

Min Zhou

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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	Defect-rich MoS ₂ ultrathin nanosheets with additional active edge sites for enhanced electrocatalytic hydrogen evolution. <i>Advanced Materials</i> , 2013 , 25, 5807-13	24	2285
84	Vacancy associates promoting solar-driven photocatalytic activity of ultrathin bismuth oxychloride nanosheets. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10411-7	16.4	911
83	Ultrathin Spinel-Structured Nanosheets Rich in Oxygen Deficiencies for Enhanced Electrocatalytic Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7399-404	16.4	883
82	Highly nitrogen doped carbon nanofibers with superior rate capability and cyclability for potassium ion batteries. <i>Nature Communications</i> , 2018 , 9, 1720	17.4	612
81	A high performance sulfur-doped disordered carbon anode for sodium ion batteries. <i>Energy and Environmental Science</i> , 2015 , 8, 2916-2921	35.4	429
80	Potassium Prussian Blue Nanoparticles: A Low-Cost Cathode Material for Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2017 , 27, 1604307	15.6	310
79	Two-dimensional nanosheets for photoelectrochemical water splitting: Possibilities and opportunities. <i>Nano Today</i> , 2013 , 8, 598-618	17.9	292
78	Extended π -conjugated system for fast-charge and -discharge sodium-ion batteries. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3124-30	16.4	275
77	Photoelectrodes based upon Mo:BiVO ₄ inverse opals for photoelectrochemical water splitting. <i>ACS Nano</i> , 2014 , 8, 7088-98	16.7	252
76	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	35.4	246
75	Layer-by-layer Ni(OH) ₂ /graphene nanohybrids for ultraflexible all-solid-state thin-film supercapacitors with high electrochemical performance. <i>Nano Energy</i> , 2013 , 2, 65-74	17.1	246
74	Ordered macroporous BiVO ₄ architectures with controllable dual porosity for efficient solar water splitting. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8579-83	16.4	167
73	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 & Interfaces</i> , 2018 , 10, 22059-22066	9.5	152
72	Organic materials for rechargeable sodium-ion batteries. <i>Materials Today</i> , 2018 , 21, 60-78	21.8	152
71	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8768-71	16.4	150
70	Nanoarchitected Array Electrodes for Rechargeable Lithium- and Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1502514	21.8	140
69	Highly Ordered Three-Dimensional Ni-TiO ₂ Nanoarrays as Sodium Ion Battery Anodes. <i>Chemistry of Materials</i> , 2015 , 27, 4274-4280	9.6	124

68	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	15.6	117
67	Efficient water splitting via a heteroepitaxial BiVO ₄ photoelectrode decorated with Co-Pi catalysts. <i>ChemSusChem</i> , 2012 , 5, 1420-5	8.3	99
66	Periodic porous thermochromic VO ₂ (M) films with enhanced visible transmittance. <i>Chemical Communications</i> , 2013 , 49, 6021-3	5.8	95
65	Self-supported metallic nanopore arrays with highly oriented nanoporous structures as ideally nanostructured electrodes for supercapacitor applications. <i>Advanced Materials</i> , 2014 , 26, 7654-9	24	89
64	New-phase VO ₂ micro/nanostructures: investigation of phase transformation and magnetic property. <i>New Journal of Chemistry</i> , 2012 , 36, 619-625	3.6	89
63	Amorphous TiO ₂ inverse opal anode for high-rate sodium ion batteries. <i>Nano Energy</i> , 2017 , 31, 514-524	17.1	85
62	Template-directed construction of nanostructure arrays for highly-efficient energy storage and conversion. <i>Nano Energy</i> , 2015 , 13, 790-813	17.1	81
61	Enhancing potassium-ion battery performance by defect and interlayer engineering. <i>Nanoscale Horizons</i> , 2019 , 4, 202-207	10.8	73
60	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> , 2017 , 5, 9322-9328	13	70
59	Oxygen vacancies: Effective strategy to boost sodium storage of amorphous electrode materials. <i>Nano Energy</i> , 2017 , 38, 304-312	17.1	70
58	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, 14354-6	5.8	66
57	Cost-effective atomic layer deposition synthesis of Pt nanotube arrays: application for high performance supercapacitor. <i>Small</i> , 2014 , 10, 3162-8	11	65
56	All-solid-state flexible thin-film supercapacitors with high electrochemical performance based on a two-dimensional V ₂ O ₅ /H ₂ O/graphene composite. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10876	13	63
55	A Selectively Permeable Membrane for Enhancing Cyclability of Organic Sodium-Ion Batteries. <i>Advanced Materials</i> , 2016 , 28, 9182-9187	24	59
54	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> , 2019 , 7, 10239-10245	13	55
53	CuInSe ₂ ultrathin nanoplatelets: novel self-sacrificial template-directed synthesis and application for flexible photodetectors. <i>Chemical Communications</i> , 2012 , 48, 9162-4	5.8	53
52	Self-Supported BiMoO Nanowall for Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23647-23653	9.5	49
51	Heterogeneous nanostructure array for electrochemical energy conversion and storage. <i>Nano Today</i> , 2018 , 20, 33-57	17.9	48

