Mao-wen Xu

List of Publications by Year
in descending order

204	9,021	44069 48	58581 82
papers	citations	h-index	g-index

205	205	205	8652
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Superior Lowâ€Cost Cathode for a Naâ€Ion Battery. Angewandte Chemie - International Edition, 2013, 52, 1964-1967.	13.8	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.	13.8	277
3	Exploration of K₂Ti₈O₁₇ as an anode material for potassium-ion batteries. Chemical Communications, 2016, 52, 11274-11276.	4.1	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.	14.9	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.	19.5	236
6	Investigation of K₃V₂(PO₄)₃/C nanocomposites as high-potential cathode materials for potassium-ion batteries. Chemical Communications, 2017, 53, 1805-1808.	4.1	206
7	Nanocubic KTi₂(PO₄)₃ electrodes for potassium-ion batteries. Chemical Communications, 2016, 52, 11661-11664.	4.1	189
8	MXenes for Nonâ€Lithiumâ€Ion (Na, K, Ca, Mg, and Al) Batteries and Supercapacitors. Advanced Energy Materials, 2021, 11, 2000681.	19.5	183
9	â€¯Circuit board-like CoS/MXene composite with superior performance for sodium storage. Chemical Engineering Journal, 2019, 357, 220-225.	12.7	143
10	Na3V2O2(PO4)2F/graphene sandwich structure for high-performance cathode of a sodium-ion battery. Physical Chemistry Chemical Physics, 2013, 15, 13032.	2.8	128
11	Electrochemical deposition of metalâ€"organic framework films and their applications. Journal of Materials Chemistry A, 2020, 8, 7569-7587.	10.3	126
12	Synthesis of SnS nanoparticle-modified MXene (Ti3C2Tx) composites for enhanced sodium storage. Journal of Alloys and Compounds, 2018, 732, 448-453.	5.5	121
13	A review on pyrophosphate framework cathode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 15006-15025.	10.3	117
14	How to avoid dendrite formation in metal batteries: Innovative strategies for dendrite suppression. Nano Energy, 2021, 86, 106142.	16.0	116
15	Assembling Hollow Cobalt Sulfide Nanocages Array on Graphene-like Manganese Dioxide Nanosheets for Superior Electrochemical Capacitors. ACS Applied Materials & Interfaces, 2017, 9, 35040-35047.	8.0	107
16	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.	8.0	106
17	Design and Construction of Sodium Polysulfides Defense System for Roomâ€Temperature Naâ€"S Battery. Advanced Science, 2019, 6, 1901557.	11.2	106
18	Facile Synthesis of Novel Networked Ultralong Cobalt Sulfide Nanotubes and Its Application in Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 25568-25573.	8.0	105

#	Article	IF	Citations
19	Metal chalcogenide hollow polar bipyramid prisms as efficient sulfur hosts for Na-S batteries. Nature Communications, 2020, 11, 5242.	12.8	102
20	A Mini-Review: MXene composites for sodium/potassium-ion batteries. Nanoscale, 2020, 12, 15993-16007.	5.6	102
21	A highly efficient double-hierarchical sulfur host for advanced lithiumâ€“sulfur batteries. Chemical Science, 2018, 9, 666-675.	7.4	97
22	Reunderstanding the Reaction Mechanism of Aqueous Znâ€“Mn Batteries with Sulfate Electrolytes: Role of the Zinc Sulfate Hydroxide. Advanced Materials, 2022, 34, e2109092.	21.0	97
23	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.	18.0	93
24	Exploration of NaVOPO4 as a cathode for a Na-ion battery. Chemical Communications, 2013, 49, 5280.	4.1	85
25	Self-Supported FeCo₂S₄ Nanotube Arrays as Binder-Free Cathodes for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 43707-43715.	8.0	75
26	MXene-derivative pompon-like Na2Ti3O7@C anode material for advanced sodium ion batteries. Chemical Engineering Journal, 2019, 378, 122209.	12.7	75
27	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.	10.3	74
28	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.	10.3	74
29	Chinese knot-like electrode design for advanced Li-S batteries. Nano Energy, 2018, 53, 354-361.	16.0	72
30	A Fe3N/carbon composite electrocatalyst for effective polysulfides regulation in room-temperature Na-S batteries. Nature Communications, 2021, 12, 6347.	12.8	71
31	Nickel Hollow Spheres Concatenated by Nitrogenâ€Doped Carbon Fibers for Enhancing Electrochemical Kinetics of Sodiumâ€“Sulfur Batteries. Advanced Science, 2020, 7, 1902617.	11.2	70
32	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.	8.0	69
33	TiOxNy nanoparticles/C composites derived from MXene as anode material for potassium-ion batteries. Chemical Engineering Journal, 2019, 369, 828-833.	12.7	68
34	A chemically bonded CoNiO2 nanoparticles/MXene composite as anode for sodium-ion batteries. Materials Letters, 2018, 230, 173-176.	2.6	65
35	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.	19.5	64
36	Carbon nanotubes implanted manganese-based MOFs for simultaneous detection of biomolecules in body fluids. Analyst, The, 2016, 141, 1279-1285.	3.5	62

