

Francisco Jose J Urbano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4066088/publications.pdf>

Version: 2024-02-01

173
papers

6,829
citations

57631

44
h-index

74018

75
g-index

175
all docs

175
docs citations

175
times ranked

7214
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhythmic and dysrhythmic thalamocortical dynamics: GABA systems and the edge effect. <i>Trends in Neurosciences</i> , 2005, 28, 325-333.	4.2	482
2	Hydrogenolysis of organohalogen compounds over palladium supported catalysts. <i>Journal of Molecular Catalysis A</i> , 2001, 173, 329-345.	4.8	313
3	Methane combustion over palladium catalysts: The effect of carbon dioxide and water on activity. <i>Applied Catalysis A: General</i> , 1995, 123, 173-184.	2.2	274
4	Investigation of the active state of supported palladium catalysts in the combustion of methane. <i>Applied Catalysis A: General</i> , 1995, 124, 121-138.	2.2	273
5	Synthesis, characterization and photocatalytic activity of different metal-doped titania systems. <i>Applied Catalysis A: General</i> , 2006, 306, 120-127.	2.2	271
6	Temporal binding via cortical coincidence detection of specific and nonspecific thalamocortical inputs: A voltage-dependent dye-imaging study in mouse brain slices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 449-454.	3.3	259
7	Influence of the Reaction Conditions and Catalytic Properties on the Liquid-Phase Hydrodechlorination of Chlorobenzene over Palladium-Supported Catalysts: Activity and Deactivation. <i>Journal of Catalysis</i> , 1999, 187, 392-399.	3.1	144
8	Influence of the preparation method on the structural and surface properties of various magnesium oxides and their catalytic activity in the Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , 2003, 244, 207-215.	2.2	130
9	Modafinil enhances thalamocortical activity by increasing neuronal electrotonic coupling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12554-12559.	3.3	121
10	Altered properties of quantal neurotransmitter release at endplates of mice lacking P/Q-type Ca ²⁺ channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3491-3496.	3.3	120
11	Thermal decomposition of Mg/Al and Mg/Ga layered-double hydroxides: a spectroscopic study. <i>Journal of Materials Chemistry</i> , 1999, 9, 1603-1607.	6.7	111
12	Influence of the strong metal support interaction effect (SMSI) of Pt/TiO ₂ and Pd/TiO ₂ systems in the photocatalytic biohydrogen production from glucose solution. <i>Catalysis Communications</i> , 2011, 16, 1-6.	1.6	108
13	Comparative Study of Mg/M(III) (M=Al, Ga, In) Layered Double Hydroxides Obtained by Coprecipitation and the Sol-Gel Method. <i>Journal of Solid State Chemistry</i> , 2002, 168, 156-161.	1.4	105
14	̢-Band deficiency and abnormal thalamocortical activity in P/Q-type channel mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17819-17824.	3.3	94
15	Determination of diquat and paraquat in olive oil by ion-pair liquid chromatography-electrospray ionization mass spectrometry (MRM). <i>Food Chemistry</i> , 2006, 97, 181-188.	4.2	93
16	Mechanism behind gamma band activity in the pedunculopontine nucleus. <i>European Journal of Neuroscience</i> , 2011, 34, 404-415.	1.2	86
17	A comparative study of photocatalytic degradation of 3-chloropyridine under UV and solar light by homogeneous (photo-Fenton) and heterogeneous (TiO ₂) photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2012, 127, 316-322.	10.8	86
18	Magnesium-containing mixed oxides as basic catalysts: base characterization by carbon dioxide TPD-MS and test reactions. <i>Journal of Molecular Catalysis A</i> , 2004, 218, 81-90.	4.8	80

