

# Cristina Martin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103  
papers

3,513  
citations

32  
h-index

56  
g-index

104  
ext. papers

3,695  
ext. citations

5.1  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
103	Propane oxidative dehydrogenation over V-containing mixed oxides derived from decavanadate-exchanged ZnAl layered double hydroxides prepared by a sol-gel method. <i>Comptes Rendus Chimie</i> , <b>2018</b> , 21, 210-220	2.7	8
102	Influence of the Surface Acidity of the Alumina on the Sustained Release of Ketoprofen. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 2146-54	3.9	4
101	Dexketoprofen and aceclofenac release from layered double hydroxide and SBA-15 ordered mesoporous material. <i>Applied Clay Science</i> , <b>2016</b> , 121-122, 9-16	5.2	5
100	Intercalation of drugs in layered double hydroxides and their controlled release: A review. <i>Applied Clay Science</i> , <b>2014</b> , 88-89, 239-269	5.2	274
99	Layered double hydroxides as drug carriers and for controlled release of non-steroidal antiinflammatory drugs (NSAIDs): a review. <i>Journal of Controlled Release</i> , <b>2013</b> , 169, 28-39	11.7	170
98	Zn,Al hydrotalcites calcined at different temperatures: Preparation, characterization and photocatalytic activity in gas-solid regime. <i>Journal of Molecular Catalysis A</i> , <b>2011</b> , 342-343, 83-90		83
97	Inclusion and release of fenbufen in mesoporous silica. <i>Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 99, 3372-80	3.9	27
96	Solubility and release of fenbufen intercalated in Mg, Al and Mg, Al, Fe layered double hydroxides (LDH): The effect of Eudragit <sup>®</sup> S 100 covering. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 3002-3009	3.3	32
95	Influence of the inorganic matrix nature on the sustained release of naproxen. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 130, 229-238	5.3	46
94	Heterogeneous Catalysis by Polyoxometalate-Intercalated Layered Double Hydroxides <b>2010</b> , 319-397		8
93	Tungstophosphoric acid supported on polycrystalline TiO <sub>2</sub> for the photodegradation of 4-nitrophenol in aqueous solution and propan-2-ol in vapour phase. <i>Applied Catalysis A: General</i> , <b>2009</b> , 356, 172-179	5.1	30
92	Preparation, characterization and photocatalytic activity of TiO <sub>2</sub> impregnated with the heteropolyacid H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> : Photo-assisted degradation of 2-propanol in gas-solid regime. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 90, 497-506	21.8	30
91	Release studies of different NSAIDs encapsulated in Mg,Al,Fe-hydrotalcites. <i>Applied Clay Science</i> , <b>2009</b> , 42, 538-544	5.2	74
90	Solubility and release of fenamates intercalated in layered double hydroxides. <i>Clay Minerals</i> , <b>2008</b> , 43, 255-265	1.3	22
89	PMo or PW heteropoly acids supported on MCM-41 silica nanoparticles: Characterisation and FT-IR study of the adsorption of 2-butanol. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 2046-2057	3.3	46
88	Photoactivity of nanostructured TiO <sub>2</sub> catalysts in aqueous system and their surface acid-base, bulk and textural properties. <i>Research on Chemical Intermediates</i> , <b>2007</b> , 33, 465-479	2.8	10
87	An FT-IR study of the adsorption of isopropanol on calcined layered double hydroxides containing isopolymolybdate. <i>Catalysis Today</i> , <b>2007</b> , 126, 153-161	5.3	18

