

Geolar Fetter

List of Publications by Year in descending order

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44
papers

771
citations

567144

15
h-index

526166

27
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44
all docs

44
docs citations

44
times ranked

885
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave power effect on hydrotalcite synthesis. <i>Microporous and Mesoporous Materials</i> , 2006, 89, 306-314.	2.2	88
2	TiO ₂ /MgAl layered double hydroxides mechanical mixtures as efficient photocatalysts in phenol degradation. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 914-919.	1.9	78
3	Comparison of the structural and acid-base properties of Ga- and Al-containing layered double hydroxides obtained by microwave irradiation and conventional ageing of synthesis gels. <i>Journal of Materials Chemistry</i> , 2002, 12, 3832-3838.	6.7	63
4	Sol-gel synthesis of hydrotalcite-like compounds. <i>Journal of Materials Science</i> , 2006, 41, 3377-3382.	1.7	52
5	Preparation and Characterization of Montmorillonites Pillared by Cationic Silicon Species. <i>Clays and Clay Minerals</i> , 1994, 42, 161-169.	0.6	39
6	The oxidation of trichloroethylene over different mixed oxides derived from hydrotalcites. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 129-134.	10.8	34
7	ZnAl layered double hydroxides impregnated with eucalyptus oil as efficient hybrid materials against multi-resistant bacteria. <i>Applied Clay Science</i> , 2018, 153, 61-69.	2.6	31
8	Cu Mixed Oxides Based on Hydrotalcite-Like Compounds for the Oxidation of Trichloroethylene. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15772-15779.	1.8	30
9	CuNi/Al hydrotalcites synthesized in presence of microwave irradiation. <i>Materials Letters</i> , 2011, 65, 1663-1665.	1.3	29
10	Removal of chromium(VI) using nano-hydrotalcite/SiO ₂ composite. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1555-1561.	3.3	28
11	Carbonate phobic (Zn,Mn)-Al hydrotalcite-like compounds. <i>Solid State Sciences</i> , 2007, 9, 394-403.	1.5	24
12	Preparation of layered double hydroxide/chlorophyll a hybrid nano-antennae: a key step. <i>Dalton Transactions</i> , 2014, 43, 10521-10528.	1.6	18
13	Effect of structure, morphology and chemical composition of Zn-Al, Mg/Zn-Al and Cu/Zn-Al hydrotalcites on their antifungal activity against <i>A. niger</i> . <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3376-3383.	3.3	18
14	Twofold role of calcined hydrotalcites in the degradation of methyl parathion pesticide. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 99-103.	1.5	17
15	Nanoporous composites prepared by a combination of SBA-15 with Mg-Al mixed oxides. Water vapor sorption properties. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1226-1234.	1.5	16
16	Bactericidal Performance of Chlorophyllin-Copper Hydrotalcite Compounds. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	15
17	Hydrotalcite/hydroxyapatite composites with high bacterial activity against clinical bacteria. A new alternative to prevent osteomyelitis diseases. <i>Microporous and Mesoporous Materials</i> , 2020, 298, 110069.	2.2	15
18	Potassium-containing hydroxylated hydrotalcite as efficient catalyst for the transesterification of sunflower oil. <i>Journal of Materials Science</i> , 2018, 53, 12828-12836.	1.7	14

