

Miguel A Vicente

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5608740/publications.pdf>

Version: 2024-02-01

188
papers

6,943
citations

66234

42
h-index

74018

75
g-index

192
all docs

192
docs citations

192
times ranked

5846
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of birnessite-type solids prepared by sol-gel and oxidation methods in photocatalytic degradation of 4-nitrophenol. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 402-410.	1.2	3
2	Progress and perspectives for the use of pillared clays as adsorbents for organic compounds in aqueous solution. <i>Reviews in Chemical Engineering</i> , 2022, 38, 301-325.	2.3	12
3	A comparative study of acid and alkaline aluminum extraction valorization procedure for aluminum saline slags. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107546.	3.3	14
4	Fast and Clean Synthesis of Nylon-6/Synthetic Saponite Nanocomposites. <i>Materials</i> , 2022, 15, 163.	1.3	1
5	Thermal study of the hydrocalumite-kaolinite-calcite system. <i>Thermochimica Acta</i> , 2022, 713, 179242.	1.2	10
6	Synthesis of pollucite and analcime zeolites by recovering aluminum from a saline slag. <i>Journal of Cleaner Production</i> , 2021, 297, 126667.	4.6	30
7	Grafting of L-proline and L-phenylalanine amino acids on kaolinite through synthesis catalyzed by boric acid. <i>Applied Surface Science Advances</i> , 2021, 4, 100081.	2.9	0
8	Titania-triethanolamine-kaolinite nanocomposites as adsorbents and photocatalysts of herbicides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 419, 113483.	2.0	7
9	A review of organic-inorganic hybrid clay based adsorbents for contaminants removal: Synthesis, perspectives and applications. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105808.	3.3	59
10	Non-hydrolytic sol-gel synthesis of mesoporous iron-aluminum oxide and their properties in the oxidation of hydrocarbons by hydrogen peroxide. <i>Microporous and Mesoporous Materials</i> , 2021, 325, 111317.	2.2	3
11	Optimization of hydrocalumite preparation under microwave irradiation for recovering aluminium from a saline slag. <i>Applied Clay Science</i> , 2021, 212, 106217.	2.6	13
12	Comment on "Synthesis and characterization of a novel nickel pillared clay catalyst: In situ carbon nanotube-clay hybrid nanofiller from Ni-PILC", by M. Asgari, G. Vitale, U. Sundararaj [Applied Clay Science 205 (2021) 106064, doi:10.1016/j.clay.2021.106064]. <i>Applied Clay Science</i> , 2021, 213, 106267.	2.6	1
13	Effect of the preparation method and metal content on the synthesis of metal modified titanium oxide used for the removal of salicylic acid under UV light. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2073-2084.	1.2	9
14	Progress and perspectives on pillared clays applied in energetic and environmental remediation processes. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 21, 56-63.	3.2	18
15	Inorganic-organic hybrids based on sepiolite as efficient adsorbents of caffeine and glyphosate pollutants. <i>Applied Surface Science Advances</i> , 2020, 1, 100025.	2.9	12
16	Effect of the surface properties of Me ₂ +/Al layered double hydroxides synthesized from aluminum saline slag wastes on the adsorption removal of drugs. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110560.	2.2	29
17	Saline slag waste as an aluminum source for the synthesis of Zn-Al-Fe-Ti layered double-hydroxides as catalysts for the photodegradation of emerging contaminants. <i>Journal of Alloys and Compounds</i> , 2020, 843, 156007.	2.8	21
18	Zn-Ti-Al layered double hydroxides synthesized from aluminum saline slag wastes as efficient drug adsorbents. <i>Applied Clay Science</i> , 2020, 187, 105486.	2.6	41

