Rodica Zavoianu

List of Publications by Year
in descending order

56	729	566801 15	610482 24
papers	citations	h-index	g-index

58	58	58	864
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The impact of the â€œmemory effectâ€•on the catalytic activity of Mg/Al; Mg,Zn/Al; Mg/Al,Ga hydrotalcite-like compounds used as catalysts for cycloxene epoxidation. Applied Catalysis A: General, 2008, 341, 50-57.	2.2	56
2	Solid base catalysts obtained from hydrotalcite precursors, for Knoevenagel synthesis of cinamic acid and coumarin derivatives. Applied Catalysis A: General, 2006, 308, 13-18.	2.2	45
3	Hydrotalcite like compounds with low Mo-loading active catalysts for selective oxidation of cyclohexene with hydrogen peroxide. Applied Catalysis A: General, 2005, 286, 211-220.	2.2	43
4	Epoxidation of Cyclohexene With H2O2 and Acetonitrile Catalyzed by Mgâ€“Al Hydrotalcite and Cobalt Modified Hydrotalcites. Catalysis Letters, 2010, 134, 309-317.	1.4	41
5	Highlights on the Catalytic Properties of Polyoxometalate-Intercalated Layered Double Hydroxides: A Review. Catalysts, 2020, 10, 57.	1.6	33
6	Mgâ€“Al layered double hydroxides (LDHs) and their derived mixed oxides grown by laser techniques. Applied Surface Science, 2011, 257, 5308-5311.	3.1	31
7	Epoxidation of cyclohexene with O2 and isobutyraldehyde catalysed by cobalt modified hydrotalcites. Journal of Molecular Catalysis A, 2010, 315, 178-186.	4.8	29
8	The effect of ageing step elimination on the memory effect presented by Mg0.75Al0.25 hydrotalcites (HT) and their catalytic activity for cyanoethylation reaction. Catalysis Communications, 2011, 12, 845-850.	1.6	27
9	Oxidative dehydrogenation of -butane over nanostructured silica-supported NiMoO catalysts with low content of active phase. Applied Catalysis A: General, 2006, 298, 40-49.	2.2	23
10	Isobutane oxydehydrogenation on SiO2-supported nickel molybdate catalysts: Effect of the active phase loading. Catalysis Communications, 2002, 3, 85-90.	1.6	18
11	Impact of the memory effect on the catalytic activity of Liâ€“Al hydrotalcite-like compounds for the cyanoethylation reaction. Materials Research Bulletin, 2010, 45, 1106-1111.	2.7	18
12	Mechanochemical versus co-precipitated synthesized lanthanum-doped layered materials for olefin oxidation. Applied Catalysis A: General, 2017, 542, 10-20.	2.2	18
13	Stabilisation of Î²-NiMoO4 in TiO2-supported catalysts. Catalysis Communications, 2001, 2, 37-42.	1.6	17
14	Catalytic behavior of Li-Al-LDH prepared via mechanochemical and co-precipitation routes for cyanoethylation reaction. Catalysis Today, 2021, 366, 227-234.	2.2	17
15	Layered double hydroxides/polymer thin films grown by matrix assisted pulsed laser evaporation. Thin Solid Films, 2013, 543, 63-68.	0.8	16
16	Oxidative dehydrogenation of butane over substoichiometric magnesium vanadate catalysts prepared by citrate route. Journal of Non-Crystalline Solids, 2010, 356, 1488-1497.	1.5	15
17	Addition of Alcohols to Acrylic Compounds Catalyzed by Mgâ€“Al LDH. Catalysis Letters, 2014, 144, 117-122.	1.4	15
18	A comparative study on the catalytic activity of ZnAl, NiAl, and CoAl mixed oxides derived from LDH obtained by mechanochemical method in the synthesis of 2-methylpyrazine. Catalysis Communications, 2020, 133, 105829.	1.6	15

