

Nicholas C Nelson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5074944/publications.pdf>

Version: 2024-02-01

20
papers

941
citations

516710

16
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1515
citing authors

#	ARTICLE	IF	CITATIONS
1	Supported iron nanoparticles for the hydrodeoxygenation of microalgal oil to green diesel. <i>Journal of Catalysis</i> , 2014, 314, 142-148.	6.2	135
2	Selective Hydrogenation of Phenol Catalyzed by Palladium on High-Surface-Area Ceria at Room Temperature and Ambient Pressure. <i>ACS Catalysis</i> , 2015, 5, 2051-2061.	11.2	120
3	Role Of CO ₂ As a Soft Oxidant For Dehydrogenation of Ethylbenzene to Styrene over a High-Surface-Area Ceria Catalyst. <i>ACS Catalysis</i> , 2015, 5, 6426-6435.	11.2	90
4	Mesoporous Silica-Supported Amidozirconium-Catalyzed Carbonyl Hydroboration. <i>ACS Catalysis</i> , 2015, 5, 7399-7414.	11.2	87
5	Carboxyl intermediate formation via an in situ-generated metastable active site during water-gas shift catalysis. <i>Nature Catalysis</i> , 2019, 2, 916-924.	34.4	79
6	Selective Alcohol Dehydrogenation and Hydrogenolysis with Semiconductor-Metal Photocatalysts: Toward Solar-to-Chemical Energy Conversion of Biomass-Relevant Substrates. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2798-2802.	4.6	76
7	Synergistic Interaction between Oxides of Copper and Iron for Production of Fatty Alcohols from Fatty Acids. <i>ACS Catalysis</i> , 2015, 5, 6719-6723.	11.2	51
8	In situ Dispersion of Palladium on TiO ₂ During Reverse Water-Gas Shift Reaction: Formation of Atomically Dispersed Palladium. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17657-17663.	13.8	51
9	Phosphate modified ceria as a Brønsted acidic/redox multifunctional catalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4455-4466.	10.3	39
10	Heterolytic Hydrogen Activation: Understanding Support Effects in Water-Gas Shift, Hydrodeoxygenation, and CO Oxidation Catalysis. <i>ACS Catalysis</i> , 2020, 10, 5663-5671.	11.2	34
11	Mechanistic Insight into Nanoparticle Surface Adsorption by Solution NMR Spectroscopy in an Aqueous Gel. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9802-9806.	13.8	31
12	Vapor-Phase Oxidation of Benzyl Alcohol Using Manganese Oxide Octahedral Molecular Sieves (OMS-2). <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19044-19051.	3.7	25
13	Transfer hydrogenation over sodium-modified ceria: Enrichment of redox sites active for alcohol dehydrogenation. <i>Journal of Catalysis</i> , 2017, 346, 180-187.	6.2	20
14	Templated Synthesis and Chemical Behavior of Nickel Nanoparticles within High Aspect Ratio Silica Capsules. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25826-25836.	3.1	18
15	In situ Dispersion of Palladium on TiO ₂ During Reverse Water-Gas Shift Reaction: Formation of Atomically Dispersed Palladium. <i>Angewandte Chemie</i> , 2020, 132, 17810-17816.	2.0	18
16	Aerobic Oxidation of Cyclic Amines to Lactams Catalyzed by Ceria-Supported Nanogold. <i>Catalysis Letters</i> , 2016, 146, 2278-2291.	2.6	17
17	Mechanistic Insight into Nanoparticle Surface Adsorption by Solution NMR Spectroscopy in an Aqueous Gel. <i>Angewandte Chemie</i> , 2017, 129, 9934-9938.	2.0	14
18	Deactivation of Ceria Supported Palladium through C-C Scission during Transfer Hydrogenation of Phenol with Alcohols. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28067-28073.	3.1	13

#	ARTICLE	IF	CITATIONS
19	Quantitative atomic-scale structure characterization of ordered mesoporous carbon materials by solid state NMR. Carbon, 2018, 131, 102-110.	10.3	12
20	Heterogeneous Multicatalytic System for Single-Pot Oxidation and C-C Coupling Reaction Sequences. Topics in Catalysis, 2014, 57, 1000-1006.	2.8	11