Ya-Xia Yin

List of Publications by Year
in descending order

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184 papers	32,821 citations	3325 91 h-index	3815 178 g-index
189 all docs	189 docs citations	189 times ranked	17626 citing authors

#	Article	IF	Citations
1	Self-supported hard carbon anode from fungus-treated basswood towards sodium-ion batteries. Nano Research, 2023, 16, 3832-3838.	5.8	8
2	A Universal Strategy toward Airâ€Stable and Highâ€Rate O3 Layered Oxide Cathodes for Naâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	77
3	Competitive Doping Chemistry for Nickelâ€Rich Layered Oxide Cathode Materials. Angewandte Chemie - International Edition, 2022, 61, .	7.2	55
4	Competitive Doping Chemistry for Nickelâ€Rich Layered Oxide Cathode Materials. Angewandte Chemie, 2022, 134, .	1.6	7
5	Mitigating the Largeâ€Volume Phase Transition of P2â€Type Cathodes by Synergetic Effect of Multiple Ions for Improved Sodiumâ€Ion Batteries. Advanced Energy Materials, 2022, 12, .	10.2	96
6	In Situ Electrochemical Regeneration of Degraded LiFePO₄ Electrode with Functionalized Prelithiation Separator. Advanced Energy Materials, 2022, 12, .	10.2	99
7	A Rational Biphasic Tailoring Strategy Enabling Highâ€Performance Layered Cathodes for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	41
8	Hydrogen Isotope Effects on Aqueous Electrolyte for Electrochemical Lithiumâ€Ion Storage. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
9	A Rational Biphasic Tailoring Strategy Enabling Highâ€Performance Layered Cathodes for Sodiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	13
10	Boron-doped three-dimensional MXene host for durable lithium-metal anode. Rare Metals, 2022, 41, 2217-2222.	3.6	16
11	O3-Type Na_{2/3}Ni_{1/3}Ti_{2/3}O₂ Layered Oxide as a Stable and High-Rate Anode Material for Sodium Storage. ACS Applied Materials & Interfaces, 2022, 14, 677-683.	4.0	6
12	Layered Oxide Cathodeâ€Electrolyte Interface towards Naâ€Ion Batteries: Advances and Perspectives. Chemistry - an Asian Journal, 2022, 17, e202200213.	1.7	7
13	Solidifying Cathodeâ€“Electrolyte Interface for Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2000791.	10.2	75
14	Manipulating Electrode/Electrolyte Interphases of Sodium-Ion Batteries: Strategies and Perspectives. , 2021, 3, 18-41.		90
15	A Stable Biomassâ€Derived Hard Carbon Anode for Highâ€Performance Sodiumâ€Ion Full Battery. Energy Technology, 2021, 9, 2000730.	1.8	26
16	Insights into the pre-oxidation process of phenolic resin-based hard carbon for sodium storage. Materials Chemistry Frontiers, 2021, 5, 3911-3917.	3.2	19
17	Increased residual lithium compounds guided design for green recycling of spent lithium-ion cathodes. Energy and Environmental Science, 2021, 14, 1461-1468.	15.6	96
18	Constructing a stable interface between the sulfide electrolyte and the Li metal anodeviaa Li⁺-conductive gel polymer interlayer. Materials Chemistry Frontiers, 2021, 5, 5328-5335.	3.2	12

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19	Insights on Electrochemical Behaviors of Sodium Peroxide as a Sacrificial Cathode Additive for Boosting Energy Density of Na-Ion Battery. ACS Applied Materials & Interfaces, 2021, 13, 2772-2778.	4.0	25
20	P3/O3 Integrated Layered Oxide as Highâ€Power and Longâ€Life Cathode toward Naâ€Ion Batteries. Small, 2021, 17, e2007236.	5.2	49
21	Stabilizing the Electrochemistry of Lithium-Selenium Battery via In situ Gelated Polymer Electrolyte: A Look from Anode. Chemical Research in Chinese Universities, 2021, 37, 298-303.	1.3	8
