Maowen Xu

List of Publications by Year
in descending order

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165	7,904	50276	62596
papers	citations	46 h-index	80 g-index

171	171	171	7672
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Towards high performance room temperature sodium-sulfur batteries: Strategies to avoid shuttle effect. Journal of Colloid and Interface Science, 2022, 606, 22-37.	9.4	6
3	Flexible MXene-Ti3C2Tx bond few-layers transition metal dichalcogenides MoS2/C spheres for fast and stable sodium storage. Chemical Engineering Journal, 2022, 427, 130960.	12.7	15
4	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
5	Hollow carbon spheres loaded with NiSe2 nanoplates as multifunctional SeS2 hosts for Li-SeS2 batteries. Journal of Colloid and Interface Science, 2022, 608, 2760-2767.	9.4	6
6	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.	6.0	7
7	Self-sacrificing lithium source with high electrochemical activity and water oxygen stability and its application in Si-C//S battery. Energy Storage Materials, 2022, 45, 687-695.	18.0	6
8	Creating a rechargeable world. CheM, 2022, 8, 312-318.	11.7	24
9	A small molecule organic compound applied as an advanced anode material for lithium-ion batteries. Chemical Communications, 2022, 58, 697-700.	4.1	8
10	Tessellated N-doped carbon/CoSe₂ as trap-catalyst sulfur hosts for room-temperature sodiumâ€“sulfur batteries. Inorganic Chemistry Frontiers, 2022, 9, 1743-1751.	6.0	6
11	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions. Nature Communications, 2022, 13, 1863.	12.8	27
12	Challenges and prospects of nickel-rich layered oxide cathode material. Journal of Alloys and Compounds, 2022, 909, 164727.	5.5	32
13	Rational design of 3D hierarchical MOFs-derived hollow porous carbon/Ni(OH)2 nanosheet for long-cycle Li/Naâ€“Se batteries. Composites Part B: Engineering, 2022, 239, 109948.	12.0	5
14	Recent Advances of Pore Structure in Disordered Carbons for Sodium Storage: A Mini Review. Chemical Record, 2022, 22, .	5.8	9
15	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
16	MXenes for Nonâ€Lithiumâ€Ion (Na, K, Ca, Mg, and Al) Batteries and Supercapacitors. Advanced Energy Materials, 2021, 11, 2000681.	19.5	183
17	Can domestic wastes-evolved Fe2N@Carbon hybrids serve as competitive anodes for sustainable Li/Na storage applications?. Materials Research Bulletin, 2021, 134, 111088.	5.2	8
18	Highly Efficient Sodiumâ€Ion Storage Enabled by an rGOâ€Wrapped FeSe₂ Composite. ChemSusChem, 2021, 14, 1336-1343.	6.8	34

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19	<scp> Na ₂ TiV </scp> (<scp> PO ₄ </scp>) ₃ @C composite with excellent Naâ€storage performance based on a solidâ€state polymer electrolyte membrane. International Journal of Energy Research, 2021, 45, 8008-8017.	4.5	4
20	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
21	Yolk-shell porous carbon spheres@CoSe2 nanosheets as multilayer defenses system of polysulfide for advanced Li-S batteries. Chemical Engineering Journal, 2021, 413, 127521.	12.7	49
22	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
23	Self-Supported CdP₂â€“CDsâ€“CoP for High-Performance OER Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 1297-1303.	6.7	42
24	Sheet-to-layer structure of SnSe₂/MXene composite materials for advanced sodium ion battery anodes. New Journal of Chemistry, 2021, 45, 1944-1952.	2.8	13
25	Heterogeneous interface design of bimetallic selenide nanoboxes enables stable sodium storage. Inorganic Chemistry Frontiers, 2021, 8, 4796-4805.	6.0	8
26	Maximizing Energy Storage of Flexible Aqueous Batteries through Decoupling Charge Carriers. Advanced Energy Materials, 2021, 11, 2003982.	19.5	53
27	Synthesis and comparison of inâ€situ carbonâ€decorated sodium manganese vanadium phosphate cathode and sodiumâ€ion fullâ€cell configurations. Nano Select, 2021, 2, 1544-1553.	3.7	5
28	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
29	A new calcium metal organic frameworks (Ca-MOF) for sodium ion batteries. Materials Letters, 2021, 286, 129264.	2.6	24
30	2D MXene Materials for Sodium Ion Batteries: A review on Energy Storage. Journal of Energy Storage, 2021, 37, 102478.	8.1	62
31	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
32	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.	9.4	14
33	Heterogeneous interface designing of bimetallic selenides nanocubes for superior sodium storage. Journal of Power Sources, 2021, 506, 230249.	7.8	14
34	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
35	High-rate and non-toxic Na₇Fe_{4.5}(P₂O₇)₄@C for quasi-solid-state sodium-ion batteries. Materials Chemistry Frontiers, 2021, 5, 2783-2790.	5.9	3
36	A facilely-synthesized polyanionic cathode with impressive long-term cycling stability for sodium-ion batteries. Chemical Communications, 2021, 57, 9566-9569.	4.1	2

