

# Jose M Hidalgo

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,126  
citations

623188

14  
h-index

395343

33  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polypropylene and rendering fat degrading to value-added chemicals by direct liquefaction and fast-pyrolysis. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 1027-1036.	2.9	0
2	Phonolite Material as Catalyst Support for the Hydrotreatment of Gas Oil and Vegetable Oil Type Feedstocks. <i>Materials</i> , 2022, 15, 386.	1.3	1
3	Direct Polypropylene and Polyethylene Liquefaction in CO <sub>2</sub> and N <sub>2</sub> Atmospheres Using MgO Light and CaO as Catalysts. <i>Materials</i> , 2022, 15, 844.	1.3	1
4	Comparative Study of Light Cycle Oil and Naphthalene as an Adequate Additive to Improve the Stability of Marine Fuels. <i>ACS Omega</i> , 2022, 7, 2127-2136.	1.6	10
5	Animal fats as a suitable feedstock for co-processing with atmospheric gas oil. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4955-4964.	2.5	7
6	Rendering Fat and Heavy Fischer-Tropsch Waxes Mixtures (0-100%) Fast Pyrolysis Tests for the Production of Ethylene and Propylene. <i>Processes</i> , 2021, 9, 367.	1.3	1
7	Mechanochemical Synthesis of Nickel-Modified Metal-Organic Frameworks for Reduction Reactions. <i>Catalysts</i> , 2021, 11, 526.	1.6	7
8	Mesityl Oxide Reduction by Using Acid-Modified Phonolite Supported NiW, NiMo, and CoMo Catalysts. <i>Catalysts</i> , 2021, 11, 1101.	1.6	4
9	Hydrocracking of Heavy Fischer-Tropsch Wax Distillation Residues and Its Blends with Vacuum Gas Oil Using Phonolite-Based Catalysts. <i>Molecules</i> , 2021, 26, 7172.	1.7	6
10	Cleaner Fuel Production via Co-Processing of Vacuum Gas Oil with Rapeseed Oil Using a Novel NiW/Acid-Modified Phonolite Catalyst. <i>Energies</i> , 2021, 14, 8497.	1.6	3
11	Near-infrared spectroscopy to determine cold-flow improver concentrations in diesel fuel. <i>Infrared Physics and Technology</i> , 2020, 110, 103445.	1.3	6
12	Raman Spectroscopy as Molybdenum and Tungsten Content Analysis Tool for Mesoporous Silica and Beta Zeolite Catalysts. <i>Molecules</i> , 2020, 25, 4918.	1.7	5
13	Converting brown coal to synthetic liquid fuels through direct coal liquefaction technology: economic evaluation. <i>International Journal of Energy Research</i> , 2020, 44, 11827-11839.	2.2	8
14	Oxalic Acid as a Hydrogen Donor for the Hydrodesulfurization of Gas Oil and Deoxygenation of Rapeseed Oil Using Phonolite-Based Catalysts. <i>Molecules</i> , 2020, 25, 3732.	1.7	6
15	Highly Active Catalysts for the Dehydration of Isopropanol. <i>Catalysts</i> , 2020, 10, 719.	1.6	6
16	Coal and waste direct liquefaction, using glycerol, polyethylene waste and waste tyres pyrolysis oil. Optimisation of liquids yield by response surface methodology. <i>Journal of Cleaner Production</i> , 2020, 255, 120192.	4.6	15
17	Oxalic acid-mediated catalytic transfer hydrodeoxygenation of waste cooking oil. <i>Molecular Catalysis</i> , 2020, 491, 110973.	1.0	5
18	Hydrodeoxygenation and pyrolysis of free fatty acids obtained from waste rendering fat. <i>Ecletica Quimica</i> , 2020, 45, 28-36.	0.2	2