22	Bridging Interparticle Li⁺ Conduction in a Soft Ceramic Oxide Electrolyte. Journal of the American Chemical Society, 2021, 143, 5717-5726.	6.6	144
23	Formulating the Electrolyte Towards Highâ€Energy and Safe Rechargeable Lithiumâ€“Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 16554-16560.	7.2	80
24	Formulating the Electrolyte Towards Highâ€Energy and Safe Rechargeable Lithiumâ€“Metal Batteries. Angewandte Chemie, 2021, 133, 16690-16696.	1.6	12
25	Boron-doped sodium layered oxide for reversible oxygen redox reaction in Na-ion battery cathodes. Nature Communications, 2021, 12, 5267.	5.8	122
26	Towards better Li metal anodes: Challenges and strategies. Materials Today, 2020, 33, 56-74.	8.3	404
27	Stabilizing Polymerâ€“Lithium Interface in a Rechargeable Solid Battery. Advanced Functional Materials, 2020, 30, 1908047.	7.8	59
28	Direct regeneration of spent LiFePO₄via a graphite prelithiation strategy. Chemical Communications, 2020, 56, 245-248.	2.2	73
29	Porous lamellar carbon assembled from Bacillus mycoides as high-performance electrode materials for vanadium redox flow batteries. Journal of Power Sources, 2020, 450, 227633.	4.0	13
30	Raising the capacity of lithium vanadium phosphate via anion and cation co-substitution. Science China Chemistry, 2020, 63, 203-207.	4.2	12
31	A Rational Reconfiguration of Electrolyte for Highâ€Energy and Longâ€Life Lithiumâ€“Chalcogen Batteries. Advanced Materials, 2020, 32, e2000302.	11.1	88
32	Enabling SiO_x/C Anode with High Initial Coulombic Efficiency through a Chemical Pre-Lithiation Strategy for High-Energy-Density Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 27202-27209.	4.0	112
33	Highâ€Efficiency Cathode Sodium Compensation for Sodiumâ€Ion Batteries. Advanced Materials, 2020, 32, e2001419.	11.1	106
34	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithiumâ€Metal Batteries. Angewandte Chemie, 2020, 132, 6647-6651.	1.6	26
35	Layered Oxide Cathodes Promoted by Structure Modulation Technology for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 2001334.	7.8	142
36	An Outlook on Low-Volume-Change Lithium Metal Anodes for Long-Life Batteries. ACS Central Science, 2020, 6, 661-671.	5.3	83

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37	A super-lithiophilic nanocrystallization strategy for stable lithium metal anodes. Nano Energy, 2020, 73, 104731.	8.2	36
38	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithiumâ€Metal Batteries. Angewandte Chemie - International Edition, 2020, 59, 6585-6589.	7.2	84
39	An integral interface with dynamically stable evolution on micron-sized SiOx particle anode. Nano Energy, 2020, 74, 104890.	8.2	84
40	In Situ Copolymerizated Gel Polymer Electrolyte with Cross-Linked Network for Sodium-Ion Batteries. CCS Chemistry, 2020, 2, 589-597.	4.6	18
41	Large-Scale Synthesis of the Stable Co-Free Layered Oxide Cathode by the Synergetic Contribution of Multielement Chemical Substitution for Practical Sodium-Ion Battery. Research, 2020, 2020, 1469301.	2.8	33
42	In Situ Copolymerizated Gel Polymer Electrolyte with Cross-Linked Network for Sodium-Ion Batteries. CCS Chemistry, 2020, 2, 589-597.	4.6	39
43	High-Performance Lithiated SiO_x Anode Obtained by a Controllable and Efficient Prelithiation Strategy. ACS Applied Materials & Interfaces, 2019, 11, 32062-32068.	4.0	119
44	Low volume change composite lithium metal anodes. Nano Energy, 2019, 64, 103910.	8.2	68
45	Lithiumâ€Ion Batteries: Suppressing Manganese Dissolution via Exposing Stable {111} Facets for Highâ€Performance Lithiumâ€Ion Oxide Cathode (Adv. Sci. 13/2019). Advanced Science, 2019, 6, 1970076.	5.6	14
