Maowen Xu

List of Publications by Year
in descending order

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165 papers	7,904 citations	50170 46 h-index	62479 80 g-index
171 all docs	171 docs citations	171 times ranked	7672 citing authors

#	Article	IF	Citations
1	A Superior Lowâ€Cost Cathode for a Naâ€Ion Battery. Angewandte Chemie - International Edition, 2013, 52, 1964-1967.	7.2	698
2	Nanosized Metal Phosphides Embedded in Nitrogenâ€Doped Porous Carbon Nanofibers for Enhanced Hydrogen Evolution at All pH Values. Angewandte Chemie - International Edition, 2018, 57, 1963-1967.	7.2	277
3	Exploration of K₂Ti₈O₁₇ as an anode material for potassium-ion batteries. Chemical Communications, 2016, 52, 11274-11276.	2.2	240
4	Honeycombâ€Like Spherical Cathode Host Constructed from Hollow Metallic and Polar Co₉S₈ Tubules for Advanced Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2018, 28, 1704443.	7.8	236
5	Doubleâ€Shelled NiOâ€NiCo₂O₄ Heterostructure@Carbon Hollow Nanocages as an Efficient Sulfur Host for Advanced Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1800709.	10.2	236
6	Investigation of K₃V₂(PO₄)₃/C nanocomposites as high-potential cathode materials for potassium-ion batteries. Chemical Communications, 2017, 53, 1805-1808.	2.2	206
7	Nanocubic KTi₂(PO₄)₃ electrodes for potassium-ion batteries. Chemical Communications, 2016, 52, 11661-11664.	2.2	189
8	MXenes for Nonâ€Lithiumâ€Ion (Na, K, Ca, Mg, and Al) Batteries and Supercapacitors. Advanced Energy Materials, 2021, 11, 2000681.	10.2	183
9	â€˜Circuit board-like CoS/MXene composite with superior performance for sodium storage. Chemical Engineering Journal, 2019, 357, 220-225.	6.6	143
10	Na3V2O2(PO4)2F/graphene sandwich structure for high-performance cathode of a sodium-ion battery. Physical Chemistry Chemical Physics, 2013, 15, 13032.	1.3	128
11	Synthesis of SnS nanoparticle-modified MXene (Ti3C2Tx) composites for enhanced sodium storage. Journal of Alloys and Compounds, 2018, 732, 448-453.	2.8	121
12	A review on pyrophosphate framework cathode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 15006-15025.	5.2	117
13	Assembling Hollow Cobalt Sulfide Nanocages Array on Graphene-like Manganese Dioxide Nanosheets for Superior Electrochemical Capacitors. ACS Applied Materials & Interfaces, 2017, 9, 35040-35047.	4.0	107
14	Selenium Embedded in Metalâ€“Organic Framework Derived Hollow Hierarchical Porous Carbon Spheres for Advanced Lithiumâ€“Selenium Batteries. ACS Applied Materials & Interfaces, 2016, 8, 16063-16070.	4.0	106
15	Design and Construction of Sodium Polysulfides Defense System for Roomâ€Temperature Naâ€“S Battery. Advanced Science, 2019, 6, 1901557.	5.6	106
16	Metal chalcogenide hollow polar bipyramid prisms as efficient sulfur hosts for Na-S batteries. Nature Communications, 2020, 11, 5242.	5.8	102
17	A Mini-Review: MXene composites for sodium/potassium-ion batteries. Nanoscale, 2020, 12, 15993-16007.	2.8	102
18	A highly efficient double-hierarchical sulfur host for advanced lithiumâ€“sulfur batteries. Chemical Science, 2018, 9, 666-675.	3.7	97

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19	Uniform Î±-Ni(OH)2 hollow spheres constructed from ultrathin nanosheets as efficient polysulfide mediator for long-term lithium-sulfur batteries. Energy Storage Materials, 2017, 8, 202-208.	9.5	93
20	Theoretical and Experimental Study of Vanadium-Based Fluorophosphate Cathodes for Rechargeable Batteries. Chemistry of Materials, 2014, 26, 3089-3097.	3.2	90
21	Exploration of NaVOPO4 as a cathode for a Na-ion battery. Chemical Communications, 2013, 49, 5280.	2.2	85