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37	Direct synthesis of metal selenide hybrids as superior sodium storage anodes. Materials Chemistry Frontiers, 2021, 5, 7852-7860.	5.9	4
38	Lowâ€Barrier, Dendriteâ€Free, and Stable Na Plating/Stripping Enabled by Gradient Sodiophilic Carbon Skeleton. Advanced Energy Materials, 2021, 11, .	19.5	27
39	A Fe3N/carbon composite electrocatalyst for effective polysulfides regulation in room-temperature Na-S batteries. Nature Communications, 2021, 12, 6347.	12.8	71
40	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.	8.0	12
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	Facile synthesis of Cu2S nanoplates as anode for potassium ion batteries. Materials Letters, 2020, 262, 127048.	2.6	24
49	Highly efficient Fe-N-C oxygen reduction electrocatalyst engineered by sintering atmosphere. Journal of Power Sources, 2020, 449, 227497.	7.8	22
50	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
51	Metal chalcogenide hollow polar bipyramid prisms as efficient sulfur hosts for Na-S batteries. Nature Communications, 2020, 11, 5242.	12.8	102
52	3D carbon framework-supported FeSe for high-performance potassium ion batteries. Sustainable Energy and Fuels, 2020, 4, 4807-4813.	4.9	18
53	CdMn Bimetallic Complex-Derived Manganeseâ€“Nitrogen Species as Electrocatalysts for an Oxygen Reduction Reaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 12618-12625.	6.7	11
54	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.	3.8	11

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55	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
56	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
57	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
58	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
59	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
60	A Mini-Review: MXene composites for sodium/potassium-ion batteries. Nanoscale, 2020, 12, 15993-16007.	5.6	102
61	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
62	Na3(TiOPO4)2F microspheres as a long-life anode for Na-ion batteries. Chemical Engineering Journal, 2020, 402, 126118.	12.7	8
63	A highly-effective nitrogen-doped porous carbon sponge electrode for advanced Kâ€“Se batteries. Inorganic Chemistry Frontiers, 2020, 7, 1182-1189.	6.0	36
64	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.	8.0	7
65	Carbon-wrapped cobalt nanoparticles on graphene aerogel for solid-state room-temperature sodium-sulfur batteries. Chemical Engineering Journal, 2020, 388, 124210.	12.7	32
66	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
67	MXene-derivative pompon-like Na2Ti3O7@C anode material for advanced sodium ion batteries. Chemical Engineering Journal, 2019, 378, 122209.	12.7	75
68	A labyrinth-like network electrode design for lithiumâ€“sulfur batteries. Nanoscale, 2019, 11, 14648-14653.	5.6	15
69	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
70	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
71	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.	8.0	6
72	Jackfruit-like electrode design for advanced Na-Se batteries. Journal of Power Sources, 2019, 443, 227245.	7.8	32

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73	(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
74	Design and Construction of Sodium Polysulfides Defense System for Roomâ€Temperature Naâ€“S Battery. Advanced Science, 2019, 6, 1901557.	11.2	106
75	A rough endoplasmic reticulum-like VSe₂/rGO anode for superior sodium-ion capacitors. Inorganic Chemistry Frontiers, 2019, 6, 2935-2943.	6.0	46
76	A railway-like network electrode design for room temperature Naâ€“S battery. Journal of Materials Chemistry A, 2019, 7, 150-156.	10.3	60
77	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
78	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
79	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
80	Na 3 TiV(PO 4) 3 /C nanoparticles for sodiumâ€ion symmetrical and full batteries. Energy Storage, 2019, 1, e74.	4.3	8
81	A Se-hollow porous carbon composite for high-performance rechargeable Kâ€“Se batteries. Inorganic Chemistry Frontiers, 2019, 6, 2118-2125.	6.0	46
82	A review on pyrophosphate framework cathode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 15006-15025.	10.3	117
83	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
84	TiOxNy nanoparticles/C composites derived from MXene as anode material for potassium-ion batteries. Chemical Engineering Journal, 2019, 369, 828-833.	12.7	68
85	Electrode engineering starting from live biomass: a â€˜smartâ€™ way to construct smart pregnant hybrids for sustainable charge storage devices. Materials Chemistry Frontiers, 2019, 3, 796-805.	5.9	1
86	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
87	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.	5.5	9
88	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
89	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
90	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

