Liquan Chen

List of Publications by Year
in descending order

287 papers	37,203 citations	2544 96 h-index	3261 185 g-index
290 all docs	290 docs citations	290 times ranked	22871 citing authors

#	Article	IF	Citations
1	Localizedâ€domains staging structure and evolution in lithiated graphite. , 2023, 5, .		21
2	Modification of NASICON Electrolyte and Its Application in Real Na-Ion Cells. Engineering, 2022, 8, 170-180.	6.7	12
3	High Current Density and Long Cycle Life Enabled by Sulfide Solid Electrolyte and Dendriteâ€Free Liquid Lithium Anode. Advanced Functional Materials, 2022, 32, 2105776.	14.9	40
4	Spinel-related Li2Ni0.5Mn1.5O4 cathode for 5-V anode-free lithium metal batteries. Energy Storage Materials, 2022, 45, 821-827.	18.0	21
5	New insights into the mechanism of cation migration induced by cationâ€“anion dynamic coupling in superionic conductors. Journal of Materials Chemistry A, 2022, 10, 3093-3101.	10.3	11
6	All-in-One Ionicâ€“Electronic Dual-Carrier Conducting Framework Thickening All-Solid-State Electrode. ACS Energy Letters, 2022, 7, 766-772.	17.4	7
7	Doping strategy and mechanism for oxide and sulfide solid electrolytes with high ionic conductivity. Journal of Materials Chemistry A, 2022, 10, 4517-4532.	10.3	75
8	Large Scale One-Pot Synthesis of Monodispersed Na ₃ (VOPO ₄) ₂ F Cathode for Na-Ion Batteries. Energy Material Advances, 2022, 2022, .	11.0	16
9	Topologically protected oxygen redox in a layered manganese oxide cathode for sustainable batteries. Nature Sustainability, 2022, 5, 214-224.	23.7	44
10	Ionic Conductivity of LiSiON and the Effect of Amorphization/Heterovalent Doping on Li+ Diffusion. Inorganics, 2022, 10, 45.	2.7	2
11	Anomalous Thermal Decomposition Behavior of Polycrystalline LiNi_{0.8}Mn_{0.1}Co_{0.1}O₂ in PEOâ€Based Solid Polymer Electrolyte. Advanced Functional Materials, 2022, 32, .	14.9	19
12	Configurationâ€dependent anionic redox in cathode materials. , 2022, 1, .		28
13	Solid-state lithium batteries: Safety and prospects. EScience, 2022, 2, 138-163.	41.6	190
14	Raising the Intrinsic Safety of Layered Oxide Cathodes by Surface Reâ€Lithiation with LLZTO Garnetâ€Type Solid Electrolytes. Advanced Materials, 2022, 34, e2200655.	21.0	30
15	A Better Choice to Achieve High Volumetric Energy Density: Anodeâ€Free Lithiumâ€Metal Batteries. Advanced Materials, 2022, 34, e2110323.	21.0	46
16	Improving thermal stability of sulfide solid electrolytes: An intrinsic theoretical paradigm. InformaÄnÃ- MateriÃ¡ly, 2022, 4, .	17.3	33
17	Waterâ€Stable Sulfide Solid Electrolyte Membranes Directly Applicable in Allâ€Solidâ€State Batteries Enabled by Superhydrophobic Li⁺â€Conducting Protection Layer. Advanced Energy Materials, 2022, 12, .	19.5	62
18	Feasibility to Improve the Stability of Lithium-Rich Layered Oxides by Surface Doping. ACS Applied Materials & Interfaces, 2022, 14, 18353-18359.	8.0	21

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19	Enhancing ionic conductivity in solid electrolyte by relocating diffusion ions to under-coordination sites. Science Advances, 2022, 8, eabj7698.	10.3	37
20	Electrolyte and current collector designs for stable lithium metal anodes. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 953-964.	4.9	12
21	Interfacial engineering to achieve an energy density of over 200â€‰Whâ€‰kgâˆ’1 in sodium batteries. Nature Energy, 2022, 7, 511-519.	39.5	130
22	Interfacial and cycle stability of sulfide all-solid-state batteries with Ni-rich layered oxide cathodes. Nano Energy, 2022, 100, 107528.	16.0	38
