Francesc Medina Cabello

List of Publications by Year
in descending order

213	7,639	43973 48	79541 73
papers	citations	h-index	g-index

215	215	215	8086
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimization of cellulose hydrolysis in the presence of biomassâ€derived sulfonated catalyst in microwave reactor using response surface methodology. Biomass Conversion and Biorefinery, 2022, 12, 1167-1179.	2.9	3
2	Ni-Cu/Al2O3 from Layered Double Hydroxides Hydrogenates Furfural to Alcohols. Catalysts, 2022, 12, 390.	1.6	6
3	Microwave-assisted condensation of bio-based hydroxymethylfurfural and acetone over recyclable hydrotalcite-related materials. Applied Catalysis B: Environmental, 2021, 282, 119599.	10.8	17
4	Structuring of ZnTiO3/TiO2 Adsorbents for the Removal of Methylene Blue, Using Zeolite Precursor Clays as Natural Additives. Nanomaterials, 2021, 11, 898.	1.9	16
5	DFT Study of Methylene Blue Adsorption on ZnTiO3 and TiO2 Surfaces (101). Molecules, 2021, 26, 3780.	1.7	21
6	Improvement of Biohydrogen and Usable Chemical Products from Glycerol by Co-Culture of Enterobacter spH1 and Citrobacter freundii H3 Using Different Supports as Surface Immobilization. Fermentation, 2021, 7, 154.	1.4	3
7	La-Doped ZnTiO3/TiO2 Nanocomposite Supported on Ecuadorian Diatomaceous Earth as a Highly Efficient Photocatalyst Driven by Solar Light. Molecules, 2021, 26, 6232.	1.7	16
8	A brief introduction to the basics of NMR spectroscopy and selected examples of its applications to materials characterization. ChemistrySelect, 2021, 6, .	0.7	4
9	Recent Impacts of Heterogeneous Catalysis in Biorefineries. Industrial & Engineering Chemistry Research, 2021, 60, 18612-18626.	1.8	14
10	Synthesis of high added value compounds through catalytic oxidation of 2â€phenylethanol: A Kinetic study. International Journal of Chemical Kinetics, 2020, 52, 124-133.	1.0	6
11	Microwave-Assisted Aldol Condensation of Furfural and Acetone over Mgâ€“Al Hydrotalcite-Based Catalysts. Crystals, 2020, 10, 833.	1.0	13
12	Synthesis of the ZnTiO3/TiO2 Nanocomposite Supported in Ecuadorian Clays for the Adsorption and Photocatalytic Removal of Methylene Blue Dye. Nanomaterials, 2020, 10, 1891.	1.9	36
13	Catalytic Palladium-Based and Iron-Based Membrane Reactors: Novel Strategies of Synthesis. ACS Omega, 2019, 4, 19818-19828.	1.6	6
14	Kinetics and mechanism of the oxidation of vanillic acid using smectite clay. Reaction Kinetics, Mechanisms and Catalysis, 2019, 128, 903-916.	0.8	5
15	Microwave processes: A viable technology for obtaining xylose from walnut shell to produce lactic acid by Bacillus coagulans. Journal of Cleaner Production, 2019, 231, 1171-1181.	4.6	31
16	Synthesis of Chalcone Using LDH/Graphene Nanocatalysts of Different Compositions. ChemEngineering, 2019, 3, 29.	1.0	9
17	Heterogeneous Fenton-like oxidation of p-hydroxybenzoic acid using Fe/CeO2-TiO2 catalyst. Water Science and Technology, 2019, 79, 1276-1286.	1.2	4
18	Improving the Stability of CeO₂ Catalyst by Rare Earth Metal Promotion and Molecular Insights in the Dimethyl Carbonate Synthesis from CO₂ and Methanol with 2-Cyanopyridine. ACS Catalysis, 2018, 8, 3181-3193.	5.5	90

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19	Templado quÃmico aplicado a gres porcelÃ¡nicos espaÃ±oles. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2018, 57, 207-212.	0.9	3
20	Lactic Acid Production from Renewable Feedstock: Fractionation, Hydrolysis, and Fermentation. Advanced Sustainable Systems, 2018, 2, 1700185.	2.7	4
21	Impact of cellulose treatment with hydrotalcites in hydrothermal catalytic conversion. Chemical Engineering Science, 2018, 179, 83-91.	1.9	14
22	Treatment of saline produced water through photocatalysis using rGO-TiO2 nanocomposites. Catalysis Today, 2018, 315, 194-204.	2.2	44
23	Synthesis and characterization of polycarbodiimides by MALDI-TOF MS and NMR spectroscopy: kinetic and mechanism study. Polymer Bulletin, 2018, 75, 2657-2670.	1.7	0
24	Significance and Challenges of Biomass as a Suitable Feedstock for Bioenergy and Biochemical Production: A Review. Energies, 2018, 11, 3366.	1.6	260
25	Pd/TiO2-WO3 photocatalysts for hydrogen generation from water-methanol mixtures. Applied Surface Science, 2018, 455, 570-580.	3.1	37
26	Catalysis under microscope: Unraveling the mechanism of catalyst de- and re-activation in the continuous dimethyl carbonate synthesis from CO2 and methanol in the presence of a dehydrating agent. Catalysis Today, 2017, 283, 2-10.	2.2	49
