Hanxi Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5604175/publications.pdf

Version: 2024-02-01

125 papers	14,042 citations	18436 62 h-index	20307 116 g-index
127 all docs	127 docs citations	127 times ranked	10467 citing authors

#	Article	IF	Citations
1	Manipulating Adsorptionâ€“Insertion Mechanisms in Nanostructured Carbon Materials for Highâ€Efficiency Sodium Ion Storage. Advanced Energy Materials, 2017, 7, 1700403.	10.2	662
2	Sbâ€“C nanofibers with long cycle life as an anode material for high-performance sodium-ion batteries. Energy and Environmental Science, 2014, 7, 323-328.	15.6	594
3	High Capacity and Rate Capability of Amorphous Phosphorus for Sodium Ion Batteries. Angewandte Chemie - International Edition, 2013, 52, 4633-4636.	7.2	588
4	Non-flammable electrolytes with high salt-to-solvent ratios for Li-ion and Li-metal batteries. Nature Energy, 2018, 3, 674-681.	19.8	557
5	Prussian Blue Cathode Materials for Sodiumâ€Ion Batteries and Other Ion Batteries. Advanced Energy Materials, 2018, 8, 1702619.	10.2	460
6	Hierarchical Carbon Framework Wrapped Na₃V₂(PO₄)₃ as a Superior Highâ€Rate and Extended Lifespan Cathode for Sodiumâ€Ion Batteries. Advanced Materials, 2015, 27, 5895-5900.	11.1	448
7	Lowâ€Defect and Lowâ€Porosity Hard Carbon with High Coulombic Efficiency and High Capacity for Practical Sodium Ion Battery Anode. Advanced Energy Materials, 2018, 8, 1703238.	10.2	414
8	Routes to High Energy Cathodes of Sodiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1501727.	10.2	408
9	Synergistic Na-Storage Reactions in Sn₄P₃ as a High-Capacity, Cycle-stable Anode of Na-Ion Batteries. Nano Letters, 2014, 14, 1865-1869.	4.5	379
10	Highly Crystallized Na₂CoFe(CN)₆ with Suppressed Lattice Defects as Superior Cathode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 5393-5399.	4.0	334
11	Single-crystal FeFe(CN)6 nanoparticles: a high capacity and high rate cathode for Na-ion batteries. Journal of Materials Chemistry A, 2013, 1, 10130.	5.2	295
12	A low-cost and environmentally benign aqueous rechargeable sodium-ion battery based on NaTi2(PO4)3â€“Na2NiFe(CN)6 intercalation chemistry. Electrochemistry Communications, 2013, 31, 145-148.	2.3	289
13	Phosphate Framework Electrode Materials for Sodium Ion Batteries. Advanced Science, 2017, 4, 1600392.	5.6	275
14	Nanosized Na₄Fe(CN)₆/C Composite as a Lowâ€Cost and Highâ€Rate Cathode Material for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2012, 2, 410-414.	10.2	257
15	Recent Progress in Rechargeable Sodiumâ€Ion Batteries: toward Highâ€Power Applications. Small, 2019, 15, e1805427.	5.2	254
16	3D Graphene Decorated NaTi₂(PO₄)₃ Microspheres as a Superior Highâ€Rate and Ultracycleâ€Stable Anode Material for Sodium Ion Batteries. Advanced Energy Materials, 2016, 6, 1502197.	10.2	251
17	Synthesis and electrochemical behaviors of layered Na0.67[Mn0.65Co0.2Ni0.15]O2 microflakes as a stable cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 3895.	5.2	244
18	In Situ Generation of Fewâ€Layer Graphene Coatings on SnO₂â€SiC Coreâ€Shell Nanoparticles for Highâ€Performance Lithiumâ€Ion Storage. Advanced Energy Materials, 2012, 2, 95-102.	10.2	233

