Margarita Del Arco

List of Publications by Year in Descending Order

58 papers	2,419 citations	27 h-index	48 g-index
58 ext. papers	2,563 ext. citations	4.4 avg, IF	4.78 L-index

#	Paper	IF	Citations
58	Influence of the Surface Acidity of the Alumina on the Sustained Release of Ketoprofen. *Journal of Pharmaceutical Sciences*, **2016**, 105, 2146-54	3.9	4
57	Dexketoprofen and aceclofenac release from layered double hydroxide and SBA-15 ordered mesoporous material. *Applied Clay Science*, **2016**, 121-122, 9-16	5.2	5
56	Intercalation of drugs in layered double hydroxides and their controlled release: A review. *Applied Clay Science*, **2014**, 88-89, 239-269	5.2	274
55	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	11.7	170
54	Zn,Al hydrotalcites calcined at different temperatures: Preparation, characterization and photocatalytic activity in gas□solid regime. *Journal of Molecular Catalysis A*, **2011**, 342-343, 83-90		83
53	Inclusion and release of fenbufen in mesoporous silica. *Journal of Pharmaceutical Sciences*, **2010**, 99, 3372-80	3.9	27
52	Solubility and release of fenbufen intercalated in Mg, Al and Mg, Al, Fe layered double hydroxides (LDH): The effect of Eudragit□ S 100 covering. *Journal of Solid State Chemistry*, **2010**, 183, 3002-3009	3.3	32
51	Influence of the inorganic matrix nature on the sustained release of naproxen. *Microporous and Mesoporous Materials*, **2010**, 130, 229-238	5.3	46
50	Release studies of different NSAIDs encapsulated in Mg,Al,Fe-hydrotalcites. *Applied Clay Science*, **2009**, 42, 538-544	5.2	74
49	Solubility and release of fenamates intercalated in layered double hydroxides. *Clay Minerals*, **2008**, 43, 255-265	1.3	22
48	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	2.8	10
47	Intercalation of mefenamic and meclofenamic acid anions in hydrotalcite-like matrixes. *Applied Clay Science*, **2007**, 36, 133-140	5.2	35
46	A comparative study between chloride and calcined carbonate hydrotalcites as adsorbents for Cr(VI). *Applied Clay Science*, **2007**, 37, 231-239	5.2	96
45	Characterization of Chromate-Intercalated Layered Double Hydroxides. *Materials Science Forum*, **2006**, 514-516, 1541-1545	0.4	6
44	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	3.3	20
43	Mg,Al layered double hydroxides with intercalated indomethacin: synthesis, characterization, and pharmacological study. *Journal of Pharmaceutical Sciences*, **2004**, 93, 1649-58	3.9	150
42	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	3.3	115

41	An FT-IR study of the adsorption and reactivity of ethanol on systems derived from Mg2Al□W7O24□layered double hydroxides. *Physical Chemistry Chemical Physics*, **2004**, 6, 465-470	3.6	14
40	Synthesis and characterization of new Mg(2)Al-paratungstate layered double hydroxides. *Inorganic Chemistry*, **2004**, 43, 375-84	5.1	48
39	Characterisation of K, Na, and Li birnessites prepared by oxidation with H2O2 in a basic medium. Ion exchange properties and study of the calcined products. *Journal of Materials Science*, **2003**, 38, 2815-2824	4.2	36
38	Structural evolution upon heating of sol□gel prepared birnessites. *Thermochimica Acta*, **2003**, 401, 95-109	2.9	15
37	Intercalation of [Cr(C2O4)3]3 - complex in mg,al layered double hydroxides. *Inorganic Chemistry*, **2003**, 42, 4232-40	5.1	44
36	Flash vacuum pyrolysis over solid catalysts. 2. pyrazoles over hydrotalcites. *Journal of Organic Chemistry*, **2002**, 67, 8147-50	4.2	10
35	FTIR study of isopropanol reactivity on calcined layered double hydroxides. *Physical Chemistry Chemical Physics*, **2001**, 3, 119-126	3.6	24
34	Effect of the Mg:Al Ratio on Borate (or Silicate)/Nitrate Exchange in Hydrotalcite. *Journal of Solid State Chemistry*, **2000**, 151, 272-280	3.3	92
33	Surface area and porosity, X-ray diffraction and chemical analyses. *Catalysis Today*, **2000**, 56, 335-346	5.3	25
32	Characterization by temperature programmed reduction. *Catalysis Today*, **2000**, 56, 347-355	5.3	69
31	Characterisation by thermal techniques. *Catalysis Today*, **2000**, 56, 357-359	5.3	3
30	Characterisation by vibrational and electronic spectroscopies. *Catalysis Today*, **2000**, 56, 361-370	5.3	25
29	Reconstruction of layered double hydroxides from calcined precursors: a powder XRD and 27Al MAS NMR study. *Journal of Materials Chemistry*, **1999**, 9, 2499-2503		183
28	Synthesis and Characterization of Hydrotalcites Containing Ni(II) and Fe(III) and Their Calcination Products. *Chemistry of Materials*, **1999**, 11, 624-633	9.6	106
27	Characterization of MoO3-P2O5-ZrO2 catalysts: an oxide-supported mixed oxide. *Materials Chemistry and Physics*, **1998**, 55, 173-187	4.4	8
26	Spectroscopic Properties of Co-Fe Hydrotalcites. *Spectroscopy Letters*, **1998**, 31, 859-869	1.1	2
25	Cobalt□ron hydroxycarbonates and their evolution to mixed oxides with spinel structure. *Journal of Materials Chemistry*, **1998**, 8, 761-767		70
24	Thermal behaviour of Zn□r layered double hydroxides with hydrotalcite-like structures containing carbonate or decavanadate. *Journal of Materials Chemistry*, **1996**, 6, 1419-1428		52

