Gregorio Guadalupe Carbajal-ArÃ-zaga

List of Publications by Year
in descending order

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	Spherical mesoporous silica designed for the removal of methylene blue from water under strong acidic conditions. Environmental Technology (United Kingdom), 2022, 43, 2278-2289.	2.2	9
2	Green approach to synthesize functional carbon nanoparticles at low temperature. , 2022, 1, 100002.		0
3	Hydrophilic lycopene-coated layered double hydroxide nanoparticles to enhance the antioxidant activity and the oxidative stress evaluation. Applied Nanoscience (Switzerland), 2021, 11, 2747-2758.	3.1	4
4	Synthesis of Organic-Inorganic Hybrid Material with a Synergistic Interface as a Release Agent for Free Acid Î²-Hydroxy-Î²-Methyl Butyrate. Journal of Nanomaterials, 2021, 2021, 1-12.	2.7	1
5	Folate- and glucuronateâ€“functionalization of layered double hydroxides containing dysprosium and gadolinium and the effect on oxidative stress in rat liver mitochondria. Heliyon, 2020, 6, e03111.	3.2	4
6	Photocatalytic Degradation of Diclofenac Using Al2O3-Nd2O3 Binary Oxides Prepared by the Sol-Gel Method. Materials, 2020, 13, 1345.	2.9	16
7	Chemical and biological protection of food grade nisin through their partial intercalation in laminar hydroxide salts. Journal of Food Science and Technology, 2020, 57, 3252-3258.	2.8	7
8	Effect of Gd and Dy Concentrations in Layered Double Hydroxides on Contrast in Magnetic Resonance Imaging. Processes, 2020, 8, 462.	2.8	9
9	Encapsulation of curcumin into layered double hydroxides improve their anticancer and antiparasitic activity. Journal of Pharmacy and Pharmacology, 2020, 72, 897-908.	2.4	15
10	Assembly of folate-carbon dots in GdDy-doped layered double hydroxides for targeted delivery of doxorubicin. Applied Clay Science, 2020, 192, 105661.	5.2	14
11	Passive and active targeting strategies in hybrid layered double hydroxides nanoparticles for tumor bioimaging and therapy. Applied Clay Science, 2019, 181, 105214.	5.2	26
12	Novel UV Sensing and Photocatalytic Properties of DyCoO₃. Journal of Sensors, 2019, 2019, 1-12.	1.1	12
13	Î±-Ga₂O₃ as a Photocatalyst in the Degradation of Malachite Green. ECS Journal of Solid State Science and Technology, 2019, 8, Q3180-Q3186.	1.8	33
14	Green extraction of lycopene from tomato juice with layered double hydroxide nanoparticles. Micro and Nano Letters, 2019, 14, 230-233.	1.3	3
15	Hybrid functionalized phosphonate silica: insight into chromium removal chemistry from aqueous solutions. Journal of the Mexican Chemical Society, 2019, 63, .	0.6	7
16	Spectroscopic study of copper adsorption by chitosan and lignin composites containing layered double hydroxides. Journal of Electron Spectroscopy and Related Phenomena, 2018, 226, 1-8.	1.7	6
17	Passive targeting effect of Dy-doped LDH nanoparticles hybridized with folic acid and gallic acid on HEK293 human kidney cells and HT29 human cells. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	8
18	Layered Double Hydroxide as a Vehicle to Increase Toxicity of Gallate Ions against Adenocarcinoma Cells. Molecules, 2016, 21, 928.	3.8	7

