

Luis Alfonso Garcia-Cerda

List of Publications by Year in descending order

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60
papers

1,453
citations

304368

22
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344852

36
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all docs

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docs citations

62
times ranked

2342
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetic Growth of Hydroxyapatite on SiO ₂ Microspheres to Improve Its Biocompatibility and Gentamicin Loading Capacity. <i>Materials</i> , 2021, 14, 6941.	1.3	5
2	Amine-impregnated natural zeolite as filler in mixed matrix membranes for CO ₂ /CH ₄ separation. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48286.	1.3	12
3	Polyamine-decorated mesocellular silica foam nanocomposites: Effect of the reaction parameters on the grafted polymer content and silica mesostructure. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 94, 118-126.	1.1	9
4	Relationship between morphology, porosity, and the photocatalytic activity of TiO ₂ obtained by sol-gel method assisted with ionic and nonionic surfactants. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2020, 59, 209-218.	0.9	36
5	Preparation and characterization of nanocomposites based on poly(N-vinylcaprolactam) and magnetic nanoparticles for using as drug delivery system. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102028.	1.4	4
6	Covalent attachment of poly(allylamine hydrochloride) onto ordered silica foams. <i>Journal of Porous Materials</i> , 2020, 27, 929-937.	1.3	5
7	Mn-modified HfO ₂ nanoparticles with enhanced photocatalytic activity. <i>Ceramics International</i> , 2020, 46, 13466-13473.	2.3	17
8	Corrosion resistance and in vitro bioactivity of dense and porous titania coatings deposited on 316L SS by spraying method. <i>Applied Surface Science</i> , 2019, 484, 975-980.	3.1	22
9	A novel two-step route for synthesizing pure Ta ₂ O ₅ nanoparticles with enhanced photocatalytic activity. <i>Ceramics International</i> , 2019, 45, 6268-6274.	2.3	13
10	One-step synthesis of ZnO and Ag/ZnO heterostructures and their photocatalytic activity. <i>Ceramics International</i> , 2018, 44, 6176-6180.	2.3	82
11	Synthesis, structural characterization, and photocatalytic activity of Bi-based nanoparticles. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 101-110.	1.1	11
12	Effect of chemically modified clinoptilolite on the thermal, morphological, and gas separation properties of mixed matrix membranes. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45659.	1.3	4
13	Facile synthesis of novel calcium silicate hydrated-nylon 6/66 nanocomposites by solution mixing method. <i>RSC Advances</i> , 2018, 8, 41818-41827.	1.7	17
14	Synthesis of Poly(N-vinylcaprolactam)-Grafted Magnetite Nanocomposites for Magnetic Hyperthermia. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-6.	1.5	4
15	Effect of Ce doping on the structure and optical properties of HfO ₂ films by the Pechini-type sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 88, 371-378.	1.1	9
16	Low-temperature sol-gel ZrHfO ₂ -PMMA hybrid dielectric thin-films for metal oxide TFTs. <i>Journal of Non-Crystalline Solids</i> , 2018, 502, 152-158.	1.5	21
17	FLUID DYNAMICS AROUND FLAT-END CYLINDRICAL QUENCH PROBES UNDER ISOTHERMAL AND NON-ISOTHERMAL CONDITIONS. <i>Revista Mexicana De Ingeniera Quimica</i> , 2018, 17, 707-721.	0.2	0
18	Preparation and Characterization of Hybrid Membranes Based on Poly(Ether-b-Amide)., 2017, , 11-22.		1

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19	Synthesis and characterization of Ce-doped HfO ₂ nanoparticles in molten chlorides. <i>Journal of Alloys and Compounds</i> , 2017, 692, 448-453.	2.8	7
20	Hydrothermal Synthesis of Mesoporous Silica MCM-41 Using Commercial Sodium Silicate. <i>Journal of the Mexican Chemical Society</i> , 2017, 57, .	0.2	9
21	Influence of triethanolamine in the deposition of Mn-doped ZnO thin films by the successive ionic layer adsorption and reaction process. <i>Superlattices and Microstructures</i> , 2016, 100, 409-417.	1.4	7
22	Electrochemical Glucose Oxidation Using Glassy Carbon Electrodes Modified with Au-Ag Nanoparticles: Influence of Ag Content. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-12.	1.5	15
23	Preparation and characterization of Ce-doped HfO ₂ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2015, 643, S62-S66.	2.8	16
24	A "green methodology" approach to the synthesis of HfO ₂ nanoparticles. <i>Materials Letters</i> , 2015, 159, 520-524.	1.3	21
25	Nanostructured Pure and Substituted Cobalt Ferrites: Fabrication by Electrospinning and Study of Their Magnetic Properties. <i>Journal of Alloys and Compounds</i> , 2015, 653, 290-297.	2.8	11
26	Synthesis of amino-functionalized MCM-48 silica via direct co-condensation at room temperature. <i>Microporous and Mesoporous Materials</i> , 2015, 204, 156-162.	2.2	27
27	Synthesis and characterization of maghemite nanoparticles for hyperthermia applications. <i>Ceramics International</i> , 2015, 41, 397-402.	2.3	67
28	Synthesis of Copper Nanoparticles by Thermal Decomposition and Their Antimicrobial Properties. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-5.	1.5	128
29	Functionalization with amine-containing organosilane of mesoporous silica MCM-41 and MCM-48 obtained at room temperature. <i>Ceramics International</i> , 2014, 40, 9701-9707.	2.3	50
30	Influence of the reaction conditions on the thermal stability of mesoporous MCM-48 silica obtained at room temperature. <i>Ceramics International</i> , 2014, 40, 4155-4161.	2.3	22
31	Environmental friendly cold-mechanical/sonic enzymatic assisted extraction of genipin from genipap (<i>Genipa americana</i>). <i>Ultrasonics Sonochemistry</i> , 2014, 21, 43-49.	3.8	25
32	Synthesis of Magnetic CuNi Nanoalloys by Sol-Gel-Based Pechini Method. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4522-4524.	1.2	8
33	Preparation and structural characterization of CuNi nanoalloys obtained by polymeric precursor method. <i>Materials Letters</i> , 2013, 91, 67-70.	1.3	15
34	Synthesis and Characterization of Alloys and Bimetallic Nanoparticles of CuNi Prepared by Sol-Gel Method. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1479, 9-14.	0.1	4
35	Effects of Si and Ni nanoparticles in Brazing process on fracture surfaces of 304 stainless steels. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1381, 1.	0.1	0
36	Characterization of multimetallic nanomaterial obtained from cyanidation solutions.. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1380, 1.	0.1	0