23	Longâ€Life Lithiumâ€Metal Allâ€Solidâ€State Batteries and Stable Li Plating Enabled by InÂSitu Formation of Li₃PS₄ in the SEI Layer. Advanced Materials, 2022, 34, .	21.0	66
24	The Role of Electron Localization in Covalency and Electrochemical Properties of Lithiumâ€Ion Battery Cathode Materials. Advanced Functional Materials, 2021, 31, 2001633.	14.9	21
25	Na10SnSb2S12: A nanosized air-stable solid electrolyte for all-solid-state sodium batteries. Chemical Engineering Journal, 2021, 420, 127692.	12.7	36
26	Epitaxial Induced Plating Currentâ€Collector Lasting Lifespan of Anodeâ€Free Lithium Metal Battery. Advanced Energy Materials, 2021, 11, 2003709.	19.5	119
27	The Formation/Decomposition Equilibrium of LiH and its Contribution on Anode Failure in Practical Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 7770-7776.	13.8	58
28	The Formation/Decomposition Equilibrium of LiH and its Contribution on Anode Failure in Practical Lithium Metal Batteries. Angewandte Chemie, 2021, 133, 7849-7855.	2.0	18
29	Liâ€Rich Li 2 [Ni 0.8 Co 0.1 Mn 0.1]O 2 for Anodeâ€Free Lithium Metal Batteries. Angewandte Chemie, 2021, 133, 8370-8377.	2.0	2
30	Liâ€Rich Li₂[Ni_{0.8}Co_{0.1}Mn_{0.1}]O₂ for Anodeâ€Free Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 8289-8296.	13.8	71
31	Synergy Effect of Trimethyl Borate on Protecting High-Voltage Cathode Materials in Dual-Additive Electrolytes. ACS Applied Materials & Interfaces, 2021, 13, 21459-21466.	8.0	21
32	Additiveâ€Free Selfâ€Presodiation Strategy for Highâ€Performance Naâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2101475.	14.9	36
33	Competitive Solvation Enhanced Stability of Lithium Metal Anode in Dual-Salt Electrolyte. Nano Letters, 2021, 21, 3310-3317.	9.1	95
34	Uncovering LiH Triggered Thermal Runaway Mechanism of a Highâ€Energy LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂/Graphite Pouch Cell. Advanced Science, 2021, 8, e2100676.	11.2	48
35	Dense Allâ€Electrochemâ€Active Electrodes for Allâ€Solidâ€State Lithium Batteries. Advanced Materials, 2021, 33, e2008723.	21.0	26
36	Hunting Sodium Dendrites in NASICON-Based Solid-State Electrolytes. Energy Material Advances, 2021, 2021, .	11.0	57

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37	Ultralight Electrolyte for Highâ€Energy Lithiumâ€"Sulfur Pouch Cells. Angewandte Chemie - International Edition, 2021, 60, 17547-17555.	13.8	72
38	Leakageâ€Proof Electrolyte Chemistry for a Highâ€Performance Lithiumâ€"Sulfur Battery. Angewandte Chemie, 2021, 133, 16623-16627.	2.0	0
39	Ultralight Electrolyte for Highâ€Energy Lithiumâ€"Sulfur Pouch Cells. Angewandte Chemie, 2021, 133, 17688-17696.	2.0	13
40	Progress in thermal stability of <scp>allâ€solidâ€stateâ€Liâ€ionâ€batteries</scp>. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 827-853.	17.3	126
41	Amorphous Redox-Rich Polysulfides for Mg Cathodes. Jacs Au, 2021, 1, 1266-1274.	7.9	14
42	Anionic Effect on Enhancing the Stability of a Solid Electrolyte Interphase Film for Lithium Deposition on Graphite. Nano Letters, 2021, 21, 5316-5323.	9.1	46
43	Leakageâ€Proof Electrolyte Chemistry for a Highâ€Performance Lithiumâ€"Sulfur Battery. Angewandte Chemie - International Edition, 2021, 60, 16487-16491.	13.8	29
44	Superior Allâ€Solidâ€State Batteries Enabled by a Gasâ€Phaseâ€Synthesized Sulfide Electrolyte with Ultrahigh Moisture Stability and Ionic Conductivity. Advanced Materials, 2021, 33, e2100921.	21.0	110
