

Mao-wen Xu

List of Publications by Year in descending order

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204
papers

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citations

43973

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205
all docs

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docs citations

205
times ranked

8652
citing authors

#	ARTICLE	IF	CITATIONS
1	A Superior Low-Cost Cathode for a Na-ion Battery. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1964-1967.	7.2	698
2	Nanosized Metal Phosphides Embedded in Nitrogen-Doped Porous Carbon Nanofibers for Enhanced Hydrogen Evolution at All pH Values. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1963-1967.	7.2	277
3	Exploration of $K_2Ti_8O_{17}$ as an anode material for potassium-ion batteries. <i>Chemical Communications</i> , 2016, 52, 11274-11276.	2.2	240
4	Honeycomb-Like Spherical Cathode Host Constructed from Hollow Metallic and Polar Co_9S_8 Tubules for Advanced Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1704443.	7.8	236
5	Double-Shelled $NiO@NiCo_2O_4$ Heterostructure@Carbon Hollow Nanocages as an Efficient Sulfur Host for Advanced Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1800709.	10.2	236
6	Investigation of $K_3V_2(PO_4)_3/C$ nanocomposites as high-potential cathode materials for potassium-ion batteries. <i>Chemical Communications</i> , 2017, 53, 1805-1808.	2.2	206
7	Nanocubic $KTi_2(PO_4)_3$ electrodes for potassium-ion batteries. <i>Chemical Communications</i> , 2016, 52, 11661-11664.	2.2	189
8	MXenes for Non-Lithium (Na, K, Ca, Mg, and Al) Batteries and Supercapacitors. <i>Advanced Energy Materials</i> , 2021, 11, 2000681.	10.2	183
9	Circuit board-like CoS/MXene composite with superior performance for sodium storage. <i>Chemical Engineering Journal</i> , 2019, 357, 220-225.	6.6	143
10	$Na_3V_2O_2(PO_4)_2F$ /graphene sandwich structure for high-performance cathode of a sodium-ion battery. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13032.	1.3	128
11	Electrochemical deposition of metal-organic framework films and their applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7569-7587.	5.2	126
12	Synthesis of SnS nanoparticle-modified MXene (Ti_3C_2Tx) composites for enhanced sodium storage. <i>Journal of Alloys and Compounds</i> , 2018, 732, 448-453.	2.8	121
13	A review on pyrophosphate framework cathode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15006-15025.	5.2	117
14	How to avoid dendrite formation in metal batteries: Innovative strategies for dendrite suppression. <i>Nano Energy</i> , 2021, 86, 106142.	8.2	116
15	Assembling Hollow Cobalt Sulfide Nanocages Array on Graphene-like Manganese Dioxide Nanosheets for Superior Electrochemical Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35040-35047.	4.0	107
16	Selenium Embedded in Metal-Organic Framework Derived Hollow Hierarchical Porous Carbon Spheres for Advanced Lithium-Selenium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16063-16070.	4.0	106
17	Design and Construction of Sodium Polysulfides Defense System for Room-Temperature Na-S Battery. <i>Advanced Science</i> , 2019, 6, 1901557.	5.6	106
18	Facile Synthesis of Novel Networked Ultralong Cobalt Sulfide Nanotubes and Its Application in Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25568-25573.	4.0	105

