Luis Alfonso Garcia-Cerda

List of Publications by Year
in descending order

60 papers	1,453 citations	304368 22 h-index	344852 36 g-index
62 all docs	62 docs citations	62 times ranked	2342 citing authors

#	Article	IF	Citations
1	Synthesis of Copper Nanoparticles by Thermal Decomposition and Their Antimicrobial Properties. Journal of Nanomaterials, 2014, 2014, 1-5.	1.5	128
2	Study of SrFe12O19 synthesized by the solâ€“gel method. Journal of Alloys and Compounds, 2004, 369, 182-184.	2.8	87
3	One-step synthesis of ZnO and Ag/ZnO heterostructures and their photocatalytic activity. Ceramics International, 2018, 44, 6176-6180.	2.3	82
4	Preparation of spherical MCM-41 molecular sieve at room temperature: Influence of the synthesis conditions in the structural properties. Ceramics International, 2012, 38, 6353-6358.	2.3	72
5	Synthesis and characterization of maghemite nanoparticles for hyperthermia applications. Ceramics International, 2015, 41, 397-402.	2.3	67
6	Preparation and characterization of cobalt ferrite by the polymerized complex method. Materials Letters, 2005, 59, 1056-1060.	1.3	60
7	Preparation and characterization of polyvinyl alcoholâ€“cobalt ferrite nanocomposites. Journal of Non-Crystalline Solids, 2007, 353, 808-810.	1.5	60
8	Preparation of hcp and fcc Ni and Ni/NiO Nanoparticles Using a Citric Acid Assisted Pechini-Type Method. Journal of Nanomaterials, 2011, 2011, 1-6.	1.5	55
9	Ammonia-free chemically deposited CdS films as active layers in thin film transistors. Thin Solid Films, 2010, 519, 517-520.	0.8	52
10	Functionalization with amine-containing organosilane of mesoporous silica MCM-41 and MCM-48 obtained at room temperature. Ceramics International, 2014, 40, 9701-9707.	2.3	50
11	Synthesis of CoFe2O4 nanoparticles embedded in a silica matrix by the citrate precursor technique. Journal of Magnetism and Magnetic Materials, 2005, 294, e43-e46.	1.0	43
12	Synthesis and characterization of NiO nanoparticles and their PMMA nanocomposites obtained by in situ bulk polymerization. Journal of Materials Science, 2009, 44, 4553-4556.	1.7	40
13	Synthesis of poly(vinyl alcohol)â€“magnetite ferrogel obtained by freezingâ€“thawing technique. Journal of Magnetism and Magnetic Materials, 2008, 320, e373-e376.	1.0	37
14	Relationship between morphology, porosity, and the photocatalytic activity of TiO2 obtained by solâ€“gel method assisted with ionic and nonionic surfactants. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2020, 59, 209-218.	0.9	36
15	Magnetic nanocomposites: preparation and characterization of Co-ferrite nanoparticles in a silica matrix. Journal of Alloys and Compounds, 2004, 369, 148-151.	2.8	34
16	Structural characterization and properties of colloidal silica coatings on copper substrates. Materials Letters, 2002, 56, 450-453.	1.3	33
17	Synthesis of amino-functionalized MCM-48 silica via direct co-condensation at room temperature. Microporous and Mesoporous Materials, 2015, 204, 156-162.	2.2	27
18	Synthesis and magneto-structural study of CoxFe3â^'xO4 nanoparticles. Journal of Magnetism and Magnetic Materials, 2005, 294, e33-e36.	1.0	26

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19	Study of the surface modification with oleic acid of nanosized HfO2 synthesized by the polymerized complex derived solâ€“gel method. Applied Surface Science, 2012, 258, 6034-6039.	3.1	26
20	Comparative study of the synthesis of CoFe2O4 and NiFe2O4 in silica through the polymerized complex route of the solâ€“gel method. Journal of Sol-Gel Science and Technology, 2007, 42, 181-186.	1.1	25
21	Environmental friendly cold-mechanical/sonic enzymatic assisted extraction of genipin from genipap (Genipa americana). Ultrasonics Sonochemistry, 2014, 21, 43-49.	3.8	25
22	Influence of the reaction conditions on the thermal stability of mesoporous MCM-48 silica obtained at room temperature. Ceramics International, 2014, 40, 4155-4161.	2.3	22
23	Corrosion resistance and in vitro bioactivity of dense and porous titania coatings deposited on 316L SS by spraying method. Applied Surface Science, 2019, 484, 975-980.	3.1	22
24	A â€œgreen methodologyâ€•approach to the synthesis of HfO2 nanoparticles. Materials Letters, 2015, 159, 520-524.	1.3	21
25	Low-temperature sol-gel ZrHfO2-PMMA hybrid dielectric thin-films for metal oxide TFTs. Journal of Non-Crystalline Solids, 2018, 502, 152-158.	1.5	21
26	Optical Phonons in SiO2 Solâ€“Gel Derived Colored Glasses Doped with Cu and Fe. Physica Status Solidi A, 1999, 172, 49-61.	1.7	19
27	Magnetite-cobalt ferrite nanoparticles for kerosene-based magnetic fluids. Journal of Magnetism and Magnetic Materials, 2005, 294, e37-e41.	1.0	17
28	Facile synthesis of novel calcium silicate hydrated-nylon 6/66 nanocomposites by solution mixing method. RSC Advances, 2018, 8, 41818-41827.	1.7	17
29	Mn-modified HfO2 nanoparticles with enhanced photocatalytic activity. Ceramics International, 2020, 46, 13466-13473.	2.3	17
30	Preparation and characterization of Ce-doped HfO2 nanoparticles. Journal of Alloys and Compounds, 2015, 643, S62-S66.	2.8	16
31	Preparation of magnetic latexes using styrene monomer. Journal of Alloys and Compounds, 2004, 369, 87-89.	2.8	15
32	Preparation and structural characterization of CuNi nanoalloys obtained by polymeric precursor method. Materials Letters, 2013, 91, 67-70.	1.3	15
33	Electrochemical Glucose Oxidation Using Glassy Carbon Electrodes Modified with Au-Ag Nanoparticles: Influence of Ag Content. Journal of Nanomaterials, 2015, 2015, 1-12.	1.5	15
34	A novel two-step route for synthesizing pure Ta2O5 nanoparticles with enhanced photocatalytic activity. Ceramics International, 2019, 45, 6268-6274.	2.3	13
35	Amineâ€•impregnated natural zeolite as filler in mixed matrix membranes for CO2/CH4separation. Journal of Applied Polymer Science, 2020, 137, 48286.	1.3	12
36	Nanostructured Pure and Substituted Cobalt Ferrites: Fabrication by Electrospinning and Study of Their Magnetic Properties. Journal of Alloys and Compounds, 2015, 653, 290-297.	2.8	11