45	Disordered carbon anodes for Na-ion batteriesâ€"quo vadis?. Science China Chemistry, 2021, 64, 1679-1692.	8.2	44
46	Reaction Mechanisms of Ta-Substituted Cubic Li₇La₃Zr₂O₁₂ with Solvents During Storage. ACS Applied Materials & Interfaces, 2021, 13, 38384-38393.	8.0	14
47	Lowâ€Density Fluorinated Silane Solvent Enhancing Deep Cycle Lithiumâ€"Sulfur Batteriesâ€™ Lifetime. Advanced Materials, 2021, 33, e2102034.	21.0	39
48	Amorphous anion-rich titanium polysulfides for aluminum-ion batteries. Science Advances, 2021, 7, .	10.3	63
49	Electronic Conductive Inorganic Cathodes Promising Highâ€Energy Organic Batteries. Advanced Materials, 2021, 33, e2005781.	21.0	12
50	Aqueous interphase formed by CO2 brings electrolytes back to salt-in-water regime. Nature Chemistry, 2021, 13, 1061-1069.	13.6	57
51	5V-class sulfurized spinel cathode stable in sulfide all-solid-state batteries. Nano Energy, 2021, 90, 106589.	16.0	53
52	Phase Diagram Determined Lithium Plating/Stripping Behaviors on Lithiophilic Substrates. ACS Energy Letters, 2021, 6, 4118-4126.	17.4	65
53	Interfacial chemistry of Î³-glutamic acid derived block polymer binder directing the interfacial compatibility of high voltage LiNi0.5Mn1.5O4 electrode. Science China Chemistry, 2021, 64, 92-100.	8.2	8
54	Highâ€Entropy Layered Oxide Cathodes for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 264-269.	13.8	335

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55	Flexible Na batteries. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 126-138.	17.3	108
56	Highâ€Entropy Layered Oxide Cathodes for Sodiumâ€Ion Batteries. Angewandte Chemie, 2020, 132, 270-275.	2.0	15
57	Iodine Vapor Transport-Triggered Preferential Growth of Chevrel Mo₆S₈ Nanosheets for Advanced Multivalent Batteries. ACS Nano, 2020, 14, 1102-1110.	14.6	72
58	Approaching Practically Accessible Solid-State Batteries: Stability Issues Related to Solid Electrolytes and Interfaces. Chemical Reviews, 2020, 120, 6820-6877.	47.7	891
59	Highâ€Voltage Aqueous Naâ€Ion Battery Enabled by Inertâ€Cationâ€Assisted Waterâ€inâ€Salt Electrolyte. Advanced Materials, 2020, 32, e1904427.	21.0	221
60	High Polymerization Conversion and Stable High-Voltage Chemistry Underpinning an In Situ Formed Solid Electrolyte. Chemistry of Materials, 2020, 32, 9167-9175.	6.7	81
61	In-situ visualization of the space-charge-layer effect on interfacial lithium-ion transport in all-solid-state batteries. Nature Communications, 2020, 11, 5889.	12.8	145
62	Stacking Faults Hinder Lithium Insertion in Li₂RuO₃. Advanced Energy Materials, 2020, 10, 2002631.	19.5	22
63	Efficient potential-tuning strategy through p-type doping for designing cathodes with ultrahigh energy density. National Science Review, 2020, 7, 1768-1775.	9.5	43
64	Interface Concentratedâ€Confinement Suppressing Cathode Dissolution in Waterâ€inâ€Salt Electrolyte. Advanced Energy Materials, 2020, 10, 2000665.	19.5	70
65	Joint Cationic and Anionic Redox Chemistry for Advanced Mg Batteries. Nano Letters, 2020, 20, 6852-6858.	9.1	25
66	Simplifying and accelerating kinetics enabling fast-charge Al batteries. Journal of Materials Chemistry A, 2020, 8, 23834-23843.	10.3	12
67	Rational design of layered oxide materials for sodium-ion batteries. Science, 2020, 370, 708-711.	12.6	616
68	Realizing High Volumetric Lithium Storage by Compact and Mechanically Stable Anode Designs. ACS Energy Letters, 2020, 5, 1986-1995.	17.4	72
69	Wearable Bipolar Rechargeable Aluminum Battery. , 2020, 2, 808-813.		19