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37	2D MXene Materials for Sodium Ion Batteries: A review on Energy Storage. Journal of Energy Storage, 2021, 37, 102478.	8.1	62
38	A railway-like network electrode design for room temperature Naâ€“S battery. Journal of Materials Chemistry A, 2019, 7, 150-156.	10.3	60
39	Nanostructured cobalt phosphates as excellent biomimetic enzymes to sensitively detect superoxide anions released from living cells. Biosensors and Bioelectronics, 2017, 87, 998-1004.	10.1	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. Nano Research, 2018, 11, 4728-4734.	10.4	59
41	Preparation of MoS₂/Ti₃C₂T_x composite as anode material with enhanced sodium/lithium storage performance. Inorganic Chemistry Frontiers, 2019, 6, 117-125.	6.0	59
42	Rational construction of rGO/VO2 nanoflowers as sulfur multifunctional hosts for room temperature Na-S batteries. Chemical Engineering Journal, 2020, 379, 122359.	12.7	59
43	Nanosized Metal Phosphides Embedded in Nitrogenâ€Doped Porous Carbon Nanofibers for Enhanced Hydrogen Evolution at All pH Values. Angewandte Chemie, 2018, 130, 1981-1985.	2.0	58
44	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.	3.6	57
45	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.	4.1	56
46	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.	10.3	56
47	Highly Puffed Co₉S₈/Carbon Nanofibers: A Functionalized S Carrier for Superior Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2019, 11, 26798-26806.	8.0	55
48	Critical Role of Phosphorus in Hollow Structures Cobaltâ€Based Phosphides as Bifunctional Catalysts for Water Splitting. Small, 2022, 18, e2103561.	10.0	54
49	Maximizing Energy Storage of Flexible Aqueous Batteries through Decoupling Charge Carriers. Advanced Energy Materials, 2021, 11, 2003982.	19.5	53
50	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.	4.1	51
51	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.	10.3	51
52	A gel-limiting strategy for large-scale fabrication of Feâ€“Nâ€“C single-atom ORR catalysts. Journal of Materials Chemistry A, 2021, 9, 7137-7142.	10.3	51
53	Puzzle-inspired carbon dots coupled with cobalt phosphide for constructing a highly-effective overall water splitting interface. Chemical Communications, 2020, 56, 257-260.	4.1	48
54	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.	9.4	47