#	ARTICLE	IF	CITATIONS
19	Hydrotalcite-like compounds and related materials as catalysts for the photodegradation of pharmaceutical compounds: Synthesis and catalytic performances. , 2020, , 79-90.		1
20	Luminescent properties of biohybrid (kaolinite-proline) materials synthesized by a new boric acid catalyzed route and complexed to Eu ³⁺ . Applied Clay Science, 2020, 192, 105634.	2.6	3
21	Preparation of Al/Fe-PILC clay catalysts from concentrated precursors: enhanced hydrolysis of pillaring metals and intercalation. RSC Advances, 2020, 10, 40450-40460.	1.7	5
22	Synthesis of 1,5-benzodiazepine from 1,2-phenylenediamine and acetone in the presence of catalytic systems based on montmorillonite: effect of the surface acidity. Reaction Kinetics, Mechanisms and Catalysis, 2019, 127, 41-52.	0.8	4
23	Fly ash as photo-Fenton catalyst for the degradation of amoxicillin. Journal of Environmental Chemical Engineering, 2019, 7, 103274.	3.3	31
24	Effect of High Pressure on the Reducibility and Dispersion of the Active Phase of Fischer-Tropsch Catalysts. Materials, 2019, 12, 1915.	1.3	3
25	White and Red Brazilian Simões Kaolinite-TiO ₂ Nanocomposites as Catalysts for Toluene Photodegradation from Aqueous Solutions. Materials, 2019, 12, 3943.	1.3	9
26	Catalytic activity of porphyrin-catalysts immobilized on kaolinite. Applied Clay Science, 2019, 168, 469-477.	2.6	14
27	Energy storage materials from clay minerals and zeolite-like structures. , 2019, , 275-288.		0
28	Effective degradation of methylene blue in aqueous solution using Pd-supported Cu-doped Ti-pillared montmorillonite catalyst. Applied Clay Science, 2019, 168, 7-10.	2.6	45
29	Photocatalytic degradation of trimethoprim on doped Ti-pillared montmorillonite. Applied Clay Science, 2019, 167, 43-49.	2.6	23
30	Aminoiron(III)-porphyrin-alumina catalyst obtained by non-hydrolytic sol-gel process for heterogeneous oxidation of hydrocarbons. Molecular Catalysis, 2019, 462, 114-125.	1.0	23
31	Pd supported on Cu-doped Ti-pillared montmorillonite as catalyst for the Ullmann coupling reaction. Applied Clay Science, 2018, 160, 126-131.	2.6	17
32	Development of Mn or Fe sulfides in the interlayer space of raw and Al-pillared bentonite. Applied Clay Science, 2018, 157, 31-40.	2.6	1
33	Synthesis and CO ₂ adsorption properties of hydrotalcite-like compounds prepared from aluminum saline slag wastes. Chemical Engineering Journal, 2018, 334, 1341-1350.	6.6	69
34	10 kg scaled-up preparation of Al/Fe-pillared clay CWPO catalysts from concentrated precursors. Green Chemistry, 2018, 20, 5196-5208.	4.6	28
35	Application of Industrial Wastes from Chemically Treated Aluminum Saline Slags as Adsorbents. ACS Omega, 2018, 3, 18275-18284.	1.6	23
36	Adsorption-Based Synthesis of Environmentally Friendly Heterogeneous Chromium(III) Catalysts for Oxidation Reactions into Kaolinite, Saponite, and Their Amine-Modified Derivatives. ACS Applied Nano Materials, 2018, 1, 3867-3877.	2.4	6