86	Metatungstate and tungstoniobate-containing LDHs: Preparation, characterisation and activity in epoxidation of cyclooctene. <i>Journal of Physics and Chemistry of Solids</i> , <b>2007</b> , 68, 1872-1880	3.9	21
85	Intercalation of mefenamic and meclofenamic acid anions in hydrotalcite-like matrixes. <i>Applied Clay Science</i> , <b>2007</b> , 36, 133-140	5.2	35
84	A comparative study between chloride and calcined carbonate hydrotalcites as adsorbents for Cr(VI). <i>Applied Clay Science</i> , <b>2007</b> , 37, 231-239	5.2	96
83	Rotational fluctuations of water confined to layered oxide materials: nonmonotonous temperature dependence of relaxation times. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 5166-75	2.8	25
82	Thermal Evolution of a MgAl Hydrotalcite-Like Material Intercalated with Hexaniobate. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 4608-4615	2.3	17
81	Structural and texture evolution with temperature of layered double hydroxides intercalated with paramolybdate anions. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 1243-51	5.1	53
80	Characterization of Chromate-Intercalated Layered Double Hydroxides. <i>Materials Science Forum</i> , <b>2006</b> , 514-516, 1541-1545	0.4	6
79	Influence of the active phase structure Bi-Mo-Ti-O in the selective oxidation of propene. <i>Catalysis Today</i> , <b>2006</b> , 112, 121-125	5.3	7
78	Hydrotalcites composition as catalysts: Preparation and their behavior on epoxidation of two bicycloalkenes. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 95, 39-47	5.3	18
77	Acid and redox properties of mixed oxides prepared by calcination of chromate-containing layered double hydroxides. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 3571-3580	3.3	20
76	Surface characterisation of metal ions loaded TiO <sub>2</sub> photocatalysts: structure-activity relationship. <i>Applied Catalysis B: Environmental</i> , <b>2004</b> , 48, 223-233	21.8	81
75	Mg,Al layered double hydroxides with intercalated indomethacin: synthesis, characterization, and pharmacological study. <i>Journal of Pharmaceutical Sciences</i> , <b>2004</b> , 93, 1649-58	3.9	150
74	Synthesis and characterization of layered double hydroxides (LDH) intercalated with non-steroidal anti-inflammatory drugs (NSAID). <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3954-3962	3.3	115
73	An FT-IR study of the adsorption and reactivity of ethanol on systems derived from Mg <sub>2</sub> Al <sub>7</sub> (OH) <sub>24</sub> layered double hydroxides. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 465-470	3.6	14
72	Synthesis and characterization of new Mg(2)Al-paratungstate layered double hydroxides. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 375-84	5.1	48
71	Nb <sub>2</sub> O <sub>5</sub> -supported WO <sub>3</sub> : a comparative study with WO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> . <i>Catalysis Today</i> , <b>2003</b> , 78, 365-376	5.3	53
70	Intercalation of [Cr(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ] <sup>3-</sup> complex in mg,al layered double hydroxides. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 4232-40	5.1	44
69	Preparation Characterization and Photocatalytic Activity of Polycrystalline ZnO/TiO <sub>2</sub> Systems. 1. Surface and Bulk Characterization. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 1026-1032	3.4	200

