

Jiexin Zhu

List of Publications by Year in descending order

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papers

2,627
citations

236925

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395702

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docs citations

34
times ranked

2674
citing authors

#	ARTICLE	IF	CITATIONS
1	The Marriage of the FeN ₄ Moiety and MXene Boosts Oxygen Reduction Catalysis: Fe 3d Electron Delocalization Matters. <i>Advanced Materials</i> , 2018, 30, e1803220.	21.0	289
2	Bismuth Oxides with Enhanced Bismuth-Oxygen Structure for Efficient Electrochemical Reduction of Carbon Dioxide to Formate. <i>ACS Catalysis</i> , 2020, 10, 743-750.	11.2	234
3	Comprehensive Understandings into Complete Reconstruction of Precatalysts: Synthesis, Applications, and Characterizations. <i>Advanced Materials</i> , 2021, 33, e2007344.	21.0	198
4	Ultrafine Nickel-Nanoparticle-Enabled SiO ₂ Hierarchical Hollow Spheres for High-Performance Lithium Storage. <i>Advanced Functional Materials</i> , 2018, 28, 1704561.	14.9	193
5	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. <i>Nature Catalysis</i> , 2022, 5, 300-310.	34.4	175
6	MOF Encapsulating N-Heterocyclic Carbene-Ligated Copper Single-Atom Site Catalyst towards Efficient Methane Electrosynthesis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	170
7	Lewis Acid Site-Promoted Single-Atomic Cu Catalyzes Electrochemical CO ₂ Methanation. <i>Nano Letters</i> , 2021, 21, 7325-7331.	9.1	133
8	Atomically dispersed nonmagnetic electron traps improve oxygen reduction activity of perovskite oxides. <i>Energy and Environmental Science</i> , 2021, 14, 1016-1028.	30.8	130
9	Highly Selective Carbon Dioxide Electroreduction on Structure-Evolved Copper Perovskite Oxide toward Methane Production. <i>ACS Catalysis</i> , 2020, 10, 4640-4646.	11.2	112
10	ZnSe Microsphere/Multiwalled Carbon Nanotube Composites as High-Rate and Long-Life Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19626-19632.	8.0	111
11	Porous and Low-Crystalline Manganese Silicate Hollow Spheres Wired by Graphene Oxide for High-Performance Lithium and Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24584-24590.	8.0	79
12	Hierarchical N-doped carbon spheres anchored with cobalt nanocrystals and single atoms for oxygen reduction reaction. <i>Nano Energy</i> , 2021, 87, 106153.	16.0	76
13	Engineering Water Molecules Activation Center on Multisite Electrocatalysts for Enhanced CO ₂ Methanation. <i>Journal of the American Chemical Society</i> , 2022, 144, 12807-12815.	13.7	74
14	Copper silicate nanotubes anchored on reduced graphene oxide for long-life lithium-ion battery. <i>Energy Storage Materials</i> , 2017, 7, 152-156.	18.0	67
15	Electrocatalytic Reactions for Converting CO ₂ to Value-Added Products. <i>Small Science</i> , 2021, 1, 2100043.	9.9	66
16	Dynamic Restructuring of Coordinatively Unsaturated Copper Paddle Wheel Clusters to Boost Electrochemical CO ₂ Reduction to Hydrocarbons**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	61
17	MOF derived bimetallic CuBi catalysts with ultra-wide potential window for high-efficient electrochemical reduction of CO ₂ to formate. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120571.	20.2	55
18	High Energy Density Micro-Supercapacitor Based on a Three-Dimensional Bicontinuous Porous Carbon with Interconnected Hierarchical Pores. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 948-956.	8.0	42

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19	Confining Ultrafine MoO ₂ in a Carbon Matrix Enables Hybrid Li Ion and Li Metal Storage. ACS Applied Materials & Interfaces, 2020, 12, 40648-40654.	8.0	40
20	Metal-organic framework-derived cupric oxide polycrystalline nanowires for selective carbon dioxide electroreduction to C2 valuables. Journal of Materials Chemistry A, 2020, 8, 12418-12423.	10.3	38
21	Ni/Fe based bimetallic coordination complexes with rich active sites for efficient oxygen evolution reaction. Chemical Engineering Journal, 2021, 405, 126959.	12.7	38
22	Micrometer-Sized Porous Fe ₂ N/C Bulk for High-Areal Capacity and Stable Lithium Storage. Small, 2019, 15, e1803572.	10.0	31
23	Ultrathin Metal Silicate Hydroxide Nanosheets with Moderate Metal-Oxygen Covalency Enables Efficient Oxygen Evolution. Energy and Environmental Materials, 2022, 5, 231-237.	12.8	28
24	Improved zinc-ion storage performance of the metal-free organic anode by the effect of binder. Chemical Engineering Journal, 2022, 428, 131092.	12.7	28
25	Efficient carboxylation of styrene and carbon dioxide by single-atomic copper electrocatalyst. Journal of Colloid and Interface Science, 2021, 601, 378-384.	9.4	27
26	Facile Synthesis of Bi ₂ S ₃ @SiO ₂ Core-Shell Microwires as High-Performance Anode Materials for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A6110-A6115.	2.9	26
27	Carbon sustained SnO ₂ -Bi ₂ O ₃ hollow nanofibers as Janus catalyst for high-efficiency CO ₂ electroreduction. Chemical Engineering Journal, 2021, 426, 131867.	12.7	24
28	Activating Inert Sites in Cobalt Silicate Hydroxides for Oxygen Evolution through Atomically Doping. Energy and Environmental Materials, 2022, 5, 655-661.	12.8	21
29	Carboxyl functionalized carbon incorporation of stacked ultrathin NiO nanosheets: topological construction and superior lithium storage. Nanoscale, 2019, 11, 7588-7594.	5.6	17
30	MOF Encapsulating N-Heterocyclic Carbene-Ligated Copper Single-Atom Site Catalyst towards Efficient Methane Electrosynthesis. Angewandte Chemie, 2022, 134, e202114450.	2.0	15
31	Regulating Lattice-Water Adsorbed Ions to Optimize Intercalation Potential in 3D Prussian Blue Based Multi-Ion Microbattery. Small, 2021, 17, e2007791.	10.0	12
32	Advances in Understanding the Electrocatalytic Reconstruction Chemistry of Coordination Compounds. Small, 2021, 17, e2100629.	10.0	10
33	Liquid Phase-Induced Solid Solution Phase Mechanisms for Highly Stable and Ultrafast Energy Storage. Advanced Energy Materials, 2021, 11, 2102342.	19.5	6