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19	Enhanced catalytic performance of highly mesoporous hydrotalcite/SBA-15 composites involved in chromene multicomponent synthesis. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110569.	2.2	14
20	New hydroxyapatite-hydrotalcite composites I. synthesis. <i>Journal of Porous Materials</i> , 2009, 16, 401-408.	1.3	13
21	Study of layered double hydroxides as bactericidal materials against <i>Corynebacterium ammoniagenes</i> , a bacterium responsible for producing bad odors from human urine and skin infections. <i>Applied Clay Science</i> , 2019, 180, 105194.	2.6	13
22	Self-assembled thin films of PAA/PAH/TiO ₂ for the photooxidation of ibuprofen. Part II: Characterization, sensitization, kinetics and reutilization. <i>Chemical Engineering Journal</i> , 2019, 361, 1487-1496.	6.6	13
23	Thermal stability of monometallic Co-hydrotalcite. <i>Materials Letters</i> , 2002, 57, 679-683.	1.3	12
24	Washing Effect on the Synthesis of Silica-Pillared Clays. <i>Journal of Porous Materials</i> , 2004, 11, 157-162.	1.3	12
25	Hydrotalcites with heterogeneous anion distributions: a first approach to producing new materials to be used as vehicles for the successive delivery of compounds. <i>Clay Minerals</i> , 2020, 55, 31-39.	0.2	12
26	Towards highly efficient hydrotalcite/hydroxyapatite composites as novel catalysts involved in eco-synthesis of chromene derivatives. <i>Applied Clay Science</i> , 2020, 198, 105833.	2.6	11
27	Exploring and tuning the anchorage of chlorophyllin molecules on anionic clays. <i>Catalysis Today</i> , 2013, 212, 186-193.	2.2	10
28	Defluoridation Performance Comparison of Nano-hydrotalcite/Hydroxyapatite Composite with Calcined Hydrotalcite and Hydroxyapatite. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	7
29	New hydroxyapatite-hydrotalcite composites II. microwave irradiation effect on structure and texture. <i>Journal of Porous Materials</i> , 2009, 16, 409-418.	1.3	6
30	Protein template effect on hydrotalcite morphology. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2638-2642.	1.6	5
31	New template effect in hydrotalcite synthesis. Nodular & layered morphologies. <i>Clays and Clay Minerals</i> , 2010, 58, 340-350.	0.6	4
32	High-Performance Materials Based on Lithium-Containing Hydrotalcite-Bayerite Composites for Biogas Upgrade. <i>Energy & Fuels</i> , 2016, 30, 7474-7480.	2.5	4
33	Stabilization of hemoglobin in double layered hydroxides to be used in carbon monoxide bio-oxidation I-synthesis and characterization. <i>Catalysis Today</i> , 2016, 266, 212-218.	2.2	4
34	High-performance antifungal nanohybrid materials composed of melanin-clays. <i>Applied Clay Science</i> , 2021, 211, 106201.	2.6	4
35	Microwave Effect on Clay Pillaring. , 2010, , 1-21.		3
36	Novel bio-fertilizer based on nitrogen-fixing bacterium immobilized in a hydrotalcite/alginate composite material. <i>Environmental Science and Pollution Research</i> , 2022, 29, 32220-32226.	2.7	3

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37	Synthesis of novel hybrid melanin-hydroxalcite with potential lethal activity against microorganisms. <i>Materials Letters</i> , 2020, 278, 128442.	1.3	2
38	Electrochemical Behavior of (Zn, Mn)-Al Nitrated Hydroxalcites. <i>Journal of New Materials for Electrochemical Systems</i> , 2012, 15, 301-306.	0.3	2
39	Fibrillar Templating of Hydroxalcites. <i>The Open Process Chemistry Journal</i> , 2009, 2, 6-11.	0.2	2
40	Metabolomics profiling of <i>Prunus persica</i> cv. diamante showing symptoms of <i>Rhizopus</i> rot: A new hydroxalcite/shilovite composite to improve fruit quality. <i>Postharvest Biology and Technology</i> , 2022, 188, 111897.	2.9	2
41	LDH/SBA-15 nanocomposite containing nitrogen-fixing bacteria as an efficient biofertilizer. <i>Materials Today Communications</i> , 2022, 31, 103832.	0.9	2
42	Synthesis of Cotton Fibers Impregnated with Bactericidal Hydroxalcites to be used in Medical Textile Supplies. <i>MRS Advances</i> , 2017, 2, 3787-3795.	0.5	1
43	Prepara�o e Caracteriza�o de Filmes Finos Automontados de PAH/PAA/TiO2 Fotossensibilizados com Clorofilina C�prica para a Fotodegrada�o de Paracetamol. <i>Scientia Cum Industria</i> , 2018, 6, 31-38.	0.1	1
44	Effect of copper and eucalyptol on the bactericidal activity of ZnAl- and MgAl-LDH clays. <i>MRS Communications</i> , 2021, 11, 955.	0.8	0