Vicente Rives

List of Publications by Year
in descending order

337 papers	12,122 citations	25034 57 h-index	40979 93 g-index
346 all docs	346 docs citations	346 times ranked	10026 citing authors

#	Article	IF	Citations
1	Layered double hydroxides (LDH) intercalated with metal coordination compounds and oxometalates. Coordination Chemistry Reviews, 1999, 181, 61-120.	18.8	795
2	Characterisation of layered double hydroxides and their decomposition products. Materials Chemistry and Physics, 2002, 75, 19-25.	4.0	332
3	Intercalation of drugs in layered double hydroxides and their controlled release: A review. Applied Clay Science, 2014, 88-89, 239-269.	5.2	324
4	Preparation Characterization and Photocatalytic Activity of Polycrystalline ZnO/TiO2 Systems. 2. Surface, Bulk Characterization, and 4-Nitrophenol Photodegradation in Liquidâ"Solid Regime. Journal of Physical Chemistry B, 2001, 105, 1033-1040.	2.6	264
5	Improvement of Quality in Publication of Experimental Thermophysical Property Data: Challenges, Assessment Tools, Global Implementation, and Online Support. Journal of Chemical & Engineering Data, 2013, 58, 2699-2716.	1.9	236
6	Preparation Characterization and Photocatalytic Activity of Polycrystalline ZnO/TiO2 Systems. 1. Surface and Bulk Characterization. Journal of Physical Chemistry B, 2001, 105, 1026-1032.	2.6	221
7	Layered double hydroxides with the hydrotalcite-type structure containing Cu2+, Ni2+ and Al3+. Journal of Materials Chemistry, 2000, 10, 489-495.	6.7	219
8	Layered double hydroxides as drug carriers and for controlled release of non-steroidal antiinflammatory drugs (NSAIDs): A review. Journal of Controlled Release, 2013, 169, 28-39.	9.9	204
9	Reconstruction of layered double hydroxides from calcined precursors: a powder XRD and 27Al MAS NMR study. Journal of Materials Chemistry, 1999, 9, 2499-2503.	6.7	203
10	Exfoliated titanate, niobate and titanoniobate nanosheets as solid acid catalysts for the liquid-phase dehydration of d-xylose into furfural. Journal of Catalysis, 2006, 244, 230-237.	6.2	187
11	Mg,Al layered double hydroxides with intercalated indomethacin: Synthesis, characterization, and pharmacological study. Journal of Pharmaceutical Sciences, 2004, 93, 1649-1658.	3.3	171
12	The effect of iron on the crystalline phases formed upon thermal decomposition of Mg-Al-Fe hydrotalcites. Journal of Materials Chemistry, 1998, 8, 2507-2514.	6.7	152
13	Synthesis and characterization of layered double hydroxides (LDH) intercalated with non-steroidal anti-inflammatory drugs (NSAID). Journal of Solid State Chemistry, 2004, 177, 3954-3962.	2.9	127
14	Structural Characterization and Delamination of Lactate-Intercalated Zn,Al-Layered Double Hydroxides. Chemistry of Materials, 2006, 18, 3114-3121.	6.7	127
15	Synthesis and Characterization of Hydrotalcites Containing Ni(II) and Fe(III) and Their Calcination Products. Chemistry of Materials, 1999, 11, 624-633.	6.7	124
16	Comparative Study of the Synthesis and Properties of Vanadate-Exchanged Layered Double Hydroxides. Inorganic Chemistry, 1994, 33, 2592-2599.	4.0	122
17	Preparation and properties of new flame retardant unsaturated polyester nanocomposites based on layered double hydroxides. Polymer Degradation and Stability, 2009, 94, 939-946.	5.8	114
18	Effect of chemical modification of palygorskite and sepiolite by 3-aminopropyltriethoxisilane on adsorption of cationic and anionic dyes. Applied Clay Science, 2017, 135, 394-404.	5.2	112

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19	A comparative study between chloride and calcined carbonate hydrotalcites as adsorbents for Cr(VI). Applied Clay Science, 2007, 37, 231-239.	5.2	108
20	Catalytic hydroxylation of phenol over ternary hydrotalcites containing Cu, Ni and Al. Journal of Molecular Catalysis A, 2002, 181, 151-160.	4.8	104