27	Catalytic ozonation of clofibric acid over copper-based catalysts: In situ ATR-IR studies. Applied Catalysis B: Environmental, 2017, 209, 523-529.	10.8	43
28	Enhanced photocatalytic degradation of methylene blue: Preparation of TiO2/reduced graphene oxide nanocomposites by direct sol-gel and hydrothermal methods. Materials Research Bulletin, 2017, 95, 578-587.	2.7	68
29	Role of the synthesis route on the properties of hybrid LDH-graphene as basic catalysts. Applied Surface Science, 2017, 396, 821-831.	3.1	18
30	Integrated processes for produced water polishing: Enhanced flotation/sedimentation combined with advanced oxidation processes. Chemosphere, 2017, 168, 309-317.	4.2	40
31	Combining catalytical and biological processes to transform cellulose into high value-added products. ChemistrySelect, 2017, 2, .	0.7	1
32	Silver/Platinum Supported on TiO2 P25 Nanocatalysts for Non-photocatalytic and Photocatalytic Denitration of Water. Topics in Catalysis, 2017, 60, 1156-1170.	1.3	6
33	Dark fermentative hydrogen and ethanol production from biodiesel waste glycerol using a co-culture of Escherichia coli and Enterobacter sp.. Fuel, 2016, 186, 375-384.	3.4	76
34	A comprehensive study on iodine uptake by selected LDH phases via coprecipitation, anionic exchange and reconstruction. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 111-121.	0.7	9
35	Novel mild synthesis of high-added-value p-hydroxyphenyl acetic acid and 3,4-dihydroxyphenyl acetic acid using the acidic clay/hydrogen peroxide catalytic system. Comptes Rendus Chimie, 2016, 19, 286-292.	0.2	7
36	Influence of the preparation route on the basicity of La-containing mixed oxides obtained from LDH precursors. Journal of Molecular Catalysis A, 2016, 412, 101-106.	4.8	10

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37	New tuneable catalytic membrane reactor for various reactions in aqueous media. ChemistrySelect, 2016, 1, 124-126.	0.7	2
38	Bio-nanohybrid catalysts based on l-leucine immobilized in hydrotalcite and their activity in aldol reaction. Applied Catalysis A: General, 2016, 519, 116-129.	2.2	8
39	In-situ study of substrate â€“ catalyst interactions in a JuliÃ¡â€“Colonna epoxidation using quartz crystal microbalance with dissipation. Journal of Colloid and Interface Science, 2016, 469, 263-268.	5.0	4
40	Chromium(VI) reduction in aqueous medium by means of catalytic membrane reactors. Journal of Environmental Chemical Engineering, 2016, 4, 1880-1889.	3.3	9
41	Highly selective multifunctional nanohybrid catalysts for the one-pot synthesis of Î±,Î²-epoxy-chalcones. Journal of Catalysis, 2016, 334, 120-128.	3.1	8
42	Synthesis of tungsten carbide on Al-SBA-15 mesoporous materials by carburization. Microporous and Mesoporous Materials, 2016, 219, 19-28.	2.2	17
43	Combined heterogeneous catalysis and dark fermentation systems for the conversion of cellulose into biohydrogen. Biochemical Engineering Journal, 2015, 101, 209-219.	1.8	20
44	d-Lactic acid production from cellulose: dilute acid treatment of cellulose assisted by microwave followed by microbial fermentation. Cellulose, 2015, 22, 3089-3098.	2.4	20
45	Phosphoric acid intercalated Mgâ€“Al hydrotalcite-like compounds for catalytic carboxylation reaction of methanol in a continuous system. Applied Catalysis A: General, 2015, 493, 142-148.	2.2	17
46	Size and Aspect Ratio Control of Pd₂Sn Nanorods and Their Water Denitration Properties. Langmuir, 2015, 31, 3952-3957.	1.6	29
47	Catalytic wet hydrogen peroxide oxidation of p-hydroxybenzoic acid over Fe/TiO2 and 0.5Ruâ€“3Fe/TiO2. Journal of Sol-Gel Science and Technology, 2015, 76, 679-685.	1.1	7
48	Comparative study of textural, structural and catalytic properties of xerogels and aerogels CeO2â€“TiO2 mixed oxides. Journal of Porous Materials, 2015, 22, 939-948.	1.3	8
49	Total degradation of p-hydroxybenzoic acid by Ru-catalysed wet air oxidation: a model for wastewater treatment. Environmental Chemistry Letters, 2015, 13, 481-486.	8.3	13
50	Rational and Statistical Approaches in Enhancing the Yield of Ethylene Carbonate in Urea Transesterification with Ethylene Glycol over Metal Oxides. ACS Catalysis, 2015, 5, 6284-6295.	5.5	21
51	Influence of structural properties on the activity of WO 3 catalysts for visible light photocatalytic ozonation. Chemical Engineering Science, 2015, 126, 80-90.	1.9	44
