Margarita Del Arco

List of Publications by Year
in descending order

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58 papers	2,749 citations	172207 29 h-index	174990 52 g-index
58 all docs	58 docs citations	58 times ranked	2918 citing authors

#	Article	IF	Citations
1	Intercalation of drugs in layered double hydroxides and their controlled release: A review. Applied Clay Science, 2014, 88-89, 239-269.	2.6	324
2	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.	4.8	204
3	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
4	Mg,Al layered double hydroxides with intercalated indomethacin: Synthesis, characterization, and pharmacological study. Journal of Pharmaceutical Sciences, 2004, 93, 1649-1658.	1.6	171
5	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.	1.4	127
6	Synthesis and Characterization of Hydrotalcites Containing Ni(II) and Fe(III) and Their Calcination Products. Chemistry of Materials, 1999, 11, 624-633.	3.2	124
7	A comparative study between chloride and calcined carbonate hydrotalcites as adsorbents for Cr(VI). Applied Clay Science, 2007, 37, 231-239.	2.6	108
8	Effect of the Mg:Al Ratio on Borate (or Silicate)/Nitrate Exchange in Hydrotalcite. Journal of Solid State Chemistry, 2000, 151, 272-280.	1.4	100
9	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
10	Release studies of different NSAIDs encapsulated in Mg,Al,Fe-hydrotalcites. Applied Clay Science, 2009, 42, 538-544.	2.6	81
11	Characterization by temperature programmed reduction. Catalysis Today, 2000, 56, 347-355.	2.2	77
12	Cobaltâ€“iron hydroxycarbonates and their evolution to mixed oxides with spinel structure. Journal of Materials Chemistry, 1998, 8, 761-767.	6.7	76
13	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
14	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
15	Influence of the inorganic matrix nature on the sustained release of naproxen. Microporous and Mesoporous Materials, 2010, 130, 229-238.	2.2	51
16	Effect of thermal treatments on the properties of V2O5/TiO2 and MoO3/TiO2 systems. Journal of Catalysis, 1986, 99, 19-27.	3.1	49
17	Synthesis and Characterization of New Mg2Al-Paratungstate Layered Double Hydroxides. Inorganic Chemistry, 2004, 43, 375-384.	1.9	49
18	Intercalation of [Cr(C2O4)3]3- Complex in Mg,Al Layered Double Hydroxides. Inorganic Chemistry, 2003, 42, 4232-4240.	1.9	46

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19	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.	3.1	42
20	Chapter 4 Characterization of V2O5-TiO2 Eurocat catalysts by vibrational and electronic spectroscopies. Catalysis Today, 1994, 20, 61-76.	2.2	41
21	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
22	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.	1.4	39
23	Intercalation of mefenamic and meclofenamic acid anions in hydrotalcite-like matrixes. Applied Clay Science, 2007, 36, 133-140.	2.6	37
24	Title is missing!. Journal of Materials Science, 2003, 38, 2815-2824.	1.7	36
25	Preparation and Study of Decavanadate-Pillared Hydrotalcite-like Anionic Clays Containing Cobalt and Chromium. Inorganic Chemistry, 1996, 35, 6362-6372.	1.9	33
26	Surface area and porosity, X-ray diffraction and chemical analyses. Catalysis Today, 2000, 56, 335-346.	2.2	33
27	FTIR study of isopropanol reactivity on calcined layered double hydroxides. Physical Chemistry Chemical Physics, 2001, 3, 119-126.	1.3	31
28	Surface Species Formed upon Supporting Molybdena on Alumina by Mechanically Mixing Both Oxides. Journal of Catalysis, 1993, 141, 48-57.	3.1	30
29	Inclusion and Release of Fenbufen in Mesoporous Silica. Journal of Pharmaceutical Sciences, 2010, 99, 3372-3380.	1.6	30
30	Characterisation by vibrational and electronic spectroscopies. Catalysis Today, 2000, 56, 361-370.	2.2	27
31	Reactivity of vanadia with silica, alumina, and titania surfaces. Langmuir, 1990, 6, 801-806.	1.6	25
32	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
33	Chapter 3.2 X-ray diffraction analysis. Catalysis Today, 1994, 20, 17-21.	2.2	24
34	Solubility and release of fenamates intercalated in layered double hydroxides. Clay Minerals, 2008, 43, 255-265.	0.2	24
35	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
36	Acid and redox properties of mixed oxides prepared by calcination of chromate-containing layered double hydroxides. Journal of Solid State Chemistry, 2005, 178, 3571-3580.	1.4	20

