

# Jesse E Hensley

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7757033/publications.pdf>

Version: 2024-02-01

19  
papers

1,131  
citations

623734

14  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1947  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in heterogeneous catalysts for bio-oil upgrading via <i>in situ</i> catalytic fast pyrolysis: catalyst development through the study of model compounds. <i>Green Chemistry</i> , 2014, 16, 454-490.	9.0	418
2	Enhanced Hydrodeoxygenation of <i>m</i> -Cresol over Bimetallic Pt–Mo Catalysts through an Oxophilic Metal-Induced Tautomerization Pathway. <i>ACS Catalysis</i> , 2016, 6, 4356-4368.	11.2	117
3	Organometallic model complexes elucidate the active gallium species in alkane dehydrogenation catalysts based on ligand effects in Ga K-edge XANES. <i>Catalysis Science and Technology</i> , 2016, 6, 6339-6353.	4.1	90
4	Growing the Bioeconomy through Catalysis: A Review of Recent Advancements in the Production of Fuels and Chemicals from Syngas-Derived Oxygenates. <i>ACS Catalysis</i> , 2019, 9, 4145-4172.	11.2	73
5	A Facile Molecular Precursor Route to Metal Phosphide Nanoparticles and Their Evaluation as Hydrodeoxygenation Catalysts. <i>Chemistry of Materials</i> , 2015, 27, 7580-7592.	6.7	60
6	Mixed alcohol dehydration over Brønsted and Lewis acidic catalysts. <i>Applied Catalysis A: General</i> , 2016, 510, 110-124.	4.3	59
7	Techno-economics for conversion of lignocellulosic biomass to ethanol by indirect gasification and mixed alcohol synthesis. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 182-190.	2.3	49
8	Conceptual process design and economics for the production of high-octane gasoline blendstock via indirect liquefaction of biomass through methanol/dimethyl ether intermediates. <i>Biofuels, Bioproducts and Biorefining</i> , 2016, 10, 17-35.	3.7	45
9	Surface Chemistry of Aromatic Reactants on Pt- and Mo-Modified Pt Catalysts. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26824-26833.	3.1	38
10	Conversion of Dimethyl Ether to 2,2,3-Trimethylbutane over a Cu/BEA Catalyst: Role of Cu Sites in Hydrogen Incorporation. <i>ACS Catalysis</i> , 2015, 5, 1794-1803.	11.2	37
11	Methanol to high-octane gasoline within a market-responsive biorefinery concept enabled by catalysis. <i>Nature Catalysis</i> , 2019, 2, 632-640.	34.4	33
12	Deactivation and stability of K-CoMoS <sub>x</sub> mixed alcohol synthesis catalysts. <i>Journal of Catalysis</i> , 2014, 309, 199-208.	6.2	28
13	Technoeconomic Analysis for the Production of Mixed Alcohols via Indirect Gasification of Biomass Based on Demonstration Experiments. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 12149-12159.	3.7	25
14	High-Octane Gasoline from Biomass: Experimental, Economic, and Environmental Assessment. <i>Applied Energy</i> , 2019, 241, 25-33.	10.1	25
15	Exploring Low-Temperature Dehydrogenation at Ionic Cu Sites in Beta Zeolite To Enable Alkane Recycle in Dimethyl Ether Homologation. <i>ACS Catalysis</i> , 2017, 7, 3662-3667.	11.2	13
16	Synthetic Middle-Distillate-Range Hydrocarbons via Catalytic Dimerization of Branched C <sub>6</sub> –C <sub>8</sub> Olefins Derived from Renewable Dimethyl Ether. <i>Energy &amp; Fuels</i> , 2015, 29, 6078-6087.	5.1	9
17	Catalyst design to direct high-octane gasoline fuel properties for improved engine efficiency. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120801.	20.2	7
18	Temperature-programmed Deoxygenation of Acetic Acid on Molybdenum Carbide Catalysts. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	1

#	ARTICLE	IF	CITATIONS
19	Direct Conversion of Renewable CO <sub>2</sub> -Rich Syngas to High-Octane Hydrocarbons in a Single Reactor. ACS Catalysis, 0, , 9270-9280.	11.2	1