

# Min Zhou

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85  
papers

10,114  
citations

42  
h-index

89  
g-index

89  
ext. papers

11,540  
ext. citations

11.4  
avg, IF

6.39  
L-index

#	Paper	IF	Citations
85	3D Spatial Combination of CN Vacancy-Mediated NiFe-PBA with N-Doped Carbon Nanofibers Network Toward Free-Standing Bifunctional Electrode for Zn-Air Batteries.. <i>Advanced Science</i> , <b>2022</b> , e2105925	13.6	5
84	MXene-Derived Ti O 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> , <b>2021</b> , 33, e2008447	24	44
83	Electrical Conductivity Adjustment for Interface Capacitive-Like Storage in Sodium-Ion Battery. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101081	15.6	8
82	Gas-Flow-Assisted Wrinkle-Free Transfer of a Centimeter-Scale Ultrathin Alumina Membrane onto Arbitrary Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 35124-35132	9.5	0
81	Low-valence titanium oxides synthesized by electric field control as novel conversion anodes for high performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10458-10465	13	3
80	Interstitial boron-doped mesoporous semiconductor oxides for ultratransparent energy storage. <i>Nature Communications</i> , <b>2021</b> , 12, 445	17.4	16
79	Hierarchical Design in LiMn2O4 Particles for Advanced Hybrid Aqueous Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 7759-7766	6.1	1
78	MXene-based electromagnetic wave response. <i>JPhys Energy</i> , <b>2021</b> , 3, 042001	4.9	2
77	Ordered nanostructures arrays fabricated by anodic aluminum oxide (AAO) template-directed methods for energy conversion. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	3
76	Strong electronic coupled FeNi3/Fe2(MoO4)3 nanohybrids for enhancing the electrocatalytic activity for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2791-2798	6.8	0
75	Ultrathin Na2Ti2O4(OH)2 nanowall for boosting sodium storage. <i>Materials Letters</i> , <b>2020</b> , 269, 127649	3.3	2
74	Self-assembled sandwich hollow porous carbon sphere @ MXene composites as superior LiS battery cathode hosts. <i>2D Materials</i> , <b>2020</b> , 7, 025049	5.9	21
73	High-Performance Manganese Hexacyanoferrate with Cubic Structure as Superior Cathode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908754	15.6	46
72	The role of mechanical pressure on dendritic surface toward stable lithium metal anode. <i>Nano Energy</i> , <b>2020</b> , 77, 105098	17.1	7
71	Electrochemical Properties and Kinetics of Asymmetric Sodium Benzene-1,2,4-tricarboxylate as an Anode Material for Sodium-Organic Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3517-3521	4.3	1
70	Designing a slope-dominated hybrid nanostructure hard carbon anode for high-safety and high-capacity Na-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22613-22619	13	4
69	Bismuth oxychloride nanoflake assemblies as a new anode for potassium ion batteries. <i>Chemical Communications</i> , <b>2019</b> , 55, 6507-6510	5.8	33

68	Polydiaminoanthraquinones with tunable redox properties as high performance organic cathodes for K-ion batteries. <i>Chemical Communications</i> , <b>2019</b> , 55, 6054-6057	5.8	21
67	Plasma-Introduced Oxygen Defects Confined in LiTiO Nanosheets for Boosting Lithium-Ion Diffusion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17384-17392	9.5	45
66	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> , <b>2019</b> , 376, 305-315	4.7	35
65	Experimental design and theoretical calculation for sulfur-doped carbon nanofibers as a high performance sodium-ion battery anode. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10239-10245	13	55
64	Unexpected intercalation-dominated potassium storage in WS <sub>2</sub> as a potassium-ion battery anode. <i>Nano Research</i> , <b>2019</b> , 12, 2997-3002	10	44
63	Ammonium Vanadium Bronze as a Potassium-Ion Battery Cathode with High Rate Capability and Cyclability. <i>Small Methods</i> , <b>2019</b> , 3, 1800349	12.8	40
62	Enhancing potassium-ion battery performance by defect and interlayer engineering. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 202-207	10.8	73
61	Wool fiber-derived nitrogen-doped porous carbon prepared from molten salt carbonization method for supercapacitor application. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 8372-8384	4.3	37
60	Heterogeneous nanostructure array for electrochemical energy conversion and storage. <i>Nano Today</i> , <b>2018</b> , 20, 33-57	17.9	48
59	Highly nitrogen doped carbon nanofibers with superior rate capability and cyclability for potassium ion batteries. <i>Nature Communications</i> , <b>2018</b> , 9, 1720	17.4	612
58	Advanced Low-Cost, High-Voltage, Long-Life Aqueous Hybrid Sodium/Zinc Batteries Enabled by a Dendrite-Free Zinc Anode and Concentrated Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 22059-22066	9.5	152
57	Organic materials for rechargeable sodium-ion batteries. <i>Materials Today</i> , <b>2018</b> , 21, 60-78	21.8	152
56	MoS <sub>2</sub> nanosheets with expanded interlayer spacing for enhanced sodium storage. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 3099-3105	6.8	27
55	Nano-embedded microstructured FeS <sub>2</sub> @C as a high capacity and cycling-stable Na-storage anode in an optimized ether-based electrolyte. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24425-24432	13	31
54	Highly conjugated poly(N-heteroacene) nanofibers for reversible Na storage with ultra-high capacity and a long cycle life. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18592-18598	13	18
53	Glycol Derived Carbon- TiO as Low Cost and High Performance Anode Material for Sodium-Ion Batteries. <i>Scientific Reports</i> , <b>2017</b> , 7, 43895	4.9	35
52	Nickel sulfide nanospheres anchored on reduced graphene oxide in situ doped with sulfur as a high performance anode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9322-9328	13	70
51	Electrospinning synthesis of Co <sub>3</sub> O <sub>4</sub> @C nanofibers as a high-performance anode for sodium ion batteries. <i>RSC Advances</i> , <b>2017</b> , 7, 23122-23126	3.7	19