22	Self-Supported FeCo₂S₄ Nanotube Arrays as Binder-Free Cathodes for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 43707-43715.	4.0	75
23	MXene-derivative pompon-like Na2Ti3O7@C anode material for advanced sodium ion batteries. Chemical Engineering Journal, 2019, 378, 122209.	6.6	75
24	Na_{3.12}Fe_{2.44}(P₂O₇)₂/multi-walled carbon nanotube composite as a cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 17224-17229.	5.2	74
25	Solvent-mediated directionally self-assembling MoS₂ nanosheets into a novel worm-like structure and its application in sodium batteries. Journal of Materials Chemistry A, 2015, 3, 9932-9937.	5.2	74
26	A Fe3N/carbon composite electrocatalyst for effective polysulfides regulation in room-temperature Na-S batteries. Nature Communications, 2021, 12, 6347.	5.8	71
27	Nickel Hollow Spheres Concatenated by Nitrogenâ€Doped Carbon Fibers for Enhancing Electrochemical Kinetics of Sodiumâ€“Sulfur Batteries. Advanced Science, 2020, 7, 1902617.	5.6	70
28	Selenium Encapsulated into Metalâ€“Organic Frameworks Derived N-Doped Porous Carbon Polyhedrons as Cathode for Naâ€“Se Batteries. ACS Applied Materials & Interfaces, 2017, 9, 41339-41346.	4.0	69
29	TiOxNy nanoparticles/C composites derived from MXene as anode material for potassium-ion batteries. Chemical Engineering Journal, 2019, 369, 828-833.	6.6	68
30	A chemically bonded CoNiO2 nanoparticles/MXene composite as anode for sodium-ion batteries. Materials Letters, 2018, 230, 173-176.	1.3	65
31	Lowâ€Operating Temperature, Highâ€Rate and Durable Solidâ€State Sodiumâ€Ion Battery Based on Polymer Electrolyte and Prussian Blue Cathode. Advanced Energy Materials, 2020, 10, 1903351.	10.2	64
32	2D MXene Materials for Sodium Ion Batteries: A review on Energy Storage. Journal of Energy Storage, 2021, 37, 102478.	3.9	62
33	A railway-like network electrode design for room temperature Naâ€“S battery. Journal of Materials Chemistry A, 2019, 7, 150-156.	5.2	60
34	MoP nanoparticles with a P-rich outermost atomic layer embedded in N-doped porous carbon nanofibers: Self-supported electrodes for efficient hydrogen generation. Nano Research, 2018, 11, 4728-4734.	5.8	59
35	Preparation of MoS₂/Ti₃C₂T_x composite as anode material with enhanced sodium/lithium storage performance. Inorganic Chemistry Frontiers, 2019, 6, 117-125.	3.0	59
36	Rational construction of rGO/VO2 nanoflowers as sulfur multifunctional hosts for room temperature Na-S batteries. Chemical Engineering Journal, 2020, 379, 122359.	6.6	59

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37	Synthesis and application of ultra-long Na_{0.44}MnO₂ submicron slabs as a cathode material for Na-ion batteries. RSC Advances, 2014, 4, 38140-38143.	1.7	57
38	Confined selenium within metal-organic frameworks derived porous carbon microcubes as cathode for rechargeable lithiumâ€“selenium batteries. Journal of Power Sources, 2017, 341, 53-59.	4.0	56
39	Investigation of Fe₂N@carbon encapsulated in N-doped graphene-like carbon as a catalyst in sustainable zincâ€“air batteries. Catalysis Science and Technology, 2017, 7, 5670-5676.	2.1	56
40	Engineering the nanostructure of molybdenum nitride nanodot embedded N-doped porous hollow carbon nanochains for rapid all pH hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 14734-14741.	5.2	56
41	Highly Puffed Co₉S₈/Carbon Nanofibers: A Functionalized S Carrier for Superior Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2019, 11, 26798-26806.	4.0	55
42	One-Dimensional Integrated MnS@Carbon Nanoreactors Hybrid: An Alternative Anode for Full-Cell Li-Ion and Na-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 27911-27919.	4.0	53