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19	Metal chalcogenide hollow polar bipyramid prisms as efficient sulfur hosts for Na-S batteries. <i>Nature Communications</i> , 2020, 11, 5242.	5.8	102
20	A Mini-Review: MXene composites for sodium/potassium-ion batteries. <i>Nanoscale</i> , 2020, 12, 15993-16007.	2.8	102
21	A highly efficient double-hierarchical sulfur host for advanced lithium-sulfur batteries. <i>Chemical Science</i> , 2018, 9, 666-675.	3.7	97
22	Reunderstanding the Reaction Mechanism of Aqueous Zn-Mn Batteries with Sulfate Electrolytes: Role of the Zinc Sulfate Hydroxide. <i>Advanced Materials</i> , 2022, 34, e2109092.	11.1	97
23	Uniform $\text{Ni}(\text{OH})_2$ hollow spheres constructed from ultrathin nanosheets as efficient polysulfide mediator for long-term lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2017, 8, 202-208.	9.5	93
24	Exploration of NaVOPO_4 as a cathode for a Na-ion battery. <i>Chemical Communications</i> , 2013, 49, 5280.	2.2	85
25	Self-Supported FeCo_2S_4 Nanotube Arrays as Binder-Free Cathodes for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43707-43715.	4.0	75
26	MXene-derivative pompon-like $\text{Na}_2\text{Ti}_3\text{O}_7/\text{C}$ anode material for advanced sodium ion batteries. <i>Chemical Engineering Journal</i> , 2019, 378, 122209.	6.6	75
27	$\text{Na}_{3.12}\text{Fe}_{2.44}(\text{P}_2\text{O}_7)_2$ /multi-walled carbon nanotube composite as a cathode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17224-17229.	5.2	74
28	Solvent-mediated directionally self-assembling MoS_2 nanosheets into a novel worm-like structure and its application in sodium batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9932-9937.	5.2	74
29	Chinese knot-like electrode design for advanced Li-S batteries. <i>Nano Energy</i> , 2018, 53, 354-361.	8.2	72
30	A Fe_3N /carbon composite electrocatalyst for effective polysulfides regulation in room-temperature Na-S batteries. <i>Nature Communications</i> , 2021, 12, 6347.	5.8	71
31	Nickel Hollow Spheres Concatenated by Nitrogen-Doped Carbon Fibers for Enhancing Electrochemical Kinetics of Sodium-Sulfur Batteries. <i>Advanced Science</i> , 2020, 7, 1902617.	5.6	70
32	Selenium Encapsulated into Metal-Organic Frameworks Derived N-Doped Porous Carbon Polyhedrons as Cathode for Na-Se Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41339-41346.	4.0	69
33	TiO_xNy nanoparticles/C composites derived from MXene as anode material for potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 369, 828-833.	6.6	68
34	A chemically bonded CoNiO_2 nanoparticles/MXene composite as anode for sodium-ion batteries. <i>Materials Letters</i> , 2018, 230, 173-176.	1.3	65
35	Low-Operating Temperature, High-Rate and Durable Solid-State Sodium-Ion Battery Based on Polymer Electrolyte and Prussian Blue Cathode. <i>Advanced Energy Materials</i> , 2020, 10, 1903351.	10.2	64
36	Carbon nanotubes implanted manganese-based MOFs for simultaneous detection of biomolecules in body fluids. <i>Analyst</i> , 2016, 141, 1279-1285.	1.7	62

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37	2D MXene Materials for Sodium Ion Batteries: A review on Energy Storage. <i>Journal of Energy Storage</i> , 2021, 37, 102478.	3.9	62
38	A railway-like network electrode design for room temperature Na-S battery. <i>Journal of Materials Chemistry A</i> , 2019, 7, 150-156.	5.2	60
39	Nanostructured cobalt phosphates as excellent biomimetic enzymes to sensitively detect superoxide anions released from living cells. <i>Biosensors and Bioelectronics</i> , 2017, 87, 998-1004.	5.3	59
40	MoP nanoparticles with a P-rich outermost atomic layer embedded in N-doped porous carbon nanofibers: Self-supported electrodes for efficient hydrogen generation. <i>Nano Research</i> , 2018, 11, 4728-4734.	5.8	59
41	Preparation of MoS ₂ /Ti ₃ C ₂ T _x composite as anode material with enhanced sodium/lithium storage performance. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 117-125.	3.0	59
42	Rational construction of rGO/VO ₂ nanoflowers as sulfur multifunctional hosts for room temperature Na-S batteries. <i>Chemical Engineering Journal</i> , 2020, 379, 122359.	6.6	59
43	Nanosized Metal Phosphides Embedded in Nitrogen-Doped Porous Carbon Nanofibers for Enhanced Hydrogen Evolution at All pH Values. <i>Angewandte Chemie</i> , 2018, 130, 1981-1985.	1.6	58
44	Synthesis and application of ultra-long Na _{0.44} MnO ₂ submicron slabs as a cathode material for Na-ion batteries. <i>RSC Advances</i> , 2014, 4, 38140-38143.	1.7	57
45	Investigation of Fe ₂ N@carbon encapsulated in N-doped graphene-like carbon as a catalyst in sustainable zinc-air batteries. <i>Catalysis Science and Technology</i> , 2017, 7, 5670-5676.	2.1	56
46	Engineering the nanostructure of molybdenum nitride nanodot embedded N-doped porous hollow carbon nanochains for rapid all pH hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14734-14741.	5.2	56
47	Highly Puffed Co ₉ S ₈ /Carbon Nanofibers: A Functionalized S Carrier for Superior Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26798-26806.	4.0	55
48	Critical Role of Phosphorus in Hollow Structures Cobalt-Based Phosphides as Bifunctional Catalysts for Water Splitting. <i>Small</i> , 2022, 18, e2103561.	5.2	54
49	Maximizing Energy Storage of Flexible Aqueous Batteries through Decoupling Charge Carriers. <i>Advanced Energy Materials</i> , 2021, 11, 2003982.	10.2	53
50	Porous graphene to encapsulate Na _{6.24} Fe _{4.88} (P ₂ O ₇) ₄ as composite cathode materials for Na-ion batteries. <i>Chemical Communications</i> , 2015, 51, 13120-13122.	2.2	51
51	MXene-derived three-dimensional carbon nanotube network encapsulate CoS ₂ nanoparticles as an anode material for solid-state sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3018-3026.	5.2	51
52	A gel-limiting strategy for large-scale fabrication of Fe-N-C single-atom ORR catalysts. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7137-7142.	5.2	51
53	Puzzle-inspired carbon dots coupled with cobalt phosphide for constructing a highly-effective overall water splitting interface. <i>Chemical Communications</i> , 2020, 56, 257-260.	2.2	48
54	Fabrication of WS ₂ -nanoflowers@rGO composite as an anode material for enhanced electrode performance in lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 20-25.	5.0	47