21	Influence of microwave radiation on the textural properties of layered double hydroxides. Microporous and Mesoporous Materials, 2006, 94, 148-158.	4.4	104
22	Effect of the Mg:Al Ratio on Borate (or Silicate)/Nitrate Exchange in Hydrotalcite. Journal of Solid State Chemistry, 2000, 151, 272-280.	2.9	100
23	Bioinorganic Magnetic Coreâ^'Shell Nanocomposites Carrying Antiarthritic Agents: Intercalation of Ibuprofen and Glucuronic Acid into Mgâ^'Alâ^'Layered Double Hydroxides Supported on Magnesium Ferrite. Inorganic Chemistry, 2009, 48, 8871-8877.	4.0	99
24	Synthesis, characterization and catalytic hydroxylation of phenol over CuCoAl ternary hydrotalcites. Physical Chemistry Chemical Physics, 2001, 3, 4826-4836.	2.8	95
25	Surface characterisation of metal ions loaded TiO2 photocatalysts: structureâ€"activity relationship. Applied Catalysis B: Environmental, 2004, 48, 223-233.	20.2	92
26	Synergistic effect in the hydroxylation of phenol over CoNiAl ternary hydrotalcites. Journal of Catalysis, 2003, 220, 161-171.	6.2	88
27	Title is missing!. Catalysis Letters, 1997, 49, 235-243.	2.6	86
28	Zn,Al hydrotalcites calcined at different temperatures: Preparation, characterization and photocatalytic activity in gasâ€"solid regime. Journal of Molecular Catalysis A, 2011, 342-343, 83-90.	4.8	86
29	Nanosize cobalt oxide-containing catalysts obtained through microwave-assisted methods. Catalysis Today, 2007, 128, 129-137.	4.4	84
30	Anionic clays with variable valence cations: synthesis and characterization of cobalt aluminum hydroxide carbonate hydrate [Co1-xAlx(OH)2](CO3)x/2.cntdot.nH2O. Chemistry of Materials, 1991, 3, 626-630.	6.7	83
31	Release studies of different NSAIDs encapsulated in Mg,Al,Fe-hydrotalcites. Applied Clay Science, 2009, 42, 538-544.	5.2	81
32	Thermal Evolution of Chromium(III) Ions in Hydrotalcite-like Compounds. Inorganic Chemistry, 1996, 35, 5313-5318.	4.0	80
33	New Hydrotalcite-like Compounds Containing Yttrium. Chemistry of Materials, 1997, 9, 312-318.	6.7	80
34	Structural Analysis of Silica-Supported Tungstates. Journal of Physical Chemistry B, 1998, 102, 2759-2768.	2.6	80
35	Cobaltâ€"iron hydroxycarbonates and their evolution to mixed oxides with spinel structure. Journal of Materials Chemistry, 1998, 8, 761-767.	6.7	76
36	High-temperature transformations of Cu-rich hydrotalcites. Journal of Solid State Chemistry, 2004, 177, 319-331.	2.9	76

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37	Microwave-Assisted Homogeneous Precipitation of Hydrotalcites by Urea Hydrolysis. Inorganic Chemistry, 2008, 47, 5453-5463.	4.0	76
38	Influence of tungsten oxide on structural and surface properties of solâ€“gel prepared TiO2employed for 4-nitrophenol photodegradation. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 819-829.	1.7	75
39	Preparation and Study of Decavanadate-Pillared Hydrotalcite-like Anionic Clays Containing Transition Metal Cations in the Layers. 1. Samples Containing Nickel-Aluminum Prepared by Anionic Exchange and Reconstruction. Inorganic Chemistry, 1995, 34, 5114-5121.	4.0	72
40	X-ray photoelectron spectroscopy, temperature-programmed desorption and temperature-programmed reduction study of LaNiO3 and La2NiO4 +? catalysts for methanol oxidation. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 1987.	1.7	70
41	Microwave-hydrothermally aged Zn,Al hydrotalcite-like compounds: Influence of the composition and the irradiation conditions. Microporous and Mesoporous Materials, 2008, 110, 292-302.	4.4	70
42	Drug release from layered double hydroxides and from their polylactic acid (PLA) nanocomposites. Applied Clay Science, 2013, 71, 1-7.	5.2	70
43	Synthesis and Characterization of Polyoxovanadate-Pillared Znâ^'Al Layered Double Hydroxides:Â An X-ray Absorption and Diffraction Study. Inorganic Chemistry, 1998, 37, 1812-1820.	4.0	69