50	Self-Supported BiMoO Nanowall for Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23647-23653	9.5	49
49	Oxygen vacancies: Effective strategy to boost sodium storage of amorphous electrode materials. <i>Nano Energy</i> , <b>2017</b> , 38, 304-312	17.1	70
48	Phosphorus-doped activated carbon as a promising additive for high performance lead carbon batteries. <i>RSC Advances</i> , <b>2017</b> , 7, 4174-4178	3.7	19
47	Amorphous TiO <sub>2</sub> inverse opal anode for high-rate sodium ion batteries. <i>Nano Energy</i> , <b>2017</b> , 31, 514-524	17.1	85
46	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> , <b>2017</b> , 5, 1749-1755	13	38
45	Potassium Prussian Blue Nanoparticles: A Low-Cost Cathode Material for Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604307	15.6	310
44	MoS <sub>2</sub> @rGO Nanoflakes as High Performance Anode Materials in Sodium Ion Batteries. <i>Scientific Reports</i> , <b>2017</b> , 7, 7963	4.9	38
43	Hierarchical Sb-Ni nanoarrays as robust binder-free anodes for high-performance sodium-ion half and full cells. <i>Nano Research</i> , <b>2017</b> , 10, 3189-3201	10	31
42	A Selectively Permeable Membrane for Enhancing Cyclability of Organic Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2016</b> , 28, 9182-9187	24	59
41	Constructing Well-Ordered CdTe/TiO Core/Shell Nanowire Arrays for Solar Energy Conversion. <i>Small</i> , <b>2016</b> , 12, 5538-5542	11	9
40	Understanding the Orderliness of Atomic Arrangement toward Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600448	21.8	40
39	Nanoengineering Energy Conversion and Storage Devices via Atomic Layer Deposition. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600468	21.8	46
38	Manipulation of Disodium Rhodizonate: Factors for Fast-Charge and Fast-Discharge Sodium-Ion Batteries with Long-Term Cyclability. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1777-1786	15.6	117
37	A polyimide/MWCNTs composite as high performance anode for aqueous Na-ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 53319-53323	3.7	27
36	Nanoarchitected Array Electrodes for Rechargeable Lithium- and Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502514	21.8	140
35	Layered SnS <sub>2</sub> cross-linked by carbon nanotubes as a high performance anode for sodium ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 35197-35202	3.7	32
34	Template-directed construction of nanostructure arrays for highly-efficient energy storage and conversion. <i>Nano Energy</i> , <b>2015</b> , 13, 790-813	17.1	81
33	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> , <b>2015</b> , 51, 14354-6	5.8	66