#	ARTICLE	IF	CITATIONS
19	Epoxidation of limonene over hydrotalcite-like compounds with hydrogen peroxide in the presence of nitriles. <i>Applied Catalysis A: General</i> , 2001, 216, 257-265.	2.2	79
20	Coherence and frequency in the reticular activating system (RAS). <i>Sleep Medicine Reviews</i> , 2013, 17, 227-238.	3.8	78
21	Comparative study of Mg/Al and Mg/Ga layered double hydroxides. <i>Microporous and Mesoporous Materials</i> , 1999, 29, 319-328.	2.2	77
22	Influence of the reaction conditions and catalytic properties on the liquid-phase hydrodebromination of bromobenzene over palladium supported catalysts: activity and deactivation. <i>Applied Catalysis B: Environmental</i> , 1999, 20, 101-110.	10.8	76
23	Modafinil Abrogates Methamphetamine-Induced Neuroinflammation and Apoptotic Effects in the Mouse Striatum. <i>PLoS ONE</i> , 2012, 7, e46599.	1.1	73
24	Liquid-phase hydrodechlorination of chlorobenzene over palladium-supported catalysts. <i>Journal of Molecular Catalysis A</i> , 2002, 184, 237-245.	4.8	72
25	A comparative study of hydrogen photocatalytic production from glycerol and propan-2-ol on M/TiO ₂ systems (M=Au, Pt, Pd). <i>Catalysis Today</i> , 2017, 280, 58-64.	2.2	71
26	Study of MgO and Pt/MgO Systems by XRD, TPR, and ¹ H MAS NMR. <i>Langmuir</i> , 1999, 15, 1192-1197.	1.6	67
27	Catalytic transfer hydrogenation of citral on calcined layered double hydroxides. <i>Applied Catalysis A: General</i> , 2001, 206, 95-101.	2.2	59
28	Modification of the photocatalytic activity of Pd/TiO ₂ and Zn/TiO ₂ systems through different oxidative and reductive calcination treatments. <i>Applied Catalysis B: Environmental</i> , 2008, 80, 88-97.	10.8	59
29	The effect of the addition of sodium compounds in the liquid-phase hydrodechlorination of chlorobenzene over palladium catalysts. <i>Applied Catalysis B: Environmental</i> , 2001, 31, 163-171.	10.8	58
30	Liquid-phase hydrodehalogenation of substituted chlorobenzenes over palladium supported catalysts. <i>Applied Catalysis B: Environmental</i> , 2003, 43, 71-79.	10.8	58
31	Effect of the redox treatment of Pt/TiO ₂ system on its photocatalytic behaviour in the gas phase selective photooxidation of propan-2-ol. <i>Catalysis Today</i> , 2007, 128, 235-244.	2.2	58
32	Activity of Basic Catalysts in the Meerwein-Ponndorf-Verley Reaction of Benzaldehyde with Ethanol. <i>Journal of Colloid and Interface Science</i> , 2001, 238, 385-389.	5.0	57
33	Comparison of different organic test reactions over acid-base catalysts. <i>Applied Catalysis A: General</i> , 1999, 184, 115-125.	2.2	56
34	Support and solvent effects on the liquid-phase chemoselective hydrogenation of crotonaldehyde over Pt catalysts. <i>Applied Catalysis A: General</i> , 2010, 385, 190-200.	2.2	54
35	Modafinil improves methamphetamine-induced object recognition deficits and restores prefrontal cortex ERK signaling in mice. <i>Neuropharmacology</i> , 2014, 87, 188-197.	2.0	53
36	Photocatalytic degradation of herbicide fluroxypyr in aqueous suspension of TiO ₂ . <i>Catalysis Today</i> , 2005, 101, 187-193.	2.2	52