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37	Study of the surface modification with oleic acid of nanosized HfO ₂ synthesized by the polymerized complex derived sol-gel method. <i>Applied Surface Science</i> , 2012, 258, 6034-6039.	3.1	26
38	Preparation of spherical MCM-41 molecular sieve at room temperature: Influence of the synthesis conditions in the structural properties. <i>Ceramics International</i> , 2012, 38, 6353-6358.	2.3	72
39	Preparation of hcp and fcc Ni and Ni/NiO Nanoparticles Using a Citric Acid Assisted Pechini-Type Method. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-6.	1.5	55
40	Ammonia-free chemically deposited CdS films as active layers in thin film transistors. <i>Thin Solid Films</i> , 2010, 519, 517-520.	0.8	52
41	Synthesis and characterization of NiO nanoparticles and their PMMA nanocomposites obtained by in situ bulk polymerization. <i>Journal of Materials Science</i> , 2009, 44, 4553-4556.	1.7	40
42	Synthesis of poly(vinyl alcohol)-magnetite ferrogel obtained by freezing-thawing technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e373-e376.	1.0	37
43	Ultrafine magnetic particles dispersed in silica: Characterization of cobalt iron citrate precursor and magnetic properties. <i>Materials Research Bulletin</i> , 2008, 43, 1112-1118.	2.7	8
44	Preparation and characterization of polyvinyl alcohol-cobalt ferrite nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 808-810.	1.5	60
45	In situ synthesis of iron oxide nanoparticles in a styrene-divinylbenzene copolymer. <i>Polymer Bulletin</i> , 2007, 58, 989-994.	1.7	7
46	Comparative study of the synthesis of CoFe ₂ O ₄ and NiFe ₂ O ₄ in silica through the polymerized complex route of the sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 42, 181-186.	1.1	25
47	Preparation and characterization of cobalt ferrite by the polymerized complex method. <i>Materials Letters</i> , 2005, 59, 1056-1060.	1.3	60
48	Synthesis and magneto-structural study of Co _x Fe _{3-x} O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 294, e33-e36.	1.0	26
49	Magnetite-cobalt ferrite nanoparticles for kerosene-based magnetic fluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 294, e37-e41.	1.0	17
50	Synthesis of CoFe ₂ O ₄ nanoparticles embedded in a silica matrix by the citrate precursor technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 294, e43-e46.	1.0	43
51	Preparation of magnetic latexes using styrene monomer. <i>Journal of Alloys and Compounds</i> , 2004, 369, 87-89.	2.8	15
52	Magnetic nanocomposites: preparation and characterization of Co-ferrite nanoparticles in a silica matrix. <i>Journal of Alloys and Compounds</i> , 2004, 369, 148-151.	2.8	34
53	Study of SrFe ₁₂ O ₁₉ synthesized by the sol-gel method. <i>Journal of Alloys and Compounds</i> , 2004, 369, 182-184.	2.8	87
54	Structural characterization and properties of colloidal silica coatings on copper substrates. <i>Materials Letters</i> , 2002, 56, 450-453.	1.3	33

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55	Stabilization of copper-based colloidal particles in sol-gel SiO ₂ thin films. Thin Solid Films, 2000, 365, 30-35.	0.8	10
56	Dielectric properties of SiO ₂ thin films prepared by the sol-gel technique. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 288.	1.6	5
57	Optical Phonons in SiO ₂ Sol-Gel Derived Colored Glasses Doped with Cu and Fe. Physica Status Solidi A, 1999, 172, 49-61.	1.7	19
58	Study of Hafnium (IV) Oxide Nanoparticles Synthesized by Polymerized Complex and Polymer Precursor Derived Sol-Gel Methods. Materials Science Forum, 0, 644, 75-78.	0.3	9
59	Structural and Morphological Properties of Hf _x Zr _{1-x} O ₂ ; Thin Films Prepared by Pechini Route. Materials Science Forum, 0, 644, 113-116.	0.3	0
60	Synthesis of Plasticizer-Based Ferrofluid and its Use in the Preparation of Magnetic PVC Nanocomposite. Materials Science Forum, 0, 644, 13-16.	0.3	0