

JosÃ© Jobanny MartÃ­nez Zambrano

List of Publications by Year in descending order

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1192
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#	ARTICLE	IF	CITATIONS
1	Effect of support on selective 5-hydroxymethylfurfural hydrogenation towards 2,5-dimethylfuran over copper catalysts. <i>Fuel</i> , 2020, 270, 117524.	6.4	61
2	Hydrogenation of α,β -unsaturated carbonyl compounds over Au and Ir supported on SiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2012, 363-364, 122-128.	4.8	49
3	Reductive amination of levulinic acid to different pyrrolidones on Ir/SiO ₂ -SO ₃ H: Elucidation of reaction mechanism. <i>Catalysis Today</i> , 2017, 296, 118-126.	4.4	40
4	Reductive amination of furfural over Me/SiO ₂ -SO ₃ H (Me: Pt, Ir, Au) catalysts. <i>Journal of Molecular Catalysis A</i> , 2014, 392, 235-240.	4.8	38
5	Citral hydrogenation over Ir/TiO ₂ and Ir/TiO ₂ /SiO ₂ catalysts. <i>Catalysis Today</i> , 2008, 133-135, 699-705.	4.4	33
6	Soil bacteria that precipitate calcium carbonate: mechanism and applications of the process. <i>Acta Agronomica</i> , 2018, 67, .	0.1	30
7	Hydrogenation of m-dinitrobenzene over Au catalysts on magnetic supports. <i>Journal of Molecular Catalysis A</i> , 2014, 383-384, 31-37.	4.8	27
8	Effect of support on acetic acid decomposition over palladium catalysts. <i>Journal of Catalysis</i> , 2015, 331, 63-75.	6.2	22
9	Enhanced photocatalytic reduction of 4-nitrophenol over Ir/CeO ₂ photocatalysts under UV irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2630-2639.	3.2	22
10	Caffeine photocatalytic degradation using composites of NiO/TiO ₂ -F and CuO/TiO ₂ -F under UV irradiation. <i>Chemosphere</i> , 2022, 288, 132506.	8.2	22
11	The effect of metal composition on the performance of Ir-Au/TiO ₂ catalysts for citral hydrogenation.. <i>Applied Catalysis A: General</i> , 2015, 503, 196-202.	4.3	21
12	Control of the Chemoselectivity in the Oxidation of Geraniol Over Lanthanum, Titanium and Niobium Catalysts Supported on Mesoporous Silica MCM-41. <i>Topics in Catalysis</i> , 2012, 55, 620-624.	2.8	20
13	Preyssler Heteropolyacids in the Self-Etherification of 5-Hydroxymethylfurfural to 5,5-bis(Oxybis(methylene))bisfurfural Under Mild Reaction Conditions. <i>ChemCatChem</i> , 2017, 9, 3322-3329.	3.7	20
14	Synthesis of Biginelli adducts using a Preyssler heteropolyacid in silica matrix from biomass building block. <i>Sustainable Chemistry and Pharmacy</i> , 2018, 10, 50-55.	3.3	20
15	New application of decaniobate salt as basic solid in the synthesis of 4H-pyrans by microwave assisted multicomponent reactions. <i>Research on Chemical Intermediates</i> , 2018, 44, 5559-5568.	2.7	19
16	Production of 5-hydroxymethyl-2-furan carboxylic acid by <i>Serratia marcescens</i> from crude 5-hydroxymethylfurfural. <i>Biochemical Engineering Journal</i> , 2020, 154, 107421.	3.6	19
17	Coating of Polyetheretherketone Films with Silver Nanoparticles by a Simple Chemical Reduction Method and Their Antibacterial Activity. <i>Coatings</i> , 2019, 9, 91.	2.6	18
18	Selective Catalytic Dehydration of Xylose to Furfural and Fructose and Glucose to 5-Hydroxymethylfurfural (HMF) Using Preyssler Heteropolyacid. <i>ChemistrySelect</i> , 2020, 5, 4186-4193.	1.5	18