#	ARTICLE	IF	CITATIONS
37	Sustainability metrics for a fossil- and renewable-based route for 1,2-propanediol production: A comparison. <i>Catalysis Today</i> , 2015, 239, 31-37.	2.2	51
38	Catalytic transformation of glycerol on several metal systems supported on ZnO. <i>Catalysis Today</i> , 2012, 196, 91-100.	2.2	49
39	Liquid-phase heterogeneous catalytic transfer hydrogenation of citral on basic catalysts. <i>Journal of Molecular Catalysis A</i> , 2001, 171, 153-158.	4.8	48
40	Determination of herbicide residues in olive oil by gas chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2007, 105, 855-861.	4.2	48
41	Catalytic hydrogen transfer from 2-propanol to cyclohexanone over basic Mg-Al oxides. <i>Applied Catalysis A: General</i> , 2003, 255, 301-308.	2.2	47
42	Synthesis and textural-structural characterization of magnesia, magnesia-titania and magnesia-zirconia catalysts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 234, 17-25.	2.3	47
43	An insight into the Meerwein-Ponndorf-Verley reduction of α,β -unsaturated carbonyl compounds: Tuning the acid-base properties of modified zirconia catalysts. <i>Journal of Catalysis</i> , 2009, 268, 79-88.	3.1	47
44	Calcium channels involved in neurotransmitter release at adult, neonatal and P/Q-type deficient neuromuscular junctions (Review). <i>Molecular Membrane Biology</i> , 2002, 19, 293-300.	2.0	46
45	Cognitive enhancers versus addictive psychostimulants: The good and bad side of dopamine on prefrontal cortical circuits. <i>Pharmacological Research</i> , 2016, 109, 108-118.	3.1	46
46	Reduction of α,β -unsaturated aldehydes with basic MgO/M ₂ O ₃ catalysts (M=Al, Ga, In). <i>Applied Catalysis A: General</i> , 2003, 249, 1-9.	2.2	45
47	Spatiotemporal properties of high-speed calcium oscillations in the pedunculo-pontine nucleus. <i>Journal of Applied Physiology</i> , 2013, 115, 1402-1414.	1.2	44
48	Analyses of phenolic compounds by capillary electrophoresis electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1999, 13, 562-567.	0.7	42
49	Chemometric study of Andalusian extra virgin olive oils Raman spectra: Qualitative and quantitative information. <i>Talanta</i> , 2016, 156-157, 180-190.	2.9	41
50	Exploring the Denitrification Proteome of <i>Paracoccus denitrificans</i> PD1222. <i>Frontiers in Microbiology</i> , 2018, 9, 1137.	1.5	41
51	Synthesis of different ZnO-supported metal systems through microemulsion technique and application to catalytic transformation of glycerol to acetol and 1,2-propanediol. <i>Catalysis Today</i> , 2014, 223, 129-137.	2.2	39
52	Optimization of the selective semi-hydrogenation of phenylacetylene with supported palladium systems. <i>Applied Catalysis</i> , 1990, 63, 375-389.	1.1	38
53	Synthesis and Characterization of ZrO ₂ as Acid-Base Catalysts: Reactivity of 2-Methyl-3-butyn-2-ol. <i>Journal of Catalysis</i> , 1999, 183, 240-250.	3.1	38
54	Characterization of Various Magnesium Oxides by XRD and ¹ H MAS NMR Spectroscopy. <i>Journal of Solid State Chemistry</i> , 1999, 144, 25-29.	1.4	38