43	Maximizing Energy Storage of Flexible Aqueous Batteries through Decoupling Charge Carriers. Advanced Energy Materials, 2021, 11, 2003982.	10.2	53
44	Porous graphene to encapsulate Na_{6.24}Fe_{4.88}(P₂O₇)₄ as composite cathode materials for Na-ion batteries. Chemical Communications, 2015, 51, 13120-13122.	2.2	51
45	MXene-derived three-dimensional carbon nanotube network encapsulate CoS₂ nanoparticles as an anode material for solid-state sodium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 3018-3026.	5.2	51
46	Yolk-shell porous carbon spheres@CoSe2 nanosheets as multilayer defenses system of polysulfide for advanced Li-S batteries. Chemical Engineering Journal, 2021, 413, 127521.	6.6	49
47	Puzzle-inspired carbon dots coupled with cobalt phosphide for constructing a highly-effective overall water splitting interface. Chemical Communications, 2020, 56, 257-260.	2.2	48
48	Fabrication of WS2-nanoflowers@rGO composite as an anode material for enhanced electrode performance in lithium-ion batteries. Journal of Colloid and Interface Science, 2017, 488, 20-25.	5.0	47
49	Rechargeable K-Se batteries based on metal-organic-frameworks-derived porous carbon matrix confined selenium as cathode materials. Journal of Colloid and Interface Science, 2019, 539, 326-331.	5.0	47
50	Detailed investigation of a NaTi₂(PO₄)₃ anode prepared by pyro-synthesis for Na-ion batteries. RSC Advances, 2016, 6, 45605-45611.	1.7	46
51	Putting Nanoarmors on Yolkâ€“Shell Si@C Nanoparticles: A Reliable Engineering Way To Build Better Si-Based Anodes for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 24157-24163.	4.0	46
52	A rough endoplasmic reticulum-like VSe₂/rGO anode for superior sodium-ion capacitors. Inorganic Chemistry Frontiers, 2019, 6, 2935-2943.	3.0	46
53	A Se-hollow porous carbon composite for high-performance rechargeable Kâ€“Se batteries. Inorganic Chemistry Frontiers, 2019, 6, 2118-2125.	3.0	46
54	Construction of a bimetallic nickelâ€“cobalt selenide pompon used as a superior anode material for high performance sodium storage. Inorganic Chemistry Frontiers, 2020, 7, 1003-1011.	3.0	46

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55	Design and synthesis of Coâ€“Nâ€“C porous catalyst derived from metal organic complexes for highly effective ORR. Dalton Transactions, 2017, 46, 15646-15650.	1.6	44
56	Electrospun graphene-wrapped Na_{6.24}Fe_{4.88}(P₂O₇)₄ nanofibers as a high-performance cathode for sodium-ion batteries. Physical Chemistry Chemical Physics, 2017, 19, 17270-17277.	1.3	42
57	Self-Supported CdP₂â€“CDsâ€“CoP for High-Performance OER Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 1297-1303.	3.2	42
58	Sodium-Rich Ferric Pyrophosphate Cathode for Stationary Room-Temperature Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 502-508.	4.0	41
59	In Situ Engineering Toward Core Regions: A Smart Way to Make Applicable FeF₃@Carbon Nanoreactor Cathodes for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 17992-18000.	4.0	40
60	Muscle-like electrode design for Li-Te batteries. Energy Storage Materials, 2018, 10, 10-15.	9.5	40
61	Double-walled N-doped carbon@NiCo₂S₄ hollow capsules as SeS₂ hosts for advanced Liâ€“SeS₂ batteries. Journal of Materials Chemistry A, 2019, 7, 12276-12282.	5.2	40
62	Nanoporous V-Doped Ni₅P₄ Microsphere: A Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction at All pH. ACS Applied Materials & Interfaces, 2020, 12, 37092-37099.	4.0	40
63	A 3D porous interconnected NaVPO₄F/C network: preparation and performance for Na-ion batteries. RSC Advances, 2015, 5, 40065-40069.	1.7	39
64	Efficient Catalytic Conversion of Polysulfides by Biomimetic Design of â€œBranch-Leafâ€•Electrode for High-Energy Sodiumâ€“Sulfur Batteries. Nano-Micro Letters, 2021, 13, 50.	14.4	39
