

Tiancheng Pu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,991
citations

686830

13
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

2651
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbothermal shock synthesis of high-entropy-alloy nanoparticles. <i>Science</i> , 2018, 359, 1489-1494.	6.0	1,065
2	Nanoceria-Supported Single-Atom Platinum Catalysts for Direct Methane Conversion. <i>ACS Catalysis</i> , 2018, 8, 4044-4048.	5.5	214
3	Induced activation of the commercial Cu/ZnO/Al ₂ O ₃ catalyst for the steam reforming of methanol. <i>Nature Catalysis</i> , 2022, 5, 99-108.	16.1	155
4	Overview of Selective Oxidation of Ethylene to Ethylene Oxide by Ag Catalysts. <i>ACS Catalysis</i> , 2019, 9, 10727-10750.	5.5	104
5	Vacancy engineering of the nickel-based catalysts for enhanced CO ₂ methanation. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119561.	10.8	100
6	Oxo dicopper anchored on carbon nitride for selective oxidation of methane. <i>Nature Communications</i> , 2022, 13, 1375.	5.8	98
7	Effect of niobium oxide phase on the furfuryl alcohol dehydration. <i>Catalysis Communications</i> , 2017, 97, 65-69.	1.6	42
8	Strong Metal-Support Interactions between Nickel and Iron Oxide during CO ₂ Hydrogenation. <i>ACS Catalysis</i> , 2021, 11, 11966-11972.	5.5	36
9	Recovery of ammonium from aqueous solutions using ZSM-5. <i>Chemosphere</i> , 2018, 198, 501-509.	4.2	29
10	Bridging adsorption analytics and catalytic kinetics for metal-exchanged zeolites. <i>Nature Catalysis</i> , 2021, 4, 144-156.	16.1	27
11	Formation and influence of surface hydroxyls on product selectivity during CO ₂ hydrogenation by Ni/SiO ₂ catalysts. <i>Journal of Catalysis</i> , 2021, 400, 228-233.	3.1	27
12	Insight into the reversible behavior of Lewis-Brønsted basic poly(ionic liquid)s in one-pot two-step chemical fixation of CO ₂ to linear carbonates. <i>Green Chemistry</i> , 2021, 23, 8571-8580.	4.6	23
13	Improved Prediction of Nanoalloy Structures by the Explicit Inclusion of Adsorbates in Cluster Expansions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18040-18047.	1.5	19
14	Nature and Reactivity of Oxygen Species on/in Silver Catalysts during Ethylene Oxidation. <i>ACS Catalysis</i> , 2022, 12, 4375-4381.	5.5	17
15	Recovery of Inorganic Phosphorus Using Copper-Substituted ZSM-5. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6192-6200.	3.2	10
16	Perovskite ABO ₃ -Type MOF-Derived Carbon Decorated Fe ₃ O ₄ with Enhanced Lithium Storage Performance. <i>ChemElectroChem</i> , 2018, 5, 3426-3436.	1.7	9
17	Revealing the dependence of CO ₂ activation on hydrogen dissociation ability over supported nickel catalysts. <i>AIChE Journal</i> , 2022, 68, e17458.	1.8	9
18	Combined <i>In Situ</i> Diffuse Reflectance Infrared Fourier Transform Spectroscopy and Kinetic Studies on CO ₂ Methanation Reaction over Ni/Al ₂ O ₃ . <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 9678-9685.	1.8	7