

# Min Zhou

## List of Publications by Year in descending order

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93  
papers

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citations

41258

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35952

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docs citations

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times ranked

16964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect-Rich MoS <sub>2</sub> Ultrathin Nanosheets with Additional Active Edge Sites for Enhanced Electrocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2013, 25, 5807-5813.	11.1	2,705
2	Ultrathin Spinel-Structured Nanosheets Rich in Oxygen Deficiencies for Enhanced Electrocatalytic Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7399-7404.	7.2	1,118
3	Vacancy Associates Promoting Solar-Driven Photocatalytic Activity of Ultrathin Bismuth Oxychloride Nanosheets. <i>Journal of the American Chemical Society</i> , 2013, 135, 10411-10417.	6.6	1,091
4	Highly nitrogen doped carbon nanofibers with superior rate capability and cyclability for potassium ion batteries. <i>Nature Communications</i> , 2018, 9, 1720.	5.8	871
5	Potassium Prussian Blue Nanoparticles: A Low-Cost Cathode Material for Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1604307.	7.8	411
6	Extended $\pi$ -Conjugated System for Fast-Charge and -Discharge Sodium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2015, 137, 3124-3130.	6.6	361
7	First-Row Transition Metal Based Catalysts for the Oxygen Evolution Reaction under Alkaline Conditions: Basic Principles and Recent Advances. <i>Small</i> , 2017, 13, 1701931.	5.2	352
8	Engineering sulfur vacancies and impurities in NiCo <sub>2</sub> S <sub>4</sub> nanostructures toward optimal supercapacitive performance. <i>Nano Energy</i> , 2016, 26, 313-323.	8.2	345
9	Two-dimensional nanosheets for photoelectrochemical water splitting: Possibilities and opportunities. <i>Nano Today</i> , 2013, 8, 598-618.	6.2	326
10	Large-scale highly ordered Sb nanorod array anodes with high capacity and rate capability for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2015, 8, 2954-2962.	15.6	294
11	Photoelectrodes Based upon Mo:BiVO <sub>4</sub> Inverse Opals for Photoelectrochemical Water Splitting. <i>ACS Nano</i> , 2014, 8, 7088-7098.	7.3	289
12	Layer-by-layer $\text{Ni}(\text{OH})_2/\text{graphene}$ nanohybrids for ultraflexible all-solid-state thin-film supercapacitors with high electrochemical performance. <i>Nano Energy</i> , 2013, 2, 65-74.	8.2	271
13	Nanosized Na <sub>4</sub> Fe(CN) <sub>6</sub> /C Composite as a Low-Cost and High-Rate Cathode Material for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2012, 2, 410-414.	10.2	257
14	In Situ Generation of Few-Layer Graphene Coatings on SnO <sub>2</sub> @SiC Core-Shell Nanoparticles for High-Performance Lithium-Ion Storage. <i>Advanced Energy Materials</i> , 2012, 2, 95-102.	10.2	233
15	Organic materials for rechargeable sodium-ion batteries. <i>Materials Today</i> , 2018, 21, 60-78.	8.3	228
16	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8768-8771.	7.2	180
17	Ordered Macroporous BiVO <sub>4</sub> Architectures with Controllable Dual Porosity for Efficient Solar Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8579-8583.	7.2	179
18	Nanoarchitected Array Electrodes for Rechargeable Lithium- and Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1502514.	10.2	169

