JosÃ© Jobanny MartÃ-nez Zambrano

List of Publications by Year
in descending order

68 papers	808 citations	471509 17 h-index	610901 24 g-index
68 all docs	68 docs citations	68 times ranked	1192 citing authors

#	Article	IF	Citations
1	Caffeine photocatalytic degradation using composites of NiO/TiO2â€“F and CuO/TiO2â€“F under UV irradiation. Chemosphere, 2022, 288, 132506.	8.2	22
2	Biotransformation of 5-hydroxymethylfurfural and furfural with bacteria of bacillus genus. Biocatalysis and Agricultural Biotechnology, 2022, 39, 102281.	3.1	11
3	Solventâ€Free Microwaveâ€Assisted Multicomponent Synthesis of 4 H â€Chromenes Using Fe ₃ O ₄ â€Based Hydrotalcites as Bifunctional Catalysts. ChemistrySelect, 2022, 7, .	1.5	6
4	Obtaining (5-formylfuran-2-yl)methyl 4-chlorobenzoate through an esterification of 5-hydroxymethylfurfural: Interesting achiral molecule crystallizing in a Sohncke P212121 space group. Journal of Molecular Structure, 2022, 1268, 133713.	3.6	4
5	Selective continuous flow phenylacetylene hydrogenation over Pd-biogenic calcium carbonate. Catalysis Today, 2021, 368, 181-186.	4.4	6
6	NanopartÃculas magnÃ©ticas funcionalizadas y modificadas con entrecruzamiento para mejorar la inmovilizaciÃ³n de la invertasa. Ciencia En Desarrollo, 2021, 12, 69-77.	0.1	0
7	Biocatalytic transformation of furfural into furfuryl alcohol using resting cells of Bacillus cereus. Catalysis Today, 2021, 372, 220-225.	4.4	14
8	Synthesis, Characterization, and DFT Studies of N-(3,5-Bis(trifluoromethyl)benzyl)stearamide. MolBank, 2021, 2021, M1215.	0.5	2
9	Whey as an Alternative Nutrient Medium for Growth of Sporosarcina pasteurii and Its Effect on CaCO3 Polymorphism and Fly Ash Bioconsolidation. Materials, 2021, 14, 2470.	2.9	9
10	Hydrotalcites as catalyst in suitable multicomponent synthesis of uracil derivatives. Catalysis Today, 2021, 372, 126-135.	4.4	5
11	Effective photocatalytic degradation of Rhodamine B using tin semiconductors over hydrotalcite-type materials under sunlight driven. Catalysis Today, 2021, 372, 191-197.	4.4	13
12	Production of 5-hydroxymethyl-2-furan carboxylic acid by Serratia marcescens from crude 5-hydroxymethylfurfural. Biochemical Engineering Journal, 2020, 154, 107421.	3.6	19
13	Ternary Hydrotalcites in the Multicomponent Synthesis of 4H-Pyrans. Catalysts, 2020, 10, 70.	3.5	8
14	Hydrogen production from acetic acid decomposition as bio-oil model molecule over supported metal catalysts. International Journal of Hydrogen Energy, 2020, 45, 28732-28751.	7.1	9
15	Etherification of 5-hydroxymethylfurfural using a heteropolyacid supported on a silica matrix. Molecular Catalysis, 2020, 494, 111125.	2.0	10
16	Obtaining Protoanemonin through Selective Oxidation of Dâ€Fructose and 5â€(Hydroxymethyl)furfural in a Selfâ€catalysed Reaction. Asian Journal of Organic Chemistry, 2020, 9, 2184-2190.	2.7	4
17	Solventless Amide Synthesis Catalyzed by Biogenic CaCO₃ Materials. ACS Sustainable Chemistry and Engineering, 2020, 8, 13139-13146.	6.7	6
18	Effect of boron on the surface properties of nickel supported on hydrotalcite-type mixed oxides in methanol decomposition. Molecular Catalysis, 2020, 498, 111262.	2.0	5

