

Weifeng Tu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

714
citations

567281

15
h-index

713466

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all docs

21
docs citations

21
times ranked

804
citing authors

#	ARTICLE	IF	CITATIONS
1	Consequences of Surface Oxophilicity of Ni, Ni-Co, and Co Clusters on Methane Activation. <i>Journal of the American Chemical Society</i> , 2017, 139, 6928-6945.	13.7	104
2	Tuning the Dynamic Interfacial Structure of Copper-Ceria Catalysts by Indium Oxide during CO Oxidation. <i>ACS Catalysis</i> , 2018, 8, 5261-5275.	11.2	100
3	Unraveling the Role of Zinc on Bimetallic Fe ₅ C ₂ -ZnO Catalysts for Highly Selective Carbon Dioxide Hydrogenation to High Carbon α -Olefins. <i>ACS Catalysis</i> , 2021, 11, 2121-2133.	11.2	72
4	Direct and Selective Synthesis of Hydrogen Peroxide over Palladium-Tellurium Catalysts at Ambient Pressure. <i>ChemSusChem</i> , 2017, 10, 3342-3346.	6.8	57
5	The evolutions of carbon and iron species modified by Na and their tuning effect on the hydrogenation of CO ₂ to olefins. <i>Applied Surface Science</i> , 2020, 525, 146622.	6.1	45
6	Facile Synthesis of Superstructured MoS ₂ and Graphitic Nanocarbon Hybrid for Efficient Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14441-14449.	6.7	41
7	Insights into the regulation of FeNa catalysts modified by Mn promoter and their tuning effect on the hydrogenation of CO ₂ to light olefins. <i>Journal of Catalysis</i> , 2020, 390, 12-22.	6.2	38
8	Chemical and structural properties of Na decorated Fe ₅ C ₂ -ZnO catalysts during hydrogenation of CO ₂ to linear α -olefins. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120567.	20.2	35
9	MnO _x promotional effects on olefins synthesis directly from syngas over bimetallic Fe-MnO _x /SiO ₂ catalysts. <i>AIChE Journal</i> , 2017, 63, 4451-4464.	3.6	34
10	Dynamic structure of highly disordered manganese oxide catalysts for low-temperature CO oxidation. <i>Journal of Catalysis</i> , 2021, 401, 115-128.	6.2	31
11	Effect of MnO ₂ Polymorphs' Structure on Low-Temperature Catalytic Oxidation: Crystalline Controlled Oxygen Vacancy Formation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18525-18538.	8.0	27
12	Effects of the reducing gas atmosphere on performance of FeCeNa catalyst for the hydrogenation of CO ₂ to olefins. <i>Chemical Engineering Journal</i> , 2022, 428, 131388.	12.7	21
13	Catalytic Consequences of Chemisorbed Oxygen during Methanol Oxidative Dehydrogenation on Pd Clusters. <i>ACS Catalysis</i> , 2015, 5, 3375-3386.	11.2	20
14	Catalytic consequences of the decoration of sodium and zinc atoms during CO ₂ hydrogenation to olefins over iron-based catalyst. <i>Catalysis Today</i> , 2022, 387, 28-37.	4.4	20
15	Catalytic consequences of the identity and coverages of reactive intermediates during methanol partial oxidation on Pt clusters. <i>Journal of Catalysis</i> , 2014, 313, 55-69.	6.2	17
16	Catalytic Consequences of the Thermodynamic Activities at Metal Cluster Surfaces and Their Periodic Reactivity Trend for Methanol Oxidation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12148-12152.	13.8	15
17	CO ₂ hydrogenation to olefins on supported iron catalysts: Effects of support properties on carbon-containing species and product distribution. <i>Fuel</i> , 2022, 324, 124649.	6.4	13
18	Catalytic consequences of the identity of surface reactive intermediates during direct hydrogen peroxide formation on Pd particles. <i>Journal of Catalysis</i> , 2019, 377, 494-506.	6.2	12

#	ARTICLE	IF	CITATIONS
19	Mechanism and sites requirement for CO hydrogenation to CH ₃ OH over Cu/CeO ₂ catalysts. Applied Catalysis B: Environmental, 2022, 305, 121016.	20.2	8
20	Visualization of Phase Segregation and Surface Reconstruction of Pt-Based Bi-metallic Clusters During In Situ Oxidation. Microscopy and Microanalysis, 2016, 22, 734-735.	0.4	1