65	Improving the Performance of Hard Carbon//Na₃V₂O₂(PO₄)₂F Sodium-Ion Full Cells by Utilizing the Adsorption Process of Hard Carbon. ACS Applied Materials & Interfaces, 2018, 10, 16581-16587.	4.0	37
66	A highly-effective nitrogen-doped porous carbon sponge electrode for advanced Kâ€“Se batteries. Inorganic Chemistry Frontiers, 2020, 7, 1182-1189.	3.0	36
67	An N-doped porous carbon/MXene composite as a sulfur host for lithiumâ€“sulfur batteries. Inorganic Chemistry Frontiers, 2019, 6, 2894-2899.	3.0	35
68	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
69	Highly Efficient Sodiumâ€Ion Storage Enabled by an rGOâ€Wrapped FeSe₂ Composite. ChemSusChem, 2021, 14, 1336-1343.	3.6	34
70	An excellent full sodium-ion capacitor derived from a single Ti-based metalâ€“organic framework. Journal of Materials Chemistry A, 2018, 6, 24860-24868.	5.2	33
71	An MXene-based aerogel with cobalt nanoparticles as an efficient sulfur host for room-temperature Naâ€“S batteries. Inorganic Chemistry Frontiers, 2020, 7, 4396-4403.	3.0	33
72	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

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73	Manipulating irreversible phase transition of NaCrO2 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
74	Jackfruit-like electrode design for advanced Na-Se batteries. Journal of Power Sources, 2019, 443, 227245.	4.0	32
75	Carbon-wrapped cobalt nanoparticles on graphene aerogel for solid-state room-temperature sodium-sulfur batteries. Chemical Engineering Journal, 2020, 388, 124210.	6.6	32
76	A Strategy for Polysulfides/Polyselenides Protection Based on Co₉S₈@SiO₂/C Host in Naâ€“SeS₂ Batteries. Advanced Functional Materials, 2021, 31, 2001952.	7.8	32
77	Challenges and prospects of nickel-rich layered oxide cathode material. Journal of Alloys and Compounds, 2022, 909, 164727.	2.8	32
78	Efficient Production of Coaxial Coreâ€“Shell MnO@Carbon Nanopipes for Sustainable Electrochemical Energy Storage Applications. ACS Sustainable Chemistry and Engineering, 2017, 5, 6288-6296.	3.2	31
79	(001) Facet-Dominated Hierarchically Hollow Na₂Ti₃O₇ as a High-Rate Anode Material for Sodium-Ion Capacitors. ACS Applied Materials & Interfaces, 2019, 11, 42197-42205.	4.0	31
80	High-Rate and Long-Life Sodium-Ion Batteries Based on Sponge-like Three-Dimensional Porous Na-Rich Ferric Pyrophosphate Cathode Material. ACS Applied Materials & Interfaces, 2019, 11, 5107-5113.	4.0	30
81	Exploration of a calciumâ€“organic framework as an anode material for sodium-ion batteries. Chemical Communications, 2016, 52, 9969-9971.	2.2	29
82	FeF₃@Thin Nickel Ammine Nitrate Matrix: Smart Configurations and Applications as Superior Cathodes for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 16240-16247.	4.0	29
83	Rib-like hierarchical porous carbon as reservoir for long-life and high-rate Li-Te batteries. Electrochimica Acta, 2017, 250, 10-15.	2.6	29
84	Synthesis of hollow porous carbon microspheres and their application to room-temperature Na-S batteries. Materials Letters, 2018, 221, 66-69.	1.3	29
85	Facile synthesis of mesoporous NH4V4O10 nanoflowers with high performance as cathode material for lithium battery. Journal of Materials Science, 2018, 53, 2045-2053.	1.7	28
86	Metal-organic complex derived hierarchical porous carbon as host matrix for rechargeable Na-Se batteries. Electrochimica Acta, 2018, 276, 21-27.	2.6	28
87	Curtailing Carbon Usage with Addition of Functionalized NiFe2O4 Quantum Dots: Toward More Practical S Cathodes for Liâ€“S Cells. Nano-Micro Letters, 2020, 12, 145.	14.4	27