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55	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.	9.4	47
56	Detailed investigation of a NaTi₂(PO₄)₃ anode prepared by pyro-synthesis for Na-ion batteries. RSC Advances, 2016, 6, 45605-45611.	3.6	46
57	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.	8.0	46
58	A rough endoplasmic reticulum-like VSe₂/rGO anode for superior sodium-ion capacitors. Inorganic Chemistry Frontiers, 2019, 6, 2935-2943.	6.0	46
59	A Se-hollow porous carbon composite for high-performance rechargeable Kâ€“Se batteries. Inorganic Chemistry Frontiers, 2019, 6, 2118-2125.	6.0	46
60	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.	6.0	46
61	Design and synthesis of Coâ€“Nâ€“C porous catalyst derived from metal organic complexes for highly effective ORR. Dalton Transactions, 2017, 46, 15646-15650.	3.3	44
62	Potassium titanium hexacyanoferrate as a cathode material for potassium-ion batteries. Journal of Physics and Chemistry of Solids, 2018, 122, 31-35.	4.0	43
63	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.	2.8	42
64	Self-Supported CdP₂â€“CDsâ€“CoP for High-Performance OER Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 1297-1303.	6.7	42
65	Sodium-Rich Ferric Pyrophosphate Cathode for Stationary Room-Temperature Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 502-508.	8.0	41
66	Interfacial engineering of Ni/V2O3 for hydrogen evolution reaction. Nano Research, 2020, 13, 2407-2412.	10.4	41
67	Muscle-like electrode design for Li-Te batteries. Energy Storage Materials, 2018, 10, 10-15.	18.0	40
68	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.	10.3	40
69	Nanoporous V-Doped Ni₅P₄ Microsphere: A Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction at All pH. ACS Applied Materials & Interfaces, 2020, 12, 37092-37099.	8.0	40
70	A synergistic Bi₂S₃/MXene composite with enhanced performance as an anode material of sodium-ion batteries. New Journal of Chemistry, 2020, 44, 3072-3077.	2.8	40
71	A 3D porous interconnected NaVPO₄F/C network: preparation and performance for Na-ion batteries. RSC Advances, 2015, 5, 40065-40069.	3.6	39
72	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.	27.0	39

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73	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.	8.0	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.	12.7	37
75	High performance mesoporous C@Se composite cathodes derived from Ni-based MOFs for Liâ€“Se batteries. RSC Advances, 2015, 5, 84038-84043.	3.6	36
76	A highly-effective nitrogen-doped porous carbon sponge electrode for advanced Kâ€“Se batteries. Inorganic Chemistry Frontiers, 2020, 7, 1182-1189.	6.0	36
77	An N-doped porous carbon/MXene composite as a sulfur host for lithiumâ€“sulfur batteries. Inorganic Chemistry Frontiers, 2019, 6, 2894-2899.	6.0	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.	3.7	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.	9.4	34
80	Highly Efficient Sodiumâ€Ion Storage Enabled by an rGOâ€Wrapped FeSe₂ Composite. ChemSusChem, 2021, 14, 1336-1343.	6.8	34
81	An excellent full sodium-ion capacitor derived from a single Ti-based metalâ€“organic framework. Journal of Materials Chemistry A, 2018, 6, 24860-24868.	10.3	33
82	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.	6.0	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.	6.0	33
84	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.	9.4	32
85	Jackfruit-like electrode design for advanced Na-Se batteries. Journal of Power Sources, 2019, 443, 227245.	7.8	32
86	Carbon-wrapped cobalt nanoparticles on graphene aerogel for solid-state room-temperature sodium-sulfur batteries. Chemical Engineering Journal, 2020, 388, 124210.	12.7	32
87	A Strategy for Polysulfides/Polyselenides Protection Based on Co₉S₈@SiO₂/C Host in Naâ€SeS₂ Batteries. Advanced Functional Materials, 2021, 31, 2001952.	14.9	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.	10.3	31
89	Efficient Production of Coaxial Coreâ€“Shell MnO@Carbon Nanopipes for Sustainable Electrochemical Energy Storage Applications. ACS Sustainable Chemistry and Engineering, 2017, 5, 6288-6296.	6.7	31
90	(001) Facet-Dominated Hierarchically Hollow Na₂Ti₃O₇ as a High-Rate Anode Material for Sodium-Ion Capacitors. ACS Applied Materials & Interfaces, 2019, 11, 42197-42205.	8.0	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. ACS Applied Materials & Interfaces, 2019, 11, 5107-5113.	8.0	30
92	Exploration of a calciumâ€"organic framework as an anode material for sodium-ion batteries. Chemical Communications, 2016, 52, 9969-9971.	4.1	29
93	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.	8.0	29
94	Rib-like hierarchical porous carbon as reservoir for long-life and high-rate Li-Te batteries. Electrochimica Acta, 2017, 250, 10-15.	5.2	29
95	Synthesis of hollow porous carbon microspheres and their application to room-temperature Na-S batteries. Materials Letters, 2018, 221, 66-69.	2.6	29
96	Constructing high effective nano-Mn3(PO4)2-chitosan in situ electrochemical detection interface for superoxide anions released from living cell. Biosensors and Bioelectronics, 2019, 133, 133-140.	10.1	29
97	Cathodic Electrodeposition of MOF Films Using Hydrogen Peroxide. Angewandte Chemie - International Edition, 2021, 60, 24950-24957.	13.8	29
98	A self-healing neutral aqueous rechargeable Zn/MnO2 battery based on modified carbon nanotubes substrate cathode. Journal of Colloid and Interface Science, 2021, 600, 83-89.	9.4	29
99	MnO₂-assisted fabrication of PANI/MWCNT composite and its application as a supercapacitor. RSC Advances, 2014, 4, 33569-33573.	3.6	28
100	Facile synthesis of mesoporous NH4V4O10 nanoflowers with high performance as cathode material for lithium battery. Journal of Materials Science, 2018, 53, 2045-2053.	3.7	28
101	Effects of Catalysis and Separator Functionalization on Highâ€Energy Lithiumâ€"Sulfur Batteries: A Complete Review. Energy and Environmental Materials, 2023, 6, .	12.8	28
102	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.	27.0	27
103	Lowâ€Barrier, Dendriteâ€Free, and Stable Na Plating/Stripping Enabled by Gradient Sodiophilic Carbon Skeleton. Advanced Energy Materials, 2021, 11, .	19.5	27
104	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions. Nature Communications, 2022, 13, 1863.	12.8	27
105	Self-Template Synthesis of Prussian Blue Analogue Hollow Polyhedrons as Superior Sodium Storage Cathodes. ACS Applied Materials & Interfaces, 2021, 13, 37187-37193.	8.0	26
106	Sulfur encapsulation into yolk-shell Fe2N@nitrogen doped carbon for ambient-temperature sodium-sulfur battery cathode. Chemical Engineering Journal, 2022, 429, 132389.	12.7	26
107	Exploration of Na₇Fe_{4.5}(P₂O₇)₄ as a cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 16531-16535.	10.3	25
108	Metal organic framework MIL-53(Fe) as an efficient artificial oxidase for colorimetric detection of cellular biothiols. Analytical Biochemistry, 2019, 577, 82-88.	2.4	25