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19	Comparison between MeIIMg/Al hydrotalcites and hydrotalcite-supported Me(II) acetylacetonates (Me(II)=Co, Cu or Ni) catalysts for the epoxidation of cyclohexene with molecular oxygen. Applied Clay Science, 2011, 52, 1-10.	2.6	13
20	Transition metal coordination polymers MeX2(4,4â€²bipyridine) (Me=Co, Ni, Cu; X=Clâ^', CH3OCOâ^',) Tj ETQq0 0 0 rgBT /Overlock 10 T isobutyraldehyde. Journal of Molecular Catalysis A, 2012, 352, 21-30.	4.8	13
21	The investigation of Niâ€“Al and Coâ€“Al based layered double hydroxides and their derived mixed oxides thin films deposited by pulsed laser deposition. Applied Surface Science, 2013, 278, 122-126.	3.1	13
22	Retention of heavy metals on layered double hydroxides thin films deposited by pulsed laser deposition. Applied Surface Science, 2014, 302, 99-104.	3.1	13
23	Mechano-chemical versus co-precipitation for the preparation of Y-modified LDHs for cyclohexene oxidation and Claisen-Schmidt condensations. Applied Catalysis A: General, 2020, 605, 117797.	2.2	13
24	Pulsed laser deposition of Mgâ€“Al layered double hydroxide with Ag nanoparticles. Applied Physics A: Materials Science and Processing, 2013, 110, 841-846.	1.1	12
25	Ethylene selective dimerization on polymer complex catalyst of Ni(4,4â€²-bipyridine)Cl2 coactivated with AlCl(C2H5)2. Journal of Molecular Catalysis A, 2004, 219, 13-19.	4.8	11
26	1-Octene metathesis on silica supported Zr-doped NiMoO4 catalysts. Catalysis Communications, 2005, 6, 321-327.	1.6	11
27	Effect of hydration temperature on the structure reconstruction of MgAlY layered materials. Comptes Rendus Chimie, 2018, 21, 318-326.	0.2	11
28	Ni(2,2â€²-bipyridine)2Cl2 encapsulated in Y zeolite new catalyst for ethylene dimerization. Catalysis Communications, 2005, 6, 415-420.	1.6	10
29	Complex Catalytic Materials Based on the Perovskite-Type Structure for Energy and Environmental Applications. Materials, 2020, 13, 5555.	1.3	10
30	Title is missing!. Reaction Kinetics and Catalysis Letters, 2001, 72, 201-208.	0.6	9
31	Oxidation of tert-butanethiol with air using Mo-containing hydrotalcite-like compounds and their derived mixed oxides as catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2012, 105, 145-162.	0.8	9
32	Functional layered double hydroxides and their catalytic activity for 1,4-addition of n -octanol to 2-propenonitrile. Applied Clay Science, 2017, 146, 411-422.	2.6	9
33	Curcumin Incorporation into Zn3Al Layered Double Hydroxidesâ€”Preparation, Characterization and Curcumin Release. Crystals, 2020, 10, 244.	1.0	9
34	Ce-Containing MgAl-Layered Double Hydroxide-Graphene Oxide Hybrid Materials as Multifunctional Catalysts for Organic Transformations. Materials, 2021, 14, 7457.	1.3	9
35	Adsorption properties of Mgâ€“Al layered double hydroxides thin films grown by laser based techniques. Applied Surface Science, 2012, 258, 9466-9470.	3.1	7
36	Growth and characterization of ternary Ni, Mgâ€“Al and Niâ€“Al layered double hydroxides thin films deposited by pulsed laser deposition. Thin Solid Films, 2016, 614, 36-41.	0.8	7

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37	Exploring an alternative route for meixnerite synthesis. The impact of the gaseous environment on the reconstruction of the lamellar structure and the catalytic performances. Applied Clay Science, 2015, 104, 59-65.	2.6	6
38	Soft synthesis and characterization of goethite-based nanocomposites as promising cyclooctene oxidation catalysts. RSC Advances, 2021, 11, 27589-27602.	1.7	6
39	Organo-layered double hydroxides composite thin films deposited by laser techniques. Applied Surface Science, 2016, 374, 326-330.	3.1	5
40	Pulsed laser deposition of functionalized Mgâ€“Al layered double hydroxide thin films. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	5
41	Enhanced voltammetric response of monosodium glutamate on screen-printed electrodes modified with NiAl layered double hydroxide films. Surfaces and Interfaces, 2021, 24, 101055.	1.5	5
42	The Influence of the Preparation Method on the Physico-Chemical Properties and Catalytic Activities of Ce-Modified LDH Structures Used as Catalysts in Condensation Reactions. Molecules, 2021, 26, 6191.	1.7	5
43	Alternative valorization of red mud waste as functional materials with catalytic activity for sulfide oxidation in wastewater. International Journal of Environmental Science and Technology, 2018, 15, 895-908.	1.8	4
44	Hybrid layered double hydroxides-curcumin thin films deposited via Matrix Assisted Pulsed Laser Evaporation-MAPLE with photoluminescence properties. Applied Surface Science, 2019, 478, 754-761.	3.1	4
45	Green Epoxidation of Olefins with ZnxAl/MgxAl-LDH Compounds: Influence of the Chemical Composition. Catalysts, 2022, 12, 145.	1.6	4
46	Title is missing!. Reaction Kinetics and Catalysis Letters, 2002, 77, 317-324.	0.6	3
47	Detection of copper ions from aqueous solutions using layered double hydroxides thin films deposited by PLD. Applied Surface Science, 2015, 352, 184-188.	3.1	3
48	Stearic Acid/Layered Double Hydroxides Composite Thin Films Deposited by Combined Laser Techniques. Molecules, 2020, 25, 4097.	1.7	3
49	The Influence of the Preparation of Zr(OH)4 Precursor on the Catalytic Performances of ZrO2/SO42- in the Isomerization of n-butane. Revista De Chimie (discontinued), 2008, 59, 292-296.	0.2	3
50	New ways to use the red mud waste as raw material for inorganic- organic hybrid hydrogels. International Journal of Mineral Processing, 2017, 169, 111-118.	2.6	2
51	An Advanced Approach for MgZnAl-LDH Catalysts Synthesis Used in Claisen-Schmidt Condensation. Catalysts, 2022, 12, 759.	1.6	2
52	INFLUENCE OF THE PREPARATION METHOD ON THE AMPICILLIN INCORPORATION IN HYDROTALCITE-LIKE COMPOUNDS. , 2008, , .		1
53	MATERIAL COMPOSITION AND PROPERTIES OF RED MUD COMING FROM DOMESTIC ALUMINA PROCESSING PLANT. , 2017, , .		1
54	24-P-29-Pt-2,2â€²bipyridine complex encapsulated in Y zeolite-catalysts for ethylene selective dimerization. Studies in Surface Science and Catalysis, 2001, , 278.	1.5	0

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55	Oxidative Dehydrogenation of Isobutane on SiO2-Supported Nickel Molybdate Catalysts: Effect of the Active Phase Loading. Chemie-Ingenieur-Technik, 2001, 73, 667-668.	0.4	0
56	LDH-interlayered nanostructures for biomedical and environmental applications. , 2019, , 259-284.		0