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19	Effective phosphated CeO 2 materials in the photocatalytic degradation of phenol under UV irradiation. Journal of Chemical Technology and Biotechnology, 2020, 95, 3213-3220.	3.2	7
20	Effect of support on selective 5-hydroxymethylfurfural hydrogenation towards 2,5-dimethylfuran over copper catalysts. Fuel, 2020, 270, 117524.	6.4	61
21	Effect of Metal Content on Ethanol Decomposition over Ni-Co Catalysts Supported on La-Ce Oxides. Materials, 2020, 13, 759.	2.9	2
22	Selective Catalytic Dehydration of Xylose to Furfural and Fructose and Glucose to 5â€Hydroximethylfurfural (HMF) Using Preyssler Heteropolyacid. ChemistrySelect, 2020, 5, 4186-4193.	1.5	18
23	Efficient Continuous Production of the Biofuel Additive 5â€(tâ€Butoxymethyl) Furfural from 5â€Hydroxymethylfurfural. Energy Technology, 2019, 7, 1900780.	3.8	11
24	Oxidation of geraniol using niobia modified with hydrogen peroxide. Revista Facultad De IngenierÃa, 2019, , .	0.5	1
25	Biomass Derivative Valorization Using Nano Core-Shell Magnetic Materials Based on Keggin-Heteropolyacids: Levulinic Acid Esterification Kinetic Study with N-Butanol. Journal of Nanomaterials, 2019, 2019, 1-14.	2.7	12
26	Enhanced photocatalytic reduction of 4â€nitrophenol over Ir/CeO₂ photocatalysts under UV irradiation. Journal of Chemical Technology and Biotechnology, 2019, 94, 2630-2639.	3.2	22
27	Coating of Polyetheretherketone Films with Silver Nanoparticles by a Simple Chemical Reduction Method and Their Antibacterial Activity. Coatings, 2019, 9, 91.	2.6	18
28	Support effect of Rh catalysts on the hydrogenation of m-dinitrobenzene. Molecular Catalysis, 2019, 465, 54-60.	2.0	14
29	Estudio del pretratamiento hidrotermico para favorecer la actividad de las celulasas libres e inmovilizadas. Bistua Revista De La Facultad De Ciencias Basicas, 2019, 16, 42.	0.0	0
30	ProducciÃ³n de alcohol cinamÃ¡lico a partir de la hidrogenaciÃ³n selectiva de cinamaldehÃdo usando catalizadores de oro soportados en Ã³xidos metÃ¡licos. Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales, 2019, 43, 539-549.	0.2	0
31	New application of decaniobate salt as basic solid in the synthesis of 4H-pyrans by microwave assisted multicomponent reactions. Research on Chemical Intermediates, 2018, 44, 5559-5568.	2.7	19
32	Thermodynamic and kinetic study of the recovery of tungsten and cobalt from tool waste. Revista Facultad De IngenierÃa, 2018, , 44-51.	0.5	1
33	Novel Bifunctional Mesoporous Catalysts Based on Preyssler Heteropolyacids for Green Pyrrole Derivative Synthesis. Catalysts, 2018, 8, 419.	3.5	11
34	Synthesis of Biginelli adducts using a Preyssler heteropolyacid in silica matrix from biomass building block. Sustainable Chemistry and Pharmacy, 2018, 10, 50-55.	3.3	20
35	Valorization of Oleuropein via Tunable Acidâ€Promoted Methanolysis. ChemSusChem, 2018, 11, 2300-2305.	6.8	9
36	Etherification of Hydroxymethylfurfural with Preyssler Heteropolyacids Immobilized on Magnetic Composites. ChemistrySelect, 2018, 3, 5526-5533.	1.5	5

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37	Soil bacteria that precipitate calcium carbonate: mechanism and applications of the process. Acta Agronomica, 2018, 67, .	0.1	30
38	Hydrotalcites in Organic Synthesis: Multicomponent Reactions. Current Organic Synthesis, 2018, 15, 1073-1090.	1.3	3
39	Synthesis of 1,4-dihydropyrimidines with immobilized urease: effect of method immobilization on magnetic supports. Green Processing and Synthesis, 2017, 6, .	3.4	3
40	Preyssler Heteropolyacids in the Selfâ€Etherification of 5â€Hydroxymethylfurfural to 5,5â€²â€[Oxybis(methylene)]bisâ€2â€furfural Under Mild Reaction Conditions. ChemCatChem, 2017, 9, 3322-3329.	3.7	20
41	Dehydration of Glucose to 5-Hydroxymethylfurfural Using LaOCl/Nb2O5 Catalysts in Hot Compressed Water Conditions. Catalysis Letters, 2017, 147, 1765-1774.	2.6	16
42	Reductive amination of levulinic acid to different pyrrolidones on Ir/SiO 2 -SO 3 H: Elucidation of reaction mechanism. Catalysis Today, 2017, 296, 118-126.	4.4	40
43	Synthesis of mesoporous Ca-MCM catalysts and their use in suitable multicomponent synthesis of polyfunctionalized pyrans. Research on Chemical Intermediates, 2017, 43, 2103-2118.	2.7	6
44	Pt y Pd soportado en carbÃ³n activado para la oxidaciÃ³n de 5-hidroximetilfurfural a Ã¡cido 2,5-furanodicarboxÃlico. Ingenieria Y Competitividad, 2017, 19, .	0.1	0
45	Green Synthesis of Pyrrole Derivatives. Current Organic Synthesis, 2017, 14, 865-882.	1.3	14
46	ESTUDIO DE UN CATALIZADOR Ã€CIDO MAGNÃ‰TICO EN LA OBTENCIÃ“N DE FURFURAL A PARTIR DE LA DESHIDRATACIÃ“N DE XILOSA. Bistua Revista De La Facultad De Ciencias Basicas, 2016, 14, 104.	0.0	0
47	Pechini method used in the obtention of semiconductor nanoparticles based niobium. DYNA (Colombia), 2015, 82, 52-58.	0.4	5
48	The effect of metal composition on the performance of Irâ€“Au/TiO2 catalysts for citral hydrogenation.. Applied Catalysis A: General, 2015, 503, 196-202.	4.3	21
49	Effect of support on acetic acid decomposition over palladium catalysts. Journal of Catalysis, 2015, 331, 63-75.	6.2	22
50	Compuestos VolÃ¡tiles Producidos in Vitro por Callos de Solanum quitoense Lam. (Solanaceae). Ciencia En Desarrollo, 2015, 5, .	0.1	1
51	Dehydration of Xylose to Furfural and Its Valorization via Different Multicomponent Reactions Using Sulfonated Silica with Magnetic Properties as Recyclable Catalyst. Catalysis Letters, 2014, 144, 1322-1331.	2.6	13
52	Hydrogenation of m-dinitrobenzene over Au catalysts on magnetic supports. Journal of Molecular Catalysis A, 2014, 383-384, 31-37.	4.8	27
53	Reductive amination of furfural over Me/SiO2â€“SO3H (Me: Pt, Ir, Au) catalysts. Journal of Molecular Catalysis A, 2014, 392, 235-240.	4.8	38
54	SelecciÃ³n de soportes magnÃ©ticos para la inmovilizaciÃ³n de Ureasa. Ingenieria Y Competitividad, 2014, 16, 289-296.	0.1	2

