MÃ³nica L Casella

List of Publications by Year
in descending order

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68 papers	1,701 citations	411340 20 h-index	340414 39 g-index
70 all docs	70 docs citations	70 times ranked	2235 citing authors

#	Article	IF	Citations
1	Catalytic hydrogenation of nitrate in water: improvement of the activity and selectivity to N₂ by using Rh(III)-hexamolybdate supported on ZrO₂â€“Al₂O₃. Environmental Technology (United Kingdom), 2022, 43, 560-571.	1.2	3
2	Supported ruthenium catalysts for the aqueous-phase selective hydrogenation of furfural to furfuryl alcohol. Catalysis Today, 2022, 394-396, 81-93.	2.2	13
3	Noble metal nanoparticles-based heterogeneous bionano-catalysts supported on S-layer protein/polyurethane system. Catalysis Today, 2021, 372, 98-106.	2.2	7
4	Synthesis and catalytic evaluation of acidic carbons in the etherification of glycerol obtained from biodiesel production. Catalysis Today, 2021, 372, 107-114.	2.2	13
5	Promoting effect of rhodium on Co/ZnAl2O4 catalysts for the catalytic combustion of hydrocarbons. Catalysis Today, 2021, 372, 2-10.	2.2	3
6	Tuning the product distribution during the catalytic pyrolysis of waste tires: The effect of the nature of metals and the reaction temperature. Catalysis Today, 2021, 372, 164-174.	2.2	24
7	Use of PdCu catalysts supported on zirconia-ceria based supports for the elimination of oxyanions present in water. Catalysis Today, 2021, 372, 154-163.	2.2	7
8	La importancia de los recursos virtuales en Ã©pocas de pandemia. El curso de QuÃmica AnalÃtica I de la UNNOBA como caso de estudio. Revista Iberoamericana De TecnologÃa En EducaciÃ³n Y EducaciÃ³n En TecnologÃa, 2021, , e10.	0.1	1
9	Thermal Behavior, Reaction Pathways and Kinetic Implications of Using a Ni/SiO2 Catalyst for Waste Tire Pyrolysis. Waste and Biomass Valorization, 2021, 12, 6465-6479.	1.8	13
10	Promoting Effect of Palladium on ZnAl2O4-Supported Catalysts Based on Cobalt or Copper Oxide on the Activity for the Total Propene Oxidation. Materials, 2021, 14, 4814.	1.3	2
11	Development of PdCu Structured Catalysts Based on ZrO₂â€“CeO₂ Materials Supported on Cordierite Monoliths for Water Remediation: Removal of Hazardous Oxyanions. Industrial & Engineering Chemistry Research, 2021, 60, 12767-12775.	1.8	3
12	A heterogeneous catalytic process to mitigate the acidity of bio-oils caused by the presence of volatile organic acids. Fuel, 2021, 299, 120919.	3.4	7
13	Regular arrangement of Pt nanoparticles on S-layer proteins isolated from Lactobacillus kefiri: synthesis and catalytic application. Molecular Catalysis, 2020, 481, 110262.	1.0	8
14	Synthesis and Catalytic Application of Silver Nanoparticles Supported on Lactobacillus kefiri S-Layer Proteins. Nanomaterials, 2020, 10, 2322.	1.9	15
15	Selective aqueous-phase hydrogenation of glucose and xylose over ruthenium-based catalysts: influence of the support. Molecular Catalysis, 2020, 495, 111150.	1.0	12
16	Etherification of 5-hydroxymethylfurfural using a heteropolyacid supported on a silica matrix. Molecular Catalysis, 2020, 494, 111125.	1.0	10
17	Acid functionalized carbons as catalyst for glycerol etherification with benzyl alcohol. Brazilian Journal of Chemical Engineering, 2020, 37, 129-137.	0.7	9
18	Platinum Nanoparticles Obtained at Mild Conditions on S-Layer Protein/Polymer Particle Supports. Langmuir, 2020, 36, 1201-1211.	1.6	9