68	Preparation Characterization and Photocatalytic Activity of Polycrystalline ZnO/TiO <sub>2</sub> Systems. 2. Surface, Bulk Characterization, and 4-Nitrophenol Photodegradation in Liquid/Solid Regime. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 1033-1040	3.4	241
67	Characterization and acidic properties of silicopillared titanates. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 841-845		13
66	FTIR study of isopropanol reactivity on calcined layered double hydroxides. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 119-126	3.6	24
65	A FT-IR Study of the Reactivity of Tungsta-Supported Catalysts toward Butan-2-ol. <i>Langmuir</i> , <b>2001</b> , 17, 6968-6973	4	11
64	Effect of the Mg:Al Ratio on Borate (or Silicate)/Nitrate Exchange in Hydrotalcite. <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 151, 272-280	3.3	92
63	Surface area and porosity, X-ray diffraction and chemical analyses. <i>Catalysis Today</i> , <b>2000</b> , 56, 335-346	5.3	25
62	Characterization by temperature programmed reduction. <i>Catalysis Today</i> , <b>2000</b> , 56, 347-355	5.3	69
61	Characterisation by thermal techniques. <i>Catalysis Today</i> , <b>2000</b> , 56, 357-359	5.3	3
60	Characterisation by vibrational and electronic spectroscopies. <i>Catalysis Today</i> , <b>2000</b> , 56, 361-370	5.3	25
59	Vanadia/γ-alumina and vanadia/zirconia catalysts: preparation and characterization. <i>Physical Chemistry Chemical Physics</i> , <b>2000</b> , 2, 1543-1550	3.6	8
58	Preparation and characterisation of TiO <sub>2</sub> (anatase) supported on TiO <sub>2</sub> (rutile) catalysts employed for 4-nitrophenol photodegradation in aqueous medium and comparison with TiO <sub>2</sub> (anatase) supported on Al <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>1999</b> , 20, 29-45	21.8	50
57	Microporosity and Acidity Properties of Alumina Pillared Titanates. <i>Langmuir</i> , <b>1999</b> , 15, 1090-1095	4	19
56	Characterization of MoO <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -ZrO <sub>2</sub> catalysts: an oxide-supported mixed oxide. <i>Materials Chemistry and Physics</i> , <b>1998</b> , 55, 173-187	4.4	8
55	Probing the surface acidity of lithium aluminium and magnesium aluminium layered double hydroxides. <i>Journal of Materials Chemistry</i> , <b>1998</b> , 8, 1917-1925		17
54	Structural Analysis of Silica-Supported Tungstates. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 2759-2768	3.4	71
53	A Laser Raman Study of Multiphase Co-Bi-Mo Oxide Catalysts. <i>Spectroscopy Letters</i> , <b>1998</b> , 31, 1299-1311	11.1	
52	FT-IR Spectroscopy Study of Isopropanol Reactivity on Silica-Supported Heteropolyanions. <i>Spectroscopy Letters</i> , <b>1997</b> , 30, 963-974	1.1	3
51	FT-IR Spectroscopy Study of Surface Acidity and 2-Propanol Decomposition on Mixed Oxides Obtained upon Calcination of Layered Double Hydroxides. <i>Langmuir</i> , <b>1997</b> , 13, 2303-2306	4	19