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55	Propiedades funcionales de la harina y de los aislados proteicos de la semilla de guanÃ¡bana (Annona) Tj ETQq1 1 0.784314 rgBT /Overlo	0.2	7
56	KINETIC STUDY OF THE HYDROGENATION OF CITRAL ON Ir PROMOTED Au/TiO2 CATALYST. Journal of the Chilean Chemical Society, 2013, 58, 1799-1804.	1.2	2
57	SÃNTESIS DE COLOIDES DE Au, Ir E Ir-Au Y SU ESTUDIO EN LA HIDROGENACIÃ“N DE ACROLEÃNA EN FASE GAS. Ciencia En Desarrollo, 2013, 4, .	0.1	0
58	Nb2O5 as Heterogeneous Catalysts for the Selective Oxidation of Geraniol. Current Organic Chemistry, 2012, 16, 2797-2801.	1.6	9
59	Effect of the Activation Method on Activity of Supported Platinum Catalysts for Hydrogenation of m-Dinitrobenzene to m-Phenylenediamine. Current Organic Chemistry, 2012, 16, 2770-2773.	1.6	4
60	Cinnamaldehyde Hydrogenation Over Ir/SiO2 and Ir/FeOx/SiO2 Catalysts Effect of FeOx on the Activity and Selectivity. Current Organic Chemistry, 2012, 16, 2791-2796.	1.6	8
61	Supported Metal Nanoparticles on Activated Carbon for α,β-unsaturated Aldehyde Hydrogenation. Current Organic Chemistry, 2012, 16, 2782-2790.	1.6	3
62	Hydrogenation of Î±,Î²-unsaturated carbonyl compounds over Au and Ir supported on SiO2. Journal of Molecular Catalysis A, 2012, 363-364, 122-128.	4.8	49
63	Citral hydrogenation over novel niobia and titania supported Au, Irâ€“Au and Ir catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2012, 106, 445-455.	1.7	12
64	Control of the Chemoselectivity in the Oxidation of Geraniol Over Lanthanum, Titanium and Niobium Catalysts Supported on Mesoporous Silica MCM-41. Topics in Catalysis, 2012, 55, 620-624.	2.8	20
65	Citral hydrogenation over Ir/TiO2 and Ir/TiO2/SiO2 catalysts. Catalysis Today, 2008, 133-135, 699-705.	4.4	33
66	Liquid phase hydrogenation of citral and intermediaries over Ir/TiO2/SiO2 catalysts: Kinetic study. Journal of Molecular Catalysis A, 2008, 286, 70-78.	4.8	15
67	Esterification of levulinic acid via catalytic and photocatalytic processes using fluorinated titanium dioxide materials. Revista Facultad De IngenierÃa, 0, , .	0.5	1
68	HidrogenaciÃ³n de cinamaldehÃdo sobre catalizadores Au/ZrO2 y Au/ZrO2-SiO2. Efecto del soporte y mÃ©todo de preparaciÃ³n. Ingenieria Y Competitividad, 0, 14, 119-124.	0.1	0