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19	A sustainable process for biodiesel production using Zn/Mg oxidic species as active, selective and reusable heterogeneous catalysts. Bioresources and Bioprocessing, 2020, 7, .	2.0	34
20	Zirconia-Supported Silver Nanoparticles for the Catalytic Combustion of Pollutants Originating from Mobile Sources. Catalysts, 2019, 9, 297.	1.6	18
21	REMOVAL OF NITRATE FROM DRINKING WATER BY USING PdCu STRUCTURED CATALYSTS BASED ON CORDIERITE MONOLITHS. Brazilian Journal of Chemical Engineering, 2019, 36, 705-715.	0.7	6
22	Transesterification of soybean and castor oil with methanol and butanol using heterogeneous basic catalysts to obtain biodiesel. Chemical Engineering Science, 2018, 187, 444-454.	1.9	65
23	Organogermanium compounds anchored on Pt/SiO2 as chiral catalysts for the enantioselective hydrogenation of 3,4-hexanedione. Journal of Organometallic Chemistry, 2018, 863, 84-89.	0.8	2
24	Use of Rh (III)-Heteropolymolybdate as Potential Catalysts for the Removal of Nitrates in Human Drinking Water: Synthesis, Characterisation and Catalytic Performance. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	5
25	Aqueous phase hydrogenation of furfural using carbon-supported Ru and RuSn catalysts. Catalysis Today, 2017, 296, 43-50.	2.2	73
26	Experimental and theoretical investigation of the enantioselective hydrogenation of ethyl pyruvate with a Pt catalyst with new non-cinchona chiral modifiers. Journal of Molecular Catalysis A, 2016, 423, 233-239.	4.8	2
27	Oxidation of glycerol with H2O2 on Pb-promoted Pd/Î“-Al2O3 catalysts. Chinese Journal of Catalysis, 2016, 37, 1982-1990.	6.9	16
28	CO selective oxidation using Co-promoted Pt/Î³-Al2O3 catalysts. International Journal of Hydrogen Energy, 2016, 41, 19005-19013.	3.8	21
29	Composites based on modified clay assembled Rh(III)â€“heteropolymolybdates as catalysts in the liquid-phase hydrogenation of cinnamaldehyde. Comptes Rendus Chimie, 2016, 19, 1174-1183.	0.2	6
30	Bimetallic PtSn/C catalysts obtained via SOMC/M for glycerol steam reforming. Journal of Colloid and Interface Science, 2015, 459, 160-166.	5.0	13
31	Glycerol etherification with benzyl alcohol over sulfated zirconia catalysts. Applied Catalysis A: General, 2015, 505, 36-43.	2.2	21
32	Chemoselective hydrogenation of aromatic ketones with Pt-based heterogeneous catalysts. Substituent effects. Applied Catalysis A: General, 2015, 491, 70-77.	2.2	18
33	ZrO2-modified Al2O3-supported PdCu catalysts for the water denitrification reaction. Applied Catalysis B: Environmental, 2014, 156-157, 53-61.	10.8	20
34	Biodiesel production optimization using Î³Al2O3 based catalysts. Energy, 2014, 73, 661-669.	4.5	22
35	Structural aspects of PtSn/Î³-Al2O3 catalysts prepared through surface-controlled reactions: Behavior in the water denitrification reaction. Applied Catalysis A: General, 2013, 453, 227-234.	2.2	6
36	Catalysts based on Rh(III)-hexamolybdate/Î³-Al2O3 and their application in the selective hydrogenation of cinnamaldehyde to hydrocinnamaldehyde. Journal of Molecular Catalysis A, 2013, 366, 109-115.	4.8	21

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37	Pt-based chiral organotin modified heterogeneous catalysts for the enantioselective hydrogenation of 3,4-hexanedione. Applied Catalysis A: General, 2012, 445-446, 209-214.	2.2	4
38	Ge-modified Pt/SiO2 catalysts used in preferential CO oxidation (CO-PROX). Catalysis Communications, 2011, 12, 1280-1285.	1.6	16
39	Synthesis of new (â^')-menthylgermanium derivatives and its use in heterogeneous bimetallic catalysis. Journal of Organometallic Chemistry, 2011, 696, 3440-3444.	0.8	6
40	Liquid-phase furfural hydrogenation employing silica-supported PtSn and PtGe catalysts prepared using surface organometallic chemistry on metals techniques. Reaction Kinetics, Mechanisms and Catalysis, 2011, 104, 467-482.	0.8	31
41	Towards a rational design of enantioselective heterogeneous catalysts: Modeling of chiral organotin precursors. Computational and Theoretical Chemistry, 2010, 953, 91-97.	1.5	4
42	Asymmetric Hydrogenation of 3,4-Hexanedione over PtSn Catalysts. Catalysis Letters, 2010, 138, 34-39.	1.4	4
43	PtSn/SiO2 catalysts prepared by surface controlled reactions for the selective hydrogenation of cinnamaldehyde. Applied Catalysis A: General, 2010, 383, 43-49.	2.2	63
44	Transition metal-based bimetallic catalysts for the chemoselective hydrogenation of furfuraldehyde. Journal of the Brazilian Chemical Society, 2010, 21, 914-920.	0.6	68
45	Bimetallic PtSn catalyst for the selective hydrogenation of furfural to furfuryl alcohol in liquid-phase. Catalysis Communications, 2009, 10, 1665-1669.	1.6	219
46	Use of (S)-(+)-1-aminoindan, (S)-(+)-1-indanol and (1R, 2S)-(+)-cis-1-amino-2-indanol as chiral modifiers in the enantioselective hydrogenation of ethyl pyruvate with Pt/SiO2 catalysts. Catalysis Today, 2008, 133-135, 654-660.	2.2	6
47	Stereoselective hydrogenation of terpenes using platinum-based catalysts. Applied Catalysis A: General, 2007, 318, 1-8.	2.2	31
48	Study of Pt and Rh based supported catalysts modified with tetrabutyltin for the selective hydrogenation of 4-methoxyacetophenone. Reaction Kinetics and Catalysis Letters, 2007, 92, 183-193.	0.6	0
49	Hydrogenation of crotonaldehyde and butyraldehyde on silica supported Pt and PtSn catalysts: A drifts study. Catalysis Communications, 2006, 7, 204-208.	1.6	18
50	XPS and EXAFS study of supported PtSn catalysts obtained by surface organometallic chemistry on metals. Applied Catalysis A: General, 2005, 278, 239-249.	2.2	122
51	PtSn/Î³-Al2O3 isobutane dehydrogenation catalysts: The effect of alkaline metals addition. Materials Letters, 2005, 59, 2319-2324.	1.3	62
52	Synthesis of chiral organotins suitable for the preparation of asymmetric heterogeneous catalysts. Applied Organometallic Chemistry, 2005, 19, 465-472.	1.7	19
53	Study of the racemic and enantioselective hydrogenation of acetophenone and 3,4-dimethoxyacetophenone using platinum-based organotin catalysts. Catalysis Today, 2005, 107-108, 266-272.	2.2	16
54	Hydrogenation of aromatic ketones with Pt- and Sn-modified Pt catalysts. Applied Catalysis A: General, 2004, 269, 215-223.	2.2	51