#	ARTICLE	IF	CITATIONS
37	Synthesis of Zeolite A from Metakaolin and Its Application in the Adsorption of Cationic Dyes. Applied Sciences (Switzerland), 2018, 8, 608.	1.3	41
38	Photodegradation of 1,2,4-Trichlorobenzene on Montmorillonite/TiO ₂ Nanocomposites. ChemEngineering, 2018, 2, 22.	1.0	5
39	Eu ³⁺ and Tb ³⁺ -Dipicolinate Complexes Covalently Grafted into Kaolinite as Luminescence-Functionalized Clay Hybrid Materials. Journal of Physical Chemistry C, 2017, 121, 5081-5088.	1.5	13
40	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.	2.9	44
41	Doped Ti-pillared clays as effective adsorbents – Application to methylene blue and trimethoprim removal. Environmental Chemistry, 2017, 14, 267.	0.7	12
42	Kaolinite-polymer compounds by grafting of 2-hydroxyethyl methacrylate and 3-(trimethoxysilyl)propyl methacrylate. Applied Clay Science, 2017, 146, 526-534.	2.6	14
43	Disinfection by Chemical Oxidation Methods. Handbook of Environmental Chemistry, 2017, , 257-295.	0.2	10
44	Separation and Characterization of NOM Intermediates Along AOP Oxidation. Handbook of Environmental Chemistry, 2017, , 99-132.	0.2	1
45	Laponite functionalized with biuret and melamine – Application to adsorption of antibiotic trimethoprim. Microporous and Mesoporous Materials, 2017, 253, 112-122.	2.2	17
46	Two synthesis approaches of Fe-containing intercalated montmorillonites: Differences as acid catalysts for the synthesis of 1,5-benzodeazepine from 1,2-phenylenediamine and acetone. Applied Clay Science, 2017, 146, 388-396.	2.6	12
47	Effect of chemical modification of palygorskite and sepiolite by 3-aminopropyltriethoxysilane on adsorption of cationic and anionic dyes. Applied Clay Science, 2017, 135, 394-404.	2.6	112
48	Effect of nitric acid modification of montmorillonite clay on synthesis of solketal from glycerol and acetone. Catalysis Communications, 2017, 90, 65-69.	1.6	59
49	Microwave-Assisted Pillaring of a Montmorillonite with Al-Polycations in Concentrated Media. Materials, 2017, 10, 886.	1.3	14
50	Preparation of Al/Fe-Pillared Clays: Effect of the Starting Mineral. Materials, 2017, 10, 1364.	1.3	37
51	Synthetic and natural materials with the brucite-like layers as high active catalyst for synthesis of 1-methoxy-2-propanol from methanol and propylene oxide. Journal of Molecular Catalysis A, 2016, 423, 22-30.	4.8	19
52	Effect of acid modification of kaolin and metakaolin on Brønsted acidity and catalytic properties in the synthesis of octahydro-2H-chromen-4-ol from vanillin and isopulegol. Journal of Molecular Catalysis A, 2016, 414, 160-166.	4.8	32
53	Encapsulation of SALEN- and SALHD-Mn(III) complexes in an Al-pillared clay for bicarbonate-assisted catalytic epoxidation of cyclohexene. Journal of Molecular Catalysis A, 2016, 416, 10-19.	4.8	23
54	Removal of Orange II by Phosphonium-modified Algerian Bentonites. Chemical Engineering Communications, 2015, 202, 520-533.	1.5	13