23	Preparation and Study of Decavanadate-Pillared Hydrotalcite-like Anionic Clays Containing Cobalt and Chromium. *Inorganic Chemistry*, **1996**, 35, 6362-6372	5.1	28
22	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	4.3	9
21	Surface and textural properties of hydrotalcite-like materials and their decomposition products. *Studies in Surface Science and Catalysis*, **1994**, 87, 507-515	1.8	17
20	Chapter 3.1 Surface area and porosity. *Catalysis Today*, **1994**, 20, 11-16	5.3	15
19	Chapter 4 Characterization of V2O5-TiO2 Eurocat catalysts by vibrational and electronic spectroscopies. *Catalysis Today*, **1994**, 20, 61-76	5.3	36
18	Chapter 3.2 X-ray diffraction analysis. *Catalysis Today*, **1994**, 20, 17-21	5.3	5
17	Chapter 3.4 A TG/DTA study of V2O5/TiO2 eurocat catalysts and of their precursors. *Catalysis Today*, **1994**, 20, 35-44	5.3	4
16	A laser Raman spectroscopy study of molybdenum oxide supported on alumina and titania. *Spectrochimica Acta Part A: Molecular Spectroscopy*, **1994**, 50, 2215-2221		13
15	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		3
14	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		1
13	Surface dispersion of molybdena supported on silica, alumina and titania. *Journal of Materials Chemistry*, **1993**, 3, 1313-1318		15
12	Surface structure and reactivity of molybdena–titania catalysts prepared by different methods. *Journal of the Chemical Society, Faraday Transactions*, **1993**, 89, 1071-1078		22
11	Surface Species Formed upon Supporting Molybdena on Alumina by Mechanically Mixing Both Oxides. *Journal of Catalysis*, **1993**, 141, 48-57	7.3	28
10	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		44
9	A Laser Raman Spectroscopy Study of Surface Species Existing in MoO3/A12O3 Catalysts. *Spectroscopy Letters*, **1992**, 25, 73-82	1.1	5
8	Dispersion and reactivity of molybdena on the surface of alumina. *Materials Chemistry and Physics*, **1992**, 31, 205-211	4.4	7
7	Reactivity of vanadia with silica, alumina, and titania surfaces. *Langmuir*, **1990**, 6, 801-806	4	25
6	Evolution during calcination of Mo-Fe oxidation catalysts doped with chromium. *Materials Chemistry and Physics*, **1989**, 23, 517-528	4.4	9

5	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	2.1	36
4	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	7.3	38
3	New route for the synthesis of V2O5-MgO oxidative dehydrogenation catalysts. *Journal of Materials Science Letters*, **1987**, 6, 616-619		14
2	Effect of thermal treatments on the properties of V2O5/TiO2 and MoO3/TiO2 systems. *Journal of Catalysis*, **1986**, 99, 19-27	7.3	41
1	Metal-support and metal oxide-support interactions in Cu/TiO2. *Reaction Kinetics and Catalysis Letters*, **1986**, 31, 239-244		9