

Gao-Feng Chen

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

5,750
citations

331259

21
h-index

500791

28
g-index

29
all docs

29
docs citations

29
times ranked

6660
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and Stable Bifunctional Electrocatalysts Ni _x /M _y (M = Ti, Zr, Hf) for Oxygen Evolution and Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 10784-10794.	11.0	826
2	Electrochemical reduction of nitrate to ammonia via direct eight-electron transfer using a copper-based molecular solid catalyst. <i>Nature Energy</i> , 2020, 5, 605-613.	19.8	722
3	Efficient Electrocatalytic N ₂ Fixation with MXene under Ambient Conditions. <i>Joule</i> , 2019, 3, 279-289.	11.7	577
4	Molybdenum Carbide Nanodots Enable Efficient Electrocatalytic Nitrogen Fixation under Ambient Conditions. <i>Advanced Materials</i> , 2018, 30, e1803694.	11.1	572
5	Ammonia Electrosynthesis with High Selectivity under Ambient Conditions via a Li ⁺ Incorporation Strategy. <i>Journal of the American Chemical Society</i> , 2017, 139, 9771-9774.	6.6	547
6	Ammonia Synthesis Under Ambient Conditions: Selective Electroreduction of Dinitrogen to Ammonia on Black Phosphorus Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2612-2616.	7.2	420
7	Advances in Electrocatalytic N ₂ Reduction—Strategies to Tackle the Selectivity Challenge. <i>Small Methods</i> , 2019, 3, 1800337.	4.6	387
8	Comprehensive Understanding of the Thriving Ambient Electrochemical Nitrogen Reduction Reaction. <i>Advanced Materials</i> , 2021, 33, e2007650.	11.1	229
9	Hierarchical NiCo ₂ O ₄ nanosheet-decorated carbon nanotubes towards highly efficient electrocatalyst for water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19314-19321.	5.2	182
10	A Porous Perchlorate-Doped Polypyrrole Nanocoating on Nickel Nanotube Arrays for Stable Wide-Potential-Window Supercapacitors. <i>Advanced Materials</i> , 2016, 28, 7680-7687.	11.1	180
11	Ammonia Synthesis Under Ambient Conditions: Selective Electroreduction of Dinitrogen to Ammonia on Black Phosphorus Nanosheets. <i>Angewandte Chemie</i> , 2019, 131, 2638-2642.	1.6	162
12	g-C ₃ N ₄ decorated ZnO nanorod arrays for enhanced photoelectrocatalytic performance. <i>Applied Surface Science</i> , 2015, 358, 296-303.	3.1	154
13	One dimensionally spinel NiCo ₂ O ₄ nanowire arrays: facile synthesis, water oxidation, and magnetic properties. <i>Electrochimica Acta</i> , 2015, 174, 1216-1224.	2.6	135
14	Low-Voltage Electrolytic Hydrogen Production Derived from Efficient Water and Ethanol Oxidation on Fluorine-Modified FeOOH Anode. <i>ACS Catalysis</i> , 2018, 8, 526-530.	5.5	116
15	Building layered Ni _x Co _{2-x} (OH) ₆ nanosheets decorated three-dimensional Ni frameworks for electrochemical applications. <i>Journal of Power Sources</i> , 2016, 317, 1-9.	4.0	94
16	Hierarchical polypyrrole based composites for high performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2015, 283, 484-493.	4.0	93
17	Amorphous MnO ₂ supported on 3D-Ni nanodendrites for large areal capacitance supercapacitors. <i>Electrochimica Acta</i> , 2014, 149, 341-348.	2.6	84
18	Polypyrrole Shell@3D-Ni Metal Core Structured Electrodes for High-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2015, 21, 4614-4621.	1.7	82

#	ARTICLE	IF	CITATIONS
19	Advanced Non-metallic Catalysts for Electrochemical Nitrogen Reduction under Ambient Conditions. Chemistry - A European Journal, 2019, 25, 12464-12485.	1.7	57
20	Confined heat treatment of a Prussian blue analogue for enhanced electrocatalytic oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 15942-15946.	5.2	47
21	Self-Supported Amorphous-Edge Nickel Sulfide Nanobrush for Excellent Energy Storage. Electrochimica Acta, 2017, 255, 153-159.	2.6	40
22	Nitrogen Reduction Reaction: Molybdenum Carbide Nanodots Enable Efficient Electrocatalytic Nitrogen Fixation under Ambient Conditions (Adv. Mater. 46/2018). Advanced Materials, 2018, 30, 1870350.	11.1	14
23	Saving the Energy Loss in Lithium-Mediated Nitrogen Fixation by Using a Highly Reactive Li_3N Intermediate for C^{\sim}N Coupling Reactions. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
24	Saving the Energy Loss in Lithium-Mediated Nitrogen Fixation by Using a Highly Reactive Li_3N Intermediate for C^{\sim}N Coupling Reactions. Angewandte Chemie, 2022, 134, .	1.6	3
25	Frontispiece: Advanced Non-metallic Catalysts for Electrochemical Nitrogen Reduction under Ambient Conditions. Chemistry - A European Journal, 2019, 25, .	1.7	1
26	Innentitelbild: Ammonia Synthesis Under Ambient Conditions: Selective Electroreduction of Dinitrogen to Ammonia on Black Phosphorus Nanosheets (Angew. Chem. 9/2019). Angewandte Chemie, 2019, 131, 2550-2550.	1.6	0