88	Lowâ€Barrier, Dendriteâ€Free, and Stable Na Plating/Stripping Enabled by Gradient Sodiophilic Carbon Skeleton. Advanced Energy Materials, 2021, 11, .	10.2	27
89	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions. Nature Communications, 2022, 13, 1863.	5.8	27
90	Self-Template Synthesis of Prussian Blue Analogue Hollow Polyhedrons as Superior Sodium Storage Cathodes. ACS Applied Materials & Interfaces, 2021, 13, 37187-37193.	4.0	26

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91	Sulfur encapsulation into yolk-shell Fe2N@nitrogen doped carbon for ambient-temperature sodium-sulfur battery cathode. Chemical Engineering Journal, 2022, 429, 132389.	6.6	26
92	Exploration of Na₇Fe_{4.5}(P₂O₇)₄ as a cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 16531-16535.	5.2	25
93	Flexible electrode constructed by encapsulating ultrafine VSe2 in carbon fiber for quasi-solid-state sodium ion batteries. Journal of Power Sources, 2020, 470, 228438.	4.0	25
94	Enhanced electrochemical performance of Na_{0.5}Ni_{0.25}Mn_{0.75}O₂ micro-sheets at 3.8 V for Na-ion batteries with nanosized-thin AlF₃ coating. Nanoscale, 2018, 10, 12625-12630.	2.8	24
95	Facile and Scale Synthesis of Co/N/S-Doped Porous Graphene-Like Carbon Architectures as Electrocatalysts for Sustainable Zinc-Air Battery Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 7743-7749.	3.2	24
96	Facile synthesis of Cu2S nanoplates as anode for potassium ion batteries. Materials Letters, 2020, 262, 127048.	1.3	24
97	Multi-step Controllable Catalysis Method for the Defense of Sodium Polysulfide Dissolution in Room-Temperature Naâ€“S Batteries. ACS Applied Materials & Interfaces, 2021, 13, 11852-11860.	4.0	24
98	A new calcium metal organic frameworks (Ca-MOF) for sodium ion batteries. Materials Letters, 2021, 286, 129264.	1.3	24
99	Creating a rechargeable world. CheM, 2022, 8, 312-318.	5.8	24
100	Pyro-synthesis of a nanostructured NaTi2(PO4)3/C with a novel lower voltage plateau for rechargeable sodium-ion batteries. Journal of Colloid and Interface Science, 2016, 474, 88-92.	5.0	23
101	Half-cell and full-cell applications of sodium ion batteries based on carbon-coated Na3Fe0.5V1.5(PO4)3 nanoparticles cathode. Electrochimica Acta, 2018, 283, 1475-1481.	2.6	23
102	Mass Production of Metallic Fe@Carbon Nanoparticles with Plastic and Rusty Wastes for High-Capacity Anodes of Niâ€“Fe Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 10995-11003.	3.2	23
103	In Situ Packaging FeF_x into Sack-like Carbon Nanoreactors: A Smart Way To Make Soluble Fluorides Applicable to Aqueous Batteries. ACS Applied Materials & Interfaces, 2016, 8, 3874-3882.	4.0	22
104	Aspergillus flavus Conidia-derived Carbon/Sulfur Composite as a Cathode Material for High Performance Lithiumâ€“Sulfur Battery. Scientific Reports, 2016, 6, 18739.	1.6	22
105	Porous carbon derived from Sunflower as a host matrix for ultra-stable lithiumâ€“selenium battery. Journal of Colloid and Interface Science, 2017, 490, 747-753.	5.0	22
106	Highly efficient Fe-N-C oxygen reduction electrocatalyst engineered by sintering atmosphere. Journal of Power Sources, 2020, 449, 227497.	4.0	22
107	Novel CdFe Bimetallic Complex-Derived Ultrasmall Fe- and N-Codoped Carbon as a Highly Efficient Oxygen Reduction Catalyst. ACS Applied Materials & Interfaces, 2019, 11, 21481-21488.	4.0	21
108	Cubic KTi 2 (PO 4) 3 as electrode materials for sodium-ion batteries. Journal of Colloid and Interface Science, 2016, 483, 67-72.	5.0	20

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109	Unearth the understanding of interfacial engineering techniques on nano sulfur cathodes for steady Liâ€“S cell systems. Journal of Materials Chemistry A, 2020, 8, 11976-11985.	5.2	20