#	ARTICLE	IF	CITATIONS
73	Dynamics of water in synthetic saponite clays: Effect of trivalent ion substitution. <i>Physical Review E</i> , 2013, 87, 062317.	0.8	10
74	Dynamics of water in Mg ²⁺ /Al ³⁺ /Si ⁴⁺ saponite clay. , 2012, , .		0
75	Removal of organic pollutants from industrial wastewater: performance evaluation of inorganic adsorbents based on pillared clays. <i>Desalination and Water Treatment</i> , 2012, 39, 316-322.	1.0	6
76	Takoviteâ€“Aluminosilicateâ€“Cr Materials Prepared by Adsorption of Cr ³⁺ from Industrial Effluents As Catalysts for Hydrocarbon Oxidation Reactions. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2525-2533.	4.0	10
77	Preparation of composites of Iaponite with alginate and alginic acid polysaccharides. <i>Polymer International</i> , 2012, 61, 1170-1176.	1.6	16
78	Green and selective oxidation reactions catalyzed by kaolinite covalently grafted with Fe(III) pyridine-carboxylate complexes. <i>Catalysis Today</i> , 2012, 187, 135-149.	2.2	50
79	Removal of natural organic matter for drinking water production by Al/Fe-PILC-catalyzed wet peroxide oxidation: Effect of the catalyst preparation from concentrated precursors. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 527-535.	10.8	37
80	New Highly Luminescent Hybrid Materials: Terbium Pyridineâˆ“Picolinate Covalently Grafted on Kaolinite. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1311-1318.	4.0	65
81	Amine-Functionalized Titanosilicates Prepared by the Solâˆ“Gel Process as Adsorbents of the Azo-Dye Orange II. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 239-246.	1.8	35
82	A review on characterization of pillared clays by specific techniques. <i>Applied Clay Science</i> , 2011, 53, 97-105.	2.6	89
83	Rapid microwave-assisted synthesis of saponites and their use as oxidation catalysts. <i>Applied Clay Science</i> , 2011, 53, 326-330.	2.6	27
84	Comment on â€œLiquid phase oxidation of p-vanillyl alcohol over synthetic Co-saponite catalystâ€“, by A.C. Garade, N.S. Biradar, S.M. Joshi, V.S. Kshirsagar, R.K. Jha, C.V. Rode [<i>Applied Clay Science</i> (2010), doi:10.1016/j.clay.2010.10.026]. <i>Applied Clay Science</i> , 2011, 52, 190-191.	2.6	1
85	Cesium-saponites as excellent environmental-friendly catalysts for the synthesis of N-alkyl pyrazoles. <i>Applied Clay Science</i> , 2011, 54, 125-131.	2.6	10
86	Treatment of municipal leachate of landfill by Fenton-like heterogeneous catalytic wet peroxide oxidation using an Al/Fe-pillared montmorillonite as active catalyst. <i>Chemical Engineering Journal</i> , 2011, 178, 146-153.	6.6	44
87	Acetalation of Pentaerithritol Catalyzed by an Al-Pillared Saponite. <i>Catalysis Letters</i> , 2011, 141, 1118-1122.	1.4	9
88	Degradation of Acid Orange 7 using a saponite-based catalyst in wet hydrogen peroxide oxidation: Kinetic study with the Fermi's equation. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 197-205.	10.8	68
89	Strategies for immobilization of manganese on expanded natural clays: Catalytic activity in the CWPO of methyl orange. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 252-260.	10.8	31
90	Dynamics of Water Confined in Synthetic Saponite Clays. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
91	Dialkylation of Naphthalene with Isopropanol Over H ₃ PO ₄ /MCM-41 Catalysts for the Environmentally Friendly Synthesis of 2,6-Dialkylnaphthalene. <i>Catalysis Letters</i> , 2010, 136, 141-149.	1.4	2
92	Effect of the atomic active metal ratio in Al/Fe-, Al/Cu- and Al/(Fe+Cu)-intercalating solutions on the physicochemical properties and catalytic activity of pillared clays in the CWPO of methyl orange. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 271-281.	10.8	77
93	New synthesis strategies for effective functionalization of kaolinite and saponite with silylating agents. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 186-193.	5.0	85
94	Heterogeneous photo-Fenton oxidation with pillared clay-based catalysts for wastewater treatment: A review. <i>Applied Catalysis B: Environmental</i> , 2010, 98, 10-26.	10.8	601
95	Pillared Clay Catalysts in Green Oxidation Reactions. , 2010, , 301-318.		3
96	Microwave radiation and mechanical grinding as new ways for preparation of saponite-like materials. <i>Applied Clay Science</i> , 2010, 48, 32-38.	2.6	36
97	Novel reactive amino-compound: Tris(hydroxymethyl)aminomethane covalently grafted on kaolinite. <i>Applied Clay Science</i> , 2010, 48, 516-521.	2.6	53
98	Pillared Clays and Related Catalysts. , 2010, , .		47
99	Preparation, alumina-pillaring and oxidation catalytic performances of synthetic Ni-saponite. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 309-316.	2.2	18
100	(Z)-cyclooctene epoxidation and cyclohexane oxidation on Ni/alumina-pillared clay catalysts. <i>Microporous and Mesoporous Materials</i> , 2009, 124, 218-226.	2.2	10
101	Hydrogen adsorption by microporous materials based on alumina-pillared clays. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 8611-8615.	3.8	48
102	Hybrid materials prepared by interlayer functionalization of kaolinite with pyridine-carboxylic acids. <i>Journal of Colloid and Interface Science</i> , 2009, 335, 210-215.	5.0	52
103	Porphyrin+Kaolinite as Efficient Catalyst for Oxidation Reactions. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2667-2678.	4.0	71
104	Phenol degradation in water through a heterogeneous photo-Fenton process catalyzed by Fe-treated laponite. <i>Water Research</i> , 2009, 43, 1313-1322.	5.3	205
105	Takovite+Aluminosilicate Nanocomposite as Adsorbent for Removal of Cr(III) and Pb(II) from Aqueous Solutions. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 241-247.	1.0	16
106	Relationship between the Surface Properties and the Catalytic Performance of Al-, Ga-, and AlGa-Pillared Saponites. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 406-414.	1.8	12
107	Synthesis of paracetamol by liquid phase Beckmann rearrangement of 4-hydroxyacetophenone oxime over H ₃ PO ₄ /Al-MCM-41. <i>Catalysis Communications</i> , 2009, 10, 1486-1492.	1.6	27
108	Ni/Pillared Clays as Catalysts for the Selective Catalytic Reduction of Nitrogen Oxides by Propene. <i>Catalysis Letters</i> , 2008, 123, 32-40.	1.4	10