52	Influence of copper on nickel-based catalysts in the conversion of glycerol. Applied Catalysis B: Environmental, 2015, 166-167, 166-180.	10.8	49
53	FeOOH and derived phases: Efficient heterogeneous catalysts for clofibric acid degradation by advanced oxidation processes (AOPs). Catalysis Today, 2015, 240, 46-54.	2.2	45
54	Heterogeneous catalytic oxidation of phenol by in situ generated hydrogen peroxide applying novel catalytic membrane reactors. Chemical Engineering Journal, 2015, 262, 344-355.	6.6	27

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55	Clofibric acid degradation by catalytic ozonation using hydrotalcite-derived catalysts. Applied Catalysis B: Environmental, 2014, 150-151, 30-36.	10.8	29
56	Alanine-supported protic ionic liquids as efficient catalysts for aldol condensation reactions. Comptes Rendus Chimie, 2014, 17, 18-22.	0.2	10
57	On the role of ultrasound and mechanical stirring for iodide adsorption by calcined layered double hydroxides. Applied Clay Science, 2014, 91-92, 70-78.	2.6	26
58	Hydrolysis of dilute acid-pretreated cellulose under mild hydrothermal conditions. Carbohydrate Polymers, 2014, 111, 116-124.	5.1	48
59	Conversion of glycerol over 10%Ni/Î³-Al2O3 catalyst. Applied Catalysis B: Environmental, 2014, 147, 464-480.	10.8	94
60	Durable ethanol steam reforming in a catalytic membrane reactor at moderate temperature over cobalt hydrotalcite. International Journal of Hydrogen Energy, 2014, 39, 10902-10910.	3.8	41
61	Direct growth of hydrotalcite nanolayers on carbon fibers by electrospinning. Applied Clay Science, 2014, 101, 461-467.	2.6	9
62	Pdâ€“Fe/TiO2 catalysts for phenol degradation with in situ generated H2O2. Journal of Sol-Gel Science and Technology, 2014, 71, 96-101.	1.1	9
63	Effect of impregnation protocol in the metallic sites of Ptâ€“Ag/activated carbon catalysts for water denitration. Applied Surface Science, 2014, 298, 75-89.	3.1	13
64	Improved Fe₂O₃/Al₂O₃ as heterogeneous Fenton catalysts for the oxidation of phenol solutions in a continuous reactor. Journal of Chemical Technology and Biotechnology, 2014, 89, 1121-1128.	1.6	32
65	Ethanol Steam Reforming Over Hydrotalcite-Derived Co Catalysts Doped with Pt and Rh. Topics in Catalysis, 2013, 56, 1660-1671.	1.3	16
66	Structure evolution of layered double hydroxides activated by ultrasound induced reconstruction. Applied Clay Science, 2013, 83-84, 1-11.	2.6	31
67	Glycerol fermentation to hydrogen by Thermotoga maritima: Proposed pathway and bioenergetic considerations. International Journal of Hydrogen Energy, 2013, 38, 5563-5572.	3.8	42
68	Synthesis and characterization of poly-l-leucine initialized and immobilized by rehydrated hydrotalcite: understanding stability and the nature of interaction. Physical Chemistry Chemical Physics, 2013, 15, 15645.	1.3	10
69	PdCu alloy nanoparticles on alumina as selective catalysts for trichloroethylene hydrodechlorination to ethylene. Applied Catalysis A: General, 2013, 453, 130-141.	2.2	46
70	Uranium removal from a contaminated effluent using a combined microbial and nanoparticle system. New Biotechnology, 2013, 30, 788-792.	2.4	10
71	On the role of the activation procedure of supported hydrotalcites for base catalyzed reactions: Glycerol to glycerol carbonate and self-condensation of acetone. Applied Catalysis B: Environmental, 2013, 134-135, 231-237.	10.8	46
72	Boosted CO2 reaction with methanol to yield dimethyl carbonate over Mgâ€“Al hydrotalcite-silica lyogels. Chemical Communications, 2013, 49, 5489.	2.2	41

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73	Biohydrogen production by dark fermentation of glycerol using Enterobacter and Citrobacter Sp. Biotechnology Progress, 2013, 29, 31-38.	1.3	31
74	Cobalt hydrotalcite for the steam reforming of ethanol with scarce carbon production. RSC Advances, 2012, 2, 2946.	1.7	52
75	Cobalt hydrotalcites as catalysts for bioethanol steam reforming. The promoting effect of potassium on catalyst activity and long-term stability. Applied Catalysis B: Environmental, 2012, 127, 59-67.	10.8	77
76	In situ generation of hydrogen peroxide in catalytic membrane reactors. Catalysis Today, 2012, 193, 128-136.	2.2	20
77	Synthesis of stable Cu-supported pillared clays for wet tyrosol oxidation with H2O2. Journal of Physics and Chemistry of Solids, 2012, 73, 1524-1529.	1.9	3
78	Stability of ruthenium catalysts supported by aerogel mixed oxides during the wet air oxidation of p-hydroxybenzoic acid in a continuous reactor. Reaction Kinetics, Mechanisms and Catalysis, 2012, 107, 311-319.	0.8	0
