

Hai-Bo Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

405
citations

1039880

9
h-index

794469

19
g-index

22
all docs

22
docs citations

22
times ranked

850
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Synthesis of silica powder with high pore volume by skeleton reinforcement. Chinese Journal of Chemical Engineering, 2022, 42, 219-226.	1.7	1
3	Gas Diffusion Layer with a Regular Hydrophilic Structure Boosts the Power Density of Proton Exchange Membrane Fuel Cells via the Construction of Water Highways. ACS Applied Materials & Interfaces, 2022, 14, 17578-17584.	4.0	6
4	Identifying Activity Trends for the Electrochemical Production of H ₂ O ₂ on M ⁺ C Single-Atom Catalysts Using Theoretical Kinetic Computations. Journal of Physical Chemistry C, 2022, 126, 10388-10398.	1.5	12
5	Pt _{1.4} Ni(100) Tetrapods with Enhanced Oxygen Reduction Reaction Activity. Catalysis Letters, 2021, 151, 212-220.	1.4	7
6	Computational fluid dynamics simulation and experimental analysis of ultrafine powder suspension. Rare Metals, 2020, 39, 850-860.	3.6	3
7	Inactive step-edge Pt atoms boost oxygen reduction reaction by activating adsorbed hydrogen atoms. Applied Surface Science, 2020, 504, 144434.	3.1	6
8	Promoting the dispersibility of silica and interfacial strength of rubber/silica composites prepared by latex compounding. Journal of Applied Polymer Science, 2020, 137, 49526.	1.3	9
9	A general carbon monoxide-assisted strategy for synthesizing one-nanometer-thick Pt-based nanowires as effective electrocatalysts. Journal of Colloid and Interface Science, 2020, 572, 170-178.	5.0	10
10	Evolution mechanism of surface hydroxyl groups of silica during heat treatment. Applied Surface Science, 2020, 513, 145766.	3.1	20
11	An ultrasonic atomization spray strategy for constructing hydrophobic and hydrophilic synergistic surfaces as gas diffusion layers for proton exchange membrane fuel cells. Journal of Power Sources, 2020, 451, 227784.	4.0	12
12	Locally-ordered PtNiPb ternary nano-pompons as efficient bifunctional oxygen reduction and methanol oxidation catalysts. Nanoscale, 2019, 11, 16945-16953.	2.8	18
13	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
14	Zinc oxide with dominant (100) facets boosts vulcanization activity. European Polymer Journal, 2019, 113, 148-154.	2.6	15
15	Evaluation of mixing performance for the industrial-scale radial multiple jets-in-crossflow mixing structure. Chemical Engineering and Processing: Process Intensification, 2019, 141, 107534.	1.8	5
16	Continuous oxygen vacancy engineering of the Co ₃ O ₄ layer for an enhanced alkaline electrocatalytic hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 13506-13510.	5.2	78
17	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
18	L ₂ Atomic Ordered Substrate Enhanced Pt-Skin Cu ₃ Pt Catalyst for Efficient Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2018, 10, 38015-38023.	4.0	28

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Synthesis of well-defined functional crystals by high temperature gas-phase reactions. <i>Science Bulletin</i> , 2014, 59, 2135-2143.	1.7	4
22	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