

Zhiguo Du

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,026
citations

279798

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454955

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30
times ranked

4047
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Zn ²⁺ Intercalation and Deintercalation in Vanadium Dioxide. <i>Advanced Materials</i> , 2018, 30, e1800762.	21.0	485
2	Ultrastable In-plane 1T ^{2H} MoS ₂ Heterostructures for Enhanced Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018, 8, 1801345.	19.5	409
3	Single Zinc Atoms Immobilized on MXene (Ti ₃ C ₂ Cl _x) Layers toward Dendrite-Free Lithium Metal Anodes. <i>ACS Nano</i> , 2020, 14, 891-898.	14.6	174
4	Liquid-Phase Exfoliated Metallic Antimony Nanosheets toward High Volumetric Sodium Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1700447.	19.5	172
5	Unlocking the Potential of Disordered Rocksalts for Aqueous Zinc-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1904369.	21.0	171
6	Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. <i>Nature</i> , 2020, 577, 492-496.	27.8	145
7	Dendrite-Free Metallic Lithium in Lithiophilic Carbonized Metal-Organic Frameworks. <i>Advanced Energy Materials</i> , 2018, 8, 1703505.	19.5	144
8	Selective Etching Quaternary MAX Phase toward Single Atom Copper Immobilized MXene (Ti ₃ C ₂ Cl _x) for Efficient CO ₂ Electroreduction to Methanol. <i>ACS Nano</i> , 2021, 15, 4927-4936.	14.6	139
9	Homogeneous guiding deposition of sodium through main group II metals toward dendrite-free sodium anodes. <i>Science Advances</i> , 2019, 5, eaau6264.	10.3	130
10	Tin Intercalated Ultrathin MoO ₃ Nanoribbons for Advanced Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803137.	19.5	126
11	High-Entropy Atomic Layers of Transition-Metal Carbides (MXenes). <i>Advanced Materials</i> , 2021, 33, e2101473.	21.0	122
12	Pyridinic Nitrogen-Enriched Carbon Nanogears with Thin Teeth for Superior Lithium Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1600917.	19.5	116
13	Charge-Enriched Strategy Based on MXene-Based Polypyrrole Layers Toward Dendrite-Free Zinc Metal Anodes. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	108
14	High-Entropy Carbonitride MAX Phases and Their Derivative MXenes. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	69
15	Perpendicular MXene Arrays with Periodic Interspaces toward Dendrite-Free Lithium Metal Anodes with High-Rate Capabilities. <i>Advanced Functional Materials</i> , 2020, 30, 1908075.	14.9	68
16	3D-Printed Hierarchical Porous Frameworks for Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41871-41877.	8.0	67
17	Stress-Release Functional Liquid Metal-MXene Layers toward Dendrite-Free Zinc Metal Anodes. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	58
18	Multi-Atomic Layers of Metallic Aluminum for Ultralong Life Lithium Storage with High Volumetric Capacity. <i>Advanced Functional Materials</i> , 2017, 27, 1700840.	14.9	50

#	ARTICLE	IF	CITATIONS
19	Single-Atom Sites on MXenes for Energy Conversion and Storage. <i>Small Science</i> , 2021, 1, 2100017.	9.9	48
20	Tortuosity Modulation toward High-Energy and High-Power Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003663.	19.5	46
21	Harnessing the Unique Features of 2D Materials toward Dendrite-free Metal Anodes. <i>Energy and Environmental Materials</i> , 2022, 5, 45-67.	12.8	33
22	High-Throughput Production of 1T MoS ₂ Monolayers Based on Controllable Conversion of Mo-Based MXenes. <i>ACS Nano</i> , 2021, 15, 19275-19283.	14.6	32
23	Zinc anode with artificial solid electrolyte interface for dendrite-free Ni-Zn secondary battery. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 174-179.	9.4	25
24	Atomic Layers of MoO ₂ with Exposed High-Energy (010) Facets for Efficient Oxygen Reduction. <i>Small</i> , 2018, 14, e1703960.	10.0	22
25	A perspective on high-entropy two-dimensional materials. <i>SusMat</i> , 2022, 2, 65-75.	14.9	19
26	Rapid and Low-Temperature Salt-Templated Production of 2D Metal Oxide/Oxychloride/Hydroxide. <i>Small</i> , 2019, 15, e1904587.	10.0	17
27	Strategies for engineering the MXenes toward highly active catalysts. <i>Materials Today Nano</i> , 2021, 13, 100104.	4.6	10
28	Few-layer tin-antimony nanosheets: a novel 2D alloy for superior lithium storage. <i>Chemical Communications</i> , 2019, 55, 3975-3978.	4.1	8
29	2D Non-Van Der Waals Transition-Metal Chalcogenide Layers Derived from Vanadium-Based MAX Phase for Ultrafast Zinc Storage. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	8
30	Fast Cryomediated Dynamic Equilibrium Hydrolysates towards Grain Boundary-Enriched Platinum Scaffolds for Efficient Methanol Oxidation. <i>Research</i> , 2019, 2019, 8174314.	5.7	5