#	ARTICLE	IF	CITATIONS
55	Chemoselective hydrogenation of furfural to furfuryl alcohol on ZrO ₂ systems synthesized through the microemulsion method. <i>Catalysis Today</i> , 2018, 306, 89-95.	2.2	38
56	Synthesis and characterization of ZrO ₂ as an acid–base catalyst Dehydration–dehydrogenation of propan-2-ol. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 1431-1438.	1.7	37
57	Gamma band activity in the developing parafascicular nucleus. <i>Journal of Neurophysiology</i> , 2012, 107, 772-784.	0.9	36
58	Reduction of acetophenone with palladium catalysts by hydrogen transfer and with molecular hydrogen. <i>Applied Catalysis</i> , 1988, 43, 41-55.	1.1	35
59	L-Type calcium channels unmasked by cell-permeant Ca ²⁺ buffer at mouse motor nerve terminals. <i>Pflügers Archiv European Journal of Physiology</i> , 1999, 437, 523-528.	1.3	34
60	A nuclear magnetic resonance (¹ H and ¹³ C) and isotope ratio mass spectrometry (¹³ C, ² H and ¹⁸ O) study of Andalusian olive oils. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1457-1466.	0.7	34
61	Gamma Band Activity in the Reticular Activating System. <i>Frontiers in Neurology</i> , 2012, 3, 6.	1.1	34
62	Cortical activation patterns evoked by afferent axons stimuli at different frequencies: an in vitro voltage-sensitive dye imaging study. <i>Thalamus & Related Systems</i> , 2002, 1, 371-378.	0.5	32
63	Î±-Arylation of diethyl malonate via enolate with bases in a heterogeneous phase. <i>Tetrahedron Letters</i> , 2002, 43, 2847-2849.	0.7	32
64	Somatomotor and oculomotor inferior olivary neurons have distinct electrophysiological phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16550-16555.	3.3	32
65	Attenuated methamphetamine induced neurotoxicity by modafinil administration in mice. <i>Synapse</i> , 2011, 65, 1087-1098.	0.6	32
66	Pedunculopontine Nucleus Gamma Band Activity-Preconscious Awareness, Waking, and REM Sleep. <i>Frontiers in Neurology</i> , 2014, 5, 210.	1.1	32
67	Study of structure–performance relationships in Meerwein–Ponndorf–Verley reduction of crotonaldehyde on several magnesium and zirconium-based systems. <i>Catalysis Today</i> , 2012, 187, 183-190.	2.2	30
68	Deactivation study of supported Pt catalyst on glycerol hydrogenolysis. <i>Applied Catalysis A: General</i> , 2015, 507, 34-43.	2.2	30
69	Modulation of GABA release from the thalamic reticular nucleus by cocaine and caffeine: role of serotonin receptors. <i>Journal of Neurochemistry</i> , 2016, 136, 526-535.	2.1	29
70	Cocaine Acute “Binge” Administration Results in Altered Thalamocortical Interactions in Mice. <i>Biological Psychiatry</i> , 2009, 66, 769-776.	0.7	28
71	XRD and ¹ H MAS NMR spectroscopic study of mixed oxides obtained by calcination of layered-double hydroxides. <i>Materials Letters</i> , 2000, 46, 309-314.	1.3	27
72	Selective photooxidation of alcohols as test reaction for photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2012, 128, 150-158.	10.8	27

#	ARTICLE	IF	CITATIONS
73	Qualitative and Quantitative Analyses of Phenolic Compounds by High-performance Liquid Chromatography and Detection with Atmospheric Pressure Chemical Ionization Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1585-1590.	0.7	25
74	Oxygen-18 measurement of Andalusian olive oils by continuous flow pyrolysis/isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 487-496.	0.7	25
75	Effects of T-type calcium channel blockers on cocaine-induced hyperlocomotion and thalamocortical GABAergic abnormalities in mice. <i>Psychopharmacology</i> , 2010, 212, 205-214.	1.5	25
76	Aldol Condensation of Furfural with Acetone Over Mg/Al Mixed Oxides. Influence of Water and Synthesis Method. <i>Catalysts</i> , 2019, 9, 203.	1.6	25
77	Individual and competitive liquid-phase hydrodechlorination of chlorinated pyridines over alkali-modified Pd/ZrO ₂ . <i>Applied Catalysis B: Environmental</i> , 2007, 76, 34-41.	10.8	24
78	Photocatalytic degradation of chlorinated pyridines in titania aqueous suspensions. <i>Catalysis Today</i> , 2008, 138, 110-116.	2.2	24
79	Synthesis and characterization of MgO-B ₂ O ₃ mixed oxides prepared by coprecipitation; selective dehydrogenation of propan-2-ol. <i>Journal of Materials Chemistry</i> , 1999, 9, 819-825.	6.7	23
80	Contribution of mass spectrometry to the determination of basic sites in solid catalysts. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 193-198.	0.7	22
81	Meerwein-Ponndorf-Verley reduction of cycloalkanones over magnesium-aluminium oxide. <i>Perkin Transactions II RSC</i> , 2002, , 1122-1125.	1.1	22
82	A comparative study of Bi ₂ WO ₆ , CeO ₂ , and TiO ₂ as catalysts for selective photo-oxidation of alcohols to carbonyl compounds. <i>Applied Catalysis A: General</i> , 2015, 505, 375-381.	2.2	22
83	Sepiolites as supports for Pd catalysts used in organic reduction processes. <i>Journal of Molecular Catalysis</i> , 1994, 94, 131-147.	1.2	21
84	Preparation of Pt/MgO catalysts. Influence of the precursor metal salt and solvent used. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 168, 27-33.	2.3	21
85	Catalytic use of zeolites in the Prins reaction of arylalkenes. <i>Catalysis Letters</i> , 2001, 73, 203-206.	1.4	21
86	Intracellular mechanisms modulating gamma band activity in the pedunculopontine nucleus (PPN). <i>Physiological Reports</i> , 2016, 4, e12787.	0.7	21
87	Synthesis and characterization of a novel Mg/In hydrotalcite-like compound. <i>Materials Letters</i> , 2000, 43, 118-121.	1.3	20
88	Hydrodechlorination of 3-chloropyridine and chlorobenzene in methanol solution over alkali-modified zirconia-supported palladium catalysts. <i>Applied Catalysis B: Environmental</i> , 2005, 59, 275-283.	10.8	20
89	XPS evidence for structure-performance relationship in selective hydrogenation of crotonaldehyde to crotyl alcohol on platinum systems supported on natural phosphates. <i>Journal of Colloid and Interface Science</i> , 2012, 382, 67-73.	5.0	20
90	Visualization of fast calcium oscillations in the parafascicular nucleus. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1327-1340.	1.3	20