70	Realizing long-term cycling stability and superior rate performance of 4.5ÂVâ€“LiCoO2 by aluminum doped zinc oxide coating achieved by a simple wet-mixing method. Journal of Power Sources, 2020, 470, 228423.	7.8	57
71	Europium-Doped Ceria Nanowires as Anode for Solid Oxide Fuel Cells. Frontiers in Chemistry, 2020, 8, 348.	3.6	11
72	Ultralow-Concentration Electrolyte for Na-Ion Batteries. ACS Energy Letters, 2020, 5, 1156-1158.	17.4	120

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73	Constructing Naâ€Ion Cathodes via Alkaliâ€Site Substitution. Advanced Functional Materials, 2020, 30, 1910840.	14.9	28
74	Nonflammable Nitrile Deep Eutectic Electrolyte Enables High-Voltage Lithium Metal Batteries. Chemistry of Materials, 2020, 32, 3405-3413.	6.7	145
75	Revealing High Na-Content P2-Type Layered Oxides as Advanced Sodium-Ion Cathodes. Journal of the American Chemical Society, 2020, 142, 5742-5750.	13.7	206
76	Uncovering the Potential of M1â€Siteâ€Activated NASICON Cathodes for Znâ€Ion Batteries. Advanced Materials, 2020, 32, e1907526.	21.0	103
77	Increasing Poly(ethylene oxide) Stability to 4.5 V by Surface Coating of the Cathode. ACS Energy Letters, 2020, 5, 826-832.	17.4	192
78	High-throughput computational discovery of K₂CdO₂ as an ion conductor for solid-state potassium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 5157-5162.	10.3	23
79	Eliminating Transition Metal Migration and Anionic Redox to Understand Voltage Hysteresis of Lithiumâ€Rich Layered Oxides. Advanced Energy Materials, 2020, 10, 1903634.	19.5	45
80	Enabling Stable Cycling of 4.2 V Highâ€Voltage Allâ€Solidâ€State Batteries with PEOâ€Based Solid Electrolyte. Advanced Functional Materials, 2020, 30, 1909392.	14.9	204
81	Mobile Ions in Composite Solids. Chemical Reviews, 2020, 120, 4169-4221.	47.7	193
82	Insights into Lithium and Sodium Storage in Porous Carbon. Nano Letters, 2020, 20, 3836-3843.	9.1	86
83	A stabilized PEO-based solid electrolyte <i>via</i> a facile interfacial engineering method for a high voltage solid-state lithium metal battery. Chemical Communications, 2020, 56, 5633-5636.	4.1	43
84	Practical evaluation of energy densities for sulfide solid-state batteries. ETransportation, 2019, 1, 100010.	14.8	114
85	Liâ€“Ti Cation Mixing Enhanced Structural and Performance Stability of Liâ€Rich Layered Oxide. Advanced Energy Materials, 2019, 9, 1901530.	19.5	76
86	Identifying and Addressing Critical Challenges of High-Voltage Layered Ternary Oxide Cathode Materials. Chemistry of Materials, 2019, 31, 6033-6065.	6.7	164
87	Water-in-Salt Electrolyte Promotes High-Capacity FeFe(CN)₆ Cathode for Aqueous Al-Ion Battery. ACS Applied Materials & Interfaces, 2019, 11, 41356-41362.	8.0	93
88	Revealing an Interconnected Interfacial Layer in Solidâ€State Polymer Sodium Batteries. Angewandte Chemie, 2019, 131, 17182-17188.	2.0	7
89	Correlated Migration Invokes Higher Na⁺â€Ion Conductivity in NaSICONâ€Type Solid Electrolytes. Advanced Energy Materials, 2019, 9, 1902373.	19.5	162
90	Revealing an Interconnected Interfacial Layer in Solidâ€State Polymer Sodium Batteries. Angewandte Chemie - International Edition, 2019, 58, 17026-17032.	13.8	48

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91	Li-free Cathode Materials for High Energy Density Lithium Batteries. Joule, 2019, 3, 2086-2102.	24.0	239
92	Atomic Scale Recognition of Structure in the Intercalation of Sodium by Aberration-Corrected Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2019, 25, 2120-2121.	0.4	0
