Shu-Lei Chou

List of Publications by Year
in descending order

396	33,851	2427	5829
papers	citations	97 h-index	161 g-index

403	403	403	22104
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bifunctional carbon-based cathode catalysts for zinc-air battery: A review. Chinese Chemical Letters, 2022, 33, 683-692.	9.0	45
2	Key Factors for Binders to Enhance the Electrochemical Performance of Silicon Anodes through Molecular Design. Small, 2022, 18, e2101680.	10.0	34
3	Packing Sulfur Species by Phosphoreneâ€Derived Catalytic Interface for Electroliteâ€Lean Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2022, 32, 2106966.	14.9	27
4	Organic Cathode Materials for Sodiumâ€Ion Batteries: From Fundamental Research to Potential Commercial Application. Advanced Functional Materials, 2022, 32, 2107718.	14.9	75
5	Advanced Characterization Techniques Paving the Way for Commercialization of Lowâ€Cost Prussian Blue Analog Cathodes. Advanced Functional Materials, 2022, 32, 2108616.	14.9	35
6	Activating MoS₂ Nanoflakes via Sulfur Defect Engineering Wrapped on CNTs for Stable and Efficient Liâ€O₂ Batteries. Advanced Functional Materials, 2022, 32, 2108153.	14.9	74
7	Novel Li₃VO₄ Nanostructures Grown in Highly Efficient Microwave Irradiation Strategy and Their Inâ€Situ Lithium Storage Mechanism. Advanced Science, 2022, 9, e2103493.	11.2	23
8	Confining Zeroâ€Valent Platinum Single Atoms in Î±â€MoC_{1â^'}_x for pHâ€Universal Hydrogen Evolution Reaction. Advanced Functional Materials, 2022, 32, 2108464.	14.9	43
9	Co Nanoparticles Encapsulated in Nâ€Doped Carbon Nanotubes Grafted CNTs as Electrocatalysts for Enhanced Oxygen Reduction Reaction. Advanced Materials Interfaces, 2022, 9, .	3.7	8
10	The Emerging Electrochemical Activation Tactic for Aqueous Energy Storage: Fundamentals, Applications, and Future. Advanced Functional Materials, 2022, 32, .	14.9	34
11	Recent advances in heterostructured cathodic electrocatalysts for non-aqueous Liâ€“O₂batteries. Chemical Science, 2022, 13, 2841-2856.	7.4	20
12	Battery technology and sustainable energy storage and conversion as a new energy resource replacing fossil fuels. , 2022, 1, .		10
13	Electrolytes/Interphases: Enabling Distinguishable Sulfur Redox Processes in Roomâ€Temperature Sodiumâ€Sulfur Batteries. Advanced Energy Materials, 2022, 12, .	19.5	29
14	Continuous Carbon Channels Enable Full Naâ€Ion Accessibility for Superior Roomâ€Temperature Naâ€“S Batteries. Advanced Materials, 2022, 34, e2108363.	21.0	49
15	Ice-Assisted Synthesis of Highly Crystallized Prussian Blue Analogues for All-Climate and Long-Calendar-Life Sodium Ion Batteries. Nano Letters, 2022, 22, 1302-1310.	9.1	68
16	A High Conductivity 1D Ï€â€“d Conjugated Metalâ€“Organic Framework with Efficient Polysulfide Trappingâ€Diffusionâ€Catalysis in Lithiumâ€“Sulfur Batteries. Advanced Materials, 2022, 34, e2108835.	21.0	86
17	Regulation of morphology evolution and Mn dissolution for ultra-long cycled spinel LiMn2O4 cathode materials by B-doping. Journal of Power Sources, 2022, 524, 231073.	7.8	21
18	Diminishing the Uncoordinated N Species in Co-N-C Catalysts toward Highly Efficient Electrochemical CO₂ Reduction. ACS Catalysis, 2022, 12, 2513-2521.	11.2	38

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19	Streamline Sulfur Redox Reactions to Achieve Efficient Roomâ€Temperature Sodiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	38
20	Polyoxometalate Ionic Sponge Enabled Dendriteâ€Free and Highly Stable Lithium Metal Anode. Small Methods, 2022, 6, e2101613.	8.6	17
