

S David Jackson

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,400
citations

516710

16
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

3170
citing authors

#	ARTICLE	IF	CITATIONS
1	The Roles of Subsurface Carbon and Hydrogen in Palladium-Catalyzed Alkyne Hydrogenation. <i>Science</i> , 2008, 320, 86-89.	12.6	800
2	Hydrogenation on Metal Surfaces: Why are Nanoparticles More Active than Single Crystals?. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5240-5243.	13.8	285
3	Alkyne hydrogenation over Pd catalysts: A new paradigm. <i>Journal of Catalysis</i> , 2006, 242, 26-37.	6.2	268
4	Understanding Palladium Hydrogenation Catalysts: When the Nature of the Reactive Molecule Controls the Nature of the Catalyst Active Phase. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9274-9278.	13.8	185
5	Catalytic depolymerisation of isolated lignins to fine chemicals using a Pt/alumina catalyst: part 1 – impact of the lignin structure. <i>Green Chemistry</i> , 2015, 17, 1235-1242.	9.0	173
6	On the Structure of Vanadium Oxide Supported on Aluminas: A UV and Visible Raman Spectroscopy, UV-Visible Diffuse Reflectance Spectroscopy, and Temperature-Programmed Reduction Studies. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2793-2800.	2.6	167
7	A Study of Nitrobenzene Hydrogenation Over Palladium/Carbon Catalysts. <i>Catalysis Letters</i> , 2002, 84, 205-208.	2.6	77
8	Investigation of the Chemocatalytic and Biocatalytic Valorization of a Range of Different Lignin Preparations: The Importance of 1 ² -O-4 Content. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6921-6930.	6.7	74
9	Raman Spectroscopic Study of V ₂ O ₅ /Al ₂ O ₃ Catalysts: Quantification of Surface Vanadia Species and Their Structure Reduced by Hydrogen. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16460-16469.	3.1	53
10	Catalytic depolymerisation of isolated lignin to fine chemicals: part 2 – process optimisation. <i>Catalysis Science and Technology</i> , 2016, 6, 4142-4150.	4.1	44
11	Organosolv pretreatment of Sitka spruce wood: Conversion of hemicelluloses to ethyl glycosides. <i>Bioresource Technology</i> , 2014, 151, 441-444.	9.6	43
12	Ethane Steam Reforming over a Platinum/Alumina Catalyst: Effect of Sulfur Poisoning. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13350-13356.	3.7	37
13	Isolation of high quality lignin as a by-product from ammonia percolation pretreatment of poplar wood. <i>Bioresource Technology</i> , 2014, 162, 236-242.	9.6	35
14	C-5 alkene hydrogenation: Effect of competitive reactions on activity and selectivity. <i>Catalysis Today</i> , 2006, 116, 22-29.	4.4	28
15	Hydrogenation of 3-nitroacetophenone over rhodium/silica catalysts: Effect of metal dispersion and catalyst support. <i>Applied Catalysis A: General</i> , 2013, 462-463, 121-128.	4.3	20
16	Using modifiers to specify stereochemistry and enhance selectivity and activity in palladium-catalysed, liquid phase hydrogenation of alkynes. <i>Catalysis Today</i> , 2011, 164, 548-551.	4.4	17
17	Hydrogenation of unsaturated hydrocarbons – 40 years on: Hydrogenation of 1,3-pentadiene over Pd/alumina. <i>Catalysis Today</i> , 2007, 128, 47-51.	4.4	16
18	Hydrogenation of 4-nitroacetophenone over Rh/silica. <i>Applied Catalysis A: General</i> , 2014, 484, 59-63.	4.3	15

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19	An isotopic study of the transhydrogenation of propyne with propane over a potassium-doped chromia/alumina catalyst. <i>Applied Catalysis A: General</i> , 2005, 289, 16-21.	4.3	7
20	Catalytic depolymerisation of isolated lignin to fine chemicals: Depolymerisation of Kraft lignin. <i>Bioresource Technology Reports</i> , 2020, 9, 100400.	2.7	7
21	The influence of carbon laydown on selectivity in the hydrogenation of pentenenitriles over supported-nickel catalysts. <i>Applied Catalysis A: General</i> , 2010, 384, 192-200.	4.3	4
22	Transhydrogenation of propyne with butane over a vanadia/̂-alumina catalyst. <i>Applied Petrochemical Research</i> , 2015, 5, 199-205.	1.3	2
23	Hydrogenation of alkynyl substituted aromatics over rhodium/silica. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 669.	1.7	0