Rodica Zavoianu

List of Publications by Year in Descending Order

51 papers	548 citations	13 h-index	20 g-index
58 ext. papers	664 ext. citations	4 avg, IF	3.56 L-index

#	Paper	IF	Citations
51	Green Epoxidation of Olefins with ZnxAl/MgxAl-LDH Compounds: Influence of the Chemical Composition. *Catalysts*, **2022**, 12, 145	4	0
50	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,	4.8	1
49	Enhanced voltammetric response of monosodium glutamate on screen-printed electrodes modified with NiAl layered double hydroxide films. *Surfaces and Interfaces*, **2021**, 24, 101055	4.1	1
48	Catalytic behavior of Li-Al-LDH prepared via mechanochemical and co-precipitation routes for cyanoethylation reaction. *Catalysis Today*, **2021**, 366, 227-234	5.3	4
47	Soft synthesis and characterization of goethite-based nanocomposites as promising cyclooctene oxidation catalysts.. *RSC Advances*, **2021**, 11, 27589-27602	3.7	1
46	Ce-Containing MgAl-Layered Double Hydroxide-Graphene Oxide Hybrid Materials as Multifunctional Catalysts for Organic Transformations. *Materials*, **2021**, 14,	3.5	2
45	Complex Catalytic Materials Based on the Perovskite-Type Structure for Energy and Environmental Applications. *Materials*, **2020**, 13,	3.5	4
44	Curcumin Incorporation into Zn3Al Layered Double Hydroxides: Preparation, Characterization and Curcumin Release. *Crystals*, **2020**, 10, 244	2.3	3
43	Highlights on the Catalytic Properties of Polyoxometalate-Intercalated Layered Double Hydroxides: A Review. *Catalysts*, **2020**, 10, 57	4	17
42	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	5.1	4
41	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	3.2	7
40	LDH-interlayered nanostructures for biomedical and environmental applications **2019**, 259-284		
39	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	6.7	4
38	Pulsed laser deposition of functionalized MgAl layered double hydroxide thin films. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	4
37	Effect of hydration temperature on the structure reconstruction of MgAlY layered materials. *Comptes Rendus Chimie*, **2018**, 21, 318-326	2.7	6
36	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	3.3	4
35	Mechanochemical versus co-precipitated synthesized lanthanum-doped layered materials for olefin oxidation. *Applied Catalysis A: General*, **2017**, 542, 10-20	5.1	10

34	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
33	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	5.2	9
32	Growth and characterization of ternary Ni, MgAl and NiAl layered double hydroxides thin films deposited by pulsed laser deposition. *Thin Solid Films*, **2016**, 614, 36-41	2.2	5
31	Organo-layered double hydroxides composite thin films deposited by laser techniques. *Applied Surface Science*, **2016**, 374, 326-330	6.7	4
30	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	5.2	5
29	Detection of copper ions from aqueous solutions using layered double hydroxides thin films deposited by PLD. *Applied Surface Science*, **2015**, 352, 184-188	6.7	3
28	Addition of Alcohols to Acrylic Compounds Catalyzed by MgAl LDH. *Catalysis Letters*, **2014**, 144, 117-122	2.8	14
27	Retention of heavy metals on layered double hydroxides thin films deposited by pulsed laser deposition. *Applied Surface Science*, **2014**, 302, 99-104	6.7	11
26	Pulsed laser deposition of MgAl layered double hydroxide with Ag nanoparticles. *Applied Physics A: Materials Science and Processing*, **2013**, 110, 841-846	2.6	8
25	The investigation of NiAl and CoAl based layered double hydroxides and their derived mixed oxides thin films deposited by pulsed laser deposition. *Applied Surface Science*, **2013**, 278, 122-126	6.7	10
24	Layered double hydroxides/polymer thin films grown by matrix assisted pulsed laser evaporation. *Thin Solid Films*, **2013**, 543, 63-68	2.2	12
23	Transition metal coordination polymers MeX2(4,4?bipyridine) (Me=Co, Ni, Cu; X=Cl,CH3OCO, acetylacetonate) selective catalysts for cyclohexene epoxidation with molecular oxygen and isobutyraldehyde. *Journal of Molecular Catalysis A*, **2012**, 352, 21-30		11
22	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	1.6	6
21	Adsorption properties of MgAl layered double hydroxides thin films grown by laser based techniques. *Applied Surface Science*, **2012**, 258, 9466-9470	6.7	5
20	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	3.2	24
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	5.2	12
18	MgAl layered double hydroxides (LDHs) and their derived mixed oxides grown by laser techniques. *Applied Surface Science*, **2011**, 257, 5308-5311	6.7	27
17	Oxidative dehydrogenation of butane over substoichiometric magnesium vanadate catalysts prepared by citrate route. *Journal of Non-Crystalline Solids*, **2010**, 356, 1488-1497	3.9	12

16	Epoxidation of Cyclohexene With H2O2 and Acetonitrile Catalyzed by Mg□Al Hydrotalcite and Cobalt Modified Hydrotalcites. *Catalysis Letters*, **2010**, 134, 309-317	2.8	33
15	Impact of the memory effect on the catalytic activity of Li□Al hydrotalcite-like compounds for the cyanoethylation reaction. *Materials Research Bulletin*, **2010**, 45, 1106-1111	5.1	18
14	Epoxidation of cyclohexene with O2 and isobutyraldehyde catalysed by cobalt modified hydrotalcites. *Journal of Molecular Catalysis A*, **2010**, 315, 178-186		27
13	The impact of the □hemory effect□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	5.1	47
12	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	1.8	2
11	Oxidative dehydrogenation of i-butane over nanostructured silica-supported NiMoO4 catalysts with low content of active phase. *Applied Catalysis A: General*, **2006**, 298, 40-49	5.1	20
10	Solid base catalysts obtained from hydrotalcite precursors, for Knoevenagel synthesis of cinamic acid and coumarin derivatives. *Applied Catalysis A: General*, **2006**, 308, 13-18	5.1	41
9	1-Octene metathesis on silica supported Zr-doped NiMoO4 catalysts. *Catalysis Communications*, **2005**, 6, 321-327	3.2	8
8	Ni(2,2?-bipyridine)2Cl2 encapsulated in Y zeolite new catalyst for ethylene dimerization. *Catalysis Communications*, **2005**, 6, 415-420	3.2	9
7	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	5.1	38
6	Ethylene selective dimerization on polymer complex catalyst of Ni(4,4?-bipyridine)Cl2 coactivated with AlCl(C2H5)2. *Journal of Molecular Catalysis A*, **2004**, 219, 13-19		10
5	Study of the acid-base properties of SiO2-supported NiMoO4 catalysts by temperature-programmed desorption: effect of the support. *Reaction Kinetics and Catalysis Letters*, **2002**, 77, 317-324		2
4	Isobutane oxydehydrogenation on SiO2-supported nickel molybdate catalysts: Effect of the active phase loading. *Catalysis Communications*, **2002**, 3, 85-90	3.2	18
3	Oxidative Dehydrogenation of Isobutane on SiO2-Supported Nickel Molybdate Catalysts: Effect of the Active Phase Loading. *Chemie-Ingenieur-Technik*, **2001**, 73, 667-668	0.8	
2	Study of the Acid-Base Properties of sio2-Supported Nimoo4 Catalysts by Temperature-Programmeddesorption. Effect of the Active Phase Content. *Reaction Kinetics and Catalysis Letters*, **2001**, 72, 201-208		7
1	Stabilisation of □NiMoO4 in TiO2-supported catalysts. *Catalysis Communications*, **2001**, 2, 37-42	3.2	15