

Zheng Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2950370/publications.pdf>

Version: 2024-02-01

15
papers

1,453
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

2067
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Atomic Cu with Multiple Oxygen Vacancies on Ceria for Electrocatalytic CO ₂ Reduction to CH ₄ . ACS Catalysis, 2018, 8, 7113-7119.	11.2	486
2	Boosting CO ₂ Electroreduction to CH ₄ via Tuning Neighboring Single-Copper Sites. ACS Energy Letters, 2020, 5, 1044-1053.	17.4	326
3	Doping strain induced bi-Ti ³⁺ pairs for efficient N ₂ activation and electrocatalytic fixation. Nature Communications, 2019, 10, 2877.	12.8	279
4	Selective CO-to-acetate electroreduction via intermediate adsorption tuning on ordered Cu@Pd sites. Nature Catalysis, 2022, 5, 251-258.	34.4	118
5	Polyvinylpyrrolidone-Coordinated Single-Site Platinum Catalyst Exhibits High Activity for Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2020, 59, 15902-15907.	13.8	80
6	Janus Mesoporous Sensor Devices for Simultaneous Multivariable Gases Detection. Matter, 2019, 1, 1274-1284.	10.0	45
7	Beyond Mean-Field Microkinetics: Toward Accurate and Efficient Theoretical Modeling in Heterogeneous Catalysis. ACS Catalysis, 2018, 8, 5816-5826.	11.2	41
8	Bistability for CO Oxidation: An Understanding from Extended Phenomenological Kinetics Simulations. ACS Catalysis, 2019, 9, 11116-11124.	11.2	19
9	An accurate single descriptor for ion-π interactions. National Science Review, 2020, 7, 1036-1045.	9.5	16
10	Polyvinylpyrrolidone-Coordinated Single-Site Platinum Catalyst Exhibits High Activity for Hydrogen Evolution Reaction. Angewandte Chemie, 2020, 132, 16036-16041.	2.0	11
11	New Insights into the Ion-Specific Behaviors and Design Strategies for Ion-π Interactions. CCS Chemistry, 2021, 3, 904-915.	7.8	10
12	Dynamic and Intermediate-Specific Local Coverage Controls the Syngas Conversion on Rh(111) Surfaces: An <i>Operando</i> Theoretical Analysis. ACS Catalysis, 2021, 11, 3830-3841.	11.2	9
13	Coverage-Dependent Microkinetics in Heterogeneous Catalysis Powered by the Maximum Rate Analysis. ACS Catalysis, 2021, 11, 9333-9344.	11.2	9
14	Theoretical analysis of an anion-π complex: I ⁻ -C ₆ F ₆ . Chinese Journal of Chemical Physics, 2020, 33, 285-290.	1.3	3
15	Theory-Guided Design of Anode Catalysts for Hydrogenous Liquid Fuels. Journal of Physical Chemistry C, 2020, 124, 17494-17502.	3.1	1