44	Characterization of Niâ€“Mgâ€“Al mixed oxides and their catalytic activity in oxidative dehydrogenation of n-butane and propene. Applied Catalysis A: General, 2001, 214, 219-228.	4.3	66
45	Uniform Fast Growth of Hydrotalcite-like Compounds. Crystal Growth and Design, 2006, 6, 1961-1966.	3.0	66
46	Preparation and thermal stability of manganese-containing hydrotalcite, [Mg0.75MnII0.04MnIII0.21(OH)2](CO3)0.11Â·nH2O. Journal of Materials Chemistry, 1994, 4, 1117-1121.	6.7	65
47	New Highly Luminescent Hybrid Materials: Terbium Pyridineâ^'Picolinate Covalently Grafted on Kaolinite. ACS Applied Materials & Interfaces, 2011, 3, 1311-1318.	8.0	65
48	Surface properties of iron-titania photocatalysts employed for 4-nitrophenol photodegradation in aqueous TiO2 dispersion. Catalysis Letters, 1994, 24, 303-315.	2.6	64
49	Nb2O5-supported WO3: a comparative study with WO3/Al2O3. Catalysis Today, 2003, 78, 365-376.	4.4	62
50	Stabilization of Co2+ in layered double hydroxides (LDHs) by microwave-assisted ageing. Journal of Solid State Chemistry, 2007, 180, 873-884.	2.9	62
51	Production of carbon nanotubes from methaneUse of Co-Zn-Al catalysts prepared by microwave-assisted synthesis. Chemical Engineering Journal, 2009, 149, 455-462.	12.7	62
52	Comment on â€œDirect Observation of a Metastable Solid Phase of Mg/Al/CO3-Layered Double Hydroxide by Means of High-Temperature in Situ Powder XRD and DTA/TGâ€1. Inorganic Chemistry, 1999, 38, 406-407.	4.0	61
53	Kaolinite-titanium oxide nanocomposites prepared via sol-gel as heterogeneous photocatalysts for dyes degradation. Catalysis Today, 2015, 246, 133-142.	4.4	61
54	Preparation and characterisation of TiO2 (anatase) supported on TiO2 (rutile) catalysts employed for 4-nitrophenol photodegradation in aqueous medium and comparison with TiO2 (anatase) supported on Al2O3. Applied Catalysis B: Environmental, 1999, 20, 29-45.	20.2	60

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55	Structural and Texture Evolution with Temperature of Layered Double Hydroxides Intercalated with Paramolybdate Anions. Inorganic Chemistry, 2006, 45, 1243-1251.	4.0	60
56	Favourable influence of hydrophobic surfaces on protein structure in porous organically-modified silica glasses. Biomaterials, 2008, 29, 2710-2718.	11.4	60
57	Thermal behaviour of Znâ€“Cr layered double hydroxides with hydrotalcite-like structures containing carbonate or decavanadate. Journal of Materials Chemistry, 1996, 6, 1419-1428.	6.7	59
58	Microwave-treated layered double hydroxides containing Ni2+ and Al3+: The effect of added Zn2+. Journal of Solid State Chemistry, 2006, 179, 3784-3797.	2.9	59
59	Organically Modified Saponites: SAXS Study of Swelling and Application in Caffeine Removal. ACS Applied Materials & Interfaces, 2015, 7, 10853-10862.	8.0	58
60	Effect of post-synthesis microwaveâ€“hydrothermal treatment on the properties of layered double hydroxides and related materials. Applied Clay Science, 2010, 48, 218-227.	5.2	57
61	New layered double hydroxides with the hydrotalcite structure containing Ni(II) and V(III). Journal of Materials Chemistry, 1999, 9, 1033-1039.	6.7	55
62	Characterization of Intercalated Ni/Al Hydrotalcites Prepared by the Partial Decomposition of Urea. Crystal Growth and Design, 2006, 6, 1533-1536.	3.0	55
63	Preparation, physicochemical characterisation and magnetic properties of Cuâ€“Al layered double hydroxides with CO32â^' and anionic surfactants with different alkyl chains in the interlayer. Physica B: Condensed Matter, 2006, 373, 267-273.	2.7	55
64	Acetylene hydrogenation on Niâ€“Alâ€“Cr oxide catalysts: the role of added Zn. Applied Clay Science, 1998, 13, 363-379.	5.2	54
