

Zheng Chen

List of Publications by Year in descending order

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15
papers

1,453
citations

933447

10
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996975

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16
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16
docs citations

16
times ranked

2067
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective CO-to-acetate electroreduction via intermediate adsorption tuning on ordered Cu ²⁺ /Pd sites. <i>Nature Catalysis</i> , 2022, 5, 251-258.	34.4	118
2	New Insights into the Ion-Specific Behaviors and Design Strategies for Ion ⁺ / ⁻ Interactions. <i>CCS Chemistry</i> , 2021, 3, 904-915.	7.8	10
3	Dynamic and Intermediate-Specific Local Coverage Controls the Syngas Conversion on Rh(111) Surfaces: An <i>Operando</i> Theoretical Analysis. <i>ACS Catalysis</i> , 2021, 11, 3830-3841.	11.2	9
4	Coverage-Dependent Microkinetics in Heterogeneous Catalysis Powered by the Maximum Rate Analysis. <i>ACS Catalysis</i> , 2021, 11, 9333-9344.	11.2	9
5	Theoretical analysis of an anion- π complex: $I^{\sim} \cdot C_6F_6$. <i>Chinese Journal of Chemical Physics</i> , 2020, 33, 285-290.	1.3	3
6	Theory-Guided Design of Anode Catalysts for Hydrogenous Liquid Fuels. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17494-17502.	3.1	1
7	Polyvinylpyrrolidone ⁻ Coordinated Single-Site Platinum Catalyst Exhibits High Activity for Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15902-15907.	13.8	80
8	Polyvinylpyrrolidone ⁻ Coordinated Single-Site Platinum Catalyst Exhibits High Activity for Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2020, 132, 16036-16041.	2.0	11
9	An accurate single descriptor for ion ⁺ / ⁻ interactions. <i>National Science Review</i> , 2020, 7, 1036-1045.	9.5	16
10	Boosting CO ₂ Electroreduction to CH ₄ via Tuning Neighboring Single-Copper Sites. <i>ACS Energy Letters</i> , 2020, 5, 1044-1053.	17.4	326
11	Doping strain induced bi-Ti ³⁺ pairs for efficient N ₂ activation and electrocatalytic fixation. <i>Nature Communications</i> , 2019, 10, 2877.	12.8	279
12	Bistability for CO Oxidation: An Understanding from Extended Phenomenological Kinetics Simulations. <i>ACS Catalysis</i> , 2019, 9, 11116-11124.	11.2	19
13	Janus Mesoporous Sensor Devices for Simultaneous Multivariable Gases Detection. <i>Matter</i> , 2019, 1, 1274-1284.	10.0	45
14	Beyond Mean-Field Microkinetics: Toward Accurate and Efficient Theoretical Modeling in Heterogeneous Catalysis. <i>ACS Catalysis</i> , 2018, 8, 5816-5826.	11.2	41
15	Single-Atomic Cu with Multiple Oxygen Vacancies on Ceria for Electrocatalytic CO ₂ Reduction to CH ₄ . <i>ACS Catalysis</i> , 2018, 8, 7113-7119.	11.2	486