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19	Manipulation of Disodium Rhodizonate: Factors for Fast Charge and Fast Discharge Sodium Ion Batteries with Long-Term Cyclability. <i>Advanced Functional Materials</i> , 2016, 26, 1777-1786.	7.8	149
20	Highly Ordered Three-Dimensional Ni-TiO <sub>2</sub> Nanoarrays as Sodium Ion Battery Anodes. <i>Chemistry of Materials</i> , 2015, 27, 4274-4280.	3.2	140
21	Redox-Active Fe(CN) <sub>6</sub> <sup>4-</sup> -Doped Conducting Polymers with Greatly Enhanced Capacity as Cathode Materials for Li Ion Batteries. <i>Advanced Materials</i> , 2011, 23, 4913-4917.	11.1	128
22	Periodic porous thermochromic VO <sub>2</sub> (M) films with enhanced visible transmittance. <i>Chemical Communications</i> , 2013, 49, 6021.	2.2	115
23	MXene-Derived Ti <sub>n</sub> O <sub>2</sub> <sup>n+</sup> Quantum Dots Distributed on Porous Carbon Nanosheets for Stable and Long-Life Li-S Batteries: Enhanced Polysulfide Mediation via Defect Engineering. <i>Advanced Materials</i> , 2021, 33, e2008447.	11.1	115
24	New-phase VO <sub>2</sub> micro/nanostructures: investigation of phase transformation and magnetic property. <i>New Journal of Chemistry</i> , 2012, 36, 619-625.	1.4	108
25	Enhancing potassium-ion battery performance by defect and interlayer engineering. <i>Nanoscale Horizons</i> , 2019, 4, 202-207.	4.1	105
26	Efficient Water Splitting via a Heteroepitaxial BiVO <sub>4</sub> Photoelectrode Decorated with Co-Pi Catalysts. <i>ChemSusChem</i> , 2012, 5, 1420-1425.	3.6	104
27	Amorphous TiO <sub>2</sub> inverse opal anode for high-rate sodium ion batteries. <i>Nano Energy</i> , 2017, 31, 514-524.	8.2	103
28	Self-Supported Metallic Nanopore Arrays with Highly Oriented Nanoporous Structures as Ideally Nanostructured Electrodes for Supercapacitor Applications. <i>Advanced Materials</i> , 2014, 26, 7654-7659.	11.1	97
29	Template-directed construction of nanostructure arrays for highly-efficient energy storage and conversion. <i>Nano Energy</i> , 2015, 13, 790-813.	8.2	95
30	Oxygen vacancies: Effective strategy to boost sodium storage of amorphous electrode materials. <i>Nano Energy</i> , 2017, 38, 304-312.	8.2	92
31	All-solid-state flexible thin-film supercapacitors with high electrochemical performance based on a two-dimensional V <sub>2</sub> O <sub>5</sub> -H <sub>2</sub> O/graphene composite. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10876.	5.2	82
32	A sulfonated polyaniline with high density and high rate Na-storage performances as a flexible organic cathode for sodium ion batteries. <i>Chemical Communications</i> , 2015, 51, 14354-14356.	2.2	80
33	A Selectively Permeable Membrane for Enhancing Cyclability of Organic Sodium Ion Batteries. <i>Advanced Materials</i> , 2016, 28, 9182-9187.	11.1	77
34	Unexpected intercalation-dominated potassium storage in WS <sub>2</sub> as a potassium-ion battery anode. <i>Nano Research</i> , 2019, 12, 2997-3002.	5.8	77
35	Electroactive organic anion-doped polypyrrole as a low cost and renewable cathode for sodium ion batteries. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 114-118.	2.4	76
36	Plasma-Introduced Oxygen Defects Confined in Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Nanosheets for Boosting Lithium-Ion Diffusion. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17384-17392.	4.0	72

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37	Cost-effective Atomic Layer Deposition Synthesis of Pt Nanotube Arrays: Application for High Performance Supercapacitor. <i>Small</i> , 2014, 10, 3162-3168.	5.2	71
38	Heterogeneous nanostructure array for electrochemical energy conversion and storage. <i>Nano Today</i> , 2018, 20, 33-57.	6.2	68
39	Fe(CN) <sub>6</sub> <sup>4-</sup> -doped polypyrrole: a high-capacity and high-rate cathode material for sodium-ion batteries. <i>RSC Advances</i> , 2012, 2, 5495.	1.7	64
40	CuInSe <sub>2</sub> ultrathin nanoplatelets: novel self-sacrificial template-directed synthesis and application for flexible photodetectors. <i>Chemical Communications</i> , 2012, 48, 9162.	2.2	63
41	Nanoengineering Energy Conversion and Storage Devices via Atomic Layer Deposition. <i>Advanced Energy Materials</i> , 2016, 6, 1600468.	10.2	63
42	Facile Tailoring of Multidimensional Nanostructured Sb for Sodium Storage Applications. <i>ACS Nano</i> , 2019, 13, 9533-9540.	7.3	62
43	Self-Supported Bi <sub>2</sub> MoO <sub>6</sub> Nanowall for Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23647-23653.	4.0	59
44	Ammonium Vanadium Bronze as a Potassium-ion Battery Cathode with High Rate Capability and Cyclability. <i>Small Methods</i> , 2019, 3, 1800349.	4.6	58
45	Facile synthesis of hierarchical fern leaf-like Sb and its application as an additive-free anode for fast reversible Na-ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1749-1755.	5.2	55
46	A highly efficient visible-light driven photocatalyst: two dimensional square-like bismuth oxyiodine nanosheets. <i>Dalton Transactions</i> , 2014, 43, 9549-9556.	1.6	54
47	MoS <sub>2</sub> @rGO Nanoflakes as High Performance Anode Materials in Sodium Ion Batteries. <i>Scientific Reports</i> , 2017, 7, 7963.	1.6	53
48	Understanding the Orderliness of Atomic Arrangement toward Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1600448.	10.2	52
49	Observation of defect state in highly ordered titanium dioxide nanotube arrays. <i>Nanotechnology</i> , 2014, 25, 275603.	1.3	48
50	Heterostructural Ag <sub>3</sub> PO <sub>4</sub> /UiO-66 composite for highly efficient visible-light photocatalysts with long-term stability. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 376, 305-315.	2.0	48
51	Bismuth oxychloride nanoflake assemblies as a new anode for potassium ion batteries. <i>Chemical Communications</i> , 2019, 55, 6507-6510.	2.2	47
52	Carbon-coated Mo <sub>3</sub> Sb <sub>7</sub> composite as anode material for sodium ion batteries with long cycle life. <i>Journal of Power Sources</i> , 2016, 307, 173-180.	4.0	46
53	Li <sub>0.3</sub> V <sub>2</sub> O <sub>5</sub> with high lithium diffusion rate: a promising anode material for aqueous lithium-ion batteries with superior rate performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5423.	5.2	45
54	Hierarchical Sb-Ni nanoarrays as robust binder-free anodes for high-performance sodium-ion half and full cells. <i>Nano Research</i> , 2017, 10, 3189-3201.	5.8	45