#	ARTICLE	IF	CITATIONS
91	Altered synaptic synchrony in motor nerve terminals lacking P/Q calcium channels. <i>Synapse</i> , 2008, 62, 466-471.	0.6	19
92	Acid-sensing ion channels 1a (ASIC1a) inhibit neuromuscular transmission in female mice. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 306, C396-C406.	2.1	19
93	Pedunculopontine arousal system physiology – Implications for insomnia. <i>Sleep Science</i> , 2015, 8, 92-99.	0.4	19
94	Screening of different zeolite-based catalysts for gas-phase selective photooxidation of propan-2-ol. <i>Catalysis Today</i> , 2007, 129, 102-109.	2.2	18
95	Effect of pH on the denitrification proteome of the soil bacterium <i>Paracoccus denitrificans</i> PD1222. <i>Scientific Reports</i> , 2021, 11, 17276.	1.6	18
96	Calcium channels, neuromuscular synaptic transmission and neurological diseases. <i>Journal of Neuroimmunology</i> , 2008, 201-202, 136-144.	1.1	17
97	Activity and deactivation of catalysts based on zirconium oxide modified with metal chlorides in the MPV reduction of crotonaldehyde. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 386-395.	10.8	17
98	Chemoselective and regioselective reduction of citral (3,7-dimethyl-2,6-octadienal) by gas-phase hydrogen transfer over acid–basic catalysts. <i>Applied Catalysis A: General</i> , 1998, 172, 31-40.	2.2	16
99	Catalytic Application of Zeolites in the Methanol Conversion to Hydrocarbons. <i>Chemistry Letters</i> , 2002, 31, 672-673.	0.7	16
100	Titania nano-photocatalysts synthesized by ultrasound and microwave methodologies: Application in deperation of water from 3-chloropyridine. <i>Journal of Molecular Catalysis A</i> , 2010, 331, 58-63.	4.8	16
101	Photocatalytic production of hydrogen from binary mixtures of C-3 alcohols on Pt/TiO ₂ : Influence of alcohol structure. <i>Catalysis Today</i> , 2019, 328, 2-7.	2.2	16
102	Determination of acid sites in solid catalysts by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 599-602.	0.7	15
103	Synthesis and characterization of a novel Mg/In layered double hydroxide. <i>Journal of Materials Chemistry</i> , 1999, 9, 2291-2292.	6.7	15
104	Rapid determination of chlorogenic acid and related compounds in sunflower seeds by high-performance liquid chromatography/atmospheric pressure chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1019-1022.	0.7	15
105	Transformation of cyclohexene on palladium catalysts: activity and deactivation. <i>Journal of Molecular Catalysis A</i> , 2000, 151, 261-269.	4.8	15
106	Chemoselective crotonaldehyde hydrogen transfer reduction over pure and supported metal nitrates. <i>Journal of Catalysis</i> , 2012, 295, 242-253.	3.1	15
107	Dehydration-dehydrogenation of 1-phenylethanol over acid-basic catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1998, 65, 25-31.	0.6	14
108	A study on the potential application of natural phosphate in photocatalytic processes. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 475-481.	5.0	14

