

Gregorio Guadalupe Carbajal-ArÃ-zaga

List of Publications by Year in descending order

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53
papers

2,518
citations

394421

19
h-index

197818

49
g-index

53
all docs

53
docs citations

53
times ranked

3158
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable composites based on lignocellulosic fibers—An overview. <i>Progress in Polymer Science</i> , 2009, 34, 982-1021.	24.7	1,098
2	Layered hydroxide salts: Synthesis, properties and potential applications. <i>Solid State Ionics</i> , 2007, 178, 1143-1162.	2.7	316
3	A new zinc hydroxide nitrate heterogeneous catalyst for the esterification of free fatty acids and the transesterification of vegetable oils. <i>Catalysis Communications</i> , 2008, 9, 2140-2143.	3.3	81
4	First insight into catalytic activity of anionic iron porphyrins immobilized on exfoliated layered double hydroxides. <i>Journal of Colloid and Interface Science</i> , 2005, 281, 417-423.	9.4	78
5	Chemical modification of zinc hydroxide nitrate and Zn—Al-layered double hydroxide with dicarboxylic acids. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 168-176.	9.4	78
6	Slow pyrolysis of different Brazilian waste biomasses as sources of soil conditioners and energy, and for environmental protection. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 434-443.	5.5	73
7	Immobilization of anionic metalloporphyrins on zinc hydroxide nitrate and study of an unusual catalytic activity. <i>Journal of Catalysis</i> , 2010, 274, 130-141.	6.2	70
8	Intercalation of an oxalatoxonioabate complex into layered double hydroxide and layered zinc hydroxide nitrate. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 352-358.	9.4	68
9	Intercalation and functionalization of zinc hydroxide nitrate with mono- and dicarboxylic acids. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 130-138.	9.4	64
10	Nanocomposites coated with xyloglucan for drug delivery: In vitro studies. <i>International Journal of Pharmaceutics</i> , 2009, 367, 204-210.	5.2	50
11	Studies of the effect of molding pressure and incorporation of sugarcane bagasse fibers on the structure and properties of poly (hydroxy butyrate). <i>Composites Part A: Applied Science and Manufacturing</i> , 2009, 40, 573-582.	7.6	41
12	Cu ²⁺ ions as a paramagnetic probe to study the surface chemical modification process of layered double hydroxides and hydroxide salts with nitrate and carboxylate anions. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 238-244.	9.4	40
13	Î±-Ga ₂ O ₃ as a Photocatalyst in the Degradation of Malachite Green. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, Q3180-Q3186.	1.8	33
14	Dual responsive dysprosium-doped hydroxyapatite particles and toxicity reduction after functionalization with folic and glucuronic acids. <i>Materials Science and Engineering C</i> , 2015, 48, 541-547.	7.3	28
15	Passive and active targeting strategies in hybrid layered double hydroxides nanoparticles for tumor bioimaging and therapy. <i>Applied Clay Science</i> , 2019, 181, 105214.	5.2	26
16	Rare earth and zinc layered hydroxide salts intercalated with the 2-aminobenzoate anion as organic luminescent sensitizer. <i>Materials Research Bulletin</i> , 2015, 70, 336-342.	5.2	25
17	Trivalent chromium removal from aqueous solutions by a sol-gel synthesized silica adsorbent functionalized with sulphonic acid groups. <i>Materials Research Bulletin</i> , 2014, 59, 394-404.	5.2	24
18	Effect of synthesis conditions on the morphology and crystal structure of biferroic Bi ₅ Ti ₃ FeO ₁₅ . <i>Ceramics International</i> , 2014, 40, 7459-7465.	4.8	22