21	Streamline Sulfur Redox Reactions to Achieve Efficient Roomâ€Temperature Sodiumâ€“Sulfur Batteries. Angewandte Chemie, 2022, 134, .	2.0	3
22	Prussian Blue Analogues for Sodiumâ€Ion Batteries: Past, Present, and Future. Advanced Materials, 2022, 34, e2108384.	21.0	252
23	Enhanced photoluminescence of hollow CaWO₄ microspheres: the fast fabrication, structural manipulation, and exploration of the growth mechanism. Materials Chemistry Frontiers, 2022, 6, 1046-1055.	5.9	4
24	Two-dimensional calcium terephthalate as a low-cost, high-performance anode for sodium-ion batteries. Chemical Communications, 2022, 58, 4048-4051.	4.1	8
25	Graphene-Supported Naphthalene-Based Polyimide Composite as a High-Performance Sodium Storage Cathode. ACS Applied Materials & Interfaces, 2022, 14, 11448-11456.	8.0	8
26	Effect of Eliminating Water in Prussian Blue Cathode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	14.9	66
27	Enhanced Polysulfide Conversion with Highly Conductive and Electrocatalytic Iodineâ€Doped Bismuth Selenide Nanosheets in Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2022, 32, .	14.9	49
28	Recent progress on three-dimensional nanoarchitecture anode materials for lithium/sodium storage. Journal of Materials Science and Technology, 2022, 119, 167-181.	10.7	26
29	Toward <scp>highâ€performance lithiumâ€oxygen</scp> batteries with cobaltâ€based transition metal oxide catalysts: Advanced strategies and mechanical insights. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	17.3	29
30	Manipulating the Water Dissociation Electrocatalytic Sites of Bimetallic Nickelâ€Based Alloys for Highly Efficient Alkaline Hydrogen Evolution. Angewandte Chemie, 2022, 134, .	2.0	7
31	Manipulating the Water Dissociation Electrocatalytic Sites of Bimetallic Nickelâ€Based Alloys for Highly Efficient Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, .	13.8	124
32	Highâ€Voltage, Highly Reversible Sodium Batteries Enabled by Fluorineâ€Rich Electrode/Electrolyte Interphases. Small Methods, 2022, 6, e2200209.	8.6	22
33	Architecting Braided Porous Carbon Fibers Based on Highâ€Density Catalytic Crystal Planes to Achieve Highly Reversible Sodiumâ€Ion Storage. Advanced Science, 2022, 9, e2104780.	11.2	13
34	Twoâ€inâ€one shell configuration for bimetal selenides toward fast sodium storage within broadened voltage windows. , 2022, 4, 586-597.		10
35	Vanadium-based cathodes for aqueous zinc-ion batteries: Mechanism, design strategies and challenges. Energy Storage Materials, 2022, 50, 21-46.	18.0	79
36	Research Development on Aqueous Ammoniumâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	14.9	58

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37	Ball Milling Solidâ€State Synthesis of Highly Crystalline Prussian Blue Analogue Na_{2â^'x}MnFe(CN)₆Cathodes for Allâ€Climate Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	53
38	Ball Milling Solidâ€State Synthesis of Highly Crystalline Prussian Blue Analogue Na_{2â^'x}MnFe(CN)₆Cathodes for Allâ€Climate Sodiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	2.0	11
39	Organic Small Molecules with Electrochemicalâ€Active Phenolic Enolate Groups for Readyâ€toâ€Charge Organic Sodiumâ€Ion Batteries. Small Methods, 2022, 6, .	8.6	15
40	Hard carbon derived from hazelnut shell with facile HCl treatment as high-initial-coulombic-efficiency anode for sodium ion batteries. Sustainable Materials and Technologies, 2022, 33, e00446.	3.3	18
41	Formulating Highâ€Rate and Longâ€Cycle Heterostructured Layered Oxide Cathodes by Local Chemistry and Orbital Hybridization Modulation for Sodiumâ€Ion Batteries. Advanced Materials, 2022, 34, .	21.0	48