#	ARTICLE	IF	CITATIONS
109	CaV2.1 voltage activated calcium channels and synaptic transmission in familial hemiplegic migraine pathogenesis. <i>Journal of Physiology (Paris)</i> , 2012, 106, 12-22.	2.1	14
110	MPV Reduction of Furfural to Furfuryl Alcohol on Mg, Zr, Ti, Zrâ€“Ti, and Mgâ€“Ti Solids: Influence of Acidâ€“Base Properties. <i>Catalysts</i> , 2018, 8, 539.	1.6	14
111	Class II histone deacetylases require P/Q-type Ca2+ channels and CaMKII to maintain gamma oscillations in the pedunculopontine nucleus. <i>Scientific Reports</i> , 2018, 8, 13156.	1.6	14
112	EPR and CV studies cast further light on the origin of the enhanced hydrogen production through glycerol photoreforming on CuO:TiO2 physical mixtures. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105336.	3.3	14
113	The Critical Role of Intrinsic Membrane Oscillations. <i>NeuroSignals</i> , 2018, 26, 66-76.	0.5	13
114	Hydrogen Photo-Production from Glycerol Using Nickel-Doped TiO2 Catalysts: Effect of Catalyst Pre-Treatment. <i>Energies</i> , 2019, 12, 3351.	1.6	13
115	Influence of Boron, Tungsten and Molybdenum Modifiers on Zirconia Based Pt Catalyst for Glycerol Valorization. <i>Nanomaterials</i> , 2019, 9, 509.	1.9	13
116	Characterization of the Structure and Catalytic Activity of Pt/Sepiolite Catalysts. <i>Journal of Colloid and Interface Science</i> , 2000, 227, 469-475.	5.0	12
117	An Approach to the Construction of Indexed Libraries for the Combinatorial Selection of Heterogeneous Catalysts. <i>Journal of Catalysis</i> , 2002, 209, 413-416.	3.1	12
118	Water as solvent in the liquid-phase selective hydrogenation of crotonaldehyde to crotyl alcohol over Pt/ZnO: A factorial design approach. <i>Applied Catalysis B: Environmental</i> , 2014, 154-155, 369-378.	10.8	12
119	Differential Effects of Environment-Induced Changes in Body Temperature on Modafinilâ€™s Actions Against Methamphetamine-Induced Striatal Toxicity in Mice. <i>Neurotoxicity Research</i> , 2015, 27, 71-83.	1.3	12
120	Arousal and drug abuse. <i>Behavioural Brain Research</i> , 2017, 333, 276-281.	1.2	12
121	Local and Relayed Effects of Deep Brain Stimulation of the Pedunculopontine Nucleus. <i>Brain Sciences</i> , 2019, 9, 64.	1.1	12
122	Bio-Templating: An Emerging Synthetic Technique for Catalysts. A Review. <i>Catalysts</i> , 2021, 11, 1364.	1.6	12
123	Dehydration-dehydrogenation of 2-propanol as a model reaction for acid-base characterization of catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1994, 53, 397-404.	0.6	11
124	Hydrodehalogenation of aryl halides by hydrogen gas and hydrogen transfer in the presence of palladium catalysts. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 2003-2008.	1.5	11
125	Title is missing!. <i>Catalysis Letters</i> , 1998, 50, 173-177.	1.4	10
126	Influence of the structure and composition of magnesium phosphate catalysts on the transformation of 2-hexanol. <i>Journal of Molecular Catalysis A</i> , 2002, 182-183, 25-34.	4.8	10