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55	Investigation of alkali-ion (Li, Na and K) intercalation in manganese hexacyanoferrate $K_xMnFe(CN)_6$ as cathode material. <i>Chemical Engineering Journal</i> , 2020, 396, 125269.	6.6	44
56	A polyimide@MWCNTs composite as high performance anode for aqueous Na-ion batteries. <i>RSC Advances</i> , 2016, 6, 53319-53323.	1.7	41
57	MoS <sub>2</sub> nanosheets with expanded interlayer spacing for enhanced sodium storage. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3099-3105.	3.0	41
58	Interstitial boron-doped mesoporous semiconductor oxides for ultratransparent energy storage. <i>Nature Communications</i> , 2021, 12, 445.	5.8	41
59	<i>c</i> -oriented and {010} Facets Exposed BiVO <sub>4</sub> Nanowall Films: Template-Free Fabrication and their Enhanced Photoelectrochemical Properties. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2515-2523.	1.7	35
60	All-in-one surface engineering strategy on nickel phosphide arrays towards a robust electrocatalyst for hydrogen evolution reaction. <i>Journal of Power Sources</i> , 2019, 429, 46-54.	4.0	33
61	The covalent Coordination-driven Bi <sub>2</sub> S <sub>3</sub> @NH <sub>2</sub> -MIL-125(Ti)-SH heterojunction with boosting photocatalytic CO <sub>2</sub> reduction and dye degradation performance. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1745-1757.	5.0	32
62	Rational design of the nanowall photoelectrode for efficient solar water splitting. <i>Chemical Communications</i> , 2012, 48, 3439.	2.2	31
63	Self-assembled sandwich hollow porous carbon sphere @ MXene composites as superior LiS battery cathode hosts. <i>2D Materials</i> , 2020, 7, 025049.	2.0	28
64	Controlled synthesis and electrochemical properties of vanadium oxides with different nanostructures. <i>Bulletin of Materials Science</i> , 2012, 35, 369-376.	0.8	27
65	Electrospun Hierarchical LiV <sub>3</sub> O <sub>8</sub> Nanofibers Assembled from Nanosheets with Exposed {100} Facets and their Enhanced Performance in Aqueous Lithium-ion Batteries. <i>Chemistry - an Asian Journal</i> , 2012, 7, 565-571.	1.7	27
66	Intertwined Cu <sub>3</sub> V <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O nanowires/carbon fibers composite: A new anode with high rate capability for sodium-ion batteries. <i>Journal of Power Sources</i> , 2015, 294, 193-200.	4.0	26
67	Highly conjugated poly( <i>N</i> -heteroacene) nanofibers for reversible Na storage with ultra-high capacity and a long cycle life. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18592-18598.	5.2	26
68	Fabrication of Z-Scheme Heterojunction g-C <sub>3</sub> N <sub>4</sub> /Yb <sup>3+</sup> -Bi <sub>5</sub> O <sub>7</sub> I Photocatalysts with Enhanced Photocatalytic Performance under Visible Irradiation for Hg <sup>0</sup> Removal. <i>Energy &amp; Fuels</i> , 2020, 34, 16445-16455.	2.5	26
69	Photocatalytic Air Purification Using Functional Polymeric Carbon Nitrides. <i>Advanced Science</i> , 2021, 8, e2102376.	5.6	24
70	Stretchable, self-healable integrated conductor based on mechanical reinforced graphene/polyurethane composites. <i>Journal of Colloid and Interface Science</i> , 2021, 597, 393-400.	5.0	23
71	Visible-light driven boosting electron-hole separation in CsPbBr <sub>3</sub> QDs@2D Cu-TCP heterojunction and the efficient photoreduction of CO <sub>2</sub> . <i>Journal of Colloid and Interface Science</i> , 2022, 608, 3192-3203.	5.0	21
72	Macroscaled mesoporous calcium carbonate tetragonal prisms: top-down solid-phase fabrication and applications of phase-change material support matrices. <i>CrystEngComm</i> , 2010, 12, 3571.	1.3	20

