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	Advances and Challenges in Metal Sulfides/Selenides for Nextâ€Generation Rechargeable Sodiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1700606.	21.0	726
2	Sodiumâ€Ion Batteries: From Academic Research to Practical Commercialization. Advanced Energy Materials, 2018, 8, 1701428.	19.5	494
3	Reduced graphene oxide with superior cycling stability and rate capability for sodium storage. Carbon, 2013, 57, 202-208.	10.3	491
4	Recent Developments on and Prospects for Electrode Materials with Hierarchical Structures for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1701415.	19.5	436
5	Necklace-like Multishelled Hollow Spinel Oxides with Oxygen Vacancies for Efficient Water Electrolysis. Journal of the American Chemical Society, 2018, 140, 13644-13653.	13.7	430
6	Electrodeposition of MnO2 nanowires on carbon nanotube paper as free-standing, flexible electrode for supercapacitors. Electrochemistry Communications, 2008, 10, 1724-1727.	4.7	419
7	Enhanced reversible lithium storage in a nanosize silicon/graphene composite. Electrochemistry Communications, 2010, 12, 303-306.	4.7	402
8	Cobaltâ€Doped FeS₂ Nanospheres with Complete Solid Solubility as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 12822-12826.	13.8	394
9	Simply Mixed Commercial Red Phosphorus and Carbon Nanotube Composite with Exceptionally Reversible Sodium-Ion Storage. Nano Letters, 2013, 13, 5480-5484.	9.1	390
10	Uniform yolk-shell iron sulfideâ€“carbon nanospheres for superior sodiumâ€“iron sulfide batteries. Nature Communications, 2015, 6, 8689.	12.8	374
11	Rapid Synthesis of Li₄Ti₅O₁₂ Microspheres as Anode Materials and Its Binder Effect for Lithium-Ion Battery. Journal of Physical Chemistry C, 2011, 115, 16220-16227.	3.1	368
12	Sulfurâ€“mesoporous carbon composites in conjunction with a novel ionic liquid electrolyte for lithium rechargeable batteries. Carbon, 2008, 46, 229-235.	10.3	361
13	Small things make a big difference: binder effects on the performance of Li and Na batteries. Physical Chemistry Chemical Physics, 2014, 16, 20347-20359.	2.8	347
14	Atomicâ€Scale CoO_x Species in Metalâ€“Organic Frameworks for Oxygen Evolution Reaction. Advanced Functional Materials, 2017, 27, 1702546.	14.9	327
15	Flexible free-standing carbon nanotube films for model lithium-ion batteries. Carbon, 2009, 47, 2976-2983.	10.3	306
16	Atomic cobalt as an efficient electrocatalyst in sulfur cathodes for superior room-temperature sodium-sulfur batteries. Nature Communications, 2018, 9, 4082.	12.8	305
17	Hollow Structured Li₃VO₄ Wrapped with Graphene Nanosheets in Situ Prepared by a One-Pot Template-Free Method as an Anode for Lithium-Ion Batteries. Nano Letters, 2013, 13, 4715-4720.	9.1	303
18	Sn_{4+x}P₃ @ Amorphous Snâ€P Composites as Anodes for Sodiumâ€Ion Batteries with Low Cost, High Capacity, Long Life, and Superior Rate Capability. Advanced Materials, 2014, 26, 4037-4042.	21.0	298

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19	Ultrafine SnO₂nanoparticle loading onto reduced graphene oxide as anodes for sodium-ion batteries with superior rate and cycling performances. Journal of Materials Chemistry A, 2014, 2, 529-534.	10.3	297
20	Recent Progress on the Alloyâ€Based Anode for Sodiumâ€Ion Batteries and Potassiumâ€Ion Batteries. Small, 2021, 17, e1903194.	10.0	284
21	Reversible structural evolution of sodium-rich rhombohedral Prussian blue for sodium-ion batteries. Nature Communications, 2020, 11, 980.	12.8	283
22	Development of MoS₂â€“CNT Composite Thin Film from Layered MoS₂ for Lithium Batteries. Advanced Energy Materials, 2013, 3, 798-805.	19.5	282
23	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