65	A FTIR spectroscopic study of surface acidity and basicity of mixed Mg, Al-oxides obtained by thermal decomposition of hydrotalcite. Spectrochimica Acta Part A: Molecular Spectroscopy, 1993, 49, 1575-1582.	0.1	53
66	Use of hydrotalcites as catalytic precursors of multimetallic mixed oxides. Application in the hydrogenation of acetylene. Applied Catalysis A: General, 1999, 185, 53-63.	4.3	53
67	Synthesis and Characterization of Hydrotalcite-like Compounds Containing V3+in the Layers and of Their Calcination Products. Inorganic Chemistry, 1996, 35, 1154-1160.	4.0	52
68	Synthesis, characterisation and delamination behaviour of lactate-intercalated Mg,Al-hydrotalcite-like compounds. Solid State Sciences, 2008, 10, 1333-1341.	3.2	52
69	An FT-IR study of the adsorption of pyridine, formic acid and acetic acid on magnesia and molybdena-magnesia. Journal of Molecular Catalysis, 1992, 73, 51-63.	1.2	51
70	Hexacyanoferrate-interlayered hydrotalcite. Solid State Ionics, 1996, 92, 273-283.	2.7	51
71	Influence of the inorganic matrix nature on the sustained release of naproxen. Microporous and Mesoporous Materials, 2010, 130, 229-238.	4.4	51
72	Preparation and Study of Decavanadate-Pillared Hydrotalcite-like Anionic Clays Containing Transition Metal Cations in the Layers. 2. Samples containing Magnesium-Chromium and Nickel-Chromium. Inorganic Chemistry, 1995, 34, 5122-5128.	4.0	50

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73	Synthesis and Characterization of New Hydrotalcite-like Compounds Containing Ni(II) and Mn(III) in the Hydroxide Layers and of Their Calcination Products. Journal of Solid State Chemistry, 1996, 124, 205-213.	2.9	50
74	Layered Ni(ii)-Zn(ii) hydroxyacetates. Anion exchange and thermal decomposition of the hydroxysalts obtainedElectronic supplementary information (ESI): PXRD and FTIR of all four NiZn samples; PXRD of calcined chloride, bromide, carbonate and nitrate samples. See http://www.rsc.org/suppdata/jm/b1/b110145e. Journal of Materials Chemistry, 2002, 12, 1071-1078.	6.7	50
75	Effect of thermal treatments on the properties of V2O5/TiO2 and MoO3/TiO2 systems. Journal of Catalysis, 1986, 99, 19-27.	6.2	49
76	Structural and surface characterization of the polycrystalline system CrxOy Â· TiO2 employed for photoreduction of dinitrogen and photodegradation of phenol. Journal of Catalysis, 1992, 134, 434-444.	6.2	49
77	Synthesis and Characterization of New Mg2Al-Paratungstate Layered Double Hydroxides. Inorganic Chemistry, 2004, 43, 375-384.	4.0	49
78	Microwave-assisted reconstruction of Ni,Al hydrotalcite-like compounds. Journal of Solid State Chemistry, 2008, 181, 987-996.	2.9	49
79	Preparation, characterization and application of nanosized copper ferrite photocatalysts for dye degradation under UV irradiation. Materials Chemistry and Physics, 2015, 160, 271-278.	4.0	49
80	PMo or PW heteropoly acids supported on MCM-41 silica nanoparticles: Characterisation and FT-IR study of the adsorption of 2-butanol. Journal of Solid State Chemistry, 2008, 181, 2046-2057.	2.9	48
81	Characterisation of Diclofenac, Ketoprofen or Chloramphenicol Succinate encapsulated in layered double hydroxides with the hydrotalcite-type structure. Applied Clay Science, 2012, 55, 158-163.	5.2	47
82	Simulation three-way catalyst ageing Analysis of two conventional catalyst. Applied Catalysis B: Environmental, 2003, 44, 41-52.	20.2	46
83	Intercalation of [Cr(C2O4)3]3- Complex in Mg,Al Layered Double Hydroxides. Inorganic Chemistry, 2003, 42, 4232-4240.	4.0	46
84	Inorganic gels as precursors of TiO2 photocatalysts prepared by low temperature microwave or thermal treatment. Applied Catalysis B: Environmental, 2008, 84, 742-748.	20.2	46
85	In situ microwaveâ€assisted polymerization of polyethylene terephtalate in layered double hydroxides. Journal of Applied Polymer Science, 2008, 109, 1388-1394.	2.6	44