50	High-Performance Manganese Hexacyanoferrate with Cubic Structure as Superior Cathode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1908754	15.6	46
49	Nanoengineering Energy Conversion and Storage Devices via Atomic Layer Deposition. <i>Advanced Energy Materials</i> , 2016 , 6, 1600468	21.8	46
48	Plasma-Introduced Oxygen Defects Confined in LiTiO Nanosheets for Boosting Lithium-Ion Diffusion. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17384-17392	9.5	45
47	Unexpected intercalation-dominated potassium storage in WS ₂ as a potassium-ion battery anode. <i>Nano Research</i> , 2019 , 12, 2997-3002	10	44
46	A highly efficient visible-light driven photocatalyst: two dimensional square-like bismuth oxyiodine nanosheets. <i>Dalton Transactions</i> , 2014 , 43, 9549-56	4.3	44
45	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> , 2021 , 33, e2008447	24	44
44	Observation of defect state in highly ordered titanium dioxide nanotube arrays. <i>Nanotechnology</i> , 2014 , 25, 275603	3.4	42
43	Understanding the Orderliness of Atomic Arrangement toward Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , 2016 , 6, 1600448	21.8	40
42	Ammonium Vanadium Bronze as a Potassium-Ion Battery Cathode with High Rate Capability and Cyclability. <i>Small Methods</i> , 2019 , 3, 1800349	12.8	40
41	Li _{0.3} V ₂ O ₅ 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	13	39
40	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	13	38
39	MoS@rGO Nanoflakes as High Performance Anode Materials in Sodium Ion Batteries. <i>Scientific Reports</i> , 2017 , 7, 7963	4.9	38
38	Wool fiber-derived nitrogen-doped porous carbon prepared from molten salt carbonization method for supercapacitor application. <i>Journal of Materials Science</i> , 2018 , 53, 8372-8384	4.3	37
37	Glycol Derived Carbon- TiO as Low Cost and High Performance Anode Material for Sodium-Ion Batteries. <i>Scientific Reports</i> , 2017 , 7, 43895	4.9	35
36	Heterostructural Ag ₃ PO ₄ /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	4.7	35
35	Metastable tetragonal Cu ₂ Se hyperbranched structures: large-scale preparation and tunable electrical and optical response regulated by phase conversion. <i>Chemistry - A European Journal</i> , 2012 , 18, 13213-21	4.8	35
34	C-oriented and {010} facets exposed BiVO ₄ nanowall films: template-free fabrication and their enhanced photoelectrochemical properties. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 2515-23	4.5	34
33	Bismuth oxychloride nanoflake assemblies as a new anode for potassium ion batteries. <i>Chemical Communications</i> , 2019 , 55, 6507-6510	5.8	33

