

Hai-Bo Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

405
citations

1039406

9
h-index

794141

19
g-index

22
all docs

22
docs citations

22
times ranked

850
citing authors

#	ARTICLE	IF	CITATIONS
1	Mo-Based Ultrasmall Nanoparticles on Hierarchical Carbon Nanosheets for Superior Lithium Ion Storage and Hydrogen Generation Catalysis. <i>Advanced Energy Materials</i> , 2017, 7, 1602782.	10.2	123
2	Continuous oxygen vacancy engineering of the Co ₃ O ₄ layer for an enhanced alkaline electrocatalytic hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13506-13510.	5.2	78
3	Salt-Templating Protocol To Realize Few-Layered Ultrasmall MoS ₂ Nanosheets Inlayed into Carbon Frameworks for Superior Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1148-1153.	3.2	39
4	L1 ₂ Atomic Ordered Substrate Enhanced Pt-Skin Cu ₃ Pt Catalyst for Efficient Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38015-38023.	4.0	28
5	Evolution mechanism of surface hydroxyl groups of silica during heat treatment. <i>Applied Surface Science</i> , 2020, 513, 145766.	3.1	20
6	Locally-ordered PtNiPb ternary nano-pompons as efficient bifunctional oxygen reduction and methanol oxidation catalysts. <i>Nanoscale</i> , 2019, 11, 16945-16953.	2.8	18
7	Zinc oxide with dominant (100) facets boosts vulcanization activity. <i>European Polymer Journal</i> , 2019, 113, 148-154.	2.6	15
8	An ultrasonic atomization spray strategy for constructing hydrophobic and hydrophilic synergistic surfaces as gas diffusion layers for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2020, 451, 227784.	4.0	12
9	Identifying Activity Trends for the Electrochemical Production of H ₂ O ₂ on M ⁺ -N ⁻ C Single-Atom Catalysts Using Theoretical Kinetic Computations. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10388-10398.	1.5	12
10	A general carbon monoxide-assisted strategy for synthesizing one-nanometer-thick Pt-based nanowires as effective electrocatalysts. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 170-178.	5.0	10
11	Promoting the dispersibility of silica and interfacial strength of rubber/silica composites prepared by latex compounding. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49526.	1.3	9
12	Pt _{1.4} Ni(100) Tetrapods with Enhanced Oxygen Reduction Reaction Activity. <i>Catalysis Letters</i> , 2021, 151, 212-220.	1.4	7
13	Inactive step-edge Pt atoms boost oxygen reduction reaction by activating adsorbed hydrogen atoms. <i>Applied Surface Science</i> , 2020, 504, 144434.	3.1	6
14	Gas Diffusion Layer with a Regular Hydrophilic Structure Boosts the Power Density of Proton Exchange Membrane Fuel Cells via the Construction of Water Highways. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17578-17584.	4.0	6
15	Deposition of SnO ₂ on the Anatase TiO ₂ {105} Facets with High Photocatalytic Performance. <i>Chinese Journal of Chemistry</i> , 2013, 31, 1503-1507.	2.6	5
16	Evaluation of mixing performance for the industrial-scale radial multiple jets-in-crossflow mixing structure. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 141, 107534.	1.8	5
17	Synthesis of well-defined functional crystals by high temperature gas-phase reactions. <i>Science Bulletin</i> , 2014, 59, 2135-2143.	1.7	4
18	Computational fluid dynamics simulation and experimental analysis of ultrafine powder suspension. <i>Rare Metals</i> , 2020, 39, 850-860.	3.6	3

#	ARTICLE	IF	CITATIONS
19	Patterned catalyst layer boosts the performance of proton exchange membrane fuel cells by optimizing water management. Chinese Journal of Chemical Engineering, 2022, 44, 246-252.	1.7	3
20	The formation of steady gas film on the inner wall of the radial multiple jets-in-crossflow reactor. Chemical Engineering and Processing: Process Intensification, 2019, 143, 107617.	1.8	1
21	Synthesis of silica powder with high pore volume by skeleton reinforcement. Chinese Journal of Chemical Engineering, 2022, 42, 219-226.	1.7	1
22	Analyzing of mixing performance determination factors for the structure of radial multiple jets-in-crossflow. Chinese Journal of Chemical Engineering, 2019, 27, 2626-2634.	1.7	0