86	Effect of dopants on the structure of titanium oxide used as a photocatalyst for the removal of emergent contaminants. Journal of Industrial and Engineering Chemistry, 2017, 53, 183-191.	5.8	44
87	FT-IR Assessment Through Pyridine Adsorption of the Surface Acidity of Alkali-Doped MoO3/TiO2. Journal of Catalysis, 1994, 146, 415-421.	6.2	43
88	Application of temperature-programmed reduction to the characterization of anionic clays. Applied Clay Science, 1995, 10, 83-93.	5.2	43
89	Effect of consecutive and alternative oxidation and reduction treatments on the interactions between titania (anatase and rutile) and copper. Journal of Catalysis, 1988, 113, 120-128.	6.2	42
90	A new hydrotalcite-like compound containing vanadium(3+) ions in the layers. Inorganic Chemistry, 1993, 32, 5000-5001.	4.0	42

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91	Preparation and characterisation of Mn- and Co-supported catalysts derived from Al-pillared clays and Mn- and Co-complexes. Applied Catalysis A: General, 2004, 267, 47-58.	4.3	42
92	Multiwavelength Luminescence in Lanthanide-Doped Hydrocalumite and Mayenite. Chemistry of Materials, 2011, 23, 1993-2004.	6.7	42
93	Synthesis of Zeolite A from Metakaolin and Its Application in the Adsorption of Cationic Dyes. Applied Sciences (Switzerland), 2018, 8, 608.	2.5	41
94	Adsorption and Desorption of N-Methyl 8-Hydroxy Quinoline Methyl Sulfate on Smectite and the Potential Use of the Clay-Organic Product as an Ultraviolet Radiation Collector. Clays and Clay Minerals, 1989, 37, 157-163.	1.3	39
95	Solubility and release of fenbufen intercalated in Mg, Al and Mg, Al, Fe layered double hydroxides (LDH): The effect of EudragitÂ® S 100 covering. Journal of Solid State Chemistry, 2010, 183, 3002-3009.	2.9	39
96	Microwaves and layered double hydroxides: A smooth understanding. Pure and Applied Chemistry, 2009, 81, 1459-1471.	1.9	38
97	CuAlFe layered double hydroxides with and anionic surfactants with different alkyl chains in the interlayer. Solid State Sciences, 2005, 7, 931-935.	3.2	37
98	Intercalation of mefenamic and meclofenamic acid anions in hydrotalcite-like matrixes. Applied Clay Science, 2007, 36, 133-140.	5.2	37
99	A FT-IR and V-UV Spectroscopic Study of Nickel-Containing Hydrotalcite-Like Compounds, [Ni_{1â^'x}Al_x(OH)₂](CO₃)_{x/2}.nH₂O. Spectroscopy Letters, 1991, 24, 499-508.	1.0	36
100	Title is missing!. Journal of Materials Science, 2003, 38, 2815-2824.	3.7	36
101	Carboxylate-intercalated layered double hydroxides aged under microwaveâ€“hydrothermal treatment. Journal of Solid State Chemistry, 2009, 182, 18-26.	2.9	36
102	Structural characterization and thermal properties of polyamide 6.6/Mg, Al/adipate-LDH nanocomposites obtained by solid state polymerization. Journal of Solid State Chemistry, 2010, 183, 1645-1651.	2.9	36
103	Microwave radiation and mechanical grinding as new ways for preparation of saponite-like materials. Applied Clay Science, 2010, 48, 32-38.	5.2	36
104	Structural, textural and acidic properties of Cu-, Fe- and Cr-doped Ti-pillared montmorillonites. Applied Clay Science, 2015, 118, 124-130.	5.2	36
105	Bioencapsulation of apomyoglobin in nanoporous organosilica solâ€“gel glasses: Influence of the siloxane network on the conformation and stability of a model protein. Biopolymers, 2009, 91, 895-906.	2.4	35
106	An alternative route to polyoxometalate-exchanged layered double hydroxides: the use of ultrasound. Journal of Materials Science Letters, 1997, 16, 27-29.	0.5	34
107	MoO3/M9O systems: Effect of preparation method on their physicochemical properties. Journal of Catalysis, 1992, 135, 1-12.	6.2	33
108	Preparation and Study of Decavanadate-Pillared Hydrotalcite-like Anionic Clays Containing Cobalt and Chromium. Inorganic Chemistry, 1996, 35, 6362-6372.	4.0	33