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55	Study of the decomposition of supported nickel acetylacetonate by thermal techniques. Thermochimica Acta, 2003, 400, 101-107.	1.2	11
56	XPS and XAFS Pt L2,3-Edge Studies of Dispersed Metallic Pt and PtSn Clusters on SiO2Obtained by Organometallic Synthesis:Â Structural and Electronic Characteristics. Journal of Physical Chemistry B, 2003, 107, 11441-11451.	1.2	89
57	Hydrogenation of carbonyl compounds using tin-modified platinum-based catalysts prepared via surface organometallic chemistry on metals (SOMC/M). Journal of Molecular Catalysis A, 2002, 186, 223-239.	4.8	57
58	Effect of particle size in the hydrogenation of crotonaldehyde on supported Pt and Pt-Sn catalysts. Reaction Kinetics and Catalysis Letters, 2002, 75, 225-230.	0.6	20
59	Hydrogenation of (â€“)-Menthone, (+)-Isomenthone, and (+)-Pulegone with Platinum/Tin Catalysts. Catalysis Letters, 2002, 84, 251-257.	1.4	10
60	Enhanced Performance of K-doped PtSn/Î³-Al2O3 Catalysts for Isobutane Dehydrogenation**Acknowledgements. This work was sponsored by the Consejo Nacional de Investigaciones CientÃficas y TÃ©cnicas (CON1CET), Argentina The authors thank G.R.Bertolini for performing the dehydrogenation tests and N.N. Nichio for the TPO/TGA analysis.. Studies in Surface Science and Catalysis, 2001, 139, 287-294.	1.5	5
61	Stability promotion of Ni/Î±-Al2O3 catalysts by tin added via surface organometallic chemistry on metals. Catalysis Today, 2000, 62, 231-240.	2.2	52
62	Hydrogenation of crotonaldehyde on Pt/SiO2 catalysts modified with tin added via surface organometallic chemistry on metals techniques. Applied Catalysis A: General, 2000, 197, 141-149.	2.2	62
63	Surface Characterization of Li-Modified Platinum/Tin Catalysts for Isobutane Dehydrogenation. Langmuir, 2000, 16, 5639-5643.	1.6	58
64	Influence of the support and precursor compounds on the sintering and coking of supported nickel oxyreforming catalysts. Reaction Kinetics and Catalysis Letters, 1999, 66, 27-32.	0.6	5
65	Study of different support and precursor compounds for supported nickel oxyreforming catalysts. Materials Letters, 1998, 37, 290-293.	1.3	9
66	Tin/Platinum on Alumina as Catalyst for Dehydrogenation of Isobutane. Influence of the Preparation Procedure and of the Addition of Lithium on the Catalytic Properties. Industrial & Engineering Chemistry Research, 1997, 36, 4821-4826.	1.8	51
67	Gas chromatographic study of the evaporation from films composed of a volatile solvent plus a nonvolatile, nonpolymeric liquid. Industrial & Engineering Chemistry Research, 1989, 28, 1236-1241.	1.8	0
68	Solvent evaporation rates measured by gas chromatography. Progress in Organic Coatings, 1987, 15, 73-81.	1.9	2