110	Low-operating temperature quasi-solid-state potassium-ion battery based on commercial materials. Journal of Colloid and Interface Science, 2021, 582, 932-939.	5.0	20
111	Smart Magnetic Interaction Promotes Efficient and Green Production of High-Quality Fe₃O₄@Carbon Nanoactives for Sustainable Aqueous Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 757-765.	3.2	19
112	Template method for fabricating Co and Ni nanoparticles/porous channels carbon for solid-state sodium-sulfur battery. Journal of Colloid and Interface Science, 2020, 578, 710-716.	5.0	19
113	Rapid synthesis of Mn3O4 by in-situ redox method and its capacitive performances. Rare Metals, 2011, 30, 81-84.	3.6	18
114	Three-dimensional nanotubes composed of carbon-anchored ultrathin MoS₂ nanosheets with enhanced lithium storage. Physical Chemistry Chemical Physics, 2016, 18, 19792-19797.	1.3	18
115	Reduced graphene oxide and Fe2(MoO4)3 composite for sodium-ion batteries cathode with improved performance. Journal of Alloys and Compounds, 2016, 674, 392-398.	2.8	18
116	Nitrogenâ€Doped Carbon as a Host for Tellurium for Highâ€Rate Liâ€“Te and Naâ€“Te Batteries. ChemSusChem, 2019, 12, 1196-1202.	3.6	18
117	3D carbon framework-supported FeSe for high-performance potassium ion batteries. Sustainable Energy and Fuels, 2020, 4, 4807-4813.	2.5	18
118	Synthesis of novel book-like K_{0.23}V₂O₅ crystals and their electrochemical behavior in lithium batteries. Chemical Communications, 2015, 51, 15290-15293.	2.2	17
119	Exploration of NbSe₂ Flakes as Reversible Host Materials for Sodiumâ€Ion and Potassiumâ€Ion Batteries. ChemistrySelect, 2018, 3, 9807-9811.	0.7	17
120	Cathode host engineering for non-lithium (Na, K and Mg) sulfur/selenium batteries: A state-of-the-art review. Nano Materials Science, 2023, 5, 119-140.	3.9	16
121	Evaluation of reduced graphene oxide-supported NiSb 2 O 6 nanocomposites for reversible lithium storage. Ceramics International, 2016, 42, 14782-14787.	2.3	15
122	Iodineâ€Doped Graphene with Opportune Interlayer Spacing as Superior Anode Materials for Highâ€Performance Lithiumâ€Ion Batteries. ChemistrySelect, 2017, 2, 5518-5523.	0.7	15
123	An iron hydroxyl phosphate microoctahedron catalyst as an efficient peroxidase mimic for sensitive and colorimetric quantification of H₂O₂ and glucose. New Journal of Chemistry, 2018, 42, 6803-6809.	1.4	15
124	A labyrinth-like network electrode design for lithiumâ€“sulfur batteries. Nanoscale, 2019, 11, 14648-14653.	2.8	15
125	Ultrafast kinetics and high capacity for Stable Sodium Storage enabled by Fe3Se4/ZnSe heterostructure engineering. Composites Part B: Engineering, 2021, 224, 109166.	5.9	15
126	Flexible MXene-Ti3C2Tx bond few-layers transition metal dichalcogenides MoS2/C spheres for fast and stable sodium storage. Chemical Engineering Journal, 2022, 427, 130960.	6.6	15

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127	Exploration of Na_{2.65}Ti_{3.35}Fe_{0.65}O₉as anode materials for Na-ion batteries. Chemical Communications, 2015, 51, 3227-3230.	2.2	14
128	Suppressed shuttling effect of polysulfides using three-dimensional nickel hydroxide polyhedrons for advanced lithium-sulfur batteries. Journal of Colloid and Interface Science, 2021, 593, 89-95.	5.0	14
129	Heterogeneous interface designing of bimetallic selenides nanocubes for superior sodium storage. Journal of Power Sources, 2021, 506, 230249.	4.0	14
130	MoO ₂ nanosheets embedded in amorphous carbon matrix for sodium-ion batteries. Royal Society Open Science, 2017, 4, 170892.	1.1	13