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55	Rechargeable K-Se batteries based on metal-organic-frameworks-derived porous carbon matrix confined selenium as cathode materials. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 326-331.	5.0	47
56	Detailed investigation of a NaTi ₂ (PO ₄) ₃ anode prepared by pyro-synthesis for Na-ion batteries. <i>RSC Advances</i> , 2016, 6, 45605-45611.	1.7	46
57	Putting Nanoarmors on Yolk-Shell Si@C Nanoparticles: A Reliable Engineering Way To Build Better Si-Based Anodes for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24157-24163.	4.0	46
58	A rough endoplasmic reticulum-like VSe ₂ /rGO anode for superior sodium-ion capacitors. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2935-2943.	3.0	46
59	A Se-hollow porous carbon composite for high-performance rechargeable K-Se batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2118-2125.	3.0	46
60	Construction of a bimetallic nickel-cobalt selenide pompon used as a superior anode material for high performance sodium storage. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1003-1011.	3.0	46
61	Design and synthesis of Co-N-C porous catalyst derived from metal organic complexes for highly effective ORR. <i>Dalton Transactions</i> , 2017, 46, 15646-15650.	1.6	44
62	Potassium titanium hexacyanoferrate as a cathode material for potassium-ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 122, 31-35.	1.9	43
63	Electrospun graphene-wrapped Na _{6.24} Fe _{4.88} (P ₂ O ₇) ₄ nanofibers as a high-performance cathode for sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17270-17277.	1.3	42
64	Self-Supported CdP ₂ â€ˆCDsâ€ˆCoP for High-Performance OER Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1297-1303.	3.2	42
65	Sodium-Rich Ferric Pyrophosphate Cathode for Stationary Room-Temperature Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 502-508.	4.0	41
66	Interfacial engineering of Ni/V ₂ O ₃ for hydrogen evolution reaction. <i>Nano Research</i> , 2020, 13, 2407-2412.	5.8	41
67	Muscle-like electrode design for Li-Te batteries. <i>Energy Storage Materials</i> , 2018, 10, 10-15.	9.5	40
68	Double-walled N-doped carbon@NiCo ₂ S ₄ hollow capsules as SeS ₂ hosts for advanced Li-SeS ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12276-12282.	5.2	40
69	Nanoporous V-Doped Ni ₅ P ₄ Microsphere: A Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction at All pH. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37092-37099.	4.0	40
70	A synergistic Bi ₂ S ₃ /MXene composite with enhanced performance as an anode material of sodium-ion batteries. <i>New Journal of Chemistry</i> , 2020, 44, 3072-3077.	1.4	40
71	A 3D porous interconnected NaVPO ₄ /F/C network: preparation and performance for Na-ion batteries. <i>RSC Advances</i> , 2015, 5, 40065-40069.	1.7	39
72	Efficient Catalytic Conversion of Polysulfides by Biomimetic Design of â€ˆBranch-Leafâ€ˆ Electrode for High-Energy Sodium-Sulfur Batteries. <i>Nano-Micro Letters</i> , 2021, 13, 50.	14.4	39