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19	Intercalation studies of zinc hydroxide chloride: Ammonia and amino acids. <i>Journal of Solid State Chemistry</i> , 2012, 185, 150-155.	2.9	20
20	Immobilization of laccase on hybrid layered double hydroxide. <i>Quimica Nova</i> , 2009, 32, 1495-1499.	0.3	19
21	Photocatalytic Degradation of Diclofenac Using Al ₂ O ₃ -Nd ₂ O ₃ Binary Oxides Prepared by the Sol-Gel Method. <i>Materials</i> , 2020, 13, 1345.	2.9	16
22	Encapsulation of curcumin into layered double hydroxides improve their anticancer and antiparasitic activity. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 897-908.	2.4	15
23	Intercalação e funcionalização da brucita com ácidos carboxílicos. <i>Quimica Nova</i> , 2005, 28, 24-29.	0.3	14
24	Hydroxide precursors to produce nanometric YCrO ₃ : Characterization and conductivity analysis. <i>Materials Research Bulletin</i> , 2012, 47, 1442-1447.	5.2	14
25	Dysprosium-containing layered double hydroxides nanoparticles intercalated with biologically active species as an approach for theranostic systems. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 203, 7-12.	3.5	14
26	Assembly of folate-carbon dots in GdDy-doped layered double hydroxides for targeted delivery of doxorubicin. <i>Applied Clay Science</i> , 2020, 192, 105661.	5.2	14
27	Potassium titanate as heterogeneous catalyst for methyl transesterification. <i>Powder Technology</i> , 2015, 280, 201-206.	4.2	13
28	Reversible intercalation of ammonia molecules into a layered double hydroxide structure without exchanging nitrate counter-ions. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2324-2328.	2.9	12
29	Novel UV Sensing and Photocatalytic Properties of DyCoO ₃ . <i>Journal of Sensors</i> , 2019, 2019, 1-12.	1.1	12
30	Chiral Imidazolium-Functionalized Au Nanoparticles: Reversible Aggregation and Molecular Recognition. <i>ACS Omega</i> , 2016, 1, 876-885.	3.5	11
31	Immobilization of enzymatic extract from <i>Penicillium camemberti</i> with lipoxygenase activity onto a hybrid layered double hydroxide. <i>Biochemical Engineering Journal</i> , 2009, 48, 93-98.	3.6	10
32	Esterification of Free Fatty Acids Using Layered Carboxylates and Hydroxide Salts as Catalysts. <i>Topics in Catalysis</i> , 2011, 54, 474-481.	2.8	9
33	Effect of Gd and Dy Concentrations in Layered Double Hydroxides on Contrast in Magnetic Resonance Imaging. <i>Processes</i> , 2020, 8, 462.	2.8	9
34	Spherical mesoporous silica designed for the removal of methylene blue from water under strong acidic conditions. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2278-2289.	2.2	9
35	Influence of reaction conditions on the growth of GaN rods in an ammono-CVD reactor. <i>Journal of Crystal Growth</i> , 2011, 319, 19-24.	1.5	8
36	Electrical properties of polycrystalline GaN films functionalized with cysteine and stabilization of GaN nanoparticles in aqueous media. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 98, 63-71.	5.0	8

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37	Synthesis of L-cystine nanotubes by alkalization of L-cysteine in the presence of gallium nitride. <i>Journal of Crystal Growth</i> , 2013, 384, 33-38.	1.5	8
38	Phosphor Dysprosium-Doped Layered Double Hydroxides Exchanged with Different Organic Functional Groups. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	2.7	8
39	Passive targeting effect of Dy-doped LDH nanoparticles hybridized with folic acid and gallic acid on HEK293 human kidney cells and HT29 human cells. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	8
40	Layered Double Hydroxide as a Vehicle to Increase Toxicity of Gallate Ions against Adenocarcinoma Cells. <i>Molecules</i> , 2016, 21, 928.	3.8	7
41	Chemical and biological protection of food grade nisin through their partial intercalation in laminar hydroxide salts. <i>Journal of Food Science and Technology</i> , 2020, 57, 3252-3258.	2.8	7
42	Hybrid functionalized phosphonate silica: insight into chromium removal chemistry from aqueous solutions. <i>Journal of the Mexican Chemical Society</i> , 2019, 63, .	0.6	7
43	Spectroscopic study of copper adsorption by chitosan and lignin composites containing layered double hydroxides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2018, 226, 1-8.	1.7	6
44	Folate-Intercalated layered double hydroxide as a vehicle for cyclophosphamide, a non-ionic anti-cancer drug. <i>Micro and Nano Letters</i> , 2016, 11, 360-362.	1.3	5
45	Folate- and glucuronate-functionalization of layered double hydroxides containing dysprosium and gadolinium and the effect on oxidative stress in rat liver mitochondria. <i>Heliyon</i> , 2020, 6, e03111.	3.2	4
46	Hydrophilic lycopene-coated layered double hydroxide nanoparticles to enhance the antioxidant activity and the oxidative stress evaluation. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2747-2758.	3.1	4
47	Functionalization of Surfaces in Layered Double Hydroxides and Hydroxide Salt Nanoparticles. , 0, , .		3
48	Spectroscopic Study of Sediments from Chapala Lake in Western Mexico. <i>Journal of Applied Spectroscopy</i> , 2016, 83, 888-895.	0.7	3
49	Green extraction of lycopene from tomato juice with layered double hydroxide nanoparticles. <i>Micro and Nano Letters</i> , 2019, 14, 230-233.	1.3	3
50	N-methylpyrrolidine-based precursors for chemical vapor deposition of GaNx particles. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 338-342.	4.0	1
51	Synthesis and optical nondestructive evaluation of GaN nanorods on silicon surfaces with gold catalyst. <i>Optik</i> , 2014, 125, 5982-5985.	2.9	1
52	Synthesis of Organic-Inorganic Hybrid Material with a Synergistic Interface as a Release Agent for Free Acid ¹² -Hydroxy- ¹² -Methyl Butyrate. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-12.	2.7	1
53	Green approach to synthesize functional carbon nanoparticles at low temperature. , 2022, 1, 100002.		0