79	Tunable basic and textural properties of hydrotalcite derived materials for transesterification of glycerol. Applied Clay Science, 2012, 58, 16-24.	2.6	66
80	Ptâ€“Ag/activated carbon catalysts for water denitration in a continuous reactor: Incidence of the metal loading, Pt/Ag atomic ratio and Pt metal precursor. Applied Catalysis B: Environmental, 2012, 127, 351-362.	10.8	23
81	Biohydrogen Production from Glycerol using Thermotoga spp.. Energy Procedia, 2012, 29, 300-307.	1.8	33
82	Synthesis of glycerol carbonates by transesterification of glycerol in a continuous system using supported hydrotalcites as catalysts. Applied Catalysis B: Environmental, 2012, 113-114, 212-220.	10.8	89
83	Gas-phase hydrodechlorination of trichloroethylene over Pd/NiMgAl mixed oxide catalysts. Applied Catalysis B: Environmental, 2012, 117-118, 236-245.	10.8	19
84	Formation of Î³-alumina nanorods in presence of alanine. Materials Research Bulletin, 2011, 46, 271-277.	2.7	17
85	Asymmetric epoxidation of chalcone catalyzed by reusable poly-l-leucine immobilized on hydrotalcite. Journal of Catalysis, 2011, 282, 65-73.	3.1	17
86	Catalytic reduction of nitrates in water on Pt promoted Cu hydrotalcite-derived catalysts: Effect of the Ptâ€“Cu alloy formation. Applied Catalysis B: Environmental, 2011, 110, 58-70.	10.8	38
87	Novel nanohybrid materials based on l-leucine on hydrotalcite clays: Asymmetric epoxidation reaction of chalcona. Catalysis Today, 2011, 172, 48-52.	2.2	4
88	Catalytic activity and characterization of Pt/calcined CuZnAl hydrotalcites in nitrate reduction reaction in water. Catalysis Today, 2011, 175, 370-379.	2.2	12
89	Preparation and characterization of CeO2â€“Al2O3 aerogels supported ruthenium for catalytic wet air oxidation of p-hydroxybenzoic acid. Journal of Sol-Gel Science and Technology, 2011, 59, 1-6.	1.1	11
90	Hydrogen substitutes for the in situ generation of H2O2: An application in the Fenton reaction. Journal of Hazardous Materials, 2011, 192, 340-6.	6.5	22

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91	Chlorophenol degradation using a one-pot reductionâ€“oxidation process. Applied Catalysis B: Environmental, 2011, 104, 161-168.	10.8	20
92	Performance of alkali modified Pd/Mg(Al)O catalysts for hydrodechlorination of 1,2,4-trichlorobenzene. Applied Catalysis B: Environmental, 2011, 105, 361-372.	10.8	13
93	Enhanced Cu activity in catalytic ozonation of clofibric acid by incorporation into ammonium dawsonite. Applied Catalysis B: Environmental, 2011, 107, 9-17.	10.8	43
94	1,5,7-Triazabicyclo[4.4.0]dec-5-ene (TBD) an efficient homogeneous catalyst for aldol condensation reactions. Study of the catalyst recovery and reusability using CO2. Tetrahedron Letters, 2011, 52, 385-387.	0.7	18
95	Effect of support and second metal in catalytic in-situ generation of hydrogen peroxide by Pd-supported catalysts: application in the removal of organic pollutants by means of the Fenton process. Water Science and Technology, 2011, 63, 2017-2024.	1.2	6
96	Enhanced use of renewable resources: Transesterification of glycerol catalyzed by hydrotalcite-like compounds. Chemical Engineering Journal, 2010, 161, 340-345.	6.6	107
97	New basic catalysts obtained from layered double hydroxides nanocomposites. Solid State Sciences, 2010, 12, 1013-1017.	1.5	21
98	Highly basic catalysts obtained by intercalation of La-containing anionic complexes in layered double hydroxides. Applied Catalysis A: General, 2010, 382, 272-276.	2.2	31
99	Pt/CuZnAl mixed oxides for the catalytic reduction of nitrates in water: Study of the incidence of the Cu/Zn atomic ratio. Physics Procedia, 2010, 8, 44-48.	1.2	6
100	Catalytic reduction of nitrates using Pt/CeO2 catalysts in a continuous reactor. Catalysis Today, 2010, 149, 341-347.	2.2	50
101	Alkaline-earth-doped mixed oxides obtained from LDH nanocomposites as highly basic catalysts. Catalysis Today, 2010, 152, 115-118.	2.2	6
102	BrÃ¸nsted ionic liquids: Study of physico-chemical properties and catalytic activity in aldol condensations. Chemical Engineering Journal, 2010, 162, 802-808.	6.6	78
103	Pretreatment Effect on Pt/CeO₂ Catalyst in the Selective Hydrodechlorination of Trichloroethylene. Journal of Physical Chemistry C, 2010, 114, 17675-17682.	1.5	36
104	Microwave-assisted synthesis of saponite. Applied Clay Science, 2010, 48, 26-31.	2.6	47