32	Intertwined $\text{Cu}_3\text{V}_2\text{O}_7(\text{OH})_2 \cdot 2\text{H}_2\text{O}$ nanowires/carbon fibers composite: A new anode with high rate capability for sodium-ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 294, 193-200	8.9	25
31	Large-scale highly ordered Sb nanorod array anodes with high capacity and rate capability for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2954-2962	35.4	246
30	Ultrathin Spinel-Structured Nanosheets Rich in Oxygen Deficiencies for Enhanced Electrocatalytic Water Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7399-404	16.4	883
29	A high performance sulfur-doped disordered carbon anode for sodium ion batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2916-2921	35.4	429
28	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8768-71	16.4	150
27	Highly Ordered Three-Dimensional Ni-TiO <sub>2</sub> Nanoarrays as Sodium Ion Battery Anodes. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4274-4280	9.6	124
26	Extended $\pi$ -conjugated system for fast-charge and -discharge sodium-ion batteries. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3124-30	16.4	275
25	Self-supported metallic nanopore arrays with highly oriented nanoporous structures as ideally nanostructured electrodes for supercapacitor applications. <i>Advanced Materials</i> , <b>2014</b> , 26, 7654-9	24	89
24	Photoelectrodes based upon Mo:BiVO <sub>4</sub> inverse opals for photoelectrochemical water splitting. <i>ACS Nano</i> , <b>2014</b> , 8, 7088-98	16.7	252
23	Cost-effective atomic layer deposition synthesis of Pt nanotube arrays: application for high performance supercapacitor. <i>Small</i> , <b>2014</b> , 10, 3162-8	11	65
22	Observation of defect state in highly ordered titanium dioxide nanotube arrays. <i>Nanotechnology</i> , <b>2014</b> , 25, 275603	3.4	42
21	A highly efficient visible-light driven photocatalyst: two dimensional square-like bismuth oxyiodine nanosheets. <i>Dalton Transactions</i> , <b>2014</b> , 43, 9549-56	4.3	44
20	All-solid-state flexible thin-film supercapacitors with high electrochemical performance based on a two-dimensional $\text{V}_2\text{O}_5 \cdot \text{H}_2\text{O}$ /graphene composite. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10876	13	63
19	Vectorial diffusion for facile solution-processed self-assembly of insoluble semiconductors: a case study on metal phthalocyanines. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 10990-5	4.8	7
18	Two-dimensional nanosheets for photoelectrochemical water splitting: Possibilities and opportunities. <i>Nano Today</i> , <b>2013</b> , 8, 598-618	17.9	292
17	Defect-rich MoS <sub>2</sub> ultrathin nanosheets with additional active edge sites for enhanced electrocatalytic hydrogen evolution. <i>Advanced Materials</i> , <b>2013</b> , 25, 5807-13	24	2285
16	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> , <b>2013</b> , 1, 5423	13	39
15	Layer-by-layer $\text{Ni}(\text{OH})_2$ /graphene nanohybrids for ultraflexible all-solid-state thin-film supercapacitors with high electrochemical performance. <i>Nano Energy</i> , <b>2013</b> , 2, 65-74	17.1	246

14	Ordered macroporous BiVO <sub>4</sub> architectures with controllable dual porosity for efficient solar water splitting. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8579-83	16.4	167
13	Vacancy associates promoting solar-driven photocatalytic activity of ultrathin bismuth oxychloride nanosheets. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10411-7	16.4	911
12	Periodic porous thermochromic VO <sub>2</sub> (M) films with enhanced visible transmittance. <i>Chemical Communications</i> , <b>2013</b> , 49, 6021-3	5.8	95
11	Efficient water splitting via a heteroepitaxial BiVO <sub>4</sub> photoelectrode decorated with Co-Pi catalysts. <i>ChemSusChem</i> , <b>2012</b> , 5, 1420-5	8.3	99
10	Rational design of the nanowall photoelectrode for efficient solar water splitting. <i>Chemical Communications</i> , <b>2012</b> , 48, 3439-41	5.8	30
9	CuInSe <sub>2</sub> ultrathin nanoplatelets: novel self-sacrificial template-directed synthesis and application for flexible photodetectors. <i>Chemical Communications</i> , <b>2012</b> , 48, 9162-4	5.8	53
8	Metastable tetragonal Cu <sub>2</sub> Se hyperbranched structures: large-scale preparation and tunable electrical and optical response regulated by phase conversion. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 13213-21	4.8	35
7	New-phase VO <sub>2</sub> micro/nanostructures: investigation of phase transformation and magnetic property. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 619-625	3.6	89
6	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> , <b>2012</b> , 7, 565-71	4.5	25
5	First-order metal-insulator transition and infrared identification of shape-controlled magnetite nanocrystals. <i>Nanotechnology</i> , <b>2011</b> , 22, 485706	3.4	21
4	Macroscaled mesoporous calcium carbonate tetragonal prisms: top-down solid-phase fabrication and applications of phase-change material support matrices. <i>CrystEngComm</i> , <b>2010</b> , 12, 3571	3.3	17
3	C-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> , <b>2010</b> , 5, 2515-23	4.5	34
2	YAG:Ce <sup>3+</sup> Nanopowders: Synthesis, Characteristics and Luminescent Properties. <i>Key Engineering Materials</i> , <b>2008</b> , 368-372, 429-431	0.4	
1	CF 4 Plasma-Generated LiF-Li <sub>2</sub> C <sub>2</sub> Artificial Layers for Dendrite-Free Lithium-Metal Anodes. <i>Advanced Science</i> , 2201147	13.6	8