42	Na_{1.51}Fe[Fe(CN)₆]_{0.87}Â·1.83H₂O Hollow Nanospheres via Nonâ€Aqueous Ballâ€Milling Route to Achieve High Initial Coulombic Efficiency and High Rate Capability in Sodiumâ€Ion Batteries. Small Methods, 2022, 6, .	8.6	15
43	Phase Engineering of Defective Copper Selenide toward Robust Lithiumâ€“Sulfur Batteries. ACS Nano, 2022, 16, 11102-11114.	14.6	50
44	Strain Engineering by Local Chemistry Manipulation of Triphase Heterostructured Oxide Cathodes to Facilitate Phase Transitions for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2022, 12, .	19.5	25
45	Effects of carbon on electrochemical performance of red phosphorus (P) and carbon composite as anode for sodium ion batteries. Journal of Materials Science and Technology, 2021, 68, 140-146.	10.7	20
46	Bifunctional Effects of Cation Additive on Naâ€O₂Batteries. Angewandte Chemie, 2021, 133, 3242-3248.	2.0	9
47	Bifunctional Effects of Cation Additive on Naâ€O₂Batteries. Angewandte Chemie - International Edition, 2021, 60, 3205-3211.	13.8	35
48	Efficient separators with fast Li-ion transfer and high polysulfide entrapment for superior lithium-sulfur batteries. Chemical Engineering Journal, 2021, 408, 127348.	12.7	25
49	Rechargeable Sodiumâ€Based Hybrid Metalâ€Ion Batteries toward Advanced Energy Storage. Advanced Functional Materials, 2021, 31, 2006457.	14.9	39
50	Hard Carbon Anodes: Fundamental Understanding and Commercial Perspectives for Naâ€Ion Batteries beyond Liâ€Ion and Kâ€Ion Counterparts. Advanced Energy Materials, 2021, 11, .	19.5	282
51	Inâ€Situ Electrochemically Activated Surface Vanadium Valence in V₂C MXene to Achieve High Capacity and Superior Rate Performance for Znâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2008033.	14.9	156
52	Sustainable S cathodes with synergic electrocatalysis for room-temperature Naâ€“S batteries. Journal of Materials Chemistry A, 2021, 9, 566-574.	10.3	39
53	Polymer electrolytes for sodium-ion batteries. Energy Storage Materials, 2021, 36, 10-30.	18.0	82
54	Sodium transition metal oxides: the preferred cathode choice for future sodium-ion batteries?. Energy and Environmental Science, 2021, 14, 158-179.	30.8	224

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55	Critical Advances in Ambient Air Operation of Nonaqueous Rechargeable Liâ€“Air Batteries. Small, 2021, 17, e1903854.	10.0	45
56	Li₂Sâ€Based Liâ€Ion Sulfur Batteries: Progress and Prospects. Small, 2021, 17, e1903934.	10.0	41
57	Surface and Interface Engineering: Molybdenum Carbideâ€“Based Nanomaterials for Electrochemical Energy Conversion. Small, 2021, 17, e1903380.	10.0	87
58	Recent Progress on Layered Cathode Materials for Nonaqueous Rechargeable Magnesium Batteries. Small, 2021, 17, e1902767.	10.0	55
59	Recent Progress on the Alloyâ€Based Anode for Sodiumâ€Ion Batteries and Potassiumâ€Ion Batteries. Small, 2021, 17, e1903194.	10.0	284
60	Cobalt Chalcogenides/Cobalt Phosphides/Cobaltates with Hierarchical Nanostructures for Anode Materials of Lithiumâ€Ion Batteries: Improving the Lithiation Environment. Small, 2021, 17, e1903418.	10.0	30
61	Two-Dimensional Material-Based Heterostructures for Rechargeable Batteries. Cell Reports Physical Science, 2021, 2, 100286.	5.6	30
62	Defect-free-induced Na⁺ disordering in electrode materials. Energy and Environmental Science, 2021, 14, 3130-3140.	30.8	62
63	A Li₃VO₄micro/nanoscale anode with fast ion transportation for advanced lithium-ion batteries: a mini-review. Journal of Materials Chemistry C, 2021, 9, 14981-14996.	5.5	15
