Keith L Hohn

List of Publications by Year
in descending order

39	585	623734 14	642732 23
papers	citations	h-index	g-index

39	39	39	908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic Partial Oxidation of Methanol and Ethanol for Hydrogen Generation. ChemSusChem, 2009, 2, 927-940.	6.8	74
2	Introduction of Protonated Sites on Exfoliated, Large-Area Sheets of Hexagonal Boron Nitride. ACS Nano, 2018, 12, 9931-9939.	14.6	48
3	Ethanol fermentation from food processing waste. Environmental Progress and Sustainable Energy, 2013, 32, 1280-1283.	2.3	42
4	Study of reaction intermediates of methanol decomposition and catalytic partial oxidation on Pt/Al2O3. Applied Catalysis A: General, 2009, 354, 26-32.	4.3	41
5	Conversion of 2,3-butanediol to butenes over bifunctional catalysts in a single reactor. Journal of Catalysis, 2015, 330, 222-237.	6.2	38
6	Catalytic Oxidation of Methanol on Nanoscale Copper Oxide and Nickel Oxide. Industrial & Engineering Chemistry Research, 2004, 43, 30-35.	3.7	33
7	Carbon dioxide hydrogenation to aromatic hydrocarbons by using an iron/iron oxide nanocatalyst. Beilstein Journal of Nanotechnology, 2014, 5, 760-769.	2.8	23
8	Autothermal reforming and partial oxidation of n-hexadecane via Pt/Ni bimetallic catalysts on ceria-based supports. International Journal of Hydrogen Energy, 2015, 40, 8510-8521.	7.1	23
9	Influence of basicity on 1,3-butadiene formation from catalytic 2,3-butanediol dehydration over Î³-alumina. Journal of Catalysis, 2016, 344, 77-89.	6.2	23
10	In situ IR investigation of activation and catalytic ignition of methane over Rh/Al2O3 catalysts. Applied Catalysis A: General, 2008, 344, 78-87.	4.3	21
11	Hydrogen generation from methanol oxidation on supported Cu and Pt catalysts: Effects of active phases and supports. Applied Catalysis A: General, 2007, 327, 164-172.	4.3	19
12	Study of mesoporous catalysts for conversion of 2,3-butanediol to butenes. Journal of Catalysis, 2017, 354, 182-196.	6.2	19
13	Catalytic Pathways Identification for Partial Oxidation of Methanol on Copperâ"Zinc Catalysts:Â CH3OH + 1/2O2â†" CO2+ 2H2. Industrial & Engineering Chemistry Research, 2008, 47, 2523-2527.	3.7	18
14	Mechanistic study of the catalytic conversion of 2,3-butanediol to butenes. Journal of Catalysis, 2018, 360, 221-239.	6.2	15
15	Transformation of nanocrystalline MgO pellets in reaction with 1-chlorobutane. AICHE Journal, 2004, 50, 3195-3205.	3.6	13
16	Production of Methyl Ethyl Ketone from Biomass Using a Hybrid Biochemical/Catalytic Approach. Industrial & Engineering Chemistry Research, 0, , 120924162626002.	3.7	13
17	Acid monolayer functionalized iron oxide nanoparticles as catalysts for carbohydrate hydrolysis. Green Chemistry, 2014, 16, 836-843.	9.0	13
18	Single-Molecule Studies of Acidity Distributions in Mesoporous Aluminosilicate Thin Films. Langmuir, 2015, 31, 5667-5675.	3.5	12

#	Article	IF	Citations
19	Metabolic flux analysis of carbon balance in Lactobacillus strains. Biotechnology Progress, 2016, 32, 1397-1403.	2.6	10
20	Transformation of 2,3-butanediol in a dual bed catalyst system. Chemical Engineering Science, 2018, 175, 387-395.	3.8	10
21	Metals on ZrO2: Catalysts for the Aldol Condensation of Methyl Ethyl Ketone (MEK) to C8 Ketones. Catalysts, 2018, 8, 622.	3.5	10
22	Dehydrogenation of 2,3-Butanediol to Acetoin Using Copper Catalysts. Industrial & Engineering Chemistry Research, 2022, 61, 3530-3538.	3.7	10
23	Conversion of methyl ethyl ketone to butenes over bifunctional catalysts. Applied Catalysis A: General, 2019, 570, 173-182.	4.3	9
24	Perovskite Catalystsâ€"A Special Issue on Versatile Oxide Catalysts. Catalysts, 2014, 4, 305-306.	3.5	8
25	Simulation of a fuel reforming system based on catalytic partial oxidation. Journal of Power Sources, 2008, 183, 295-302.	7.8	7
26	Effect of Solâ€"gel Synthesis on Physical and Chemical Properties of V/SiO2 and V/MgO Catalysts. Catalysis Letters, 2006, 107, 215-222.	2.6	6
27	Conversion of 5-Methyl-3-Heptanone to C8 Alkenes and Alkane over Bifunctional Catalysts. Catalysts, 2019, 9, 845.	3.5	6
28	Syngas Production from Catalytic Partial Oxidation ofn-Butane: Comparison between Incipient Wetness and Solâ"gel Prepared Pt/Al₂O₃. Industrial & Engineering Chemistry Research, 2008, 47, 7184-7189.	3.7	5
29	Modification of hexagonal boron nitride by thermal treatment. Journal of Materials Science, 2021, 56, 7298-7307.	3.7	4
30	Partial Oxidation of n-Butane over a Sol-Gel Prepared Vanadium Phosphorous Oxide. Catalysts, 2013, 3, 11-26.	3.5	3
31	Exploring Microenvironment Acidity Inside the Solvent-Filled Pores of Mesoporous Silica Thin Films via Single-Molecule Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 20333-20341.	3.1	3
32	Single Molecule Spectroscopy Studies of Acidâ€"Base Chemical Gradients Using Nile Red as a Probe of Local Surface Acidity. Langmuir, 2021, 37, 12138-12147.	3.5	3
33	A New Year of Catalysts. Catalysts, 2016, 6, 16.	3.5	2
34	Fluorescence spectroscopy studies of crossed aldol reactions: a reactive Nile red dye reveals catalyst-dependent product formation. Catalysis Science and Technology, 2020, 10, 5579-5592.	4.1	1
35	Welcome to Catalystsâ€"â€"A New Open Access Journal for a Growing Scientific Community. Catalysts, 2011, 1, 1-2.	3.5	0
36	Whatâ€™s in a Number?. Catalysts, 2015, 5, 1304-1305.	3.5	0

#	Article	IF	Citations
37	Catalysts Best Paper Award 2016. Catalysts, 2016, 6, 44.	3.5	0
38	Remembering ICC 16. Catalysts, 2016, 6, 153.	3.5	0
39	Catalystsâ€"Looking Back and Peering Ahead. Catalysts, 2017, 7, 41.	3.5	0