50	Structure and Properties of Tungstates Formed in W/MgO Systems. <i>Journal of Catalysis</i> , <b>1997</b> , 169, 516-526	7.3	12
49	Physicochemical characterization of WO <sub>3</sub> /ZrO <sub>2</sub> and WO <sub>3</sub> /Nb <sub>2</sub> O <sub>5</sub> catalysts and their photoactivity for 4-nitrophenol photooxidation in aqueous dispersion. <i>Journal of Materials Science</i> , <b>1997</b> , 32, 6039-6047	4.3	13
48	Physico-chemical properties of WO <sub>3</sub> /TiO <sub>2</sub> systems employed for 4-nitrophenol photodegradation in aqueous medium. <i>Catalysis Letters</i> , <b>1997</b> , 49, 235-243	2.8	68
47	Influence of tungsten oxide on structural and surface properties of sol-gel prepared TiO <sub>2</sub> employed for 4-nitrophenol photodegradation. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1996</b> , 92, 819-829		63
46	Adsorption and oxidation of propan-2-ol on WO <sub>3</sub> /MgO. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1996</b> , 58, 243-248		3
45	Isopropanol reactivity on SiO <sub>2</sub> -supported heteropolyanions. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1996</b> , 59, 197-202		
44	Alkaline-Metal Doped MoO <sub>3</sub> /TiO <sub>2</sub> Systems: Structure of Supported Molybdates. <i>Journal of Catalysis</i> , <b>1996</b> , 161, 87-95	7.3	13
43	A FTIR spectroscopy study of isopropanol reactivity on alkali-metal-doped MoO <sub>3</sub> /TiO <sub>2</sub> catalysts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>1996</b> , 52, 733-740	4.4	25
42	An FT-IR spectroscopy study of the adsorption and oxidation of propene on multiphase Bi, Mo and Co catalysts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>1996</b> , 52, 1107-1118	4.4	34
41	Selective oxidation of isobutene to methacrolein on multiphasic molybdate-based catalysts. <i>Applied Catalysis A: General</i> , <b>1996</b> , 135, 95-123	5.1	18
40	The effect of the preparation method on the nature and dispersion of surface species formed upon reaction of molybdenum trioxide with alumina and titania. <i>Journal of Materials Science</i> , <b>1996</b> , 31, 1561-1567	4.3	9
39	Effect of sulphate removal on the surface texture and acid-base properties of TiO <sub>2</sub> (anatase). <i>Journal of Materials Science</i> , <b>1995</b> , 30, 3847-3852	4.3	4
38	Characterization and Fourier transform infrared spectroscopic study of surface acidity in NiMo/TiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>1995</b> , 51, 1837-1845	4.4	3
37	Catalytic activity of NiMo/TiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> systems in thiophene hydrodesulfurization. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1995</b> , 54, 203-208		9
36	Chapter 3.1 Surface area and porosity. <i>Catalysis Today</i> , <b>1994</b> , 20, 11-16	5.3	15
35	Chapter 4 Characterization of V <sub>2</sub> O <sub>5</sub> -TiO <sub>2</sub> Eurocat catalysts by vibrational and electronic spectroscopies. <i>Catalysis Today</i> , <b>1994</b> , 20, 61-76	5.3	36
34	Chapter 3.2 X-ray diffraction analysis. <i>Catalysis Today</i> , <b>1994</b> , 20, 17-21	5.3	5
33	Chapter 3.4 A TG/DTA study of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> eurocat catalysts and of their precursors. <i>Catalysis Today</i> , <b>1994</b> , 20, 35-44	5.3	4

32	A laser Raman spectroscopy study of molybdenum oxide supported on alumina and titania. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , <b>1994</b> , 50, 2215-2221		13
31	A FTIR assessment of surface acidity and dispersion of surface species in titania and alumina-supported molybdena. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , <b>1994</b> , 50, 697-702		3
30	A FTIR Study of Surface Nucleophilicity of TiO <sub>2</sub> and MoO <sub>3</sub> /TiO <sub>2</sub> Doped with Alkaline Cations. <i>Journal of Catalysis</i> , <b>1994</b> , 145, 239-242	7.3	14
29	FT-IR Assessment Through Pyridine Adsorption of the Surface Acidity of Alkali-Doped MoO <sub>3</sub> /TiO <sub>2</sub> . <i>Journal of Catalysis</i> , <b>1994</b> , 146, 415-421	7.3	36
28	Characterization of Chromium Ion-Doped Titania by FTIR and XPS. <i>Journal of Catalysis</i> , <b>1994</b> , 147, 115-122	2.3	23
27	Changes in the Structure of TiO <sub>2</sub> -Supported Molybdena Induced by Na-Doping. <i>Journal of Catalysis</i> , <b>1994</b> , 147, 465-475	7.3	17
26	Surface properties of iron-titania photocatalysts employed for 4-nitrophenol photodegradation in aqueous TiO <sub>2</sub> dispersion. <i>Catalysis Letters</i> , <b>1994</b> , 24, 303-315	2.8	62
25	Surface dispersion of molybdena supported on silica, alumina and titania. <i>Journal of Materials Chemistry</i> , <b>1993</b> , 3, 1313-1318		15
24	Surface structure and reactivity of molybdena-titania catalysts prepared by different methods. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1993</b> , 89, 1071-1078		22
23	Fourier-transform infrared study of the oxidation of ethene on MoO <sub>3</sub> /TiO <sub>2</sub> catalysts doped with alkali metals. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1993</b> , 89, 4131		14
22	An FT-IR spectroscopic assessment of the surface basicity of calcia. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1993</b> , 49, 139-144		1
21	A FTIR spectroscopic study of surface acidity and basicity of mixed Mg, Al-oxides obtained by thermal decomposition of hydrotalcite. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , <b>1993</b> , 49, 1575-1582		44
20	Oxidation catalysts obtained by supporting molybdena on silica, alumina and titania. <i>Studies in Surface Science and Catalysis</i> , <b>1992</b> , 72, 415-422	1.8	6
19	Dispersion of molybdena on the surface of titania: the effect of potassium. <i>Journal of Materials Science</i> , <b>1992</b> , 27, 5575-5579	4.3	5
18	An FT-IR study of the adsorption of pyridine, formic acid and acetic acid on magnesia and molybdena-magnesia. <i>Journal of Molecular Catalysis</i> , <b>1992</b> , 73, 51-63		45
17	Sodium-doped V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> systems: An XRD, DTA, TG/DTG, IR, V-UV, TPR, and XANES study. <i>Journal of Catalysis</i> , <b>1992</b> , 134, 47-57	7.3	24
16	Structural and surface characterization of the polycrystalline system Cr <sub>x</sub> O <sub>y</sub> □TiO <sub>2</sub> employed for photoreduction of dinitrogen and photodegradation of phenol. <i>Journal of Catalysis</i> , <b>1992</b> , 134, 434-444	7.3	48
15	Surface reactivity and morphology of vanadia-titania catalysts. <i>Surface Science</i> , <b>1991</b> , 251-252, 825-830	1.8	16