24	Achieving High-Performance Room-Temperature Sodiumâ€“Sulfur Batteries With S@Interconnected Mesoporous Carbon Hollow Nanospheres. Journal of the American Chemical Society, 2016, 138, 16576-16579.	13.7	280
25	The Cathode Choice for Commercialization of Sodiumâ€Ion Batteries: Layered Transition Metal Oxides versus Prussian Blue Analogs. Advanced Functional Materials, 2020, 30, 1909530.	14.9	276
26	Roomâ€Temperature Sodiumâ€Sulfur Batteries: A Comprehensive Review on Research Progress and Cell Chemistry. Advanced Energy Materials, 2017, 7, 1602829.	19.5	270
27	Cobaltâ€Doped FeS₂ Nanospheres with Complete Solid Solubility as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Angewandte Chemie, 2016, 128, 13014-13018.	2.0	268
28	Quinone Electrode Materials for Rechargeable Lithium/Sodium Ion Batteries. Advanced Energy Materials, 2017, 7, 1700278.	19.5	268
29	NASICON-type air-stable and all-climate cathode for sodium-ion batteries with low cost and high-power density. Nature Communications, 2019, 10, 1480.	12.8	260
30	Electrodeposition synthesis and electrochemical properties of nanostructured Î³-MnO2 films. Journal of Power Sources, 2006, 162, 727-734.	7.8	253
31	Prussian Blue Analogues for Sodiumâ€Ion Batteries: Past, Present, and Future. Advanced Materials, 2022, 34, e2108384.	21.0	252
32	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
33	Recent Progress of Layered Transition Metal Oxide Cathodes for Sodiumâ€Ion Batteries. Small, 2019, 15, e1805381.	10.0	246
34	Nanocomposite Materials for the Sodiumâ€“Ion Battery: A Review. Small, 2018, 14, 1702514.	10.0	244
35	Yolk-shell silicon-mesoporous carbon anode with compact solid electrolyte interphase film for superior lithium-ion batteries. Nano Energy, 2015, 18, 133-142.	16.0	238
36	Mo₂C/CNT: An Efficient Catalyst for Rechargeable Liâ€“CO₂ Batteries. Advanced Functional Materials, 2017, 27, 1700564.	14.9	236

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37	Flexible free-standing graphene-silicon composite film for lithium-ion batteries. Electrochemistry Communications, 2010, 12, 1467-1470.	4.7	234
38	Electronic and Defective Engineering of Electrospun CaMnO₃ Nanotubes for Enhanced Oxygen Electrocatalysis in Rechargeable Zincâ€“Air Batteries. Advanced Energy Materials, 2018, 8, 1800612.	19.5	234
39	Silicon/Mesoporous Carbon/Crystalline TiO₂ Nanoparticles for Highly Stable Lithium Storage. ACS Nano, 2016, 10, 10524-10532.	14.6	230
40	Research Progress in MnO₂â€“Carbon Based Supercapacitor Electrode Materials. Small, 2018, 14, e1702883.	10.0	230
41	General Ïâ€Electronâ€Assisted Strategy for Ir, Pt, Ru, Pd, Fe, Ni Singleâ€Atom Electrocatalysts with Bifunctional Active Sites for Highly Efficient Water Splitting. Angewandte Chemie - International Edition, 2019, 58, 11868-11873.	13.8	229
42	High-surface-area Î±-Fe2O3/carbon nanocomposite: one-step synthesis and its highly reversible and enhanced high-rate lithium storage properties. Journal of Materials Chemistry, 2010, 20, 2092.	6.7	228
43	Feâ€Niâ€Mo Nitride Porous Nanotubes for Full Water Splitting and Znâ€Air Batteries. Advanced Energy Materials, 2018, 8, 1802327.	19.5	227
44	Chemical Properties, Structural Properties, and Energy Storage Applications of Prussian Blue Analogues. Small, 2019, 15, e1900470.	10.0	226
45	Sodium transition metal oxides: the preferred cathode choice for future sodium-ion batteries?. Energy and Environmental Science, 2021, 14, 158-179.	30.8	224
46	Graphene wrapped LiFePO4/C composites as cathode materials for Li-ion batteries with enhanced rate capability. Journal of Materials Chemistry, 2012, 22, 16465.	6.7	206
47	High Capacity, Safety, and Enhanced Cyclability of Lithium Metal Battery Using a V₂O₅ Nanomaterial Cathode and Room Temperature Ionic Liquid Electrolyte. Chemistry of Materials, 2008, 20, 7044-7051.	6.7	205
