fine particles obtained from hematite. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1933-1935	2.8	21
31	A general one-pot synthetic strategy to reduced graphene oxide (rGO) and rGO-nanoparticle hybrid materials. <i>Carbon</i> , 2019 , 143, 73-84	10.4	21

30	Iron Oxide Versus Fe ₅₅ Pt ₄₅ /Fe ₃ O ₄ : Improved Magnetic Properties of Core/Shell Nanoparticles for Biomedical Applications. <i>IEEE Transactions on Magnetism</i> , 2008 , 44, 4448-4451	2.1	20
29	Size and shape-controlled nanomaterials based on modified polyol and thermal decomposition approaches. A brief review.. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019 , 91,	1.4	19
28	Dextran-Coated Antiferromagnetic MnO Nanoparticles for a T1-MRI Contrast Agent with High Colloidal Stability. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 167-176	3.1	19
27	Magnetic properties of acicular ultrafine iron particles. <i>IEEE Transactions on Magnetism</i> , 2002 , 38, 1907-1909		17
26	Perpendicularly self-oriented and shape-controlled L10-FePt nanorods directly synthesized by a temperature-modulated process. <i>Nano Research</i> , 2011 , 4, 666-674	10	15
25	Temperature dependence and magnetocrystalline anisotropy studies of self-assembled L10-Fe ₅₅ Pt ₄₅ ferromagnetic nanocrystals. <i>Journal of Applied Physics</i> , 2007 , 101, 123918	2.5	13
24	Investigation of the systems silica and silica containing chromium in alcohol medium. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 141-145	3.9	13
23	Magneto-plasmonic Au-Coated Co nanoparticles synthesized via hot-injection method. <i>Nanotechnology</i> , 2018 , 29, 065604	3.4	12
22	Magnetic properties of acicular Fe _{1-x} RE _x (RE = Nd, Sm, Eu, Tb; x = 0, 0.05, 0.10) metallic nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 112, 188-193	3.1	12
21	In situ solid state oxidation reaction for La _{1-x} Sr _x MnO ₃ (x=0, 0.1, 0.2 and 0.3) formation. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 812-814	2.8	10
20	Nanoparticle synthesis of La _{1-x} Sr _x MnO ₃ (0.1, 0.2 and 0.3) perovskites. <i>IEEE Transactions on Magnetism</i> , 2002 , 38, 2892-2894	2	10
19	X-ray powder data and bond valence of La _{0.65} Sr _{0.35} MnO ₃ after Rietveld refinement. <i>Powder Diffraction</i> , 2002 , 17, 149-152	1.8	10
18	Multifunctional luminomagnetic FePt@Fe ₃ O ₄ /SiO ₂ /Rhodamine B/SiO ₂ nanoparticles with high magnetic emanation for biomedical applications. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	9
17	The change in magnetic properties of Fe ₃ Al compound due to substitution of Fe by Co. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 769-770	2.8	7
16	Structural phase transition study of FePt alloys using ab initio calculation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 167-168	5.3	6
15	Thermal and Crystallographic Studies of Mixture La ₂ O ₃ -SrO Prepared Via Reaction in the Solid State. <i>Magyar Árvad Kélemlenyek</i> , 1999 , 56, 143-149	0	6
14	Inorganic and organic/inorganic composite nanoparticles with potential biomedical applications: synthesis challenges for enhanced performance 2019 , 47-99		5
13	Gold nanowire growth through stacking fault mechanism by oleylamine-mediated synthesis. <i>Nanoscale</i> , 2020 , 12, 13316-13329	7.7	4

12	Luminomagnetic Silica-Coated Heterodimers of Core/Shell FePt/Fe ₃ O ₄ and CdSe Quantum Dots as Potential Biomedical Sensor. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-9	3.2	4
11	Partículas nanométricas de ferritas de Erio. <i>Química Nova</i> , 1999 , 22, 783-786	1.6	4
10	Preparation of Poly(3-hydroxybutyrate) Micro- and Nanoparticles as Hydrophobic Drugs Carrier Using Self-emulsifying Nanoemulsion Method. <i>British Journal of Pharmaceutical Research</i> , 2016 , 12, 1-14		3
9	Aqueous synthesis of magnetite nanoparticles for magnetic hyperthermia: Formation mechanism approach, high water-dispersity and stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 627, 127169	5.1	3
8	Catalytic hydrogenation of organic dyes by Ag nanoparticles on reduced graphene oxide. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 103, 124-135	6.3	3
7	Magnetic and Multifunctional Magnetic Nanoparticles in Nanomedicine: Challenges and Trends in Synthesis and Surface Engineering for Diagnostic and Therapy Applications 2011 ,		2
6	Yttrium iron garnet heterocoagulated by silica. <i>IEEE Transactions on Magnetics</i> , 2002 , 38, 2625-2627	2	2
5	Hypericin-loaded oil-in-water nanoemulsion synthesized by ultrasonication process enhances photodynamic therapy efficiency. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021 , 223, 112303	6.7	2
4	Paper-Based Microfluidics Immunoassay for Detection of Canine Distemper Virus. <i>Brazilian Archives of Biology and Technology</i> , 2017 , 60,	1.8	1
3	Colloidal Particles: Spherical Yttrium Iron Garnet. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 517, 583		1
2	Morphology of alumina: a comparison between infrared spectroscopy and X-ray diffractometry. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 227-231	3.9	1
1	First row transition metals on the ethanol Guerbet reaction: Products distribution and structural behavior of mixed metal oxides as catalysts. <i>Applied Catalysis A: General</i> , 2021 , 623, 118272	5.1	1