

Jiawei Zhong

List of Publications by Year in descending order

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15
papers

1,339
citations

687363

13
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

1614
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the art and perspectives in heterogeneous catalysis of CO ₂ hydrogenation to methanol. <i>Chemical Society Reviews</i> , 2020, 49, 1385-1413.	38.1	605
2	Recent advances of the nano-hierarchical SAPO-34 in the methanol-to-olefin (MTO) reaction and other applications. <i>Catalysis Science and Technology</i> , 2017, 7, 4905-4923.	4.1	115
3	Selective hydrogenation of phenol and related derivatives. <i>Catalysis Science and Technology</i> , 2014, 4, 3555-3569.	4.1	95
4	Particle Size Effects in Stoichiometric Methane Combustion: Structure-Activity Relationship of Pd Catalyst Supported on Gamma-Alumina. <i>ACS Catalysis</i> , 2020, 10, 10339-10349.	11.2	84
5	Heterogeneous non-mercury catalysts for acetylene hydrochlorination: progress, challenges, and opportunities. <i>Green Chemistry</i> , 2018, 20, 2412-2427.	9.0	80
6	One-Step Approach to 2,5-Diformylfuran from Fructose by Using a Bifunctional and Recyclable Acidic Polyoxometalate Catalyst. <i>ChemPlusChem</i> , 2014, 79, 1448-1454.	2.8	69
7	Ruthenium complex immobilized on poly(4-vinylpyridine)-functionalized carbon-nanotube for selective aerobic oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran. <i>RSC Advances</i> , 2015, 5, 5933-5940.	3.6	55
8	Catalysts and shape selective catalysis in the methanol-to-olefin (MTO) reaction. <i>Journal of Catalysis</i> , 2021, 396, 23-31.	6.2	55
9	Increasing the selectivity to ethylene in the MTO reaction by enhancing diffusion limitation in the shell layer of SAPO-34 catalyst. <i>Chemical Communications</i> , 2018, 54, 3146-3149.	4.1	49
10	Simultaneous Evaluation of Reaction and Diffusion over Molecular Sieves for Shape-Selective Catalysis. <i>ACS Catalysis</i> , 2020, 10, 8727-8735.	11.2	32
11	Enhancing ethylene selectivity in MTO reaction by incorporating metal species in the cavity of SAPO-34 catalysts. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1821-1831.	14.0	29
12	Protonated and layered transition metal oxides as solid acids for dehydration of biomass-based fructose into 5-hydroxymethylfurfural. <i>Journal of Energy Chemistry</i> , 2017, 26, 147-154.	12.9	21
13	The template-assisted zinc ion incorporation in SAPO-34 and the enhanced ethylene selectivity in MTO reaction. <i>Journal of Energy Chemistry</i> , 2019, 32, 174-181.	12.9	21
14	Recent advances in catalytic conversion of carbon dioxide to propiolic acids over coinage-metal-based catalysts. <i>Journal of Energy Chemistry</i> , 2021, 59, 572-580.	12.9	15
15	Tuning the product selectivity of SAPO-18 catalysts in MTO reaction via cavity modification. <i>Chinese Journal of Catalysis</i> , 2019, 40, 477-485.	14.0	14