48	Critical thickness of phenolic resin-based carbon interfacial layer for improving long cycling stability of silicon nanoparticle anodes. Nano Energy, 2016, 27, 255-264.	16.0	204
49	The effect of different binders on electrochemical properties of LiNi1/3Mn1/3Co1/3O2 cathode material in lithium ion batteries. Journal of Power Sources, 2013, 225, 172-178.	7.8	202
50	Manganese based layered oxides with modulated electronic and thermodynamic properties for sodium ion batteries. Nature Communications, 2019, 10, 5203.	12.8	202
51	Facile synthesis of a interleaved expanded graphite-embedded sulphur nanocomposite as cathode of Liâ€“S batteries with excellent lithium storage performance. Journal of Materials Chemistry, 2012, 22, 4744.	6.7	195
52	Spinel/Post-spinel engineering on layered oxide cathodes for sodium-ion batteries. EScience, 2021, 1, 13-27.	41.6	194
53	Highâ€Performance Sodiumâ€Ion Batteries and Sodiumâ€Ion Pseudocapacitors Based on MoS₂/Graphene Composites. Chemistry - A European Journal, 2014, 20, 9607-9612.	3.3	192
54	Recent research progresses in etherâ€and esterâ€based electrolytes for sodiumâ€ion batteries. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 376-389.	17.3	183

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55	Free-standing single-walled carbon nanotube/SnO2 anode paper for flexible lithium-ion batteries. Carbon, 2012, 50, 1289-1297.	10.3	179
56	Highâ€Abundance and Lowâ€Cost Metalâ€Based Cathode Materials for Sodiumâ€Ion Batteries: Problems, Progress, and Key Technologies. Advanced Energy Materials, 2019, 9, 1803609.	19.5	176
57	Multifunctional conducing polymer coated Na1+MnFe(CN)6 cathode for sodium-ion batteries with superior performance via a facile and one-step chemistry approach. Nano Energy, 2015, 13, 200-207.	16.0	165
58	Longâ€Life Roomâ€Temperature Sodiumâ€“Sulfur Batteries by Virtue of Transitionâ€Metalâ€Nanoclusterâ€“Sulfur Interactions. Angewandte Chemie - International Edition, 2019, 58, 1484-1488.	13.8	165
59	Facile Method To Synthesize Na-Enriched Na_{1+x}FeFe(CN)₆ Frameworks as Cathode with Superior Electrochemical Performance for Sodium-Ion Batteries. Chemistry of Materials, 2015, 27, 1997-2003.	6.7	163
60	Carbonâ€Coated Na_{3.32}Fe_{2.34}(P₂O₇)₂ Cathode Material for Highâ€Rate and Longâ€Life Sodiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1605535.	21.0	161
61	Cobalt phosphide as a new anode material for sodium storage. Journal of Power Sources, 2015, 294, 627-632.	7.8	158
62	A Metalâ€Free, Freeâ€Standing, Macroporous Graphene@gâ€C₃N₄ Composite Air Electrode for Highâ€Energy Lithium Oxygen Batteries. Small, 2015, 11, 2817-2824.	10.0	157
63	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
64	A new, cheap, and productive FeP anode material for sodium-ion batteries. Chemical Communications, 2015, 51, 3682-3685.	4.1	154
65	Chaotropic Anion and Fast-Kinetics Cathode Enabling Low-Temperature Aqueous Zn Batteries. ACS Energy Letters, 2021, 6, 2704-2712.	17.4	153
66	Nickel sulfide nanocrystals on nitrogen-doped porous carbon nanotubes with high-efficiency electrocatalysis for room-temperature sodium-sulfur batteries. Nature Communications, 2019, 10, 4793.	12.8	147
67	Spray pyrolyzed NiOâ€“C nanocomposite as an anode material for the lithium-ion battery with enhanced capacity retention. Solid State Ionics, 2010, 180, 1646-1651.	2.7	144
68	Current Progress on Rechargeable Magnesiumâ€“Air Battery. Advanced Energy Materials, 2017, 7, 1700869.	19.5	144
69	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
70	Electrochemical energy storage devices working in extreme conditions. Energy and Environmental Science, 2021, 14, 3323-3351.	30.8	140
71	Tailoring the structure of silicon-based materials for lithium-ion batteries via electrospinning technology. EScience, 2021, 1, 141-162.	41.6	137