46	Interfacial design for lithiumâ€“sulfur batteries: From liquid to solid. EnergyChem, 2019, 1, 100002.	10.1	113
47	Selfâ€Healable Solid Polymeric Electrolytes for Stable and Flexible Lithium Metal Batteries. Angewandte Chemie - International Edition, 2019, 58, 18146-18149.	7.2	128
48	Selfâ€Healable Solid Polymeric Electrolytes for Stable and Flexible Lithium Metal Batteries. Angewandte Chemie, 2019, 131, 18314-18317.	1.6	13
49	An Ordered Ni₆â€Ring Superstructure Enables a Highly Stable Sodium Oxide Cathode. Advanced Materials, 2019, 31, e1903483.	11.1	65
50	Green in Situ Growth Solid Electrolyte Interphase Layer with High Rebound Resilience for Long-Life Lithium Metal Anodes. ACS Applied Materials & Interfaces, 2019, 11, 43200-43205.	4.0	22
51	Tuning wettability of molten lithium via a chemical strategy for lithium metal anodes. Nature Communications, 2019, 10, 4930.	5.8	181
52	Exploiting Lithiumâ€Depleted Cathode Materials for Solidâ€State Li Metal Batteries. Advanced Energy Materials, 2019, 9, 1901335.	10.2	14
53	Air-Stable and High-Voltage Layered P3-Type Cathode for Sodium-Ion Full Battery. ACS Applied Materials & Interfaces, 2019, 11, 24184-24191.	4.0	58
54	Engineering Janus Interfaces of Ceramic Electrolyte via Distinct Functional Polymers for Stable High-Voltage Li-Metal Batteries. Journal of the American Chemical Society, 2019, 141, 9165-9169.	6.6	272

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55	Strategies to Build Highâ€Rate Cathode Materials for Naâ€Ion Batteries. ChemNanoMat, 2019, 5, 1253-1262.	1.5	26
56	Suppression of Monoclinic Phase Transitions of O3-Type Cathodes Based on Electronic Delocalization for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 22067-22073.	4.0	48
57	Suppressing Manganese Dissolution via Exposing Stable {111} Facets for Highâ€Performance Lithiumâ€Ion Oxide Cathode. Advanced Science, 2019, 6, 1801908.	5.6	41
58	Unveiling the Role of Heteroatom Gradient-Distributed Carbon Fibers for Vanadium Redox Flow Batteries with Long Service Life. ACS Applied Materials & Interfaces, 2019, 11, 11451-11458.	4.0	18
59	A Stable Layered Oxide Cathode Material for Highâ€Performance Sodiumâ€Ion Battery. Advanced Energy Materials, 2019, 9, 1803978.	10.2	191
60	Nonaqueous Sodiumâ€Ion Full Cells: Status, Strategies, and Prospects. Small, 2019, 15, e1900233.	5.2	77
61	Nitridingâ€Interfaceâ€Regulated Lithium Plating Enables Flameâ€Retardant Electrolytes for Highâ€Voltage Lithium Metal Batteries. Angewandte Chemie, 2019, 131, 7884-7889.	1.6	47
62	Nitridingâ€Interfaceâ€Regulated Lithium Plating Enables Flameâ€Retardant Electrolytes for Highâ€Voltage Lithium Metal Batteries. Angewandte Chemie - International Edition, 2019, 58, 7802-7807.	7.2	161
63	Extended Electrochemical Window of Solid Electrolytes via Heterogeneous Multilayered Structure for Highâ€Voltage Lithium Metal Batteries. Advanced Materials, 2019, 31, e1807789.	11.1	333
64	Viscoelastic and Nonflammable Interface Designâ€“Enabled Dendriteâ€Free and Safe Solid Lithium Metal Batteries. Advanced Energy Materials, 2019, 9, 1803854.	10.2	93
65	Confined Red Phosphorus in Edible Fungus Slag-Derived Porous Carbon as an Improved Anode Material in Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 47948-47955.	4.0	18
66	Guiding Uniform Li Plating/Stripping through Lithiumâ€“Aluminum Alloying Medium for Longâ€Life Li Metal Batteries. Angewandte Chemie - International Edition, 2019, 58, 1094-1099.	7.2	287