105	New synthesis route of hydrocalumite-type materials and their application as basic catalysts for aldol condensation. Applied Clay Science, 2010, 50, 498-502.	2.6	24
106	Simultaneous in situ generation of hydrogen peroxide and Fenton reaction over Pdâ€“Fe catalysts. Physical Chemistry Chemical Physics, 2010, 12, 14673.	1.3	27
107	Hydrodechlorination of trichloroethylene on noble metal promoted Cu-hydrotalcite-derived catalysts. Journal of Catalysis, 2009, 263, 239-246.	3.1	59
108	Biohydrogen production from different biodegradable substrates through dark fermentation. New Biotechnology, 2009, 25, S216-S217.	2.4	1

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109	Effect of microwaves in the dealumination of mordenite on its surface and acidic properties. Microporous and Mesoporous Materials, 2009, 118, 341-347.	2.2	38
110	Comparative study of nanocrystalline SnO2 materials for gas sensor application: Thermal stability and catalytic activity. Sensors and Actuators B: Chemical, 2009, 137, 637-643.	4.0	62
111	Preparation and characterization of CeO2â€“TiO2 support for Ru catalysts: Application in CWAO of p-hydroxybenzoic acid. Microporous and Mesoporous Materials, 2009, 117, 431-435.	2.2	22
112	Acidity properties of Ni-exchanged mordenites prepared with and without microwaves. Applied Catalysis A: General, 2009, 368, 163-169.	2.2	25
113	Catalytic hydrodechlorination of 1,2,4-trichlorobenzene over Pd/Mg(Al)O catalysts. Applied Catalysis B: Environmental, 2009, 87, 70-77.	10.8	20
114	Study of Ptâ€“CeO2 interaction and the effect in the selective hydrodechlorination of trichloroethylene. Applied Catalysis B: Environmental, 2009, 87, 84-91.	10.8	51
115	Phenol degradation by Fenton's process using catalytic in situ generated hydrogen peroxide. Applied Catalysis B: Environmental, 2009, 89, 519-526.	10.8	89
116	Fast microwave synthesis of hectorite. Applied Clay Science, 2009, 43, 103-107.	2.6	40
117	Control of the Basicity in Niâ€“MgO Systems: Influence in the Hydrogenation of Styrene Oxide. Catalysis Letters, 2008, 122, 259-266.	1.4	7
118	A novel method of copper-exchanged aluminum-pillared clay preparation for olive oil mill wastewater treatment. Journal of Physics and Chemistry of Solids, 2008, 69, 1116-1120.	1.9	21
119	Copper-supported pillared clay catalysts for the wet hydrogen peroxide catalytic oxidation of model pollutant tyrosol. Applied Catalysis A: General, 2008, 349, 20-28.	2.2	47
120	Propene epoxidation over TiO2-supported Auâ€“Cu alloy catalysts prepared from thiol-capped nanoparticles. Journal of Catalysis, 2008, 258, 187-198.	3.1	124
121	Catalytic wet peroxide oxidation of phenolic solutions over Fe2O3/CeO2 and WO3/CeO2 catalyst systems. Catalysis Communications, 2008, 9, 1533-1538.	1.6	35
122	The DBU-H2O complex as a new catalyst for aldol condensation reactions. Catalysis Communications, 2008, 9, 2090-2094.	1.6	50
123	Direct generation of hydrogen peroxide from formic acid and O2 using heterogeneous Pd/Î³-Al2O3 catalysts. Chemical Communications, 2008, , 3885.	2.2	27
124	Stability of copper supported pillared clay catalysts during oxidation of model pollutant tyrosol in batch and continuous reactors. Studies in Surface Science and Catalysis, 2008, 174, 1355-1358.	1.5	1
125	Adsorption of Carbon Dioxide in Several Aged Hydrotalcites and Calcined Hydrotalcites: Influence of Microwave Irradiation during the Ageing Step on Their Basic Properties. Adsorption Science and Technology, 2007, 25, 143-154.	1.5	7
126	New Short Aliphatic Chain Ionic Liquids:â€‰ Synthesis, Physical Properties, and Catalytic Activity in Aldol Condensations. Journal of Physical Chemistry B, 2007, 111, 12468-12477.	1.2	83

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127	Selective Adsorption of Volatile Organic Compounds in Micropore Aluminum Methylphosphonate-Î±:Â A Combined Molecular Simulationâ˜Experimental Approach. Langmuir, 2007, 23, 7299-7305.	1.6	26
128	Omegaâ˜3 fatty acid ethyl ester from a simple catalytic non-oxidative dehydrogenation of a biobased oleochemical. Catalysis Communications, 2007, 8, 319-323.	1.6	6
129	Catalytic wet air oxidation of phenol aqueous solutions by 1% Ru/CeO2â€“Al2O3 catalysts prepared by different methods. Catalysis Communications, 2007, 8, 424-428.	1.6	26
130	Effective catalysts, prepared from several hydrotalcites aged with and without microwaves, for the clean obtention of 2-phenylethanol. Applied Catalysis A: General, 2007, 331, 19-25.	2.2	14