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109	Tungstophosphoric acid supported on polycrystalline TiO2 for the photodegradation of 4-nitrophenol in aqueous solution and propan-2-ol in vapour phase. Applied Catalysis A: General, 2009, 356, 172-179.	4.3	33
110	Weathering and decay of granitic rocks: its relation to their pore network. Mechanics of Materials, 2000, 32, 555-560.	3.2	32
111	Preparation and Properties of Nickel and Iron Oxides obtained by Calcination of Layered Double Hydroxides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 2142-2150.	1.2	32
112	Vapor-phase alkylation of toluene by benzyl alcohol on H3PO4-modified MCM-41 mesoporous silicas. Catalysis Communications, 2007, 8, 49-56.	3.3	32
113	Preparation, characterization and photocatalytic activity of TiO2 impregnated with the heteropolyacid H3PW12O40: Photo-assisted degradation of 2-propanol in gasâ€“solid regime. Applied Catalysis B: Environmental, 2009, 90, 497-506.	20.2	32
114	FTIR study of isopropanol reactivity on calcined layered double hydroxides. Physical Chemistry Chemical Physics, 2001, 3, 119-126.	2.8	31
115	Nickelâ€“aluminum layered double hydroxides prepared via inverse micelles formation. Journal of Solid State Chemistry, 2009, 182, 1593-1601.	2.9	31
116	Surface Species Formed upon Supporting Molybdena on Alumina by Mechanically Mixing Both Oxides. Journal of Catalysis, 1993, 141, 48-57.	6.2	30
117	Oxidative dehydrogenation of propane on Mg-V-Al mixed oxides. Applied Catalysis A: General, 2008, 342, 93-98.	4.3	30
118	Dispersion of layered double hydroxides in poly(ethylene terephthalate) by in situ polymerization and mechanical grinding. Applied Clay Science, 2009, 45, 44-49.	5.2	30
119	Inclusion and Release of Fenbufen in Mesoporous Silica. Journal of Pharmaceutical Sciences, 2010, 99, 3372-3380.	3.3	30
120	Synthesis of pollucite and analcime zeolites by recovering aluminum from a saline slag. Journal of Cleaner Production, 2021, 297, 126667.	9.3	30
121	Reactivity of CO with A Rh/TiO2 catalyst. Journal of Molecular Catalysis, 1982, 17, 231-240.	1.2	28
122	Metatungstate and tungstoniobate-containing LDHs: Preparation, characterisation and activity in epoxidation of cyclooctene. Journal of Physics and Chemistry of Solids, 2007, 68, 1872-1880.	4.0	28
123	Sodium-doped V2O5/TiO2 systems: An XRD, DTA, TG/DTG, IR, V-UV, TPR, and XANES study. Journal of Catalysis, 1992, 134, 47-57.	6.2	27
124	Rotational Fluctuations of Water Confined to Layered Oxide Materials:â€‰ Nonmonotonous Temperature Dependence of Relaxation Times. Journal of Physical Chemistry A, 2007, 111, 5166-5175.	2.5	27
125	Synthesis of paracetamol by liquid phase Beckmann rearrangement of 4-hydroxyacetophenone oxime over H3PO4/Al-MCM-41. Catalysis Communications, 2009, 10, 1486-1492.	3.3	27
126	Rapid microwave-assisted synthesis of saponites and their use as oxidation catalysts. Applied Clay Science, 2011, 53, 326-330.	5.2	27

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127	Layered double hydroxide/polyethylene terephthalate nanocomposites. Influence of the intercalated LDH anion and the type of polymerization heating method. Journal of Solid State Chemistry, 2011, 184, 2862-2869.	2.9	27
128	Guidelines for reporting of phase equilibrium measurements (IUPAC Recommendations 2012). Pure and Applied Chemistry, 2012, 84, 1785-1813.	1.9	27
129	Characterization of Chromium Ion-Doped Titania by FTIR and XPS. Journal of Catalysis, 1994, 147, 115-122.	6.2	26
130	A FTIR spectroscopy study of isopropanol reactivity on alkali-metal-doped MoO3/TiO2 catalysts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1996, 52, 733-740.	3.9	26
131	Synthesis and Textural Characterization of a New Microporous Silica Material. Langmuir, 2002, 18, 4103-4110.	3.5	26