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37	Synthesis, structural characterization, and photocatalytic activity of Biâ€based nanoparticles. International Journal of Applied Ceramic Technology, 2018, 15, 101-110.	1.1	11
38	Stabilization of copper-based colloidal particles in solâ€“gel SiO2 thin films. Thin Solid Films, 2000, 365, 30-35.	0.8	10
39	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
40	Effect of Ce doping on the structure and optical properties of HfO2 films by the Pechini-type solâ€“gel method. Journal of Sol-Gel Science and Technology, 2018, 88, 371-378.	1.1	9
41	Polyamine-decorated mesocellular silica foam nanocomposites: Effect of the reaction parameters on the grafted polymer content and silica mesostructure. Journal of Sol-Gel Science and Technology, 2020, 94, 118-126.	1.1	9
42	Hydrothermal Synthesis of Mesoporous Silica MCM-41 Using Commercial Sodium Silicate. Journal of the Mexican Chemical Society, 2017, 57, .	0.2	9
43	Ultrafine magnetic particles dispersed in silica: Characterization of cobalt iron citrate precursor and magnetic properties. Materials Research Bulletin, 2008, 43, 1112-1118.	2.7	8
44	Synthesis of Magnetic CuNi Nanoalloys by Sol-Gel-Based Pechini Method. IEEE Transactions on Magnetics, 2013, 49, 4522-4524.	1.2	8
45	In situ synthesis of iron oxide nanoparticles in a styrene-divinylbenzene copolymer. Polymer Bulletin, 2007, 58, 989-994.	1.7	7
46	Influence of triethanolamine in the deposition of Mn-doped ZnO thin films by the successive ionic layer adsorption and reaction process. Superlattices and Microstructures, 2016, 100, 409-417.	1.4	7
47	Synthesis and characterization of Ce-doped HfO2 nanoparticles in molten chlorides. Journal of Alloys and Compounds, 2017, 692, 448-453.	2.8	7
48	Dielectric properties of SiO[sub 2] thin films prepared by the solâ€“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
49	Covalent attachment of poly(allylamine hydrochloride) onto ordered silica foams. Journal of Porous Materials, 2020, 27, 929-937.	1.3	5
50	Biomimetic Growth of Hydroxyapatite on SiO2 Microspheres to Improve Its Biocompatibility and Gentamicin Loading Capacity. Materials, 2021, 14, 6941.	1.3	5
51	Synthesis and Characterization of Alloys and Bimetallic Nanoparticles of CuNi Prepared by Sol-Gel Method. Materials Research Society Symposia Proceedings, 2012, 1479, 9-14.	0.1	4
52	Effect of chemically modified clinoptilolite on the thermal, morphological, and gas separation properties of mixed matrix membranes. Journal of Applied Polymer Science, 2018, 135, 45659.	1.3	4
53	Synthesis of Poly(N-vinylcaprolactam)-Grafted Magnetite Nanocomposites for Magnetic Hyperthermia. Journal of Nanomaterials, 2018, 2018, 1-6.	1.5	4
54	Preparation and characterization of nanocomposites based on poly(N-vinycaprolactam) and magnetic nanoparticles for using as drug delivery system. Journal of Drug Delivery Science and Technology, 2020, 60, 102028.	1.4	4

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55	Preparation and Characterization of Hybrid Membranes Based on Poly(Ether-b-Amide). , 2017, , 11-22.		1
56	Structural and Morphological Properties of Hf_xZr_{1-x}O₂ Thin Films Prepared by Pechini Route. Materials Science Forum, 0, 644, 113-116.	0.3	0
57	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
58	Effects of Si and Ni nanoparticles in Brazing process on fracture surfaces of 304 stainless steels. Materials Research Society Symposia Proceedings, 2012, 1381, 1.	0.1	0
59	Characterization of multimetallic nanomaterial obtained from cyanidation solutions.. Materials Research Society Symposia Proceedings, 2012, 1380, 1.	0.1	0
60	FLUID DYNAMICS AROUND FLAT-END CYLINDRICAL QUENCH PROBES UNDER ISOTHERMAL AND NON-ISOTHERMAL CONDITIONS. Revista Mexicana De Ingeniera Quimica, 2018, 17, 707-721.	0.2	0