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73	Improving the Performance of Hard Carbon//Na ₃ V ₂ O ₂ (PO ₄) ₂ F Sodium-Ion Full Cells by Utilizing the Adsorption Process of Hard Carbon. ACS Applied Materials & Interfaces, 2018, 10, 16581-16587.	4.0	37
74	Vanadium carbide nanoparticles incorporation in carbon nanofibers for room-temperature sodium sulfur batteries: Confining, trapping, and catalyzing. Chemical Engineering Journal, 2020, 395, 124978.	6.6	37
75	High performance mesoporous C@Se composite cathodes derived from Ni-based MOFs for Li-FeSe batteries. RSC Advances, 2015, 5, 84038-84043.	1.7	36
76	A highly-effective nitrogen-doped porous carbon sponge electrode for advanced K-FeSe batteries. Inorganic Chemistry Frontiers, 2020, 7, 1182-1189.	3.0	36
77	An N-doped porous carbon/MXene composite as a sulfur host for lithium-FeSe batteries. Inorganic Chemistry Frontiers, 2019, 6, 2894-2899.	3.0	35
78	Facile preparation of nitrogen-doped reduced graphene oxide as a metal-free catalyst for oxygen reduction reaction. Journal of Materials Science, 2013, 48, 8101-8107.	1.7	34
79	Cobalt nanoparticles embedded into free-standing carbon nanofibers as catalyst for room-temperature sodium-sulfur batteries. Journal of Colloid and Interface Science, 2020, 565, 63-69.	5.0	34
80	Highly Efficient Sodium-Ion Storage Enabled by an rGO-Wrapped FeSe ₂ Composite. ChemSusChem, 2021, 14, 1336-1343.	3.6	34
81	An excellent full sodium-ion capacitor derived from a single Ti-based metal-organic framework. Journal of Materials Chemistry A, 2018, 6, 24860-24868.	5.2	33
82	An MXene-based aerogel with cobalt nanoparticles as an efficient sulfur host for room-temperature Na-FeS batteries. Inorganic Chemistry Frontiers, 2020, 7, 4396-4403.	3.0	33
83	A Prussian blue analogue as a long-life cathode for liquid-state and solid-state sodium-ion batteries. Inorganic Chemistry Frontiers, 2020, 7, 3938-3944.	3.0	33
84	Manipulating irreversible phase transition of NaCrO ₂ towards an effective sodium compensation additive for superior sodium-ion full cells. Journal of Colloid and Interface Science, 2019, 553, 524-529.	5.0	32
85	Jackfruit-like electrode design for advanced Na-Se batteries. Journal of Power Sources, 2019, 443, 227245.	4.0	32
86	Carbon-wrapped cobalt nanoparticles on graphene aerogel for solid-state room-temperature sodium-sulfur batteries. Chemical Engineering Journal, 2020, 388, 124210.	6.6	32
87	A Strategy for Polysulfides/Polyselenides Protection Based on Co ₉ S ₈ @SiO ₂ /C Host in Na-FeS ₂ Batteries. Advanced Functional Materials, 2021, 31, 2001952.	7.8	32
88	An architectural development for energy conversion materials: morphology-conserved transformation synthesis of manganese oxides and their application in lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 3749.	5.2	31
89	Efficient Production of Coaxial Core-Shell MnO@Carbon Nanopipes for Sustainable Electrochemical Energy Storage Applications. ACS Sustainable Chemistry and Engineering, 2017, 5, 6288-6296.	3.2	31
90	(001) Facet-Dominated Hierarchically Hollow Na ₂ Ti ₃ O ₇ as a High-Rate Anode Material for Sodium-Ion Capacitors. ACS Applied Materials & Interfaces, 2019, 11, 42197-42205.	4.0	31