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19	Dehydration of Glucose to 5-Hydroxymethylfurfural Using LaOCl/Nb ₂ O ₅ Catalysts in Hot Compressed Water Conditions. <i>Catalysis Letters</i> , 2017, 147, 1765-1774.	2.6	16
20	Liquid phase hydrogenation of citral and intermediaries over Ir/TiO ₂ /SiO ₂ catalysts: Kinetic study. <i>Journal of Molecular Catalysis A</i> , 2008, 286, 70-78.	4.8	15
21	Support effect of Rh catalysts on the hydrogenation of m-dinitrobenzene. <i>Molecular Catalysis</i> , 2019, 465, 54-60.	2.0	14
22	Biocatalytic transformation of furfural into furfuryl alcohol using resting cells of <i>Bacillus cereus</i> . <i>Catalysis Today</i> , 2021, 372, 220-225.	4.4	14
23	Green Synthesis of Pyrrole Derivatives. <i>Current Organic Synthesis</i> , 2017, 14, 865-882.	1.3	14
24	Dehydration of Xylose to Furfural and Its Valorization via Different Multicomponent Reactions Using Sulfonated Silica with Magnetic Properties as Recyclable Catalyst. <i>Catalysis Letters</i> , 2014, 144, 1322-1331.	2.6	13
25	Effective photocatalytic degradation of Rhodamine B using tin semiconductors over hydrocalcite-type materials under sunlight driven. <i>Catalysis Today</i> , 2021, 372, 191-197.	4.4	13
26	Citral hydrogenation over novel niobia and titania supported Au, Ir ^{III} -Au and Ir catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012, 106, 445-455.	1.7	12
27	Biomass Derivative Valorization Using Nano Core-Shell Magnetic Materials Based on Keggin-Heteropolyacids: Levulinic Acid Esterification Kinetic Study with N-Butanol. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-14.	2.7	12
28	Novel Bifunctional Mesoporous Catalysts Based on Preyssler Heteropolyacids for Green Pyrrole Derivative Synthesis. <i>Catalysts</i> , 2018, 8, 419.	3.5	11
29	Efficient Continuous Production of the Biofuel Additive 5-(5-Butoxymethyl) Furfural from 5-Hydroxymethylfurfural. <i>Energy Technology</i> , 2019, 7, 1900780.	3.8	11
30	Biotransformation of 5-hydroxymethylfurfural and furfural with bacteria of bacillus genus. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 39, 102281.	3.1	11
31	Etherification of 5-hydroxymethylfurfural using a heteropolyacid supported on a silica matrix. <i>Molecular Catalysis</i> , 2020, 494, 111125.	2.0	10
32	Nb ₂ O ₅ as Heterogeneous Catalysts for the Selective Oxidation of Geraniol. <i>Current Organic Chemistry</i> , 2012, 16, 2797-2801.	1.6	9
33	Valorization of Oleuropein via Tunable Acid-Promoted Methanolysis. <i>ChemSusChem</i> , 2018, 11, 2300-2305.	6.8	9
34	Hydrogen production from acetic acid decomposition as bio-oil model molecule over supported metal catalysts. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28732-28751.	7.1	9
35	Whey as an Alternative Nutrient Medium for Growth of <i>Sporosarcina pasteurii</i> and Its Effect on CaCO ₃ Polymorphism and Fly Ash Bioconsolidation. <i>Materials</i> , 2021, 14, 2470.	2.9	9
36	Cinnamaldehyde Hydrogenation Over Ir/SiO ₂ and Ir/FeOx/SiO ₂ Catalysts Effect of FeOx on the Activity and Selectivity. <i>Current Organic Chemistry</i> , 2012, 16, 2791-2796.	1.6	8

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37	Ternary Hydrotalcites in the Multicomponent Synthesis of 4H-Pyrans. <i>Catalysts</i> , 2020, 10, 70.	3.5	8
38	Effective phosphated CeO ₂ materials in the photocatalytic degradation of phenol under UV irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 3213-3220.	3.2	7
39	Propiedades funcionales de la harina y de los aislados proteicos de la semilla de guanábana (<i>Annona</i>) Tj ETQq1 1 0,784314 rgBT /Ove	0.2	7
40	Synthesis of mesoporous Ca-MCM catalysts and their use in suitable multicomponent synthesis of polyfunctionalized pyrans. <i>Research on Chemical Intermediates</i> , 2017, 43, 2103-2118.	2.7	6
41	Solventless Amide Synthesis Catalyzed by Biogenic CaCO ₃ Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13139-13146.	6.7	6
42	Selective continuous flow phenylacetylene hydrogenation over Pd-biogenic calcium carbonate. <i>Catalysis Today</i> , 2021, 368, 181-186.	4.4	6
43	Solvent-free Microwave-Assisted Multicomponent Synthesis of 4-Hydroxychromenes Using Fe ₃ O ₄ -Based Hydrotalcites as Bifunctional Catalysts. <i>ChemistrySelect</i> , 2022, 7, .	1.5	6
44	Pechini method used in the obtention of semiconductor nanoparticles based niobium. <i>DYNA (Colombia)</i> , 2015, 82, 52-58.	0.4	5
45	Etherification of Hydroxymethylfurfural with Preyssler Heteropolyacids Immobilized on Magnetic Composites. <i>ChemistrySelect</i> , 2018, 3, 5526-5533.	1.5	5
46	Effect of boron on the surface properties of nickel supported on hydrotalcite-type mixed oxides in methanol decomposition. <i>Molecular Catalysis</i> , 2020, 498, 111262.	2.0	5
47	Hydrotalcites as catalyst in suitable multicomponent synthesis of uracil derivatives. <i>Catalysis Today</i> , 2021, 372, 126-135.	4.4	5
48	Effect of the Activation Method on Activity of Supported Platinum Catalysts for Hydrogenation of m-Dinitrobenzene to m-Phenylenediamine. <i>Current Organic Chemistry</i> , 2012, 16, 2770-2773.	1.6	4
49	Obtaining Protoanemonin through Selective Oxidation of D-Fructose and 5-(Hydroxymethyl)furfural in a Self-catalysed Reaction. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 2184-2190.	2.7	4
50	Obtaining (5-formylfuran-2-yl)methyl 4-chlorobenzoate through an esterification of 5-hydroxymethylfurfural: Interesting achiral molecule crystallizing in a Sohncke P212121 space group. <i>Journal of Molecular Structure</i> , 2022, 1268, 133713.	3.6	4
51	Supported Metal Nanoparticles on Activated Carbon for α,β -unsaturated Aldehyde Hydrogenation. <i>Current Organic Chemistry</i> , 2012, 16, 2782-2790.	1.6	3
52	Synthesis of 1,4-dihydropyrimidines with immobilized urease: effect of method immobilization on magnetic supports. <i>Green Processing and Synthesis</i> , 2017, 6, .	3.4	3
53	Hydrotalcites in Organic Synthesis: Multicomponent Reactions. <i>Current Organic Synthesis</i> , 2018, 15, 1073-1090.	1.3	3
54	KINETIC STUDY OF THE HYDROGENATION OF CITRAL ON Ir PROMOTED Au/TiO ₂ CATALYST. <i>Journal of the Chilean Chemical Society</i> , 2013, 58, 1799-1804.	1.2	2