64	Materials engineering for adsorption and catalysis in room-temperature Naâ€“S batteries. Energy and Environmental Science, 2021, 14, 3757-3795.	30.8	62
65	Mini-review: progress on micro/nanoscale MnMoO₄as an electrode material for advanced supercapacitor applications. Materials Chemistry Frontiers, 2021, 5, 7403-7418.	5.9	19
66	CuP2 as high-capacity and long-cycle-life anode for potassium-ion batteries. Journal of Energy Chemistry, 2021, 63, 246-252.	12.9	18
67	Manipulating metalâ€“sulfur interactions for achieving highâ€performance S cathodes for room temperature Li/Naâ€“sulfur batteries. , 2021, 3, 253-270.		37
68	Tunable Electrocatalytic Behavior of Sodiated MoS₂ Active Sites toward Efficient Sulfur Redox Reactions in Roomâ€Temperature Naâ€“S Batteries. Advanced Materials, 2021, 33, e2100229.	21.0	66
69	From Fundamental Research to Applications: The Success Story of the Institute for Superconducting and Electronic Materials. Small, 2021, 17, e2007636.	10.0	1
70	Ultraâ€High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. Angewandte Chemie, 2021, 133, 11582-11587.	2.0	17
71	Nonâ€Noble Metalâ€Based Catalysts Applied to Hydrogen Evolution from Hydrolysis of Boron Hydrides. Small Structures, 2021, 2, 2000135.	12.0	19
72	Carbonaceous Hosts for Sulfur Cathode in Alkaliâ€Metal/S (Alkali Metal = Lithium, Sodium, Potassium) Batteries. Small, 2021, 17, e2006504.	10.0	17

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73	Architecting Amorphous Vanadium Oxide/MXene Nanohybrid via Tunable Anodic Oxidation for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2100757.	19.5	99
74	Atomic Cobalt Vacancyâ€Cluster Enabling Optimized Electronic Structure for Efficient Water Splitting. Advanced Functional Materials, 2021, 31, 2101797.	14.9	26
75	Enhancing the understanding of the redox properties of lithium-inserted anthraquinone derivatives by regulating molecular structure. Journal of Electroanalytical Chemistry, 2021, 887, 115172.	3.8	6
76	Ultraâ€High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. Angewandte Chemie - International Edition, 2021, 60, 11481-11486.	13.8	124
77	Facile Synthesis of Birnessite Î´-MnO₂ and Carbon Nanotube Composites as Effective Catalysts for Li-CO₂ Batteries. ACS Applied Materials & Interfaces, 2021, 13, 16585-16593.	8.0	29
78	A Lowâ€Strain Potassiumâ€Rich Prussian Blue Analogue Cathode for High Power Potassiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 13050-13056.	13.8	90
79	A Lowâ€Strain Potassiumâ€Rich Prussian Blue Analogue Cathode for High Power Potassiumâ€Ion Batteries. Angewandte Chemie, 2021, 133, 13160-13166.	2.0	16
80	Hierarchical Ti₃C₂T_x MXene/Carbon Nanotubes for Low Overpotential and Long-Life Li-CO₂ Batteries. ACS Nano, 2021, 15, 8407-8417.	14.6	54
81	Understanding Sulfur Redox Mechanisms in Different Electrolytes for Room-Temperature Naâ€“S Batteries. Nano-Micro Letters, 2021, 13, 121.	27.0	31
82	Fluorine/Nitrogen Co-Doped Porous Carbons Derived from Covalent Triazine Frameworks for High-Performance Supercapacitors. ACS Applied Energy Materials, 2021, 4, 4519-4529.	5.1	21
83	Architecting Freestanding Sulfur Cathodes for Superior Roomâ€Temperature Naâ€“S Batteries. Advanced Functional Materials, 2021, 31, 2102280.	14.9	46
84	In Situ Lattice Tunnel Distortion of Vanadium Trioxide for Enhancing Zinc Ion Storage. Advanced Energy Materials, 2021, 11, 2100973.	19.5	74
85	Understanding the Effects of the Low-Concentration Electrolyte on the Performance of High-Energy-Density Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28405-28414.	8.0	19