72	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge. , 2019, 1, 217-229.		135

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73	Highly Ambient-Stable 1T-MoS₂ and 1T-WS₂ by Hydrothermal Synthesis under High Magnetic Fields. ACS Nano, 2019, 13, 1694-1702.	14.6	131
74	Improving the electrochemical performance of the LiNi_{0.5}Mn_{1.5}O₄spinel by polypyrrole coating as a cathode material for the lithium-ion battery. Journal of Materials Chemistry A, 2015, 3, 404-411.	10.3	130
75	Silicon/Single-Walled Carbon Nanotube Composite Paper as a Flexible Anode Material for Lithium Ion Batteries. Journal of Physical Chemistry C, 2010, 114, 15862-15867.	3.1	128
76	Atomicâ€Local Environments of Singleâ€Atom Catalysts: Synthesis, Electronic Structure, and Activity. Advanced Energy Materials, 2019, 9, 1900722.	19.5	128
77	Structural design of anode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 6183-6205.	10.3	127
78	A Highâ€Kinetics Sulfur Cathode with a Highly Efficient Mechanism for Superior Roomâ€Temperature Naâ€“S Batteries. Advanced Materials, 2020, 32, e1906700.	21.0	126
79	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
80	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
81	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
82	Rapid synthesis of Î±-Fe2O3/rGO nanocomposites by microwave autoclave as superior anodes for sodium-ion batteries. Journal of Power Sources, 2015, 280, 107-113.	7.8	123
83	Electrochemical deposition of porous Co3O4 nanostructured thin film for lithium-ion battery. Journal of Power Sources, 2008, 182, 359-364.	7.8	118
84	Commercial Prospects of Existing Cathode Materials for Sodium Ion Storage. Advanced Energy Materials, 2017, 7, 1700274.	19.5	118
85	Conductive CuCoâ€Based Bimetal Organic Framework for Efficient Hydrogen Evolution. Advanced Materials, 2021, 33, e2106781.	21.0	116
86	A phosphorus/N-doped carbon nanofiber composite as an anode material for sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 19011-19017.	10.3	113
87	Understanding Highâ€Rate K⁺â€Solvent Coâ€Intercalation in Natural Graphite for Potassiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 12917-12924.	13.8	112
88	ZnSe Microsphere/Multiwalled Carbon Nanotube Composites as High-Rate and Long-Life Anodes for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 19626-19632.	8.0	111
89	Phosphorus and phosphide nanomaterials for sodium-ion batteries. Nano Research, 2017, 10, 4055-4081.	10.4	111
90	SnO2-coated multiwall carbon nanotube composite anode materials for rechargeable lithium-ion batteries. Electrochimica Acta, 2010, 56, 314-320.	5.2	107

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91	Multiangular Rod-Shaped Na_{0.44}MnO₂ as Cathode Materials with High Rate and Long Life for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 3644-3652.	8.0	107
92	Porous AgPdâ€“Pd Composite Nanotubes as Highly Efficient Electrocatalysts for Lithiumâ€“Oxygen Batteries. Advanced Materials, 2015, 27, 6862-6869.	21.0	106
93	Significant enhancement of the cycling performance and rate capability of the P/C composite via chemical bonding (Pâ€“C). Journal of Materials Chemistry A, 2016, 4, 505-511.	10.3	106
94	Reversible sodium storage via conversion reaction of a MoS₂â€“C composite. Chemical Communications, 2014, 50, 10730-10733.	4.1	105
95	An Alternative to Lithium Metal Anodes: Nonâ€dendritic and Highly Reversible Sodium Metal Anodes for Liâ€“Na Hybrid Batteries. Angewandte Chemie - International Edition, 2018, 57, 14796-14800.	13.8	102
96	P2-type Na_{2/3}Ni_{1/3}Mn_{2/3}O₂ as a cathode material with high-rate and long-life for sodium ion storage. Journal of Materials Chemistry A, 2019, 7, 9215-9221.	10.3	102
97	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