#	ARTICLE	IF	CITATIONS
127	Preparation and characterization of Pt-modified Co-based catalysts through the microemulsion technique: Preliminary results on the Fischer-Tropsch synthesis. <i>Catalysis Today</i> , 2014, 223, 66-75.	2.2	10
128	Hydrogen photoproduction on TiO ₂ -CuO artificial olive leaves. <i>Applied Catalysis A: General</i> , 2021, 620, 118178.	2.2	10
129	Fourth generation synthesis of solketal by glycerol acetalization with acetone: A solar-light photocatalytic approach. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 125, 297-303.	2.7	10
130	Isomerization of 3-Phenyl-1-Propene (Allylbenzene) over Base Catalysts. <i>Journal of Catalysis</i> , 2002, 211, 556-559.	3.1	9
131	Selective transformation of glycerol into 1,2-propanediol on several Pt/ZnO solids: Further insight into the role and origin of catalyst acidity. <i>Catalysis Today</i> , 2015, 257, 246-258.	2.2	9
132	Microemulsion and Sol-Gel Synthesized ZrO ₂ -MgO Catalysts for the Liquid-Phase Dehydration of Xylose to Furfural. <i>Molecules</i> , 2017, 22, 2257.	1.7	9
133	A comparative study of the liquid-phase reduction of acrylamide and methacrylamide with cyclohexene and with molecular hydrogen over sepiolite-supported catalysts. <i>Canadian Journal of Chemistry</i> , 1992, 70, 74-80.	0.6	8
134	MAS NMR, DRIFT, and FT-Raman Characterization of SiO ₂ -AlPO ₄ -B ₂ O ₃ Ternary Catalytic Systems. <i>Journal of Colloid and Interface Science</i> , 1999, 217, 186-193.	5.0	8
135	Hydrogen Production through Glycerol Photoreforming on TiO ₂ /Mesoporous Carbon: Influence of the Synthetic Method. <i>Materials</i> , 2020, 13, 3800.	1.3	8
136	Inhibition of the adsorption of cyclohexene by phenylacetylene over a Pd/sepiolite catalyst. <i>Journal of Catalysis</i> , 1990, 124, 286-288.	3.1	7
137	Selective Semi-Hydrogenation of Acetylenic Triple Bonds with a Pd Catalyst Supported on Spanish Sepiolites. <i>Synthetic Communications</i> , 1990, 20, 3519-3528.	1.1	7
138	Synthesis and Characterization of Basic Catalysts Based on Sodium-Magnesium Mixed Phosphates and Their Use in the Conversion of 2-Hexanol. <i>Journal of Colloid and Interface Science</i> , 2001, 240, 237-244.	5.0	7
139	Liquid and gas-phase Meerwein-Ponndorf-Verley reduction of crotonaldehyde on ZrO ₂ catalysts modified with Al ₂ O ₃ , Ga ₂ O ₃ and In ₂ O ₃ . <i>Journal of Molecular Catalysis A</i> , 2011, 338, 121-121.	4.8	7
140	Pedunculopontine arousal system physiology—Effects of psychostimulant abuse. <i>Sleep Science</i> , 2015, 8, 162-168.	0.4	7
141	Pedunculopontine arousal system physiology—Implications for schizophrenia. <i>Sleep Science</i> , 2015, 8, 82-91.	0.4	7
142	Bottom-up gamma and bipolar disorder, clinical and neuroepigenetic implications. <i>Bipolar Disorders</i> , 2019, 21, 108-116.	1.1	7
143	Olive Leaves as Biotemplates for Enhanced Solar-Light Harvesting by a Titania-Based Solid. <i>Nanomaterials</i> , 2020, 10, 1057.	1.9	7
144	Hydrogenolysis of aryl halides by hydrogen gas and hydrogen transfer over palladium-supported catalysts. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 2000, 3, 465-470.	0.1	6

