

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	Hydrogenation of alkynyl substituted aromatics over rhodium/silica. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 669.	1.7	0
2	Catalytic depolymerisation of isolated lignin to fine chemicals: Depolymerisation of Kraft lignin. Bioresource Technology Reports, 2020, 9, 100400.	2.7	7
3	Investigation of the Chemocatalytic and Biocatalytic Valorization of a Range of Different Lignin Preparations: The Importance of 2-O-4 Content. ACS Sustainable Chemistry and Engineering, 2016, 4, 6921-6930.	6.7	74
4	Catalytic depolymerisation of isolated lignin to fine chemicals: part 2 " process optimisation. Catalysis Science and Technology, 2016, 6, 4142-4150.	4.1	44
5	Transhydrogenation of propyne with butane over a vanadia/Al ₂ O ₃ alumina catalyst. Applied Petrochemical Research, 2015, 5, 199-205.	1.3	2
6	Catalytic depolymerisation of isolated lignins to fine chemicals using a Pt/alumina catalyst: part 1 " impact of the lignin structure. Green Chemistry, 2015, 17, 1235-1242.	9.0	173
7	Organosolv pretreatment of Sitka spruce wood: Conversion of hemicelluloses to ethyl glycosides. Bioresource Technology, 2014, 151, 441-444.	9.6	43
8	Hydrogenation of 4-nitroacetophenone over Rh/silica. Applied Catalysis A: General, 2014, 484, 59-63.	4.3	15
9	Isolation of high quality lignin as a by-product from ammonia percolation pretreatment of poplar wood. Bioresource Technology, 2014, 162, 236-242.	9.6	35
10	Ethane Steam Reforming over a Platinum/Alumina Catalyst: Effect of Sulfur Poisoning. Industrial & Engineering Chemistry Research, 2013, 52, 13350-13356.	3.7	37
11	Hydrogenation of 3-nitroacetophenone over rhodium/silica catalysts: Effect of metal dispersion and catalyst support. Applied Catalysis A: General, 2013, 462-463, 121-128.	4.3	20
12	Using modifiers to specify stereochemistry and enhance selectivity and activity in palladium-catalysed, liquid phase hydrogenation of alkynes. Catalysis Today, 2011, 164, 548-551.	4.4	17
13	The influence of carbon laydown on selectivity in the hydrogenation of pentenenitriles over supported-nickel catalysts. Applied Catalysis A: General, 2010, 384, 192-200.	4.3	4
14	Understanding Palladium Hydrogenation Catalysts: When the Nature of the Reactive Molecule Controls the Nature of the Catalyst Active Phase. Angewandte Chemie - International Edition, 2008, 47, 9274-9278.	13.8	185
15	The Roles of Subsurface Carbon and Hydrogen in Palladium-Catalyzed Alkyne Hydrogenation. Science, 2008, 320, 86-89.	12.6	800
16	Raman Spectroscopic Study of V/Al ₂ O ₃ Catalysts: " Quantification of Surface Vanadia Species and Their Structure Reduced by Hydrogen. Journal of Physical Chemistry C, 2007, 111, 16460-16469.	3.1	53
17	Hydrogenation of unsaturated hydrocarbons " 40 years on: Hydrogenation of 1,3-pentadiene over Pd/alumina. Catalysis Today, 2007, 128, 47-51.	4.4	16
18	C-5 alkene hydrogenation: Effect of competitive reactions on activity and selectivity. Catalysis Today, 2006, 116, 22-29.	4.4	28

#	ARTICLE	IF	CITATIONS
19	Alkyne hydrogenation over Pd catalysts: A new paradigm. <i>Journal of Catalysis</i> , 2006, 242, 26-37.	6.2	268
20	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
21	On the Structure of Vanadium Oxide Supported on Aluminas: 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
22	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
23	A Study of Nitrobenzene Hydrogenation Over Palladium/Carbon Catalysts. <i>Catalysis Letters</i> , 2002, 84, 205-208.	2.6	77