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91	High-Rate and Long-Life Sodium-Ion Batteries Based on Sponge-like Three-Dimensional Porous Na-Rich Ferric Pyrophosphate Cathode Material. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5107-5113.	4.0	30
92	Exploration of a calcium-organic framework as an anode material for sodium-ion batteries. <i>Chemical Communications</i> , 2016, 52, 9969-9971.	2.2	29
93	FeF ₃ @Thin Nickel Ammine Nitrate Matrix: Smart Configurations and Applications as Superior Cathodes for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16240-16247.	4.0	29
94	Rib-like hierarchical porous carbon as reservoir for long-life and high-rate Li-Te batteries. <i>Electrochimica Acta</i> , 2017, 250, 10-15.	2.6	29
95	Synthesis of hollow porous carbon microspheres and their application to room-temperature Na-S batteries. <i>Materials Letters</i> , 2018, 221, 66-69.	1.3	29
96	Constructing high effective nano-Mn ₃ (PO ₄) ₂ -chitosan in situ electrochemical detection interface for superoxide anions released from living cell. <i>Biosensors and Bioelectronics</i> , 2019, 133, 133-140.	5.3	29
97	Cathodic Electrodeposition of MOF Films Using Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24950-24957.	7.2	29
98	A self-healing neutral aqueous rechargeable Zn/MnO ₂ battery based on modified carbon nanotubes substrate cathode. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 83-89.	5.0	29
99	MnO ₂ -assisted fabrication of PANI/MWCNT composite and its application as a supercapacitor. <i>RSC Advances</i> , 2014, 4, 33569-33573.	1.7	28
100	Facile synthesis of mesoporous NH ₄ V ₄ O ₁₀ nanoflowers with high performance as cathode material for lithium battery. <i>Journal of Materials Science</i> , 2018, 53, 2045-2053.	1.7	28
101	Effects of Catalysis and Separator Functionalization on High-Energy Lithium-Sulfur Batteries: A Complete Review. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	28
102	Curtailling Carbon Usage with Addition of Functionalized NiFe ₂ O ₄ Quantum Dots: Toward More Practical S Cathodes for Li-S Cells. <i>Nano-Micro Letters</i> , 2020, 12, 145.	14.4	27
103	Low-Barrier, Dendrite-Free, and Stable Na Plating/Stripping Enabled by Gradient Sodiophilic Carbon Skeleton. <i>Advanced Energy Materials</i> , 2021, 11, .	10.2	27
104	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions. <i>Nature Communications</i> , 2022, 13, 1863.	5.8	27
105	Self-Template Synthesis of Prussian Blue Analogue Hollow Polyhedrons as Superior Sodium Storage Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37187-37193.	4.0	26
106	Sulfur encapsulation into yolk-shell Fe ₂ N@nitrogen doped carbon for ambient-temperature sodium-sulfur battery cathode. <i>Chemical Engineering Journal</i> , 2022, 429, 132389.	6.6	26
107	Exploration of Na ₇ Fe _{4.5} (P ₂ O ₇) ₄ as a cathode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16531-16535.	5.2	25
108	Metal organic framework MIL-53(Fe) as an efficient artificial oxidase for colorimetric detection of cellular biothiols. <i>Analytical Biochemistry</i> , 2019, 577, 82-88.	1.1	25