#	ARTICLE	IF	CITATIONS
145	Microemulsion-assisted synthesis of catalysts based on aluminium and magnesium phosphates. <i>Journal of Molecular Catalysis A</i> , 2002, 182-183, 35-46.	4.8	6
146	Isomerization of 3-Phenyl-1-Propene (Allylbenzene) over Base Catalysts. <i>Journal of Catalysis</i> , 2002, 211, 556-559.	3.1	6
147	Synthesis of (E)-nitroalkenes Catalysed by Ethanolamine Supported on Silica. <i>Catalysis Letters</i> , 2010, 134, 131-137.	1.4	6
148	Familial hemiplegic migraine type-1 mutated cav2.1 calcium channels alter inhibitory and excitatory synaptic transmission in the lateral superior olive of mice. <i>Hearing Research</i> , 2015, 319, 56-68.	0.9	6
149	Reduction of alkenes by hydrogen transfer over a Pd/sepiolite catalyst. Compensation effect. <i>Reaction Kinetics and Catalysis Letters</i> , 1992, 46, 325-330.	0.6	5
150	Effect of platinum salts on mesoporous silica materials synthesized via a non-ionic surfactant templating route. <i>Acta Materialia</i> , 2001, 49, 1957-1962.	3.8	5
151	Synthesis and characterization of Pt/MgO catalysts and their use in n-hexane conversion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 225, 137-143.	2.3	5
152	Functional approach and agro-climatic information to improve the estimation of olive oil fatty acid content from near-infrared data. <i>Food Science and Nutrition</i> , 2020, 8, 351-360.	1.5	5
153	Simultaneous administration of cocaine and caffeine dysregulates HCN and T-type channels. <i>Psychopharmacology</i> , 2021, 238, 787-810.	1.5	5
154	Dehydrogenation of cyclohexane over supported Pd catalysts, II. Influence of the support and reduction temperature. <i>Reaction Kinetics and Catalysis Letters</i> , 1995, 56, 87-96.	0.6	4
155	Sustainable C-C bond formation through Knoevenagel reaction catalyzed by MgO-based catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 118, 247-265.	0.8	4
156	Chemistry of Furfural and Furanic Derivatives. <i>Sustainable Chemistry Series</i> , 2018, , 1-30.	0.1	4
157	Linear free-energy relationships in the reduction of alkenes by hydrogen transfer. <i>Reaction Kinetics and Catalysis Letters</i> , 1992, 46, 279-284.	0.6	3
158	Recording Gamma Band Oscillations in PedunculoPontine Nucleus Neurons. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	3
159	Improving the prediction of the fatty acid profile of olive oils by considering statistically relevant harvests and agro-climatic variables. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3417-3425.	1.7	3
160	Inhibition of the adsorption of cyclohexene over a Pd/sepiolite catalyst by acrylamide. <i>Reaction Kinetics and Catalysis Letters</i> , 1990, 41, 141-146.	0.6	2
161	Selective gas-phase dehydrogenation of cyclohexanol with magnesium orthophosphates. <i>Studies in Surface Science and Catalysis</i> , 1994, 82, 769-776.	1.5	2
162	The surface structure of catalysts activated with hydrogen donors as elucidated by multinuclear solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2000, 16, 217-224.	1.5	2

#	ARTICLE	IF	CITATIONS
163	Improving the estimations of fatty acids in several Andalusian PDO olive oils from NMR spectral data. Journal of Applied Statistics, 2016, 43, 1765-1793.	0.6	2
164	Correlation structure between agroclimatic big data and EVOO fatty acid profile determined by GC and NMR spectra. Journal of Chemometrics, 2020, 34, e3273.	0.7	2
165	Differential alterations of intracellular [Ca ²⁺] dynamics induced by cocaine and methylphenidate in thalamocortical ventrobasal neurons. Translational Brain Rhythmicity, 2017, 2, .	0.3	2
166	Synthesis and acid-base properties of catalysts based on magnesium and sodium-magnesium mixed phosphates. Studies in Surface Science and Catalysis, 2000, , 899-906.	1.5	1
167	Multiresidue Analysis of Low- and Medium-polarity Pesticides in Olive Oil by GC-MS/MS. , 2010, , 667-683.		1
168	Gamma Band Activity. , 2015, , 171-207.		1
169	Effects of methamphetamine on locomotor activity and thalamic gene expression in leptin-deficient obese mice. Translational Brain Rhythmicity, 2017, 2, .	0.3	1
170	Non-ionic surfactant templated synthesis of mesoporous silica in the presence of platinum salts. Studies in Surface Science and Catalysis, 2000, , 891-898.	1.5	0
171	Use of new tin orthophosphates as catalysts for the gas-phase dehydrogenation-dehydration of alcohols. Studies in Surface Science and Catalysis, 2000, , 2141-2146.	1.5	0
172	Drug Abuse and the RAS. , 2015, , 277-289.		0
173	Arousal and drug abuse. , 2019, , 115-129.		0