132	Raman Spectrum of the Split Î½4Mode of CO[dbnd]3Ions in Aragonite. Spectroscopy Letters, 1979, 12, 733-738.	1.0	25
133	Reactivity of vanadia with silica, alumina, and titania surfaces. Langmuir, 1990, 6, 801-806.	3.5	25
134	Selective oxidation of isobutene to methacrolein on multiphasic molybdate-based catalysts. Applied Catalysis A: General, 1996, 135, 95-123.	4.3	25
135	Reduction of Ni2+â^'Al3+ and Cu2+â^'Al3+ Layered Double Hydroxides to Metallic Ni0 and Cu0 via Polyol Treatment. Chemistry of Materials, 1997, 9, 2231-2235.	6.7	25
136	Versatile heterogeneous dipicolinate complexes grafted into kaolinite: Catalytic oxidation of hydrocarbons and degradation of dyes. Catalysis Today, 2014, 227, 105-115.	4.4	25
137	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
138	Surface structure and reactivity of molybdenaâ€“titania catalysts prepared by different methods. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1071-1078.	1.7	24
139	Precursor dependence of the nature and structure of non-stoichiometric magnesium aluminium vanadates. Journal of Materials Chemistry, 1996, 6, 1199.	6.7	24
140	Microporosity and Acidity Properties of Alumina Pillared Titanates. Langmuir, 1999, 15, 1090-1095.	3.5	24
141	Chromium and yttrium-doped magnesium aluminum oxides prepared from layered double hydroxides. Solid State Sciences, 2007, 9, 1115-1125.	3.2	24
142	Solubility and release of fenamates intercalated in layered double hydroxides. Clay Minerals, 2008, 43, 255-265.	0.6	24
143	Surface and textural properties of hydrotalcite-like materials and their decomposition products. Studies in Surface Science and Catalysis, 1994, 87, 507-515.	1.5	23
144	FT-IR Spectroscopy Study of Surface Acidity and 2-Propanol Decomposition on Mixed Oxides Obtained upon Calcination of Layered Double Hydroxides. Langmuir, 1997, 13, 2303-2306.	3.5	23

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145	Synthesis and characterization of a new mesoporous alumina-pillared titanate with a double-layer arrangement structure. Journal of Materials Chemistry, 2000, 10, 497-501.	6.7	23
146	An X-ray Diffraction and Absorption Study of the Phases Formed upon Calcination of Znâ^'Alâ^'Fe Hydrotalcites. Chemistry of Materials, 2001, 13, 1518-1527.	6.7	23
147	An FT-IR study of the adsorption of isopropanol on calcined layered double hydroxides containing isopolymolybdate. Catalysis Today, 2007, 126, 153-161.	4.4	23
148	Tetracarboxyphenylporphyrinâ€"Kaolinite Hybrid Materials as Efficient Catalysts and Antibacterial Agents. Journal of Physical Chemistry C, 2014, 118, 24562-24574.	3.1	23
149	Luminescence properties of lanthanide-containing layered double hydroxides. Microporous and Mesoporous Materials, 2016, 226, 209-220.	4.4	23
150	Photocatalytic degradation of trimethoprim on doped Ti-pillared montmorillonite. Applied Clay Science, 2019, 167, 43-49.	5.2	23
151	Aminoiron(III)â€"porphyrinâ€"alumina catalyst obtained by non-hydrolytic sol-gel process for heterogeneous oxidation of hydrocarbons. Molecular Catalysis, 2019, 462, 114-125.	2.0	23
152	Effect of strong metal-support interactions on the catalytic reduction of NO by TiO2-supported rhodium. Applications of Surface Science, 1980, 6, 122-137.	1.0	22
153	Preparation and characterisation of vanadium catalysts supported over alumina-pillared clays. Catalysis Today, 2003, 78, 181-190.	4.4	22
154	Incidence of Microwave Hydrothermal Treatments on the Crystallinity Properties of Hydrotalciteâ€like Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1815-1819.	1.2	22
155	Intercalation of metal-edta complexes in Niâ€"Zn layered hydroxysalts and study of their thermal stability. Microporous and Mesoporous Materials, 2008, 112, 262-272.	4.4	22
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