131	Oxidation of ethanol to acetaldehyde over Na-promoted vanadium oxide catalysts. Applied Catalysis A: General, 2007, 332, 263-272.	2.2	36
132	Microporous high-surface area layered CeO2. Microporous and Mesoporous Materials, 2007, 100, 167-172.	2.2	22
133	Microwave effect during aging on the porosity and basic properties of hydrotalcites. Microporous and Mesoporous Materials, 2007, 101, 363-373.	2.2	60
134	Hydrogenation of styrene oxide in the presence of supported platinum catalysts to produce 2-phenylethanol. Journal of Molecular Catalysis A, 2007, 261, 98-103.	4.8	21
135	Propene epoxidation by nitrous oxide over Auâ€“Cu/TiO2 alloy catalysts. Journal of Molecular Catalysis A, 2007, 274, 159-168.	4.8	87
136	Defect-induced strategies for the creation of highly active hydrotalcites in base-catalyzed reactions. Journal of Catalysis, 2007, 252, 249-257.	3.1	76
137	Aldol condensation of campholenic aldehyde and MEK over activated hydrotalcites. Applied Catalysis B: Environmental, 2007, 70, 577-584.	10.8	53
138	Effects of morphology and cesium promotion over silver nanoparticles catalysts in the styrene epoxidation. Journal of Materials Science, 2007, 42, 3307-3314.	1.7	13
139	Hydrogenolysis of methylcyclopentane over the bimetallic Irâ€“Au/Î³-Al2O3 catalysts. Applied Surface Science, 2007, 253, 5888-5893.	3.1	29
140	Effects of Different Catalysts on the Ozonation of Pyruvic Acid in Water. Ozone: Science and Engineering, 2006, 28, 229-235.	1.4	12
141	Synthesis, characterization and catalytic activity of metal nanoparticles in the selective oxidation of olefins in the gas phase. Journal of Experimental Nanoscience, 2006, 1, 399-418.	1.3	8
142	Styrene epoxidation over cesium promoted silver nanowires catalysts. Journal of Molecular Catalysis A, 2006, 258, 346-354.	4.8	18
143	Catalytic reduction of nitrate on Pt-Cu and Pd-Cu on active carbon using continuous reactorThe effect of copper nanoparticles. Applied Catalysis B: Environmental, 2006, 62, 77-85.	10.8	157
144	Catalytic ozonation of phenolic compoundsThe case of gallic acid. Applied Catalysis B: Environmental, 2006, 67, 177-186.	10.8	55

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145	Synthesis of silver-gold alloy nanoparticles by a phase-transfer system. Journal of Materials Research, 2006, 21, 105-111.	1.2	43
146	Precise Characterization of Selected Silica-Based Materials from Grand Canonical Monte Carlo Simulations. Materials Science Forum, 2006, 514-516, 1396-1400.	0.3	1
147	Study of alkaline-doping agents on the performance of reconstructed Mgâ€“Al hydrotalcites in aldol condensations. Applied Catalysis A: General, 2005, 281, 191-198.	2.2	87
148	Preparation of 2-phenylethanol by catalytic selective hydrogenation of styrene oxide using palladium catalysts. Journal of Molecular Catalysis A, 2005, 239, 215-221.	4.8	32
149	Sensitivity of styrene oxidation reaction to the catalyst structure of silver nanoparticles. Applied Surface Science, 2005, 252, 793-800.	3.1	49
150	Search for a reliable methodology for PSD determination based on a combined molecular simulationâ€“regularizationâ€“experimental approach. Applied Surface Science, 2005, 252, 538-547.	3.1	10
151	Isomerisation of styrene oxide to phenylacetaldehyde by fluorinated mordenites using microwaves. Journal of Catalysis, 2005, 232, 239-245.	3.1	24
152	Aldol Condensations Over Reconstructed Mg-Al Hydrotalcites: Structure-Activity Relationships Related to the Rehydration Method. Chemistry - A European Journal, 2005, 11, 728-739.	1.7	215
153	Ozonation of activated carbons: Effect on the adsorption of selected phenolic compounds from aqueous solutions. Journal of Colloid and Interface Science, 2005, 283, 503-512.	5.0	141
154	Nanoplatelet-based reconstructed hydrotalcites: towards more efficient solid base catalysts in aldol condensations. Chemical Communications, 2005, , 1453-1455.	2.2	82
155	Pore Size Distribution Analysis of Selected Hexagonal Mesoporous Silicas by Grand Canonical Monte Carlo Simulations. Langmuir, 2005, 21, 8733-8742.	1.6	17
156	Supported choline hydroxide (ionic liquid) as heterogeneous catalyst for aldol condensation reactions. Chemical Communications, 2004, , 1096-1097.	2.2	103
157	Epoxidation of styrene with hydrogen peroxide using hydrotalcites as heterogeneous catalysts. Applied Catalysis A: General, 2004, 272, 175-185.	2.2	77