67	Guiding Uniform Li Plating/Stripping through Lithiumâ€“Aluminum Alloying Medium for Longâ€Life Li Metal Batteries. Angewandte Chemie, 2019, 131, 1106-1111.	1.6	52
68	Rational Design of Robust Si/C Microspheres for High-Tap-Density Anode Materials. ACS Applied Materials & Interfaces, 2019, 11, 4057-4064.	4.0	111
69	A P2/P3 composite layered cathode for high-performance Na-ion full batteries. Nano Energy, 2019, 55, 143-150.	8.2	142
70	Fungiâ€Enabled Synthesis of Ultrahighâ€Surfaceâ€Area Porous Carbon. Advanced Materials, 2019, 31, e1805134.	11.1	75
71	Progress of the Interface Design in Allâ€Solidâ€State Liâ€“S Batteries. Advanced Functional Materials, 2018, 28, 1707533.	7.8	182
72	Na ⁺ /vacancy disordering promises high-rate Na-ion batteries. Science Advances, 2018, 4, eaar6018.	4.7	341

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73	Lithiation-Derived Repellent toward Lithium Anode Safeguard in Quasi-solid Batteries. CheM, 2018, 4, 298-307.	5.8	63
74	Trapping Lithium into Hollow Silica Microspheres with a Carbon Nanotube Core for Dendrite-Free Lithium Metal Anodes. Nano Letters, 2018, 18, 297-301.	4.5	130
75	A Flexible Solid Electrolyte Interphase Layer for Longâ€Life Lithium Metal Anodes. Angewandte Chemie, 2018, 130, 1521-1525.	1.6	82
76	Facile Synthesis of Blocky SiO‹i›‹sub›x‹/sub›‹/i›/C with Graphiteâ€Like Structure for Highâ€Performance Lithiumâ€Ion Battery Anodes. Advanced Functional Materials, 2018, 28, 1705235.	7.8	260
77	Highâ€Capacity Cathode Material with High Voltage for Liâ€Ion Batteries. Advanced Materials, 2018, 30, 1705575.	11.1	333
78	Uniform Lithium Nucleation/Growth Induced by Lightweight Nitrogenâ€Doped Graphitic Carbon Foams for Highâ€Performance Lithium Metal Anodes. Advanced Materials, 2018, 30, 1706216.	11.1	401
79	Innentitelbild: A Flexible Solid Electrolyte Interphase Layer for Longâ€Life Lithium Metal Anodes (Angew.) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	2
80	High electro-catalytic graphite felt/MnO2 composite electrodes for vanadium redox flow batteries. Science China Chemistry, 2018, 61, 732-738.	4.2	37
81	Gradiently Polymerized Solid Electrolyte Meets with Micro-/Nanostructured Cathode Array. ACS Applied Materials & Interfaces, 2018, 10, 18005-18011.	4.0	23
82	An Abnormal 3.7â€…Volt O3â€Type Sodiumâ€Ion Battery Cathode. Angewandte Chemie, 2018, 130, 8310-8315.	1.6	23
83	An Abnormal 3.7â€…Volt O3â€Type Sodiumâ€Ion Battery Cathode. Angewandte Chemie - International Edition, 2018, 57, 8178-8183.	7.2	109
84	Ladderlike carbon nanoarrays on 3D conducting skeletons enable uniform lithium nucleation for stable lithium metal anodes. Chemical Communications, 2018, 54, 5330-5333.	2.2	38
85	Understanding the structural evolution and Na+ kinetics in honeycomb-ordered Oâ€²3-Na3Ni2SbO6 cathodes. Nano Research, 2018, 11, 3258-3271.	5.8	35
86	Dendrite-Free Li-Metal Battery Enabled by a Thin Asymmetric Solid Electrolyte with Engineered Layers. Journal of the American Chemical Society, 2018, 140, 82-85.	6.6	404
87	A Flexible Solid Electrolyte Interphase Layer for Longâ€Life Lithium Metal Anodes. Angewandte Chemie - International Edition, 2018, 57, 1505-1509.	7.2	590
88	Layered Oxide Cathodes for Sodiumâ€Ion Batteries: Phase Transition, Air Stability, and Performance. Advanced Energy Materials, 2018, 8, 1701912.	10.2	519
89	Uniform Nucleation of Lithium in 3D Current Collectors via Bromide Intermediates for Stable Cycling Lithium Metal Batteries. Journal of the American Chemical Society, 2018, 140, 18051-18057.	6.6	138
90	Upgrading traditional liquid electrolyte via in situ gelation for future lithium metal batteries. Science Advances, 2018, 4, eaat5383.	4.7	337