#	ARTICLE	IF	CITATIONS
109	Experimental Design to Optimize the Oxidation of Orange II Dye Solution Using a Clay-based Fenton-like Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 284-294.	1.8	118
110	An Inexpensive Semiautomatic Pressurized Microfiltration Device. <i>Journal of Chemical Education</i> , 2008, 85, 1051.	1.1	3
111	Recent Advances in the Control and Characterization of the Porous Structure of Pillared Clay Catalysts. <i>Catalysis Reviews - Science and Engineering</i> , 2008, 50, 153-221.	5.7	180
112	Zirconia-Pillared Clays. , 2008, , 53-58.		1
113	Structure Evolution of Co/Alumina-Pillared Clay Catalysts under Thermal Treatment at Increasing Temperatures. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7226-7235.	1.8	8
114	Porous Silica Gel by Acid Leaching of Metakaolin. , 2008, , 47-51.		2
115	Enhanced Thermal Conductivity of Nanofluids Diagnosis by Molecular Dynamics Simulations. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3710-3718.	0.9	20
116	Adsorption of nitrogen, hydrogen and carbon dioxide on alumina-pillared clays. <i>Studies in Surface Science and Catalysis</i> , 2007, 160, 327-334.	1.5	13
117	Analysis of the Structure of Alumina-Pillared Clays by Nitrogen and Carbon Dioxide Adsorption. <i>Adsorption Science and Technology</i> , 2007, 25, 217-226.	1.5	14
118	Interaction of stevensite with Cd ²⁺ and Pb ²⁺ in aqueous dispersions. <i>Applied Clay Science</i> , 2007, 35, 47-58.	2.6	43
119	Support Effect on the Structure and Reactivity of VSbO ₄ Catalysts for Propane Ammoxidation to Acrylonitrile. <i>Chemistry of Materials</i> , 2007, 19, 6621-6628.	3.2	30
120	Vapor-phase alkylation of toluene by benzyl alcohol on H ₃ PO ₄ -modified MCM-41 mesoporous silicas. <i>Catalysis Communications</i> , 2007, 8, 49-56.	1.6	32
121	Preparation and characterization of new Ni-aluminosilicate catalysts and their performance in the epoxidation of (Z)-cyclooctene. <i>Applied Catalysis A: General</i> , 2007, 319, 153-162.	2.2	25
122	Chromium saponite clay catalysts: Preparation, characterization and catalytic performance in propene oxidation. <i>Applied Catalysis A: General</i> , 2007, 327, 1-12.	2.2	41
123	Fenton-like oxidation of Orange II solutions using heterogeneous catalysts based on saponite clay. <i>Applied Catalysis B: Environmental</i> , 2007, 71, 44-56.	10.8	275
124	Effect of the metal support interactions on the physicochemical and magnetic properties of Ni catalysts. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e783-e786.	1.0	6
125	Oxide Nanomaterials in Ceramics. , 2006, , 683-713.		0
126	Easy Synthesis of K ⁺ F Zeolite from Kaolin, and Characterization of This Zeolite. <i>Journal of Chemical Education</i> , 2006, 83, 1541.	1.1	13