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109	Flexible electrode constructed by encapsulating ultrafine VSe2 in carbon fiber for quasi-solid-state sodium ion batteries. Journal of Power Sources, 2020, 470, 228438.	7.8	25
110	A Cascade Battery: Coupling Two Sequential Electrochemical Reactions in a Single Battery. Advanced Materials, 2021, 33, e2105480.	21.0	25
111	Design and synthesis of carbonized polypyrrole-coated graphene aerogel acting as an efficient metal-free catalyst for oxygen reduction. RSC Advances, 2014, 4, 16979-16984.	3.6	24
112	A selenium-confined porous carbon cathode from silk cocoons for Liâ€“Se battery applications. RSC Advances, 2015, 5, 96146-96150.	3.6	24
113	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.	5.6	24
114	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.	6.7	24
115	Facile synthesis of Cu2S nanoplates as anode for potassium ion batteries. Materials Letters, 2020, 262, 127048.	2.6	24
116	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.	8.0	24
117	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.	9.4	23
118	Center-iodized graphene as an advanced anode material to significantly boost the performance of lithium-ion batteries. Nanoscale, 2018, 10, 9115-9122.	5.6	23
119	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.	5.2	23
120	Effect of nanoparticle composition on oxygen reduction reaction activity of Fe/Nâ€“C catalysts: a comparative study. Catalysis Science and Technology, 2019, 9, 711-717.	4.1	23
121	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.	6.7	23
122	Environmentally-friendly biomimicking synthesis of TiO2 nanomaterials using saccharides to tailor morphology, crystal phase and photocatalytic activity. CrystEngComm, 2013, 15, 4694.	2.6	22
123	In Situ Packaging FeF_{<i>x</i>} into Sack-like Carbon Nanoreactors: A Smart Way To Make Soluble Fluorides Applicable to Aqueous Batteries. ACS Applied Materials & Interfaces, 2016, 8, 3874-3882.	8.0	22
124	Bimetalâ€“organic-frameworks-derived yolkâ€“shell-structured porous Co₂P/ZnO@PC/CNTs hybrids for highly sensitive non-enzymatic detection of superoxide anion released from living cells. Chemical Communications, 2016, 52, 12442-12445.	4.1	22
125	Aspergillus flavus Conidia-derived Carbon/Sulfur Composite as a Cathode Material for High Performance Lithiumâ€“Sulfur Battery. Scientific Reports, 2016, 6, 18739.	3.3	22
126	Controlled synthesis of Mn3(PO4)2 hollow spheres as biomimetic enzymes for selective detection of superoxide anions released by living cells. Mikrochimica Acta, 2017, 184, 1177-1184.	5.0	22