14	Reactivity of vanadia with silica, alumina, and titania surfaces. <i>Langmuir</i> , <b>1990</b> , 6, 801-806	4	25
13	V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> oxidation catalysts, IV. Adsorption of acrolein on sodium-containing systems. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1989</b> , 38, 405-410		
12	Evolution during calcination of Mo-Fe oxidation catalysts doped with chromium. <i>Materials Chemistry and Physics</i> , <b>1989</b> , 23, 517-528	4-4	9
11	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. <i>Clays and Clay Minerals</i> , <b>1989</b> , 37, 157-163	2-1	36
10	Selective oxidation of propene to acrolein on VO <sub>x</sub> TiO <sub>2</sub> systems containing sodium. <i>Journal of Molecular Catalysis</i> , <b>1988</b> , 48, 381-391		13
9	V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> oxidation catalysts, III. Oxidation of CO on pure and sodium-doped systems. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1988</b> , 36, 401-406		2
8	Effect of sodium on the reductibility of V(V) ions during propene adsorption on V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts. <i>Journal of Catalysis</i> , <b>1988</b> , 114, 473-477	7-3	11
7	New route for the synthesis of V <sub>2</sub> O <sub>5</sub> -MgO oxidative dehydrogenation catalysts. <i>Journal of Materials Science Letters</i> , <b>1987</b> , 6, 616-619		14
6	V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> oxidation catalysts: Effect of sodium impurities and of the precursor salt on their texture. <i>Journal of Colloid and Interface Science</i> , <b>1987</b> , 120, 469-476	9-3	9
5	V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> oxidation catalysts. I. Preparation and characterization by XRD and IR spectroscopy. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1987</b> , 33, 381-386		1
4	V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> oxidation catalysts. II. Texture properties. <i>Reaction Kinetics and Catalysis Letters</i> , <b>1987</b> , 33, 393-398		2
3	Effect of thermal treatments on the properties of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> and MoO <sub>3</sub> /TiO <sub>2</sub> systems. <i>Journal of Catalysis</i> , <b>1986</b> , 99, 19-27	7-3	41
2	Texture properties of titanium dioxide. <i>Powder Technology</i> , <b>1986</b> , 46, 1-11	5-2	10
1	Physicochemical characterization of oxide Co-TiO <sub>2</sub> and Mn-TiO <sub>2</sub> systems. <i>Journal of Materials Science</i> , <b>1985</b> , 20, 1427-1433	4-3	10