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91	â€˜Circuit board-like CoS/MXene composite with superior performance for sodium storage. Chemical Engineering Journal, 2019, 357, 220-225.	12.7	143
92	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
93	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
94	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.	2.2	9
95	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
96	Synthesis of hollow porous carbon microspheres and their application to room-temperature Na-S batteries. Materials Letters, 2018, 221, 66-69.	2.6	29
97	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.	2.8	15
98	Synthesis of SnS nanoparticle-modified MXene (Ti3C2Tx) composites for enhanced sodium storage. Journal of Alloys and Compounds, 2018, 732, 448-453.	5.5	121
99	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
100	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
101	Sodium-Rich Ferric Pyrophosphate Cathode for Stationary Room-Temperature Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 502-508.	8.0	41
102	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
103	A highly efficient double-hierarchical sulfur host for advanced lithiumâ€“sulfur batteries. Chemical Science, 2018, 9, 666-675.	7.4	97
104	Muscle-like electrode design for Li-Te batteries. Energy Storage Materials, 2018, 10, 10-15.	18.0	40
105	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
106	Self-Supported FeCo₂S₄ Nanotube Arrays as Binder-Free Cathodes for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 43707-43715.	8.0	75
107	Exploration of NbSe₂ Flakes as Reversible Host Materials for Sodiumâ€Ion and Potassiumâ€Ion Batteries. ChemistrySelect, 2018, 3, 9807-9811.	1.5	17
108	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

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109	Metal-organic complex derived hierarchical porous carbon as host matrix for rechargeable Na-Se batteries. Electrochimica Acta, 2018, 276, 21-27.	5.2	28
110	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
111	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
112	A chemically bonded CoNiO2 nanoparticles/MXene composite as anode for sodium-ion batteries. Materials Letters, 2018, 230, 173-176.	2.6	65
113	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.	8.0	53
114	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
115	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
116	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
117	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.	8.0	40
118	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
119	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
120	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
121	One-step Solvothermal Synthesis of Two-dimensional Ultrathin Na3[Ti2P2O10F] Nanosheets for Lithium/Sodium Storage. Electrochimica Acta, 2017, 246, 141-147.	5.2	3
122	Uniform implantation of CNTs on total activated carbon surfaces: a smart engineering protocol for commercial supercapacitor applications. Nanotechnology, 2017, 28, 145402.	2.6	9
123	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.	7.8	56
124	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
125	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
126	MoO ₂ nanosheets embedded in amorphous carbon matrix for sodium-ion batteries. Royal Society Open Science, 2017, 4, 170892.	2.4	13

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127	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
128	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
129	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
130	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.	4.1	13
131	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
132	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
133	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
134	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
135	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.	8.0	22
136	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
137	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
138	Fabrication of MnO@C-CNTs composite by CVD for enhanced performance of lithium ion batteries. Ceramics International, 2016, 42, 18568-18572.	4.8	11
139	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
140	A nest-like hierarchical porous V2O5 as a high-performance cathode material for Li-ion batteries. Ceramics International, 2016, 42, 16956-16960.	4.8	8
141	Exploration of K₂Ti₈O₁₇ as an anode material for potassium-ion batteries. Chemical Communications, 2016, 52, 11274-11276.	4.1	240
142	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
143	Nanocubic KTi₂(PO₄)₃ electrodes for potassium-ion batteries. Chemical Communications, 2016, 52, 11661-11664.	4.1	189
144	Evaluation of reduced graphene oxide-supported NiSb 2 O 6 nanocomposites for reversible lithium storage. Ceramics International, 2016, 42, 14782-14787.	4.8	15

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145	Exploration of a calciumâ€“organic framework as an anode material for sodium-ion batteries. Chemical Communications, 2016, 52, 9969-9971.	4.1	29
146	Evaluation of O3-type Na0.8Ni0.6Sb0.4O2 as cathode materials for sodium-ion batteries. Journal of Solid State Electrochemistry, 2016, 20, 2331-2335.	2.5	9
147	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
148	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
149	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
150	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
151	Exploration of Na_{2.65}Ti_{3.35}Fe_{0.65}O₉as anode materials for Na-ion batteries. Chemical Communications, 2015, 51, 3227-3230.	4.1	14
152	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
153	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
154	A 3D porous interconnected NaVPO₄F/C network: preparation and performance for Na-ion batteries. RSC Advances, 2015, 5, 40065-40069.	3.6	39
155	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
156	NaTi₃FeO₈: a novel anode material for sodium-ion batteries. RSC Advances, 2015, 5, 44313-44316.	3.6	7
157	Na_{0.56}Ti_{1.72}Fe_{0.28}O₄: a novel anode material for Na-ion batteries. RSC Advances, 2015, 5, 88556-88559.	3.6	6
158	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
159	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
160	Theoretical and Experimental Study of Vanadium-Based Fluorophosphate Cathodes for Rechargeable Batteries. Chemistry of Materials, 2014, 26, 3089-3097.	6.7	90
161	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
162	Exploration of NaVOPO4 as a cathode for a Na-ion battery. Chemical Communications, 2013, 49, 5280.	4.1	85

#	Article	IF	Citations
163	A Superior Lowâ€Cost Cathode for a Naâ€Ion Battery. Angewandte Chemie - International Edition, 2013, 52, 1964-1967.	13.8	698
164	Rapid synthesis of Mn3O4 by in-situ redox method and its capacitive performances. Rare Metals, 2011, 30, 81-84.	7.1	18
165	Bacterial cellulose network based gel polymer electrolyte for quasi-solid-state sodium-ion battery. Journal of Materials Science: Materials in Electronics, 0, , .	2.2	1