93	Tuning the Closed Pore Structure of Hard Carbons with the Highest Na Storage Capacity. ACS Energy Letters, 2019, 4, 2608-2612.	17.4	205
94	Slopeâ€Dominated Carbon Anode with High Specific Capacity and Superior Rate Capability for High Safety Naâ€Ion Batteries. Angewandte Chemie, 2019, 131, 4405-4409.	2.0	36
95	Slopeâ€Dominated Carbon Anode with High Specific Capacity and Superior Rate Capability for High Safety Naâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 4361-4365.	13.8	171
96	Trace doping of multiple elements enables stable battery cycling of LiCoO2 at 4.6â€‰V. Nature Energy, 2019, 4, 594-603.	39.5	572
97	In Situ Formation of a Stable Interface in Solid-State Batteries. ACS Energy Letters, 2019, 4, 1650-1657.	17.4	93
98	Ni-based cathode materials for Na-ion batteries. Nano Research, 2019, 12, 2018-2030.	10.4	67
99	Building aqueous K-ion batteries for energy storage. Nature Energy, 2019, 4, 495-503.	39.5	630
100	Trimethyl Borate as Film-Forming Electrolyte Additive To Improve High-Voltage Performances. ACS Applied Materials & Interfaces, 2019, 11, 17435-17443.	8.0	77
101	A novel NASICON-based glass-ceramic composite electrolyte with enhanced Na-ion conductivity. Energy Storage Materials, 2019, 23, 514-521.	18.0	97
102	An In Situ Interface Reinforcement Strategy Achieving Long Cycle Performance of Dualâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1804022.	19.5	92
103	Lithium Plating and Stripping on Carbon Nanotube Sponge. Nano Letters, 2019, 19, 494-499.	9.1	101
104	Native Vacancy Enhanced Oxygen Redox Reversibility and Structural Robustness. Advanced Energy Materials, 2019, 9, 1803087.	19.5	70
105	Iron migration and oxygen oxidation during sodium extraction from NaFeO2. Nano Energy, 2018, 47, 519-526.	16.0	111
106	An O3â€type Oxide with Low Sodium Content as the Phaseâ€Transitionâ€Free Anode for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 7056-7060.	13.8	87
107	An O3â€type Oxide with Low Sodium Content as the Phaseâ€Transitionâ€Free Anode for Sodiumâ€Ion Batteries. Angewandte Chemie, 2018, 130, 7174-7178.	2.0	14
108	Batteries: Prescribing Functional Additives for Treating the Poor Performances of Highâ€Voltage (5) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	19.5	10

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109	Solidâ€State Sodium Batteries. Advanced Energy Materials, 2018, 8, 1703012.	19.5	478
110	Another Strategy, Detouring Potential Decay by Fast Completion of Cation Mixing. Advanced Energy Materials, 2018, 8, 1703092.	19.5	30
111	Drawing a Soft Interface: An Effective Interfacial Modification Strategy for Garnet-Type Solid-State Li Batteries. ACS Energy Letters, 2018, 3, 1212-1218.	17.4	321
112	Reduction Depth Dependent Structural Reversibility of Sn₃(PO₄)₂. ACS Applied Energy Materials, 2018, 1, 129-133.	5.1	8
113	Prescribing Functional Additives for Treating the Poor Performances of Highâ€Voltage (5 Vâ€class) LiNi_{0.5}Mn_{1.5}O₄/MCMB Liâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1701398.	19.5	160
114	Interfaces Between Cathode and Electrolyte in Solid State Lithium Batteries: Challenges and Perspectives. Frontiers in Chemistry, 2018, 6, 616.	3.6	175
115	Surface Doping to Enhance Structural Integrity and Performance of Liâ€Rich Layered Oxide. Advanced Energy Materials, 2018, 8, 1802105.	19.5	228
116	Suppressing the voltage decay of low-cost P2-type iron-based cathode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 20795-20803.	10.3	54
117	Homogeneous Interface Conductivity for Lithium Dendrite-Free Anode. ACS Energy Letters, 2018, 3, 2259-2266.	17.4	124