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73	Electrical Conductivity Adjustment for Interface Capacitive-Like Storage in Sodium-Ion Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2101081.	7.8	19
74	Ultrafast Universal Fabrication of Metal-Organic Complex Nanosheets by Joule Heating Engineering. <i>Small Methods</i> , 2022, 6, e2101212.	4.6	19
75	High capacity and cycling stability of poly(diaminoanthraquinone) as an organic cathode for rechargeable lithium batteries. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 235-238.	2.4	16
76	Metallic Carbonitride MXene Based Photonic Hyperthermia for Tumor Therapy. <i>Small</i> , 2022, 18, e2200646.	5.2	16
77	Constructing Well-Ordered CdTe/TiO <sub>2</sub> Core/Shell Nanowire Arrays for Solar Energy Conversion. <i>Small</i> , 2016, 12, 5538-5542.	5.2	14
78	Programmable Multiple Plasmonic Resonances of Nanoparticle Superlattice for Enhancing Photoelectrochemical Activity. <i>Advanced Functional Materials</i> , 2020, 30, 2005170.	7.8	14
79	Experimental Study on the Influence of Surface Characteristics of Activated Carbon on Mercury Removal in Flue Gas. <i>Energy &amp; Fuels</i> , 2020, 34, 6168-6177.	2.5	13
80	Ordered nanostructures arrays fabricated by anodic aluminum oxide (AAO) template-directed methods for energy conversion. <i>Nanotechnology</i> , 2021, 32, 502006.	1.3	13
81	Paraffin Based Cathode-Electrolyte Interface for Highly Reversible Aqueous Zinc-Ion Battery. <i>ACS Applied Energy Materials</i> , 2022, 5, 4840-4849.	2.5	13
82	Artificial Cathode-Electrolyte Interphase towards High-Performance Lithium-Ion Batteries: A Case Study of $\text{I}^2\text{-AgVO}_3$ . <i>Nanomaterials</i> , 2021, 11, 569.	1.9	12
83	Enhanced hydrogen evolution reaction performance of MoS <sub>2</sub> by dual metal atoms doping. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 23191-23200.	3.8	12
84	Oxygen Vacancy Induced Boosted Visible-Light Driven Photocatalytic CO <sub>2</sub> Reduction and Electrochemical Water Oxidation Over CuCo-ZIF@Fe <sub>2</sub> O <sub>3</sub> @CC Architecture. <i>Small Methods</i> , 2022, 6, .	4.6	11
85	Dual-cation-doped MoS <sub>2</sub> nanosheets accelerating tandem alkaline hydrogen evolution reaction. <i>Nanotechnology</i> , 2021, 32, 445703.	1.3	10
86	Low temperature hydrothermal synthesis and electrochemical performances of LiFePO <sub>4</sub> microspheres as a cathode material for lithium-ion batteries. <i>Science Bulletin</i> , 2012, 57, 4164-4169.	1.7	6
87	MXene-based electromagnetic wave response. <i>JPhys Energy</i> , 2021, 3, 042001.	2.3	6
88	Rod-Shaped Bi <sub>2</sub> S <sub>3</sub> Supported on Flaky Carbon Nitride for Effective Removal of Elemental Mercury in Flue Gas. <i>Energy &amp; Fuels</i> , 2021, 35, 14634-14646.	2.5	6
89	In Situ Generation of Few-Layer Graphene Coatings on SnO <sub>2</sub> -SiC Core-Shell Nanoparticles for High-Performance Lithium-Ion Storage ( <i>Adv. Energy Mater.</i> 1/2012). <i>Advanced Energy Materials</i> , 2012, 2, 94-94.	10.2	5
90	Strong electronic coupled FeNi <sub>3</sub> /Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> nanohybrids for enhancing the electrocatalytic activity for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2791-2798.	3.0	5

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91	Interfacial modulation achieving a flexible anode of FeP/N-doped C@carbon cloth with a robust structure for high areal capacity lithium storage. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5247-5256.	2.5	4
92	Hierarchical Design in $\text{LiMn}_2\text{O}_4$ Particles for Advanced Hybrid Aqueous Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 7759-7766.	2.5	4
93	Gas-Flow-Assisted Wrinkle-Free Transfer of a Centimeter-Scale Ultrathin Alumina Membrane onto Arbitrary Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35124-35132.	4.0	2