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127	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.	9.4	22
128	Highly efficient Fe-N-C oxygen reduction electrocatalyst engineered by sintering atmosphere. Journal of Power Sources, 2020, 449, 227497.	7.8	22
129	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.	8.0	21
130	Self-assembled three-dimensional interpenetrating porous graphene aerogels with MnO2 coating and their application as high-performance supercapacitors. New Journal of Chemistry, 2013, 37, 4199.	2.8	20
131	Cubic KTi 2 (PO 4) 3 as electrode materials for sodium-ion batteries. Journal of Colloid and Interface Science, 2016, 483, 67-72.	9.4	20
132	Nanocubes composed of FeS₂@C nanoparticles as advanced anode materials for K-ion storage. Inorganic Chemistry Frontiers, 2020, 7, 394-401.	6.0	20
133	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.	10.3	20
134	Low-operating temperature quasi-solid-state potassium-ion battery based on commercial materials. Journal of Colloid and Interface Science, 2021, 582, 932-939.	9.4	20
135	Carbon-coated P2-type Na0.67Ni0.33Ti0.67O2 as an anode material for sodium ion batteries. Journal of Solid State Electrochemistry, 2015, 19, 1827-1831.	2.5	19
136	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.	6.7	19
137	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.	9.4	19
138	Three-dimensional nanotubes composed of carbon-anchored ultrathin MoS₂ nanosheets with enhanced lithium storage. Physical Chemistry Chemical Physics, 2016, 18, 19792-19797.	2.8	18
139	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.	5.5	18
140	Ternary Ni_{<i>x</i>}Co_{3âˆ'<i>x</i>}S₄ with a Fine Hollow Nanostructure as a Robust Electrocatalyst for Hydrogen Evolution. ChemCatChem, 2017, 9, 4169-4174.	3.7	18
141	Nitrogenâ€Doped Carbon as a Host for Tellurium for Highâ€Rate Liâ€“Te and Naâ€“Te Batteries. ChemSusChem, 2019, 12, 1196-1202.	6.8	18
142	3D carbon framework-supported FeSe for high-performance potassium ion batteries. Sustainable Energy and Fuels, 2020, 4, 4807-4813.	4.9	18
143	Synthesis of novel book-like K_{0.23}V₂O₅ crystals and their electrochemical behavior in lithium batteries. Chemical Communications, 2015, 51, 15290-15293.	4.1	17
144	Exploration of NbSe₂ Flakes as Reversible Host Materials for Sodiumâ€Ion and Potassiumâ€Ion Batteries. ChemistrySelect, 2018, 3, 9807-9811.	1.5	17

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145	F-Doping effects on carbon-coated Li3V2(PO4)3 as a cathode for high performance lithium rechargeable batteries: combined experimental and DFT studies. Physical Chemistry Chemical Physics, 2018, 20, 15192-15202.	2.8	16
146	Encapsulating Sulfides into Tridymite/Carbon Reactors Enables Stable Sodium Ion Conversion/Alloying Anode with High Initial Coulombic Efficiency Over 89%. Advanced Functional Materials, 2021, 31, 2009598.	14.9	16
147	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.	8.8	16
148	Iodineâ€Doped Graphene with Opportune Interlayer Spacing as Superior Anode Materials for Highâ€Performance Lithiumâ€Ion Batteries. ChemistrySelect, 2017, 2, 5518-5523.	1.5	15
149	A labyrinth-like network electrode design for lithiumâ€"sulfur batteries. Nanoscale, 2019, 11, 14648-14653.	5.6	15
150	Ultrafast kinetics and high capacity for Stable Sodium Storage enabled by Fe3Se4/ZnSe heterostructure engineering. Composites Part B: Engineering, 2021, 224, 109166.	12.0	15
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152	Chessboard structured electrode design for Li-S batteries Based on MXene nanosheets. Chemical Engineering Journal, 2022, 429, 131997.	12.7	15
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