#	ARTICLE	IF	CITATIONS
127	Effect of the nature and structure of pillared clays in the catalytic behaviour of supported manganese oxide. <i>Catalysis Today</i> , 2006, 112, 117-120.	2.2	28
128	Dynamics of absorbed water in saponite clay: Neutron scattering study. <i>Chemical Physics Letters</i> , 2006, 426, 296-300.	1.2	28
129	Microwave enhanced synthesis of N-propargyl derivatives of imidazole. <i>Applied Surface Science</i> , 2006, 252, 6067-6070.	3.1	7
130	Effect of the intercalation conditions of a montmorillonite with octadecylamine. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 239-244.	5.0	43
131	Effect of the Si/Al ratio on the structure and surface properties of silica-alumina-pillared clays. <i>Journal of Catalysis</i> , 2005, 229, 119-126.	3.1	35
132	Ultrasound-activated Knoevenagel condensation of malononitrile with carbonylic compounds catalysed by alkaline-doped saponites. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 234-238.	1.6	20
133	Dehydrogenation of ethylbenzene on alumina-pillared Fe-rich saponites. <i>Catalysis Letters</i> , 2005, 101, 229-234.	1.4	9
134	Effect of the Platinum Content on the Microstructure and Micropore Size Distribution of Pt/Alumina-Pillared Clays. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23461-23465.	1.2	13
135	A Variable-Temperature Diffuse Reflectance Infrared Fourier Transform Spectroscopy Study of the Binding of Water and Pyridine to the Surface of Acid-Activated Metakaolin. <i>Langmuir</i> , 2005, 21, 2129-2136.	1.6	8
136	Fe-saponite pillared and impregnated catalysts. <i>Applied Catalysis B: Environmental</i> , 2004, 50, 227-234.	10.8	32
137	Fe-saponite pillared and impregnated catalysts. <i>Applied Catalysis B: Environmental</i> , 2004, 50, 101-112.	10.8	40
138	Supported catalysts for DeNOx reaction based on iron clays. <i>Journal of Molecular Catalysis A</i> , 2004, 219, 309-313.	4.8	13
139	Preparation and characterisation of Mn- and Co-supported catalysts derived from Al-pillared clays and Mn- and Co-complexes. <i>Applied Catalysis A: General</i> , 2004, 267, 47-58.	2.2	42
140	Materiales con propiedades tecnológicas obtenidos por modificación química de un caolín natural. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2004, 43, 148-154.	0.9	7
141	Preparation and characterisation of vanadium catalysts supported over alumina-pillared clays. <i>Catalysis Today</i> , 2003, 78, 181-190.	2.2	22
142	Al-pillaring of saponite with the al polycation $[Al_{13}(OH)_{24}(H_2O)_{24}]^{15+}$ using a new synthetic route. <i>Clays and Clay Minerals</i> , 2003, 51, 168-171.	0.6	14
143	Comparative study of the textural properties of alumina-pillared saponites synthesised from the intercalation with various aluminium oligomers. <i>Studies in Surface Science and Catalysis</i> , 2002, 144, 585-592.	1.5	3
144	Preparation of Porous Silica by Acid Activation of Metakaolins. <i>Studies in Surface Science and Catalysis</i> , 2002, , 307-314.	1.5	9