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91	Robust Electrodes with Maximized Spatial Catalysis for Vanadium Redox Flow Batteries. ACS Applied Materials & Interfaces, 2018, 10, 38922-38927.	4.0	19
92	A Layeredâ€“Tunnel Intergrowth Structure for Highâ€Performance Sodiumâ€Ion Oxide Cathode. Advanced Energy Materials, 2018, 8, 1800492.	10.2	116
93	3D zinc@carbon fiber composite framework anode for aqueous Znâ€“MnO₂ batteries. RSC Advances, 2018, 8, 19157-19163.	1.7	126
94	Suppressing Surface Lattice Oxygen Release of Liâ€Rich Cathode Materials via Heterostructured Spinel Li₄Mn₅O₁₂ Coating. Advanced Materials, 2018, 30, e1801751.	11.1	348
95	Mitigating Interfacial Potential Drop of Cathodeâ€“Solid Electrolyte via Ionic Conductor Layer To Enhance Interface Dynamics for Solid Batteries. Journal of the American Chemical Society, 2018, 140, 6767-6770.	6.6	192
96	Ameliorating the Interfacial Problems of Cathode and Solidâ€State Electrolytes by Interface Modification of Functional Polymers. Advanced Energy Materials, 2018, 8, 1801528.	10.2	127
97	SiO_x Encapsulated in Graphene Bubble Film: An Ultrastable Liâ€Ion Battery Anode. Advanced Materials, 2018, 30, e1707430.	11.1	243
98	Stable Sodium Storage of Red Phosphorus Anode Enabled by a Dual-Protection Strategy. ACS Applied Materials & Interfaces, 2018, 10, 30479-30486.	4.0	24
99	Exposing {010} Active Facets by Multipleâ€Layer Oriented Stacking Nanosheets for Highâ€Performance Capacitive Sodiumâ€Ion Oxide Cathode. Advanced Materials, 2018, 30, e1803765.	11.1	142
100	Constructing a Stable Lithium Metalâ€“Gel Electrolyte Interface for Quasi-Solid-State Lithium Batteries. ACS Applied Materials & Interfaces, 2018, 10, 30065-30070.	4.0	45
101	Designing High-Performance Composite Electrodes for Vanadium Redox Flow Batteries: Experimental and Computational Investigation. ACS Applied Materials & Interfaces, 2018, 10, 22381-22388.	4.0	42
102	Novel P2-type Na_{2/3}Ni_{1/6}Mg_{1/6}Ti_{2/3}O₂as an anode material for sodium-ion batteries. Chemical Communications, 2017, 53, 1957-1960.	2.2	43
103	Graphitic Nanocarbonâ€“Selenium Cathode with Favorable Rate Capability for Liâ€“Se Batteries. ACS Applied Materials & Interfaces, 2017, 9, 8759-8765.	4.0	54
104	Advanced Micro/Nanostructures for Lithium Metal Anodes. Advanced Science, 2017, 4, 1600445.	5.6	444
105	Research progress regarding Si-based anode materials towards practical application in high energy density Li-ion batteries. Materials Chemistry Frontiers, 2017, 1, 1691-1708.	3.2	277
106	Excellent Comprehensive Performance of Naâ€Based Layered Oxide Benefiting from the Synergetic Contributions of Multimetal Ions. Advanced Energy Materials, 2017, 7, 1700189.	10.2	82
107	A Highâ€Performance Composite Electrode for Vanadium Redox Flow Batteries. Advanced Energy Materials, 2017, 7, 1700461.	10.2	133
108	Methods for the Stabilization of Nanostructured Electrode Materials for Advanced Rechargeable Batteries. Small Methods, 2017, 1, 1700094.	4.6	50

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109	Synergism of Al-containing solid electrolyte interphase layer and Al-based colloidal particles for stable lithium anode. Nano Energy, 2017, 36, 411-417.	8.2	187
110	Solid-State Lithium Metal Batteries Promoted by Nanotechnology: Progress and Prospects. ACS Energy Letters, 2017, 2, 1385-1394.	8.8	314
111	Improving the structural stability of Li-rich cathode materials via reservation of cations in the Li-slab for Li-ion batteries. Nano Research, 2017, 10, 4201-4209.	5.8	56