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55	Effect of Metal Content on Ethanol Decomposition over Ni-Co Catalysts Supported on La-Ce Oxides. <i>Materials</i> , 2020, 13, 759.	2.9	2
56	Synthesis, Characterization, and DFT Studies of N-(3,5-Bis(trifluoromethyl)benzyl)stearamide. <i>MolBank</i> , 2021, 2021, M1215.	0.5	2
57	Selección de soportes magnéticos para la inmovilización de Ureasa. <i>Ingeniería Y Competitividad</i> , 2014, 16, 289-296.	0.1	2
58	Thermodynamic and kinetic study of the recovery of tungsten and cobalt from tool waste. <i>Revista Facultad De Ingeniería</i> , 2018, , 44-51.	0.5	1
59	Oxidation of geraniol using niobia modified with hydrogen peroxide. <i>Revista Facultad De Ingeniería</i> , 2019, , .	0.5	1
60	Esterification of levulinic acid via catalytic and photocatalytic processes using fluorinated titanium dioxide materials. <i>Revista Facultad De Ingeniería</i> , 0, , .	0.5	1
61	Compuestos Volátiles Producidos in Vitro por Callos de <i>Solanum quitoense</i> Lam. (Solanaceae). <i>Ciencia En Desarrollo</i> , 2015, 5, .	0.1	1
62	Pt y Pd soportado en carbón activado para la oxidación de 5-hidroximetilfurfural a ácido 2,5-furanodicarboxílico. <i>Ingeniería Y Competitividad</i> , 2017, 19, .	0.1	0
63	Nanopartículas magnéticas funcionalizadas y modificadas con entrecruzamiento para mejorar la inmovilización de la invertasa. <i>Ciencia En Desarrollo</i> , 2021, 12, 69-77.	0.1	0
64	SÍNTESIS DE COLOIDES DE Au, Ir E Ir-Au Y SU ESTUDIO EN LA HIDROGENACIÓN DE ACROLEÍNA EN FASE GAS. <i>Ciencia En Desarrollo</i> , 2013, 4, .	0.1	0
65	ESTUDIO DE UN CATALIZADOR ÁCIDO MAGNÉTICO EN LA OBTENCIÓN DE FURFURAL A PARTIR DE LA DESHIDRATACIÓN DE XILOSA. <i>Bistua Revista De La Facultad De Ciencias Basicas</i> , 2016, 14, 104.	0.0	0
66	Estudio del pretratamiento hidrotérmico para favorecer la actividad de las celulasas libres e inmovilizadas. <i>Bistua Revista De La Facultad De Ciencias Basicas</i> , 2019, 16, 42.	0.0	0
67	Producción de alcohol cinámico a partir de la hidrogenación selectiva de cinamaldehído usando catalizadores de oro soportados en óxidos metálicos. <i>Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales</i> , 2019, 43, 539-549.	0.2	0
68	Hidrogenación de cinamaldehído sobre catalizadores Au/ZrO ₂ y Au/ZrO ₂ -SiO ₂ . Efecto del soporte y método de preparación. <i>Ingeniería Y Competitividad</i> , 0, 14, 119-124.	0.1	0