#	ARTICLE	IF	CITATIONS
145	Chemical Activation of a Kaolinite under Acid and Alkaline Conditions. <i>Chemistry of Materials</i> , 2002, 14, 2033-2043.	3.2	254
146	A Copper-Sulfate-Based Inorganic Chemistry Laboratory for First-Year University Students That Teaches Basic Operations and Concepts. <i>Journal of Chemical Education</i> , 2002, 79, 486.	1.1	7
147	²⁷ Al MQ-MAS NMR as a Tool for Structure Determination in Nanocomposite Materials: The Nature of Al Pillars in Al ³⁺ -Pillared Clays. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4133-4138.	1.2	16
148	Complete oxidation of acetone over manganese oxide catalysts supported on alumina- and zirconia-pillared clays. <i>Applied Catalysis B: Environmental</i> , 2002, 38, 295-307.	10.8	111
149	Effect of Sb/V Ratio and of Sb + V Coverage on the Molecular Structure and Activity of Alumina-Supported Sb ⁵⁺ -O Catalysts for the Ammoxidation of Propane to Acrylonitrile. <i>Journal of Catalysis</i> , 2002, 206, 339-348.	3.1	94
150	Dehydrogenation of Ethylbenzene on Alumina-Chromia-Pillared Saponites. <i>Catalysis Letters</i> , 2002, 78, 99-103.	1.4	11
151	Sonocatalysis and Basic Clays. Michael Addition Between Imidazole and Ethyl Acrylate. <i>Catalysis Letters</i> , 2002, 84, 201-204.	1.4	30
152	Methanol synthesis from CO ₂ and H ₂ over gallium promoted copper-based supported catalysts. Effect of hydrocarbon impurities in the CO ₂ /H ₂ source. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4837-4842.	1.3	24
153	Synthesis of Pt pillared clay nanocomposite catalysts from [PtII(NH ₃) ₄]Cl ₂ precursor. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4843-4852.	1.3	33
154	Chemical Structures of ZrO ₂ -Supported V ⁵⁺ -Sb Oxides. <i>Chemistry of Materials</i> , 2001, 13, 1174-1180.	3.2	32
155	Platinum catalysts supported on Al-pillared clays. <i>Catalysis Today</i> , 2001, 68, 41-51.	2.2	62
156	On the structural changes of a saponite intercalated with various polycations upon thermal treatments. <i>Applied Catalysis A: General</i> , 2001, 217, 191-204.	2.2	43
157	Influence of the Ti precursor on the properties of Ti ⁴⁺ -pillared smectites. <i>Clay Minerals</i> , 2001, 36, 125-138.	0.2	29
158	Preparation of drug-montmorillonite UV-radiation protection compounds by gas-solid adsorption. <i>Clay Minerals</i> , 2001, 36, 541-546.	0.2	19
159	Main factors controlling the texture of zirconia and alumina pillared clays. <i>Microporous and Mesoporous Materials</i> , 2000, 34, 115-125.	2.2	64
160	Recent Advances in the Synthesis and Catalytic Applications of Pillared Clays. <i>Catalysis Reviews - Science and Engineering</i> , 2000, 42, 145-212.	5.7	465
161	Preparation and characterization of manganese oxide catalysts supported on alumina and zirconia-pillared clays. <i>Applied Catalysis A: General</i> , 2000, 196, 281-292.	2.2	54
162	Factores que controlan las propiedades texturales de arcillas intercaladas con disoluciones de circonio y aluminio. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2000, 39, 530-534.	0.9	1