112	Designing Air-Stable O3-Type Cathode Materials by Combined Structure Modulation for Na-Ion Batteries. Journal of the American Chemical Society, 2017, 139, 8440-8443.	6.6	303
113	Stable Li Plating/Stripping Electrochemistry Realized by a Hybrid Li Reservoir in Spherical Carbon Granules with 3D Conducting Skeletons. Journal of the American Chemical Society, 2017, 139, 5916-5922.	6.6	410
114	Tiâ€Substituted NaNi_{0.5}Mn_{0.5â€<}_xTi_xO₂ Cathodes with Reversible O3â†'P3 Phase Transition for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1700210.	11.1	309
115	Three-Dimensional Carbon Nanotubes Forest/Carbon Cloth as an Efficient Electrode for Lithiumâ€“Polysulfide Batteries. ACS Applied Materials & Interfaces, 2017, 9, 1553-1561.	4.0	54
116	Free-Standing Hollow Carbon Fibers as High-Capacity Containers for Stable Lithium Metal Anodes. Joule, 2017, 1, 563-575.	11.7	329
117	Stable Li Metal Anodes via Regulating Lithium Plating/Stripping in Vertically Aligned Microchannels. Advanced Materials, 2017, 29, 1703729.	11.1	381
118	Improving the stability of LiNi0.80Co0.15Al0.05O2 by AlPO4 nanocoating for lithium-ion batteries. Science China Chemistry, 2017, 60, 1230-1235.	4.2	52
119	Advanced Porous Carbon Materials for Highâ€Efficient Lithium Metal Anodes. Advanced Energy Materials, 2017, 7, 1700530.	10.2	208
120	Iron oxyfluorides as lithium-free cathode materials for solid-state Li metal batteries. Journal of Materials Chemistry A, 2017, 5, 18464-18468.	5.2	16
121	Structurally modulated Li-rich cathode materials through cooperative cation doping and anion hybridization. Science China Chemistry, 2017, 60, 1554-1560.	4.2	22
122	High-Thermal- and Air-Stability Cathode Material with Concentration-Gradient Buffer for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 42829-42835.	4.0	74
123	Graphitized Carbon Fibers as Multifunctional 3D Current Collectors for High Areal Capacity Li Anodes. Advanced Materials, 2017, 29, 1700389.	11.1	495
124	Passivation of Lithium Metal Anode via Hybrid Ionic Liquid Electrolyte toward Stable Li Plating/Stripping. Advanced Science, 2017, 4, 1600400.	5.6	220
125	Watermelonâ€Inspired Si/C Microspheres with Hierarchical Buffer Structures for Densely Compacted Lithiumâ€Ion Battery Anodes. Advanced Energy Materials, 2017, 7, 1601481.	10.2	508
126	Sulfur Confined in Subâ€Nanometerâ€Sized 2â€‰D Graphene Interlayers and Its Electrochemical Behavior in Lithiumâ€“Sulfur Batteries. Chemistry - an Asian Journal, 2016, 11, 2690-2694.	1.7	25

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127	Cathode Materials: Enhancing the Kinetics of Liâ€Rich Cathode Materials through the Pinning Effects of Gradient Surface Na⁺ Doping (Adv. Energy Mater. 6/2016). Advanced Energy Materials, 2016, 6, .	10.2	10
128	Enhancing the Kinetics of Liâ€Rich Cathode Materials through the Pinning Effects of Gradient Surface Na⁺ Doping. Advanced Energy Materials, 2016, 6, 1501914.	10.2	288
129	The Electrochemistry with Lithium versus Sodium of Selenium Confined To Slit Micropores in Carbon. Nano Letters, 2016, 16, 4560-4568.	4.5	140
130	Suppressing the P2â€“O2 Phase Transition of Na_{0.67}Mn_{0.67}Ni_{0.33}O₂ by Magnesium Substitution for Improved Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 7445-7449.	7.2	439
131	Subzeroâ€Temperature Cathode for a Sodiumâ€Ion Battery. Advanced Materials, 2016, 28, 7243-7248.	11.1	406
132	Reshaping Lithium Plating/Stripping Behavior via Bifunctional Polymer Electrolyte for Room-Temperature Solid Li Metal Batteries. Journal of the American Chemical Society, 2016, 138, 15825-15828.	6.6	399