86	A P3-Type K_{1/2}Mn_{5/6}Mg_{1/12}Ni_{1/12}O₂ Cathode Material for Potassium-Ion Batteries with High Structural Reversibility Secured by the Mgâ€“Ni Pinning Effect. ACS Applied Materials & Interfaces, 2021, 13, 28369-28377.	8.0	29
87	Recent Progress on Two-Dimensional Carbon Materials for Emerging Post-Lithium (Na+, K+, Zn2+) Hybrid Supercapacitors. Polymers, 2021, 13, 2137.	4.5	19
88	Research progress of flexible sodium-ion batteries derived from renewable polymer materials. Electrochemistry Communications, 2021, 128, 107067.	4.7	17
89	Epitaxial Nickel Ferrocyanide Stabilizes Jahnâ€“Teller Distortions of Manganese Ferrocyanide for Sodiumâ€Ion Batteries. Angewandte Chemie, 2021, 133, 18667-18674.	2.0	25
90	Epitaxial Nickel Ferrocyanide Stabilizes Jahnâ€“Teller Distortions of Manganese Ferrocyanide for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 18519-18526.	13.8	63

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91	Chaotropic Anion and Fast-Kinetics Cathode Enabling Low-Temperature Aqueous Zn Batteries. ACS Energy Letters, 2021, 6, 2704-2712.	17.4	153
92	Recent Progress on Intercalationâ€Based Anode Materials for Lowâ€Cost Sodiumâ€Ion Batteries. ChemSusChem, 2021, 14, 3724-3743.	6.8	20
93	Electrochemical release of catalysts in nanoreactors for solid sulfur redox reactions in room-temperature sodium-sulfur batteries. Cell Reports Physical Science, 2021, 2, 100539.	5.6	20
94	NbSe₂ Meets C₂N: A 2Dâ€2D Heterostructure Catalysts as Multifunctional Polysulfide Mediator in Ultraâ€Longâ€Life Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2101250.	19.5	89
95	Atomically dispersed S-Fe-N4 for fast kinetics sodium-sulfur batteries via a dual function mechanism. Cell Reports Physical Science, 2021, 2, 100531.	5.6	31
96	Soft-Carbon-Coated, Free-Standing, Low-Defect, Hard-Carbon Anode To Achieve a 94% Initial Coulombic Efficiency for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 44358-44368.	8.0	50
97	Quinone-Based Conducting Three-Dimensional Metalâ€“Organic Framework as a Cathode Material for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2021, 125, 20814-20820.	3.1	27
98	Structural insights into the dynamic and controlled multiphase evolution of layered-spinel heterostructured sodium oxide cathode. Cell Reports Physical Science, 2021, 2, 100547.	5.6	23
99	Dual carbon-hosted Co-N3 enabling unusual reaction pathway for efficient oxygen reduction reaction. Applied Catalysis B: Environmental, 2021, 297, 120390.	20.2	46
100	Copper phosphide as a promising anode material for potassium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 8378-8385.	10.3	16
101	Temperature-regulated biomass-derived hard carbon as a superior anode for sodium-ion batteries. Materials Chemistry Frontiers, 2021, 5, 7595-7605.	5.9	11
102	Developing better ester- and ether-based electrolytes for potassium-ion batteries. Chemical Science, 2021, 12, 2345-2356.	7.4	43
103	Electrochemical energy storage devices working in extreme conditions. Energy and Environmental Science, 2021, 14, 3323-3351.	30.8	140
104	Strategies for boosting carbon electrocatalysts for the oxygen reduction reaction in non-aqueous metalâ€“air battery systems. Journal of Materials Chemistry A, 2021, 9, 6671-6693.	10.3	37
105	Binders for sodium-ion batteries: progress, challenges and strategies. Chemical Communications, 2021, 57, 12406-12416.	4.1	26
106	The modulation of the discharge plateau of benzoquinone for sodium-ion batteries. International Journal of Minerals, Metallurgy and Materials, 2021, 28, 1675-1683.	4.9	8
107	Spinel/Post-spinel engineering on layered oxide cathodes for sodium-ion batteries. EScience, 2021, 1, 13-27.	41.6	194