158	Evolution of several Ni and Niâ€“MgO catalysts during the hydrogenation reaction of adiponitrile. Applied Catalysis A: General, 2004, 272, 353-362.	2.2	20
159	The catalytic transformation of chlorofluorocarbons in hydrogen on metal-based catalysts supported on inorganic fluorides. Catalysis Today, 2004, 88, 127-137.	2.2	19
160	Design of NiOâ€”MgO Materials with Different Properties.. ChemInform, 2004, 35, no.	0.1	0
161	Supported Choline Hydroxide (Ionic Liquid) as Heterogeneous Catalyst for Aldol Condensation Reactions.. ChemInform, 2004, 35, no.	0.1	1
162	High-selective Ni-MgO catalysts for a clean obtention of 2-phenylethanol. Applied Catalysis A: General, 2004, 272, 125-132.	2.2	15

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163	Design of NiOâ€“MgO materials with different properties. Physical Chemistry Chemical Physics, 2004, 6, 858-864.	1.3	21
164	Study of the Influence of Several Mordenite Modifications on Its N2and O2Adsorption Properties. Journal of Physical Chemistry B, 2004, 108, 5359-5364.	1.2	16
165	Different morphologies of silver nanoparticles as catalysts for the selective oxidation of styrene in the gas phase. Chemical Communications, 2004, , 846-847.	2.2	171
166	Steam Reforming of Sunflower Oil over Ni/Al Catalysts Prepared from Hydrotalcite-Like Materials. Catalysis Letters, 2003, 85, 41-48.	1.4	16
167	Effect of the aluminium fluoride phase for the Cl/F exchange reactions in CCl2F2 (CFC-12) and CHClF2 (HCFC-22). Applied Catalysis B: Environmental, 2003, 40, 259-269.	10.8	23
168	Characterization and catalytic properties of several KMg1â^'xPdxF3 with perovskite-like structures for the hydroconversion of CHClF2. Applied Catalysis B: Environmental, 2003, 42, 251-264.	10.8	9
169	Oxidation of activated carbon: application to vinegar decolorization. Journal of Colloid and Interface Science, 2003, 257, 173-178.	5.0	27
170	Comparative study of the morphology and surface properties of nickel oxide prepared from different precursors. Solid State Ionics, 2003, 156, 233-243.	1.3	74
171	Nickelâ€“Magnesia Catalysts: An Alternative for the Hydrogenation of 1,6-Hexanedinitrile. Journal of Catalysis, 2002, 209, 202-209.	3.1	23
172	Use of Ni/Al-MCM-41 Catalysts for the Exhaustive Hydrodechlorination of 1,2,4-Trichlorobenzene. Catalysis Letters, 2002, 79, 83-88.	1.4	14
173	Hydrogen Production by Steam Reforming of Vegetable Oils Using Nickel-Based Catalysts. Industrial & Engineering Chemistry Research, 2001, 40, 4757-4766.	1.8	33
174	A New Route to the Synthesis of Fine-Grain Gibbsite. Chemistry of Materials, 2001, 13, 2595-2600.	3.2	20
175	Nickel and Nickelâ€“Magnesia Catalysts Active in the Hydrogenation of 1,4-Butanedinitrile. Journal of Catalysis, 2001, 197, 210-219.	3.1	21
176	Studies on the Characterization of Several Iridiumâ€“ and Rhodiumâ€“clay Catalysts and Their Activity in Imine Hydrogenation. Journal of Catalysis, 2001, 201, 70-79.	3.1	21
177	Title is missing!. Catalysis Letters, 2001, 77, 141-146.	1.4	8
178	Cu/Ni/Al layered double hydroxides as precursors of catalysts for the wet air oxidation of phenol aqueous solutions. Applied Catalysis B: Environmental, 2001, 30, 195-207.	10.8	114
179	Hydrodechlorination of 1,2,4-trichlorobenzene on nickel-based catalysts prepared from several Ni/Mg/Al hydrotalcite-like precursors. Applied Catalysis B: Environmental, 2001, 32, 25-35.	10.8	52
180	Palladium hydrotalcites as precursors for the catalytic hydroconversion of CCl2F2 (CFC-12) and CHClF2 (HCFC-22). Applied Catalysis B: Environmental, 2001, 32, 167-179.	10.8	51

#	Article	IF	Citations
181	Study of preparation conditions of NiOâ€“MgO systems to control the morphology and particle size of the NiO phase. Solid State Ionics, 2000, 134, 229-239.	1.3	40
182	Synthesis and characterization of several Ni/NiAl2O4 catalysts active for the 1,2,4-trichlorobenzene hydrodechlorination. Applied Catalysis B: Environmental, 2000, 25, 213-227.	10.8	90
183	Preparation and Characterization of Several High-Area NiAl2O4Spinels. Study of Their Reducibility. Chemistry of Materials, 2000, 12, 331-335.	3.2	80
184	Preparation and Characterization of Different Phases of Aluminum Trifluoride. Chemistry of Materials, 2000, 12, 1148-1155.	3.2	39
185	Preparation and Activity of Cuâ€“Al Mixed Oxides via Hydrotalcite-like Precursors for the Oxidation of Phenol Aqueous Solutions. Journal of Catalysis, 1999, 188, 311-324.	3.1	73