118	Self-Stabilized Solid Electrolyte Interface on a Host-Free Li-Metal Anode toward High Areal Capacity and Rate Utilization. Chemistry of Materials, 2018, 30, 4039-4047.	6.7	87
119	Reviving lithium cobalt oxide-based lithium secondary batteries-toward a higher energy density. Chemical Society Reviews, 2018, 47, 6505-6602.	38.1	407
120	Preâ€Oxidationâ€Tuned Microstructures of Carbon Anodes Derived from Pitch for Enhancing Na Storage Performance. Advanced Energy Materials, 2018, 8, 1800108.	19.5	179
121	Three-dimensional atomic-scale observation of structural evolution of cathode material in a working all-solid-state battery. Nature Communications, 2018, 9, 3341.	12.8	60
122	New horizons for inorganic solid state ion conductors. Energy and Environmental Science, 2018, 11, 1945-1976.	30.8	894
123	Novel Concentrated Li[(FSO₂)(n-C₄F₉SO₂)N]-Based Ether Electrolyte for Superior Stability of Metallic Lithium Anode. ACS Applied Materials & Interfaces, 2017, 9, 4282-4289.	8.0	62
124	High-voltage and free-standing poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 152 Td (carbonate)/Li_{6.75}La<sub>3< composite solid electrolyte for wide temperature range and flexible solid lithium ion battery. Journal of Materials Chemistry A, 2017, 5, 4940-4948.	10.3	373
125	Novel Design Concepts of Efficient Mgâ€Ion Electrolytes toward Highâ€Performance Magnesiumâ€"Selenium and Magnesiumâ€"Sulfur Batteries. Advanced Energy Materials, 2017, 7, 1602055.	19.5	231
126	An Î±-CrPO₄-type NaV₃(PO₄)₃ anode for sodium-ion batteries with excellent cycling stability and the exploration of sodium storage behavior. Journal of Materials Chemistry A, 2017, 5, 3839-3847.	10.3	24

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127	In Situ Atomic-Scale Observation of Electrochemical Delithiation Induced Structure Evolution of LiCoO₂ Cathode in a Working All-Solid-State Battery. Journal of the American Chemical Society, 2017, 139, 4274-4277.	13.7	142
128	A class of liquid anode for rechargeable batteries with ultralong cycle life. Nature Communications, 2017, 8, 14629.	12.8	71
129	Vacancy-induced MnO₆ distortion and its impacts on structural transition of Li₂MnO₃. Physical Chemistry Chemical Physics, 2017, 19, 7025-7031.	2.8	29
130	Perovskite La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O₃ Nanofibers Decorated with RuO₂ Nanoparticles as an Efficient Bifunctional Cathode for Rechargeable Liâ€“O₂ Batteries. ChemNanoMat, 2017, 3, 485-490.	2.8	25
131	Design and Properties Prediction of <i>AM</i>CO₃F by First-Principles Calculations. ACS Applied Materials & Interfaces, 2017, 9, 13255-13261.	8.0	5
132	A Smart Flexible Zinc Battery with Cooling Recovery Ability. Angewandte Chemie - International Edition, 2017, 56, 7871-7875.	13.8	141
133	Structural stability and stabilization of Li₂MoO₃. Physical Chemistry Chemical Physics, 2017, 19, 17538-17543.	2.8	20
134	A Smart Flexible Zinc Battery with Cooling Recovery Ability. Angewandte Chemie, 2017, 129, 7979-7983.	2.0	59
135	A new Na[(FSO₂)(n-C₄F₉SO₂)N]-based polymer electrolyte for solid-state sodium batteries. Journal of Materials Chemistry A, 2017, 5, 7738-7743.	10.3	76
136	Novel Methods for Sodiumâ€Ion Battery Materials. Small Methods, 2017, 1, 1600063.	8.6	84
137	A Well-Defined Silicon Nanoconeâ€“Carbon Structure for Demonstrating Exclusive Influences of Carbon Coating on Silicon Anode of Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 2806-2814.	8.0	29