98	Construction of 3D pomegranate-like Na₃V₂(PO₄)₃/conducting carbon composites for high-power sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 9833-9841.	10.3	101
99	A Novel Graphene Oxide Wrapped Na₂Fe₂(SO₄)₃/C Cathode Composite for Long Life and High Energy Density Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1800944.	19.5	101
100	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
101	Ultrathin 2D TiS₂ Nanosheets for High Capacity and Longâ€Life Sodium Ion Batteries. Advanced Energy Materials, 2019, 9, 1803210.	19.5	100
102	Electrocatalyzing S Cathodes via Multisulfiphilic Sites for Superior Room-Temperature Sodiumâ€“Sulfur Batteries. ACS Nano, 2020, 14, 7259-7268.	14.6	100
103	Fabrication of Superior Singleâ€Atom Catalysts toward Diverse Electrochemical Reactions. Small Methods, 2019, 3, 1800497.	8.6	99
104	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
105	Full Activation of Mn⁴⁺/Mn³⁺ Redox in Na₄MnCr(PO₄)₃ as a Highâ€Voltage and Highâ€Rate Cathode Material for Sodiumâ€Ion Batteries. Small, 2020, 16, e2001524.	10.0	98
106	The Quasiâ€Ptâ€Allotrope Catalyst: Hollow PtCo@singleâ€Atom Pt₁ on Nitrogenâ€Doped Carbon toward Superior Oxygen Reduction. Advanced Functional Materials, 2019, 29, 1807340.	14.9	97
107	Structureâ€“Property Relationships of Organic Electrolytes and Their Effects on Li/S Battery Performance. Advanced Materials, 2017, 29, 1700449.	21.0	96
108	Remedies for Polysulfide Dissolution in Roomâ€Temperature Sodiumâ€“Sulfur Batteries. Advanced Materials, 2020, 32, e1903952.	21.0	96

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109	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
110	Controlled synthesis of copper telluride nanostructures for long-cycling anodes in lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 11683.	10.3	94
111	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
112	Nanocomposites of silicon and carbon derived from coal tar pitch: Cheap anode materials for lithium-ion batteries with long cycle life and enhanced capacity. Electrochimica Acta, 2013, 93, 213-221.	5.2	93
113	All Carbon Dual Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 35978-35983.	8.0	93
114	Na₃V₂(PO₄)₃ particles partly embedded in carbon nanofibers with superb kinetics for ultra-high power sodium ion batteries. Journal of Materials Chemistry A, 2015, 3, 1005-1009.	10.3	92
115	A Hydrostable Cathode Material Based on the Layered P2@P3 Composite that Shows Redox Behavior for Copper in Highâ€Rate and Longâ€Cycling Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 1412-1416.	13.8	92
116	Cobaltâ€Encapsulated Nitrogenâ€Doped Carbon Nanotube Arrays for Flexible Zincâ€“Air Batteries. Small Methods, 2020, 4, 1900571.	8.6	91
117	Recent progress on iron- and manganese-based anodes for sodium-ion and potassium-ion batteries. Energy Storage Materials, 2019, 19, 163-178.	18.0	90
118	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
119	Functional membrane separators for next-generation high-energy rechargeable batteries. National Science Review, 2017, 4, 917-933.	9.5	89
120	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
121	Organic Crossâ€Linker Enabling a 3D Porous Skeletonâ€“Supported Na₃V₂(PO₄)₃/Carbon Composite for High Power Sodiumâ€Ion Battery Cathode. Small Methods, 2019, 3, 1800169.	8.6	87
122	Surface and Interface Engineering: Molybdenum Carbideâ€“Based Nanomaterials for Electrochemical Energy Conversion. Small, 2021, 17, e1903380.	10.0	87
123	Paper-like free-standing polypyrrole and polypyrroleâ€“LiFePO4 composite films for flexible and bendable rechargeable battery. Electrochemistry Communications, 2008, 10, 1781-1784.	4.7	86
124	Morphology tuning of inorganic nanomaterials grown by precipitation through control of electrolytic dissociation and supersaturation. Nature Chemistry, 2019, 11, 695-701.	13.6	86