108	Lowâ€Cost Polyanionâ€Type Sulfate Cathode for Sodiumâ€Ion Battery. Advanced Energy Materials, 2021, 11, 2101751.	19.5	48

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109	Activating Inert Surface Pt Single Atoms via Subsurface Doping for Oxygen Reduction Reaction. Nano Letters, 2021, 21, 7970-7978.	9.1	33
110	Conductive CuCoâ€Based Bimetal Organic Framework for Efficient Hydrogen Evolution. Advanced Materials, 2021, 33, e2106781.	21.0	116
111	MnCo₂S₄â€CoS_{1.097} Heterostructure Nanotubes as High Efficiency Cathode Catalysts for Stable and Longâ€Life Lithiumâ€Oxygen Batteries Under High Current Conditions. Advanced Science, 2021, 8, e2103302.	11.2	42
112	Processing Rusty Metals into Versatile Prussian Blue for Sustainable Energy Storage. Advanced Energy Materials, 2021, 11, 2102356.	19.5	41
113	Activating a Multielectron Reaction of NASICON-Structured Cathodes toward High Energy Density for Sodium-Ion Batteries. Journal of the American Chemical Society, 2021, 143, 18091-18102.	13.7	96
114	Fireâ€Retardant, Stableâ€Cycling and Highâ€Safety Sodium Ion Battery. Angewandte Chemie, 2021, 133, 27292-27300.	2.0	17
115	Fireâ€Retardant, Stableâ€Cycling and Highâ€Safety Sodium Ion Battery. Angewandte Chemie - International Edition, 2021, 60, 27086-27094.	13.8	63
116	The Dual Functions of Defectâ€Rich Carbon Nanotubes as Both Conductive Matrix and Efficient Mediator for Liï£¿S Batteries. Small, 2021, 17, e2103535.	10.0	23
117	Dynamic structural evolution and controllable redox potential for abnormal high-voltage sodium layered oxide cathodes. Cell Reports Physical Science, 2021, 2, 100631.	5.6	19
118	Alkali and alkaline-earth metal ionâ€“solvent co-intercalation reactions in nonaqueous rechargeable batteries. Chemical Science, 2021, 12, 15206-15218.	7.4	6
119	Regulation of Morphology and Electronic Structure of FeCoNi Layered Double Hydroxides for Highly Active and Stable Water Oxidization Catalysts. Advanced Energy Materials, 2021, 11, .	19.5	94
120	Tailoring the structure of silicon-based materials for lithium-ion batteries via electrospinning technology. EScience, 2021, 1, 141-162.	41.6	137
121	Synthesis Strategies and Structural Design of Porous Carbonâ€Incorporated Anodes for Sodiumâ€Ion Batteries. Small Methods, 2020, 4, 1900163.	8.6	49
122	Remedies for Polysulfide Dissolution in Roomâ€Temperature Sodiumâ€“Sulfur Batteries. Advanced Materials, 2020, 32, e1903952.	21.0	96
123	Cobaltâ€Encapsulated Nitrogenâ€Doped Carbon Nanotube Arrays for Flexible Zincâ€“Air Batteries. Small Methods, 2020, 4, 1900571.	8.6	91
124	Manipulating 2D Fewâ€Layer Metal Sulfides as Anode Towards Enhanced Sodiumâ€Ion Batteries. Batteries and Supercaps, 2020, 3, 236-253.	4.7	16
125	Development and Investigation of a NASICONâ€Type Highâ€Voltage Cathode Material for Highâ€Power Sodiumâ€Ion Batteries. Angewandte Chemie, 2020, 132, 2470-2477.	2.0	26
126	Development and Investigation of a NASICONâ€Type Highâ€Voltage Cathode Material for Highâ€Power Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 2449-2456.	13.8	101

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127	The application of hollow micro-/nanostructured cathodes for sodium-ion batteries. Materials Chemistry Frontiers, 2020, 4, 1289-1303.	5.9	30
128	Emerging polyanionic and organic compounds for high energy density, non-aqueous potassium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 16061-16080.	10.3	37