138	Controlled deposition of Li metal. Nano Energy, 2017, 32, 241-246.	16.0	70
139	Design and Comparative Study of O3/P2 Hybrid Structures for Room Temperature Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 40215-40223.	8.0	95
140	Advanced Nanostructured Anode Materials for Sodiumâ€Ion Batteries. Small, 2017, 13, 1701835.	10.0	206
141	Finding a Needle in the Haystack: Identification of Functionally Important Minority Phases in an Operating Battery. Nano Letters, 2017, 17, 7782-7788.	9.1	42
142	Two Players Make a Formidable Combination: In Situ Generated Poly(acrylic anhydride-2-methyl-acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 High-Voltage Batteries. ACS Applied Materials & Interfaces, 2017, 9, 41462-41472.	8.0	63
143	Oxysulfide LiAlSO: A Lithium Superionic Conductor from First Principles. Physical Review Letters, 2017, 118, 195901.	7.8	58
144	A Selfâ€Forming Composite Electrolyte for Solidâ€State Sodium Battery with Ultralong Cycle Life. Advanced Energy Materials, 2017, 7, 1601196.	19.5	231

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145	In Situ Formation of Polysulfonamide Supported Poly(ethylene glycol) Divinyl Ether Based Polymer Electrolyte toward Monolithic Sodium Ion Batteries. Small, 2017, 13, 1601530.	10.0	58
146	In Situ Generation of Poly (Vinylene Carbonate) Based Solid Electrolyte with Interfacial Stability for LiCoO₂ Lithium Batteries. Advanced Science, 2017, 4, 1600377.	11.2	377
147	Hard Carbon Microtubes Made from Renewable Cotton as Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1600659.	19.5	655
148	Improved Cycling Stability of Lithiumâ€Metal Anode with Concentrated Electrolytes Based on Lithium (Fluorosulfonyl)(trifluoromethanesulfonyl)imide. ChemElectroChem, 2016, 3, 531-536.	3.4	67
149	Li₂C₂, a Highâ€Capacity Cathode Material for Lithium Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 644-648.	13.8	29
150	Single Lithiumâ€Ion Conducting Polymer Electrolytes Based on a Superâ€Delocalized Polyanion. Angewandte Chemie - International Edition, 2016, 55, 2521-2525.	13.8	411
151	Oxygen-driven transition from two-dimensional to three-dimensional transport behaviour in Î²-Li₃PS₄ electrolyte. Physical Chemistry Chemical Physics, 2016, 18, 21269-21277.	2.8	66
152	Progress in nitrile-based polymer electrolytes for high performance lithium batteries. Journal of Materials Chemistry A, 2016, 4, 10070-10083.	10.3	243
153	Surface and Interface Issues in Spinel LiNi_{0.5}Mn_{1.5}O₄: Insights into a Potential Cathode Material for High Energy Density Lithium Ion Batteries. Chemistry of Materials, 2016, 28, 3578-3606.	6.7	296
154	Novel 1.5 V anode materials, ATiOPO4(A = NH4, K, Na), for room-temperature sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 7141-7147.	10.3	35
155	Dynamic Octahedral Breathing in Oxygen-Deficient Ba_{0.9}Co_{0.7}Fe_{0.2}Nb_{0.1}O_{3-Î´} Perovskite Performing as a Cathode in Intermediate-Temperature SOFC. Inorganic Chemistry, 2016, 55, 3091-3097.	4.0	23
156	Novel Li[(CF₃SO₂)(n-C₄F₉SO₂)N]-Based Polymer Electrolytes for Solid-State Lithium Batteries with Superior Electrochemical Performance. ACS Applied Materials & Interfaces, 2016, 8, 29705-29712.	8.0	87
157	A ceramic/polymer composite solid electrolyte for sodium batteries. Journal of Materials Chemistry A, 2016, 4, 15823-15828.	10.3	152
158	Sodium Bis(fluorosulfonyl)imide/Poly(ethylene oxide) Polymer Electrolytes for Sodiumâ€Ion Batteries. ChemElectroChem, 2016, 3, 1741-1745.	3.4	76
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