133	Rechargeable dual-metal-ion batteries for advanced energy storage. Physical Chemistry Chemical Physics, 2016, 18, 9326-9333.	1.3	76
134	Rice husk-derived hierarchical silicon/nitrogen-doped carbon/carbon nanotube spheres as low-cost and high-capacity anodes for lithium-ion batteries. Nano Energy, 2016, 25, 120-127.	8.2	454
135	Sulfur Encapsulated in Graphitic Carbon Nanocages for Highâ€Rate and Longâ€Cycle Lithiumâ€“Sulfur Batteries. Advanced Materials, 2016, 28, 9539-9544.	11.1	392
136	Mitigating Voltage Decay of Li-Rich Cathode Material via Increasing Ni Content for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 20138-20146.	4.0	197
137	An O3-type NaNi_{0.5}Mn_{0.5}O₂cathode for sodium-ion batteries with improved rate performance and cycling stability. Journal of Materials Chemistry A, 2016, 4, 17660-17664.	5.2	185
138	An Artificial Solid Electrolyte Interphase Layer for Stable Lithium Metal Anodes. Advanced Materials, 2016, 28, 1853-1858.	11.1	1,291
139	Suppressing the P2â€“O2 Phase Transition of Na_{0.67}Mn_{0.67}Ni_{0.33}O₂ by Magnesium Substitution for Improved Sodiumâ€Ion Batteries. Angewandte Chemie, 2016, 128, 7571-7575.	1.6	84
140	Nano/Microâ€Structured Si/C Anodes with High Initial Coulombic Efficiency in Liâ€Ion Batteries. Chemistry - an Asian Journal, 2016, 11, 1205-1209.	1.7	36
141	Scientific and technological challenges toward application of lithiumâ€“sulfur batteries. Chinese Physics B, 2016, 25, 018801.	0.7	15
142	Size effects in lithium ion batteries. Chinese Physics B, 2016, 25, 018203.	0.7	30
143	Three-dimensional sandwich-type graphene@microporous carbon architecture for lithiumâ€“sulfur batteries. RSC Advances, 2016, 6, 617-622.	1.7	40
144	Wet Chemistry Synthesis of Multidimensional Nanocarbonâ€“Sulfur Hybrid Materials with Ultrahigh Sulfur Loading for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 3584-3590.	4.0	108

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145	Improving the Electrochemical Performance of the Li₄Ti₅O₁₂ Electrode in a Rechargeable Magnesium Battery by Lithiumâ€“Magnesium Coâ€intercalation. Angewandte Chemie - International Edition, 2015, 54, 5757-5761.	7.2	156
146	High-Capacity Te Anode Confined in Microporous Carbon for Long-Life Na-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 27838-27844.	4.0	68
147	Improving the electrochemical properties of the red P anode in Na-ion batteries via the space confinement of carbon nanopores. Journal of Materials Chemistry A, 2015, 3, 24221-24225.	5.2	42
148	Elemental Selenium for Electrochemical Energy Storage. Journal of Physical Chemistry Letters, 2015, 6, 256-266.	2.1	226
149	Electrochemical (De)Lithiation of 1D Sulfur Chains in Liâ€“S Batteries: A Model System Study. Journal of the American Chemical Society, 2015, 137, 2215-2218.	6.6	209
150	Hierarchically micro/mesoporous activated graphene with a large surface area for high sulfur loading in Liâ€“S batteries. Journal of Materials Chemistry A, 2015, 3, 4799-4802.	5.2	121
151	Accommodating lithium into 3D current collectors with a submicron skeleton towards long-life lithium metal anodes. Nature Communications, 2015, 6, 8058.	5.8	1,305
152	A highly reversible, low-strain Mg-ion insertion anode material for rechargeable Mg-ion batteries. NPG Asia Materials, 2014, 6, e120-e120.	3.8	130
153	Sizeâ€Dependent Electrochemical Magnesium Storage Performance of Spinel Lithium Titanate. Chemistry - an Asian Journal, 2014, 9, 2099-2102.	1.7	38
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