131	Precise preparation of layered Na_{0.5}Ni_{0.25}Mn_{0.75}O₂ micro-sheets for 3.8 V Na-ion batteries. Chemical Communications, 2017, 53, 9117-9120.	2.2	13
132	Sheet-to-layer structure of SnSe₂/MXene composite materials for advanced sodium ion battery anodes. New Journal of Chemistry, 2021, 45, 1944-1952.	1.4	13
133	Efficient Anchoring of Polysulfides Based on Self-Assembled Ti₃C₂T_x Nanosheet-Connected Hollow Co(OH)₂ Nanotubes for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 57285-57293.	4.0	12
134	Fabrication of MnO@C-CNTs composite by CVD for enhanced performance of lithium ion batteries. Ceramics International, 2016, 42, 18568-18572.	2.3	11
135	CdMn Bimetallic Complex-Derived Manganeseâ€“Nitrogen Species as Electrocatalysts for an Oxygen Reduction Reaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 12618-12625.	3.2	11
136	Na 3 V 2 O 2 (PO 4) 2 F Cathode for Highâ€Performance Quasiâ€Solidâ€State Sodiumâ€Ion Batteries with a Wide Workable Temperature Range. Energy Technology, 2020, 8, 2000494.	1.8	11
137	Evaluation of O3-type Na0.8Ni0.6Sb0.4O2 as cathode materials for sodium-ion batteries. Journal of Solid State Electrochemistry, 2016, 20, 2331-2335.	1.2	9
138	Uniform implantation of CNTs on total activated carbon surfaces: a smart engineering protocol for commercial supercapacitor applications. Nanotechnology, 2017, 28, 145402.	1.3	9
139	Exploration of Mn0.5Ti2(PO4)3@rgo composite as anode electrode for Na-ion battery. Journal of Materials Science: Materials in Electronics, 2018, 29, 4250-4255.	1.1	9
140	Facile fabrication of 3D hierarchically honeycomb-like Na7Fe4.5(P2O7)4@C nanocomposites with enhanced sodium storage performance. Journal of Alloys and Compounds, 2019, 771, 297-301.	2.8	9
141	Recent Advances of Pore Structure in Disordered Carbons for Sodium Storage: A Mini Review. Chemical Record, 2022, 22, .	2.9	9
142	A nest-like hierarchical porous V2O5 as a high-performance cathode material for Li-ion batteries. Ceramics International, 2016, 42, 16956-16960.	2.3	8
143	Na 3 TiV(PO 4) 3 /C nanoparticles for sodiumâ€ion symmetrical and full batteries. Energy Storage, 2019, 1, e74.	2.3	8
144	Na3(TiOPO4)2F microspheres as a long-life anode for Na-ion batteries. Chemical Engineering Journal, 2020, 402, 126118.	6.6	8

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145	Can domestic wastes-evolved Fe2N@Carbon hybrids serve as competitive anodes for sustainable Li/Na storage applications?. Materials Research Bulletin, 2021, 134, 111088.	2.7	8
146	Heterogeneous interface design of bimetallic selenide nanoboxes enables stable sodium storage. Inorganic Chemistry Frontiers, 2021, 8, 4796-4805.	3.0	8
147	A small molecule organic compound applied as an advanced anode material for lithium-ion batteries. Chemical Communications, 2022, 58, 697-700.	2.2	8
148	NaTi₃FeO₈: a novel anode material for sodium-ion batteries. RSC Advances, 2015, 5, 44313-44316.	1.7	7
149	Incorporating Fe into Bismuthic Anode Systems: A Smart â€œMerits Combination/Complementationâ€• Route to Build Better Niâ€“Bi Batteries. ACS Applied Materials & Interfaces, 2020, 12, 5876-5884.	4.0	7
150	Anthozoan-like porous nanocages with nano-cobalt-armed CNT multifunctional layers as a cathode material for highly stable Naâ€“S batteries. Inorganic Chemistry Frontiers, 2022, 9, 645-651.	3.0	7
151	Na_{0.56}Ti_{1.72}Fe_{0.28}O₄: a novel anode material for Na-ion batteries. RSC Advances, 2015, 5, 88556-88559.	1.7	6
152	Phase Transition Triggers Explosion-like Puffing Process to Make Popcorn-Inspired All-Conductive Anodes for Superb Aqueous Rechargeable Batteries. ACS Applied Materials & Interfaces, 2019, 11, 42365-42374.	4.0	6
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