186	Effect of the alumina phase and its modification on Ni/Al2O3 catalysts for the hydrodechlorination of 1,2,4-trichlorobenzene. Applied Catalysis B: Environmental, 1999, 22, 135-147.	10.8	50
187	Conversion under hydrogen of dichlorodifluoromethane and chlorodifluoromethane over nickel catalysts. Applied Catalysis B: Environmental, 1999, 23, 175-185.	10.8	38
188	Preparation and Study of Cuâ^'Al Mixed Oxides via Hydrotalcite-like Precursors. Chemistry of Materials, 1999, 11, 939-948.	3.2	129
189	Several Factors Affecting Faster Rates of Gibbsite Formation. Chemistry of Materials, 1999, 11, 123-129.	3.2	43
190	Obtention and surface characterisation of several ash-free chars. Carbon, 1998, 36, 1027-1031.	5.4	4
191	Characterisation of copper catalysts and activity for the oxidation of phenol aqueous solutions. Applied Catalysis B: Environmental, 1998, 16, 53-67.	10.8	77
192	Characterization and activity of copper and nickel catalysts for the oxidation of phenol aqueous solutions. Applied Catalysis B: Environmental, 1998, 18, 307-315.	10.8	108
193	Characterization and catalytic properties of several LaNi and SrNi solids. Applied Catalysis A: General, 1997, 152, 249-269.	2.2	11
194	Hydrogenation of Acetonitrile on Nickel-Based Catalysts Prepared from Hydrotalcite-like Precursors. Journal of Catalysis, 1997, 167, 142-152.	3.1	106
195	Activation under oxidizing and reducing atmospheres of Ni-containing layered double hydroxides. Applied Catalysis A: General, 1997, 159, 241-258.	2.2	87
196	Structural characterization of NiO doped with several caesium loadings. Journal of Molecular Catalysis A, 1997, 119, 77-85.	4.8	16
197	Characterization and activity of hydrotalcite-type catalysts for acetonitrile hydrogenation. Journal of Molecular Catalysis A, 1997, 119, 201-212.	4.8	40
198	Surface structure of bulk nickel catalysts, active in the gas-phase hydrodechlorination reaction of aromatics. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 2811-2816.	1.7	66

#	Article	IF	Citations
199	Characterization of nickel species on several Î³-alumina supported nickel samples. Journal of Molecular Catalysis A, 1996, 106, 125-134.	4.8	139
200	Characterization of several Î³-alumina-supported nickel catalysts and activity for selective hydrogenation of hexanedinitrile. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 1455-1459.	1.7	34
201	NiO Reducibilities: Structural and Catalytic Properties of Their Pure and Potassium-Doped Reduced Forms. Journal of Catalysis, 1993, 142, 392-405.	3.1	29
202	Structural characteristics and catalytic performance of nickel catalysts for selective hydrogenation of 1,6-hexanedinitrile. Journal of Molecular Catalysis, 1993, 81, 363-371.	1.2	26
203	Characterization of potassium-doped nickel catalysts and activity for selective hydrogenation of 1,6-hexanedinitrile. Journal of Molecular Catalysis, 1993, 81, 387-395.	1.2	30
204	Synthesis and characterization of several potassium-doped iron-nickel samples active for the 1,6-hexanedinitrile hydrogenation. Solid State Ionics, 1993, 59, 205-210.	1.3	14
205	Surface characterization and catalytic properties of several graphite supported potassium-free and potassium-doped nickel catalysts. Applied Catalysis A: General, 1993, 99, 115-129.	2.2	28
206	Structure of Sr3V10O28.22H2O. Acta Crystallographica Section C: Crystal Structure Communications, 1993, 49, 1879-1881.	0.4	9
207	Structural and catalytic properties of several potassium-doped nickel/Î±-alumina solids. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3981-3986.	1.7	20
208	Surface characterization and hydrogenation properties of several nickel/Î±-alumina catalysts. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3507-3512.	1.7	23
209	Characterization and catalytic properties of several potassium-doped iron-nickel catalysts. Applied Catalysis A: General, 1992, 92, 131-141.	2.2	18
210	Activity and XRD phase identification of several nickel catalysts for adiponitrile hydrogenation. Journal of Molecular Catalysis, 1991, 68, L17-L20.	1.2	12
211	Activity and surface characteristics of several alkali-doped iron catalysts for nttrile hydrogenation. Journal of Molecular Catalysis, 1990, 61, 197-205.	1.2	14
212	New BrÃ¸nsted Ionic Liquids: Synthesis, Thermodinamics and Catalytic Activity in Aldol Condensation Reactions. , 0, , .		2
213	Mg/Al/Zr hydrotalcite like compounds as catalysts for green synthesis of carbamates. Inorganic and Nano-Metal Chemistry, 0, , 1-11.	0.9	0