#	ARTICLE	IF	CITATIONS
163	Non-aggressive pillaring of clays with zirconium acetate. Comparison with alumina pillared clays. <i>Applied Catalysis A: General</i> , 1999, 183, 23-33.	2.2	25
164	Study of the Porous Solids Obtained by Acid Treatment of a High Surface Area Saponite. <i>Journal of Porous Materials</i> , 1999, 6, 335-344.	1.3	35
165	Al-pillared saponites Part 4. Pillaring with a new Al ₁₃ oligomer containing organic ligands. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 1633-1639.	1.3	21
166	Intercalation Compounds between Ethyl 2-oxocyclopentanecarboxylate and Saponite. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1998, 31, 219-230.	1.6	3
167	Preparation, characterization and catalytic activity in the deep oxidation of acetone of Cr,Al-pillared saponites. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 72, 131-136.	1.6	10
168	Preparation and characterization of manganese- and samarium-manganese-alumina pillared montmorillonites. <i>Reaction Kinetics and Catalysis Letters</i> , 1998, 64, 145-151.	0.6	6
169	Pillaring of saponite with zirconium oligomers. <i>Microporous and Mesoporous Materials</i> , 1998, 24, 173-188.	2.2	40
170	Application of phenyl salicylate-sepiolite systems as ultraviolet radiation filters. <i>Clay Minerals</i> , 1998, 33, 467-474.	0.2	16
171	Reduction of Fe(III) in a high-iron saponite. Pillaring of the reduced samples with Al ₁₃ oligomers. <i>Clay Minerals</i> , 1998, 33, 213-220.	0.2	3
172	Pillaring of a Saponite with Aluminum ^{III} Chromium Oligomers. Characterization of the Solids Obtained. <i>Chemistry of Materials</i> , 1997, 9, 1829-1836.	3.2	19
173	Characterization of the Solids Obtained by Pillaring of Griffithite (High Iron Content Saponite) with Al-Oligomers. <i>Clays and Clay Minerals</i> , 1997, 45, 761-768.	0.6	10
174	Application of basic clays in microwave activated Michael additions: Preparation of N-substituted imidazoles. <i>Journal of Molecular Catalysis A</i> , 1997, 124, 115-121.	4.8	25
175	Characterization, Surface Area, and Porosity Analyses of the Solids Obtained by Acid Leaching of a Saponite. <i>Langmuir</i> , 1996, 12, 566-572.	1.6	87
176	Pillaring of a High Iron Content Saponite with Aluminum Polycations: A Surface and Catalytic Properties. <i>Langmuir</i> , 1996, 12, 5143-5147.	1.6	21
177	Thermal studies of pharmaceutical-clay systems Part I. Montmorillonite-based systems. <i>Thermochimica Acta</i> , 1996, 286, 89-103.	1.2	16
178	Comparative FT-IR study of the removal of octahedral cations and structural modifications during acid treatment of several silicates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 1685-1694.	2.0	164
179	Application of Methyl Cinnamate/Montmorillonite as Ultraviolet Radiation Shelters. <i>Drug Development and Industrial Pharmacy</i> , 1996, 22, 1089-1095.	0.9	5
180	Preparation of microporous solids by acid treatment of a saponite. <i>Microporous Materials</i> , 1995, 4, 251-264.	1.6	50

#	ARTICLE	IF	CITATIONS
181	Porosity of Synthetic Saponites with Variable Layer Charge Pillared by Al ¹³ Polycations. Langmuir, 1995, 11, 2849-2852.	1.6	47
182	Acid activation of a palygorskite with HCl: Development of physico-chemical, textural and surface properties. Applied Clay Science, 1995, 10, 247-258.	2.6	180
183	Influence of the free silica generated during acid activation of a sepiolite on the adsorbent and textural properties of the resulting solids. Journal of Materials Chemistry, 1995, 5, 127-132.	6.7	28
184	Acid Activation of a Ferrous Saponite (Griffithite): Physico-Chemical Characterization and Surface Area of the Products Obtained. Clays and Clay Minerals, 1994, 42, 724-730.	0.6	40
185	Intercalation compounds between a Spanish bentonite (Gador montmorillonite) and ethyl 2-oxocyclopentanecarboxylate (EOCPC). Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1994, 17, 25-35.	1.6	1
186	Some Lanthanide Complexes of a Glycine Derivative Containing an Ester Function. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1993, 23, 851-859.	1.8	3
187	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.	0.6	39
188	Removal of organic pollutants from industrial wastewater: performance evaluation of inorganic adsorbents based on pillared clays. , 0, 39, 316-322.		0