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19	Folateâ€intercalated layered double hydroxide as a vehicle for cyclophosphamide, a nonâ€ionic antiâ€cancer drug. Micro and Nano Letters, 2016, 11, 360-362.	1.3	5
20	Spectroscopic Study of Sediments from Chapala Lake in Western Mexico. Journal of Applied Spectroscopy, 2016, 83, 888-895.	0.7	3
21	Chiral Imidazolium-Functionalized Au Nanoparticles: Reversible Aggregation and Molecular Recognition. ACS Omega, 2016, 1, 876-885.	3.5	11
22	Dysprosium-containing layered double hydroxides nanoparticles intercalated with biologically active species as an approach for theranostic systems. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 203, 7-12.	3.5	14
23	Rare earth and zinc layered hydroxide salts intercalated with the 2-aminobenzoate anion as organic luminescent sensitizer. Materials Research Bulletin, 2015, 70, 336-342.	5.2	25
24	Slow pyrolysis of different Brazilian waste biomasses as sources of soil conditioners and energy, and for environmental protection. Journal of Analytical and Applied Pyrolysis, 2015, 113, 434-443.	5.5	73
25	Potassium titanate as heterogeneous catalyst for methyl transesterification. Powder Technology, 2015, 280, 201-206.	4.2	13
26	Dual responsive dysprosium-doped hydroxyapatite particles and toxicity reduction after functionalization with folic and glucuronic acids. Materials Science and Engineering C, 2015, 48, 541-547.	7.3	28
27	Effect of synthesis conditions on the morphology and crystal structure of biferroic Bi5Ti3FeO15. Ceramics International, 2014, 40, 7459-7465.	4.8	22
28	Trivalent chromium removal from aqueous solutions by a solâ€“gel synthesized silica adsorbent functionalized with sulphonic acid groups. Materials Research Bulletin, 2014, 59, 394-404.	5.2	24
29	Synthesis and optical nondestructive evaluation of GaN nanorods on silicon surfaces with gold catalyst. Optik, 2014, 125, 5982-5985.	2.9	1
30	Synthesis of l-cystine nanotubes by alkalinization of l-cysteine in the presence of gallium nitride. Journal of Crystal Growth, 2013, 384, 33-38.	1.5	8
31	Phosphor Dysprosium-Doped Layered Double Hydroxides Exchanged with Different Organic Functional Groups. Journal of Nanomaterials, 2013, 2013, 1-8.	2.7	8
32	Electrical properties of polycrystalline GaN films functionalized with cysteine and stabilization of GaN nanoparticles in aqueous media. Colloids and Surfaces B: Biointerfaces, 2012, 98, 63-71.	5.0	8
33	Hydroxide precursors to produce nanometric YCrO3: Characterization and conductivity analysis. Materials Research Bulletin, 2012, 47, 1442-1447.	5.2	14
34	N-methylpyrrolidine-based precursors for chemical vapor deposition of GaNx particles. Journal of Physics and Chemistry of Solids, 2012, 73, 338-342.	4.0	1
35	Intercalation studies of zinc hydroxide chloride: Ammonia and amino acids. Journal of Solid State Chemistry, 2012, 185, 150-155.	2.9	20
36	Esterification of Free Fatty Acids Using Layered Carboxylates and Hydroxide Salts as Catalysts. Topics in Catalysis, 2011, 54, 474-481.	2.8	9

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37	Influence of reaction conditions on the growth of GaN rods in an ammono-CVD reactor. Journal of Crystal Growth, 2011, 319, 19-24.	1.5	8
38	Immobilization of anionic metalloporphyrins on zinc hydroxide nitrate and study of an unusual catalytic activity. Journal of Catalysis, 2010, 274, 130-141.	6.2	70
39	Reversible intercalation of ammonia molecules into a layered double hydroxide structure without exchanging nitrate counter-ions. Journal of Solid State Chemistry, 2010, 183, 2324-2328.	2.9	12
40	Immobilization of laccase on hybrid layered double hydroxide. Quimica Nova, 2009, 32, 1495-1499.	0.3	19
41	Immobilization of enzymatic extract from Penicillium camemberti with lipoxygenase activity onto a hybrid layered double hydroxide. Biochemical Engineering Journal, 2009, 48, 93-98.	3.6	10
42	Nanocomposites coated with xyloglucan for drug delivery: In vitro studies. International Journal of Pharmaceutics, 2009, 367, 204-210.	5.2	50
43	Intercalation of an oxalatooxoniobate complex into layered double hydroxide and layered zinc hydroxide nitrate. Journal of Colloid and Interface Science, 2009, 330, 352-358.	9.4	68
44	Biodegradable composites based on lignocellulosic fibersâ€”An overview. Progress in Polymer Science, 2009, 34, 982-1021.	24.7	1,098
45	Studies of the effect of molding pressure and incorporation of sugarcane bagasse fibers on the structure and properties of poly (hydroxy butyrate). Composites Part A: Applied Science and Manufacturing, 2009, 40, 573-582.	7.6	41
46	Cu2+ ions as a paramagnetic probe to study the surface chemical modification process of layered double hydroxides and hydroxide salts with nitrate and carboxylate anions. Journal of Colloid and Interface Science, 2008, 320, 238-244.	9.4	40
47	Chemical modification of zinc hydroxide nitrate and Znâ€“Al-layered double hydroxide with dicarboxylic acids. Journal of Colloid and Interface Science, 2008, 320, 168-176.	9.4	78
48	A new zinc hydroxide nitrate heterogeneous catalyst for the esterification of free fatty acids and the transesterification of vegetable oils. Catalysis Communications, 2008, 9, 2140-2143.	3.3	81
49	Layered hydroxide salts: Synthesis, properties and potential applications. Solid State Ionics, 2007, 178, 1143-1162.	2.7	316
50	First insight into catalytic activity of anionic iron porphyrins immobilized on exfoliated layered double hydroxides. Journal of Colloid and Interface Science, 2005, 281, 417-423.	9.4	78
51	Intercalation and functionalization of zinc hydroxide nitrate with mono- and dicarboxylic acids. Journal of Colloid and Interface Science, 2005, 283, 130-138.	9.4	64
52	IntercalaÃ§Ã£o e funcionalizaÃ§Ã£o da brucita com Ã¡cidos carboxÃlicos. Quimica Nova, 2005, 28, 24-29.	0.3	14
53	Functionalization of Surfaces in Layered Double Hydroxides and Hydroxide Salt Nanoparticles. , 0, , .		3