32	Layered SnS ₂ cross-linked by carbon nanotubes as a high performance anode for sodium ion batteries. <i>RSC Advances</i> , 2016 , 6, 35197-35202	3.7	32
31	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	10	31
30	Nano-embedded microstructured FeS ₂ @C as a high capacity and cycling-stable Na-storage anode in an optimized ether-based electrolyte. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24425-24432	13	31
29	Rational design of the nanowall photoelectrode for efficient solar water splitting. <i>Chemical Communications</i> , 2012 , 48, 3439-41	5.8	30
28	A polyimide/MWCNTs composite as high performance anode for aqueous Na-ion batteries. <i>RSC Advances</i> , 2016 , 6, 53319-53323	3.7	27
27	MoS ₂ nanosheets with expanded interlayer spacing for enhanced sodium storage. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3099-3105	6.8	27
26	Intertwined Cu ₃ V ₂ O ₇ (OH) ₂ ·2H ₂ 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	8.9	25
25	Electrospun hierarchical LiV ₃ O ₈ 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, 565-71	4.5	25
24	Polydiaminoanthraquinones with tunable redox properties as high performance organic cathodes for K-ion batteries. <i>Chemical Communications</i> , 2019 , 55, 6054-6057	5.8	21
23	Self-assembled sandwich hollow porous carbon sphere @ MXene composites as superior LiS battery cathode hosts. <i>2D Materials</i> , 2020 , 7, 025049	5.9	21
22	First-order metal-insulator transition and infrared identification of shape-controlled magnetite nanocrystals. <i>Nanotechnology</i> , 2011 , 22, 485706	3.4	21
21	Electrospinning synthesis of Co ₃ O ₄ @C nanofibers as a high-performance anode for sodium ion batteries. <i>RSC Advances</i> , 2017 , 7, 23122-23126	3.7	19
20	Phosphorus-doped activated carbon as a promising additive for high performance lead carbon batteries. <i>RSC Advances</i> , 2017 , 7, 4174-4178	3.7	19
19	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> , 2018 , 6, 18592-18598	13	18
18	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	3.3	17
17	Interstitial boron-doped mesoporous semiconductor oxides for ultratransparent energy storage. <i>Nature Communications</i> , 2021 , 12, 445	17.4	16
16	Constructing Well-Ordered CdTe/TiO Core/Shell Nanowire Arrays for Solar Energy Conversion. <i>Small</i> , 2016 , 12, 5538-5542	11	9
15	Electrical Conductivity Adjustment for Interface Capacitive-Like Storage in Sodium-Ion Battery. <i>Advanced Functional Materials</i> , 2021 , 31, 2101081	15.6	8

14	CF 4 Plasma-Generated LiF-Li ₂ C ₂ Artificial Layers for Dendrite-Free Lithium-Metal Anodes. <i>Advanced Science</i> , 2021, 147	13.6	8
13	Vectorial diffusion for facile solution-processed self-assembly of insoluble semiconductors: a case study on metal phthalocyanines. <i>Chemistry - A European Journal</i> , 2014, 20, 10990-5	4.8	7
12	The role of mechanical pressure on dendritic surface toward stable lithium metal anode. <i>Nano Energy</i> , 2020, 77, 105098	17.1	7
11	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> , 2022, e2105925	13.6	5
10	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> , 2020, 8, 22613-22619	13	4
9	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> , 2021, 9, 10458-10465	13	3
8	Ordered nanostructures arrays fabricated by anodic aluminum oxide (AAO) template-directed methods for energy conversion. <i>Nanotechnology</i> , 2021, 32,	3.4	3
7	Ultrathin Na ₂ Ti ₂ O ₄ (OH) ₂ nanowall for boosting sodium storage. <i>Materials Letters</i> , 2020, 269, 127649	3.3	2
6	MXene-based electromagnetic wave response. <i>JPhys Energy</i> , 2021, 3, 042001	4.9	2
5	Electrochemical Properties and Kinetics of Asymmetric Sodium Benzene-1,2,4-tricarboxylate as an Anode Material for Sodium-Organic Batteries. <i>ChemElectroChem</i> , 2020, 7, 3517-3521	4.3	1
4	Hierarchical Design in LiMn ₂ O ₄ Particles for Advanced Hybrid Aqueous Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 7759-7766	6.1	1
3	Strong electronic coupled FeNi ₃ /Fe ₂ (MoO ₄) ₃ nanohybrids for enhancing the electrocatalytic activity for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2791-2798	6.8	0
2	Gas-Flow-Assisted Wrinkle-Free Transfer of a Centimeter-Scale Ultrathin Alumina Membrane onto Arbitrary Substrates. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35124-35132	9.5	0
1	YAG:Ce ³⁺ Nanopowders: Synthesis, Characteristics and Luminescent Properties. <i>Key Engineering Materials</i> , 2008, 368-372, 429-431	0.4	