129	Facile Synthesis of Hierarchical Hollow CoP@C Composites with Superior Performance for Sodium and Potassium Storage. Angewandte Chemie - International Edition, 2020, 59, 5159-5164.	13.8	142
130	Facile Synthesis of Hierarchical Hollow CoP@C Composites with Superior Performance for Sodium and Potassium Storage. Angewandte Chemie, 2020, 132, 5197-5202.	2.0	19
131	Stress Distortion Restraint to Boost the Sodium Ion Storage Performance of a Novel Binary Hexacyanoferrate. Advanced Energy Materials, 2020, 10, 1903006.	19.5	67
132	Designing Advanced Vanadiumâ€Based Materials to Achieve Electrochemically Active Multielectron Reactions in Sodium/Potassiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2002244.	19.5	79
133	A Metalâ€“Polymer Hybrid Biomimetic System for use in the Chemodynamicâ€Enhanced Photothermal Therapy of Cancers. Small, 2020, 16, e2004161.	10.0	40
134	General Synthesis of Singleâ€Atom Catalysts for Hydrogen Evolution Reactions and Roomâ€Temperature Naâ€S Batteries. Angewandte Chemie - International Edition, 2020, 59, 22171-22178.	13.8	80
135	Multiregion Janus-Featured Cobalt Phosphide-Cobalt Composite for Highly Reversible Room-Temperature Sodium-Sulfur Batteries. ACS Nano, 2020, 14, 10284-10293.	14.6	81
136	Electron Delocalization and Dissolutionâ€Restraint in Vanadium Oxide Superlattices to Boost Electrochemical Performance of Aqueous Zincâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2001852.	19.5	125
137	High-yielding carbon nanofibers grown on NIPS-derived porous nickel as a flexible electrode for supercapacitors. Materials Chemistry Frontiers, 2020, 4, 2976-2981.	5.9	13
138	Confining Ultrathin 2D Superlattices in Mesoporous Hollow Spheres Renders Ultrafast and Highâ€Capacity Naâ€Ion Storage. Advanced Energy Materials, 2020, 10, 2001033.	19.5	25
139	General Synthesis of Singleâ€Atom Catalysts for Hydrogen Evolution Reactions and Roomâ€Temperature Naâ€S Batteries. Angewandte Chemie, 2020, 132, 22355-22362.	2.0	62
140	Multifunctionalities of Graphene for Exploiting a Facile Conversion Reaction Route of Perovskite CoSnO₃ for Highly Reversible Na Ion Storage. Journal of Physical Chemistry Letters, 2020, 11, 7988-7995.	4.6	5
141	Tailoring MXene-Based Materials for Sodium-Ion Storage: Synthesis, Mechanisms, and Applications. Electrochemical Energy Reviews, 2020, 3, 766-792.	25.5	86
142	Single-atom Ru anchored in nitrogen-doped MXene (Ti₃C₂T_x) as an efficient catalyst for the hydrogen evolution reaction at all pH values. Journal of Materials Chemistry A, 2020, 8, 24710-24717.	10.3	102
143	Sodiumâ€“Sulfur Batteries: Remedies for Polysulfide Dissolution in Roomâ€Temperature Sodiumâ€“Sulfur Batteries (Adv. Mater. 18/2020). Advanced Materials, 2020, 32, 2070145.	21.0	2
144	Conductive Boron Nitride as Promising Catalyst Support for the Oxygen Evolution Reaction. Advanced Energy Materials, 2020, 10, 1902521.	19.5	28

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145	Identifying Dense NiSe₂/CoSe₂ Heterointerfaces Coupled with Surface Highâ€Valence Bimetallic Sites for Synergistically Enhanced Oxygen Electrocatalysis. Advanced Materials, 2020, 32, e2000607.	21.0	251
146	Boosting up the Li-CO2 Battery by the Ultrathin RuRh Nanosheet. Matter, 2020, 2, 1356-1358.	10.0	5
147	Nanostructured CoS₂-Decorated Hollow Carbon Spheres: A Performance Booster for Li-Ion/Sulfur Batteries. ACS Applied Energy Materials, 2020, 3, 6447-6459.	5.1	17
148	Layered mesoporous CoO/reduced graphene oxide with strong interfacial coupling as a high-performance anode for lithium-ion batteries. Journal of Alloys and Compounds, 2020, 843, 156050.	5.5	32
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