Nicholas C Nelson

List of Publications by Year
in descending order

20	941	516710 16	752698 20
papers	citations	h-index	g-index

21	21	21	1515
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inâ€...Situ Dispersion of Palladium on TiO₂ During Reverse Waterâ€“Gas Shift Reaction: Formation of Atomically Dispersed Palladium. Angewandte Chemie, 2020, 132, 17810-17816.	2.0	18
2	Inâ€...Situ Dispersion of Palladium on TiO₂ During Reverse Waterâ€“Gas Shift Reaction: Formation of Atomically Dispersed Palladium. Angewandte Chemie - International Edition, 2020, 59, 17657-17663.	13.8	51
3	Heterolytic Hydrogen Activation: Understanding Support Effects in Waterâ€“Gas Shift, Hydrodeoxygenation, and CO Oxidation Catalysis. ACS Catalysis, 2020, 10, 5663-5671.	11.2	34
4	Carboxyl intermediate formation via an in situ-generated metastable active site during water-gas shift catalysis. Nature Catalysis, 2019, 2, 916-924.	34.4	79
5	Quantitative atomic-scale structure characterization of ordered mesoporous carbon materials by solid state NMR. Carbon, 2018, 131, 102-110.	10.3	12
6	Transfer hydrogenation over sodium-modified ceria: Enrichment of redox sites active for alcohol dehydrogenation. Journal of Catalysis, 2017, 346, 180-187.	6.2	20
7	Phosphate modified ceria as a BrÃ¸nsted acidic/redox multifunctional catalyst. Journal of Materials Chemistry A, 2017, 5, 4455-4466.	10.3	39
8	Mechanistic Insight into Nanoparticle Surface Adsorption by Solution NMR Spectroscopy in an Aqueous Gel. Angewandte Chemie - International Edition, 2017, 56, 9802-9806.	13.8	31
9	Mechanistic Insight into Nanoparticle Surface Adsorption by Solution NMR Spectroscopy in an Aqueous Gel. Angewandte Chemie, 2017, 129, 9934-9938.	2.0	14
10	Aerobic Oxidation of Cyclic Amines to Lactams Catalyzed by Ceria-Supported Nanogold. Catalysis Letters, 2016, 146, 2278-2291.	2.6	17
11	Deactivation of Ceria Supported Palladium through Câ€“C Scission during Transfer Hydrogenation of Phenol with Alcohols. Journal of Physical Chemistry C, 2016, 120, 28067-28073.	3.1	13
12	Selective Hydrogenation of Phenol Catalyzed by Palladium on High-Surface-Area Ceria at Room Temperature and Ambient Pressure. ACS Catalysis, 2015, 5, 2051-2061.	11.2	120
13	Role Of CO₂ As a Soft Oxidant For Dehydrogenation of Ethylbenzene to Styrene over a High-Surface-Area Ceria Catalyst. ACS Catalysis, 2015, 5, 6426-6435.	11.2	90
14	Synergistic Interaction between Oxides of Copper and Iron for Production of Fatty Alcohols from Fatty Acids. ACS Catalysis, 2015, 5, 6719-6723.	11.2	51
15	Mesoporous Silica-Supported Amidozirconium-Catalyzed Carbonyl Hydroboration. ACS Catalysis, 2015, 5, 7399-7414.	11.2	87
16	Vapor-Phase Oxidation of Benzyl Alcohol Using Manganese Oxide Octahedral Molecular Sieves (OMS-2). Industrial & Engineering Chemistry Research, 2014, 53, 19044-19051.	3.7	25
17	Heterogeneous Multicatalytic System for Single-Pot Oxidation and Câ€“C Coupling Reaction Sequences. Topics in Catalysis, 2014, 57, 1000-1006.	2.8	11
18	Supported iron nanoparticles for the hydrodeoxygenation of microalgal oil to green diesel. Journal of Catalysis, 2014, 314, 142-148.	6.2	135

#	Article	IF	Citations
19	Templated Synthesis and Chemical Behavior of Nickel Nanoparticles within High Aspect Ratio Silica Capsules. Journal of Physical Chemistry C, 2013, 117, 25826-25836.	3.1	18
20	Selective Alcohol Dehydrogenation and Hydrogenolysis with Semiconductor-Metal Photocatalysts: Toward Solar-to-Chemical Energy Conversion of Biomass-Relevant Substrates. Journal of Physical Chemistry Letters, 2012, 3, 2798-2802.	4.6	76