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109	Flexible electrode constructed by encapsulating ultrafine VSe ₂ in carbon fiber for quasi-solid-state sodium ion batteries. <i>Journal of Power Sources</i> , 2020, 470, 228438.	4.0	25
110	A Cascade Battery: Coupling Two Sequential Electrochemical Reactions in a Single Battery. <i>Advanced Materials</i> , 2021, 33, e2105480.	11.1	25
111	Design and synthesis of carbonized polypyrrole-coated graphene aerogel acting as an efficient metal-free catalyst for oxygen reduction. <i>RSC Advances</i> , 2014, 4, 16979-16984.	1.7	24
112	A selenium-confined porous carbon cathode from silk cocoons for Li-Se battery applications. <i>RSC Advances</i> , 2015, 5, 96146-96150.	1.7	24
113	Enhanced electrochemical performance of Na _{0.5} Ni _{0.25} Mn _{0.75} O ₂ micro-sheets at 3.8 V for Na-ion batteries with nanosized-thin AlF ₃ coating. <i>Nanoscale</i> , 2018, 10, 12625-12630.	2.8	24
114	Facile and Scale Synthesis of Co/N/S-Doped Porous Graphene-Like Carbon Architectures as Electrocatalysts for Sustainable Zinc-Air Battery Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7743-7749.	3.2	24
115	Facile synthesis of Cu ₂ S nanoplates as anode for potassium ion batteries. <i>Materials Letters</i> , 2020, 262, 127048.	1.3	24
116	Multi-step Controllable Catalysis Method for the Defense of Sodium Polysulfide Dissolution in Room-Temperature Na-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11852-11860.	4.0	24
117	Pyro-synthesis of a nanostructured NaTi ₂ (PO ₄) ₃ /C with a novel lower voltage plateau for rechargeable sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2016, 474, 88-92.	5.0	23
118	Center-iodized graphene as an advanced anode material to significantly boost the performance of lithium-ion batteries. <i>Nanoscale</i> , 2018, 10, 9115-9122.	2.8	23
119	Half-cell and full-cell applications of sodium ion batteries based on carbon-coated Na ₃ Fe _{0.5} V _{1.5} (PO ₄) ₃ nanoparticles cathode. <i>Electrochimica Acta</i> , 2018, 283, 1475-1481.	2.6	23
120	Effect of nanoparticle composition on oxygen reduction reaction activity of Fe/N-C catalysts: a comparative study. <i>Catalysis Science and Technology</i> , 2019, 9, 711-717.	2.1	23
121	Mass Production of Metallic Fe@Carbon Nanoparticles with Plastic and Rusty Wastes for High-Capacity Anodes of Ni-Fe Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10995-11003.	3.2	23
122	Environmentally-friendly biomimicking synthesis of TiO ₂ nanomaterials using saccharides to tailor morphology, crystal phase and photocatalytic activity. <i>CrystEngComm</i> , 2013, 15, 4694.	1.3	22
123	In Situ Packaging Fe _x into Sack-like Carbon Nanoreactors: A Smart Way To Make Soluble Fluorides Applicable to Aqueous Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3874-3882.	4.0	22
124	Bimetal-organic-frameworks-derived yolk-shell-structured porous Co ₂ P/ZnO@PC/CNTs hybrids for highly sensitive non-enzymatic detection of superoxide anion released from living cells. <i>Chemical Communications</i> , 2016, 52, 12442-12445.	2.2	22
125	<i>Aspergillus flavus</i> Conidia-derived Carbon/Sulfur Composite as a Cathode Material for High Performance Lithium-Sulfur Battery. <i>Scientific Reports</i> , 2016, 6, 18739.	1.6	22
126	Controlled synthesis of Mn ₃ (PO ₄) ₂ hollow spheres as biomimetic enzymes for selective detection of superoxide anions released by living cells. <i>Mikrochimica Acta</i> , 2017, 184, 1177-1184.	2.5	22

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127	Porous carbon derived from Sunflower as a host matrix for ultra-stable lithium-selenium battery. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 747-753.	5.0	22
128	Highly efficient Fe-N-C oxygen reduction electrocatalyst engineered by sintering atmosphere. <i>Journal of Power Sources</i> , 2020, 449, 227497.	4.0	22
129	Novel CdFe Bimetallic Complex-Derived Ultrasmall Fe- and N-Codoped Carbon as a Highly Efficient Oxygen Reduction Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21481-21488.	4.0	21
130	Self-assembled three-dimensional interpenetrating porous graphene aerogels with MnO ₂ coating and their application as high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2013, 37, 4199.	1.4	20
131	Cubic KTi ₂ (PO ₄) ₃ as electrode materials for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 67-72.	5.0	20
132	Nanocubes composed of FeS ₂ @C nanoparticles as advanced anode materials for K-ion storage. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 394-401.	3.0	20
133	Unearth the understanding of interfacial engineering techniques on nano sulfur cathodes for steady Li-S cell systems. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11976-11985.	5.2	20
134	Low-operating temperature quasi-solid-state potassium-ion battery based on commercial materials. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 932-939.	5.0	20
135	Carbon-coated P2-type Na _{0.67} Ni _{0.33} Ti _{0.67} O ₂ as an anode material for sodium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1827-1831.	1.2	19
136	Smart Magnetic Interaction Promotes Efficient and Green Production of High-Quality Fe ₃ O ₄ @Carbon Nanoactives for Sustainable Aqueous Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 757-765.	3.2	19
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