125	Tuning Oxygen Redox Chemistry in Liâ€Rich Mnâ€Based Layered Oxide Cathodes by Modulating Cation Arrangement. Advanced Materials, 2019, 31, e1901808.	21.0	86
126	Tailoring MXene-Based Materials for Sodium-Ion Storage: Synthesis, Mechanisms, and Applications. Electrochemical Energy Reviews, 2020, 3, 766-792.	25.5	86

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127	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
128	Basic molten salt processâ€”A new route for synthesis of nanocrystalline Li4Ti5O12â€“TiO2 anode material for Li-ion batteries using eutectic mixture of LiNO3â€“LiOHâ€“Li2O2. Journal of Power Sources, 2010, 195, 4297-4303.	7.8	85
129	Oxygen vacancies promoting the electrocatalytic performance of CeO₂nanorods as cathode materials for Liâ€“O₂batteries. Journal of Materials Chemistry A, 2019, 7, 6552-6561.	10.3	85
130	Uncovering a facile large-scale synthesis of LiNi1/3Co1/3Mn1/3O2 nanoflowers for high power lithium-ion batteries. Journal of Power Sources, 2015, 275, 200-206.	7.8	84
131	Manipulating Layered P2@P3 Integrated Spinel Structure Evolution for Highâ€Performance Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 9299-9304.	13.8	84
132	Polymer electrolytes for sodium-ion batteries. Energy Storage Materials, 2021, 36, 10-30.	18.0	82
133	Highly Ordered Single Crystalline Nanowire Array Assembled Three-Dimensional Nb₃O₇(OH) and Nb₂O₅ Superstructures for Energy Storage and Conversion Applications. ACS Nano, 2016, 10, 507-514.	14.6	81
134	Multiregion Janus-Featured Cobalt Phosphide-Cobalt Composite for Highly Reversible Room-Temperature Sodium-Sulfur Batteries. ACS Nano, 2020, 14, 10284-10293.	14.6	81
135	A facile route to carbon-coated SnO2 nanoparticles combined with a new binder for enhanced cyclability of Li-ion rechargeable batteries. Electrochimica Acta, 2009, 54, 7519-7524.	5.2	80
136	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
137	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
138	Vanadium-based cathodes for aqueous zinc-ion batteries: Mechanism, design strategies and challenges. Energy Storage Materials, 2022, 50, 21-46.	18.0	79
139	A S/N-doped high-capacity mesoporous carbon anode for Na-ion batteries. Journal of Materials Chemistry A, 2019, 7, 11976-11984.	10.3	78
140	A Cation and Anion Dual Doping Strategy for the Elevation of Titanium Redox Potential for Highâ€Power Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 12076-12083.	13.8	78
141	Lithium/Oxygen Incorporation and Microstructural Evolution during Synthesis of Liâ€Rich Layered Li[Li_{0.2}Ni_{0.2}Mn_{0.6}]O₂ Oxides. Advanced Energy Materials, 2019, 9, 1803094.	19.5	78
142	Enhancing the High Rate Capability and Cycling Stability of LiMn₂O₄ by Coating of Solid-State Electrolyte LiNbO₃. ACS Applied Materials & Interfaces, 2014, 6, 22155-22165.	8.0	75
143	Host Structural Stabilization of Li1.232Mn0.615Ni0.154O2 through K-Doping Attempt: toward Superior Electrochemical Performances. Electrochimica Acta, 2016, 188, 336-343.	5.2	75
144	Uniform Ni-rich LiNi0.6Co0.2Mn0.2O2 Porous Microspheres: Facile Designed Synthesis and Their Improved Electrochemical Performance. Electrochimica Acta, 2016, 191, 401-410.	5.2	75

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145	Organic Cathode Materials for Sodiumâ€Ion Batteries: From Fundamental Research to Potential Commercial Application. Advanced Functional Materials, 2022, 32, 2107718.	14.9	75
146	In Situ Lattice Tunnel Distortion of Vanadium Trioxide for Enhancing Zinc Ion Storage. Advanced Energy Materials, 2021, 11, 2100973.	19.5	74
147	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
148	Self-assembled graphene and LiFePO4 composites with superior high rate capability for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 4927.	10.3	72
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