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37	Structural evolution upon heating of solâ€“gel prepared birnessites. Thermochimica Acta, 2003, 401, 95-109.	1.2	18
38	Chapter 3.1 Surface area and porosity. Catalysis Today, 1994, 20, 11-16.	2.2	17
39	Surface dispersion of molybdena supported on silica, alumina and titania. Journal of Materials Chemistry, 1993, 3, 1313-1318.	6.7	15
40	A laser Raman spectroscopy study of molybdenum oxide supported on alumina and titania. Spectrochimica Acta Part A: Molecular Spectroscopy, 1994, 50, 2215-2221.	0.1	15
41	New route for the synthesis of V2O5-MgO oxidative dehydrogenation catalysts. Journal of Materials Science Letters, 1987, 6, 616-619.	0.5	14
42	An FT-IR study of the adsorption and reactivity of ethanol on systems derived from Mg2Alâ€“W7O246â^'layered double hydroxides. Physical Chemistry Chemical Physics, 2004, 6, 465-470.	1.3	14
43	Photoactivity of nanostructured TiO2 catalysts in aqueous system and their surface acid-base, bulk and textural properties. Research on Chemical Intermediates, 2007, 33, 465-479.	1.3	13
44	Characterization of MoO3-P2O5-ZrO2 catalysts: an oxide-supported mixed oxide. Materials Chemistry and Physics, 1998, 55, 173-187.	2.0	11
45	Flash Vacuum Pyrolysis over Solid Catalysts. 2. Pyrazoles over Hydrotalcites. Journal of Organic Chemistry, 2002, 67, 8147-8150.	1.7	11
46	Metal-support and metal oxide-support interactions in Cu/TiO2. Reaction Kinetics and Catalysis Letters, 1986, 31, 239-244.	0.6	10
47	Evolution during calcination of Mo-Fe oxidation catalysts doped with chromium. Materials Chemistry and Physics, 1989, 23, 517-528.	2.0	10
48	The effect of the preparation method on the nature and dispersion of surface species formed upon reaction of molybdenum trioxide with alumina and titania. Journal of Materials Science, 1996, 31, 1561-1567.	1.7	9
49	Dispersion and reactivity of molybdena on the surface of alumina. Materials Chemistry and Physics, 1992, 31, 205-211.	2.0	7
50	A FTIR assessment of surface acidity and dispersion of surface species in titania and alumina-supported molybdena. Spectrochimica Acta Part A: Molecular Spectroscopy, 1994, 50, 697-702.	0.1	7
51	Characterization of Chromate-Intercalated Layered Double Hydroxides. Materials Science Forum, 2006, 514-516, 1541-1545.	0.3	6
52	Dexketoprofen and aceclofenac release from layered double hydroxide and SBA-15 ordered mesoporous material. Applied Clay Science, 2016, 121-122, 9-16.	2.6	6
53	A Laser Raman Spectroscopy Study of Surface Species Existing in MoO3/A12O3Catalysts. Spectroscopy Letters, 1992, 25, 73-82.	0.5	5
54	Chapter 3.4 A TG/DTA study of V2O5/TiO2 eurocat catalysts and of their precursors. Catalysis Today, 1994, 20, 35-44.	2.2	4

#	Article	IF	Citations
55	Influence of the Surface Acidity of the Alumina on the Sustained Release of Ketoprofen. Journal of Pharmaceutical Sciences, 2016, 105, 2146-2154.	1.6	4
56	Spectroscopic Properties of Co-Fe Hydrotalcites. Spectroscopy Letters, 1998, 31, 859-869.	0.5	3
57	Characterisation by thermal techniques. Catalysis Today, 2000, 56, 357-359.	2.2	3
58	Solid-state reaction between molybdena and alumina: effect of water vapour pressure on the dispersion and nature of the supported phases. Journal of Materials Chemistry, 1994, 4, 47-50.	6.7	1