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19	Near-infrared spectroscopy as a rapid tool for water content analysis in the partial oxidation of ethanol. <i>Spectroscopy Letters</i> , 2019, 52, 533-540.	0.5	2
20	Co-processing of Waste Cooking Oil and Light Cycle Oil with NiW/(Pseudoboehmite + SBA-15) Catalyst. <i>Chemical Engineering and Technology</i> , 2019, 42, 512-517.	0.9	9
21	Performance and Emission Quality Assessment in a Diesel Engine of Straight Castor and Sunflower Vegetable Oils, in Diesel/Gasoline/Oil Triple Blends. <i>Energies</i> , 2019, 12, 2181.	1.6	13
22	Rapid Models for Predicting the Low-Temperature Behavior of Diesel. <i>Chemical Engineering and Technology</i> , 2019, 42, 735-743.	0.9	11
23	Synthesis, Performance and Emission Quality Assessment of Ecodiesel from Castor Oil in Diesel/Biofuel/Alcohol Triple Blends in a Diesel Engine. <i>Catalysts</i> , 2019, 9, 40.	1.6	27
24	Acid-modified phonolite and foamed zeolite as supports for NiW catalysts for deoxygenation of waste rendering fat. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 773-793.	0.8	14
25	Catalytic hydrocracking of vacuum residue and waste cooking oil mixtures. <i>Monatshefte für Chemie</i> , 2018, 149, 1167-1177.	0.9	4
26	RGB histograms as a reliable tool for the evaluation of fuel oils stability. <i>Fuel</i> , 2018, 216, 16-22.	3.4	6
27	VO <sub>x</sub> /Zr-SBA-15 catalysts for selective oxidation of ethanol to acetaldehyde. <i>Chemical Papers</i> , 2018, 72, 937-946.	1.0	6
28	Partial Oxidation of Ethanol Using VO <sub>x</sub> /SBA-15 and VO <sub>x</sub> /Fumed Silica Catalysts in a Bench-scale Stainless Steel Reactor. <i>Periodica Polytechnica: Chemical Engineering</i> , 2018, 62, 345-350.	0.5	2
29	The effect of vanadium content and speciation on the activity of VO <sub>x</sub> /ZrO <sub>2</sub> catalysts in the conversion of ethanol to acetaldehyde. <i>Applied Catalysis A: General</i> , 2018, 564, 208-217.	2.2	16
30	Direct primary brown coal liquefaction via non-catalytic and catalytic co-processing with model, waste and petroleum-derived hydrogen donors. <i>Fuel</i> , 2018, 234, 364-370.	3.4	22
31	Catalytic conversion of furfural-acetone condensation products into bio-derived C8 linear alcohols over Ni Cu/Al-SBA-15. <i>Catalysis Communications</i> , 2018, 114, 42-45.	1.6	9
32	Partial oxidation of ethanol over ZrO <sub>2</sub> -supported vanadium catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 121, 161-173.	0.8	3
33	Conversion of ethanol to acetaldehyde over VO <sub>x</sub> -SiO <sub>2</sub> catalysts: the effects of support texture and vanadium speciation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 121, 353-369.	0.8	15
34	Effect of waste tires addition on a low-temperature hydrovisbreaking process of vacuum residue. <i>Chemical Papers</i> , 2017, 71, 1175-1182.	1.0	5
35	Cold Plasma and Acid Treatment Modification Effects on Phonolite. <i>Acta Chimica Slovenica</i> , 2017, 64, 598-602.	0.2	8
36	(V)/Hydrotalcite, (V)/Al <sub>2</sub> O <sub>3</sub> , (V)/TiO <sub>2</sub> and (V)/SBA-15 catalysts for the partial oxidation of ethanol to acetaldehyde. <i>Journal of Molecular Catalysis A</i> , 2016, 420, 178-189.	4.8	27

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37	Impact of dopant metal ions in the framework of parent zirconia on the n -heptane isomerization activity of the Pt/WO <sub>3</sub> -ZrO <sub>2</sub> catalysts. <i>Journal of Molecular Catalysis A</i> , 2016, 420, 107-114.	4.8	17
38	Continuous-Flow Hydroisomerization of C <sub>5</sub> -C <sub>7</sub> Alkanes Using Mechanochemically Synthesized Supported Pt and Pd-SBA-15 Materials. <i>Journal of Flow Chemistry</i> , 2015, 5, 11-16.	1.2	5
39	From laboratory catalysts to a new prototype: a novel real candidate for the isomerization of C <sub>5</sub> -C <sub>6</sub> paraffins. <i>RSC Advances</i> , 2015, 5, 56625-56628.	1.7	10
40	Hydrovisbreaking of vacuum residue from Russian Export Blend: influence of brown coal, light cycle oil, or naphtha addition. <i>Chemical Papers</i> , 2015, 69, .	1.0	6
41	Tailoring of the structure of Pt/WO <sub>3</sub> -ZrO <sub>2</sub> catalyst for high activity in skeletal isomerization of C <sub>5</sub> -C <sub>6</sub> paraffins under industrially relevant conditions. <i>Research on Chemical Intermediates</i> , 2015, 41, 9425-9437.	1.3	4
42	Mechanistic insights into the hydroconversion of cinnamaldehyde using mechanochemically-synthesized Pd/Al-SBA-15 catalysts. <i>Green Chemistry</i> , 2015, 17, 565-572.	4.6	20
43	Current uses and trends in catalytic isomerization, alkylation and etherification processes to improve gasoline quality. <i>Open Chemistry</i> , 2014, 12, 1-13.	1.0	25
44	Isomerization of C <sub>5</sub> -C <sub>7</sub> paraffins over a Pt/WO <sub>3</sub> -ZrO <sub>2</sub> catalyst using industrial feedstock. <i>Monatshefte für Chemie</i> , 2014, 145, 1407-1416.	0.9	6
45	A comprehensive study of reaction parameters in the enzymatic production of novel biofuels integrating glycerol into their composition. <i>Bioresource Technology</i> , 2010, 101, 6657-6662.	4.8	34
46	Sustainable preparation of a novel glycerol-free biofuel by using pig pancreatic lipase: Partial 1,3-regiospecific alcoholysis of sunflower oil. <i>Process Biochemistry</i> , 2009, 44, 334-342.	1.8	78
47	Efficient hydrogenation of alkenes using a highly active and reusable immobilised Ru complex on AlPO <sub>4</sub> . <i>Journal of Molecular Catalysis A</i> , 2009, 308, 41-45.	4.8	23
48	Preparation of Mesoporous Organically Modified Titanium Materials and their Activity in the Oxidation of Cyclohexene. <i>Catalysis Letters</i> , 2008, 126, 179-187.	1.4	8
49	Microwave oxidation of alkenes and alcohols using highly active and stable mesoporous organotitanium silicates. <i>Journal of Molecular Catalysis A</i> , 2008, 293, 17-24.	4.8	23
50	Biofuels: a technological perspective. <i>Energy and Environmental Science</i> , 2008, 1, 542.	15.6	521
51	Influence of the acid-base properties in Si-MCM-41 and B-MCM-41 mesoporous materials on the activity and selectivity of $\epsilon$ -caprolactam synthesis. <i>Applied Catalysis A: General</i> , 2006, 299, 224-234.	2.2	48