#	Article	IF	Citations
19	Recent Advances in Sodium-Ion Battery Materials. Electrochemical Energy Reviews, 2018, 1, 294-323.	13.1	224
20	Enhanced high-rate capability and cycling stability of Na-stabilized layered Li1.2[Co0.13Ni0.13Mn0.54]O2 cathode material. Journal of Materials Chemistry A, 2013, 1, 11397.	5.2	219
21	Graphene-Scaffolded Na₃V₂(PO₄)₃ Microsphere Cathode with High Rate Capability and Cycling Stability for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 7177-7184.	4.0	156
22	Effective Chemical Prelithiation Strategy for Building a Silicon/Sulfur Li-Ion Battery. ACS Energy Letters, 2019, 4, 1717-1724.	8.8	151
23	Stable Li Metal Anode with â€œIonâ€“Solvent-Coordinatedâ€•Nonflammable Electrolyte for Safe Li Metal Batteries. ACS Energy Letters, 2019, 4, 483-488.	8.8	148
24	Recent Progress in Ironâ€Based Electrode Materials for Gridâ€Scale Sodiumâ€Ion Batteries. Small, 2018, 14, 1703116.	5.2	146
25	Chemically Prelithiated Hardâ€Carbon Anode for High Power and High Capacity Liâ€Ion Batteries. Small, 2020, 16, e1907602.	5.2	144
26	A tin(<scp>ii</scp>) sulfideâ€“carbon anode material based on combined conversion and alloying reactions for sodium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 16424-16428.	5.2	142
27	High-Performance Olivine NaFePO₄ Microsphere Cathode Synthesized by Aqueous Electrochemical Displacement Method for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 17977-17984.	4.0	141
28	3D graphene decorated Na4Fe3(PO4)2(P2O7) microspheres as low-cost and high-performance cathode materials for sodium-ion batteries. Nano Energy, 2019, 56, 160-168.	8.2	134
29	A Snâ€“SnSâ€“C nanocomposite as anode host materials for Na-ion batteries. Journal of Materials Chemistry A, 2013, 1, 7181.	5.2	130
30	Sulfur/carbon nanocomposite-filled polyacrylonitrile nanofibers as a long life and high capacity cathode for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2015, 3, 7406-7412.	5.2	130
31	Exploring Sodiumâ€Ion Storage Mechanism in Hard Carbons with Different Microstructure Prepared by Ballâ€Milling Method. Small, 2018, 14, e1802694.	5.2	127
32	A Perylene Diimide Crystal with High Capacity and Stable Cyclability for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 21095-21099.	4.0	125
33	Electrospun TiO₂/C Nanofibers As a High-Capacity and Cycle-Stable Anode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 16684-16689.	4.0	121
34	An Overall Understanding of Sodium Storage Behaviors in Hard Carbons by an â€œAdsorptionâ€Intercalation/Fillingâ€•Hybrid Mechanism. Advanced Energy Materials, 2022, 12, .	10.2	121
35	A Highly Thermostable Ceramic-Grafted Microporous Polyethylene Separator for Safer Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 24119-24126.	4.0	119
36	Suppression of Dendritic Lithium Growth by in Situ Formation of a Chemically Stable and Mechanically Strong Solid Electrolyte Interphase. ACS Applied Materials & Interfaces, 2018, 10, 593-601.	4.0	116

#	Article	IF	Citations
37	Low Defect FeFe(CN)₆ Framework as Stable Host Material for High Performance Li-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 23706-23712.	4.0	115
38	Achieving Desirable Initial Coulombic Efficiencies and Full Capacity Utilization of Liâ€Ion Batteries by Chemical Prelithiation of Graphite Anode. Advanced Functional Materials, 2021, 31, 2101181.	7.8	115
39	Ultralowâ€Strain Znâ€Substituted Layered Oxide Cathode with Suppressed P2â€“O2 Transition for Stable Sodium Ion Storage. Advanced Functional Materials, 2020, 30, 1910327.	7.8	110
40	Electrochemical properties and morphological evolution of pitaya-like Sb@C microspheres as high-performance anode for sodium ion batteries. Journal of Materials Chemistry A, 2015, 3, 5708-5713.	5.2	104
41	Hierarchical porous Li2FeSiO4/C composite with 2 Li storage capacity and long cycle stability for advanced Li-ion batteries. Journal of Materials Chemistry A, 2013, 1, 4988.	5.2	103
42	Suppressing Voltage Fading of Liâ€Rich Oxide Cathode via Building a Wellâ€Protected and Partiallyâ€Protonated Surface by Polyacrylic Acid Binder for Cycleâ€Stable Liâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 1904264.	10.2	101
43	Novel Ceramic-Grafted Separator with Highly Thermal Stability for Safe Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 25970-25975.	4.0	100
44	In Situ Grown Fe₂O₃ Single Crystallites on Reduced Graphene Oxide Nanosheets as High Performance Conversion Anode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 19900-19907.	4.0	97
45	Chemically Presodiated Hard Carbon Anodes with Enhanced Initial Coulombic Efficiencies for High-Energy Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 17620-17627.	4.0	95
46	Poly(anthraquinonyl imide) as a high capacity organic cathode material for Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 11491-11497.	5.2	91
47	A Nonflammable Na⁺â€Based Dualâ€Carbon Battery with Lowâ€Cost, High Voltage, and Long Cycle Life. Advanced Energy Materials, 2018, 8, 1802176.	10.2	90
48	Dual Coreâ€“Shell Structured Si@SiO_x@C Nanocomposite Synthesized via a One-Step Pyrolysis Method as a Highly Stable Anode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 31611-31616.	4.0	88
49	Surface-oriented and nanoflake-stacked LiNi0.5Mn1.5O4 spinel for high-rate and long-cycle-life lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 17768.	6.7	86
50	Understanding of the sodium storage mechanism in hard carbon anodes. , 2022, 4, 1133-1150.		83
51	Grapheneâ€Wrapped Na₂C₁₂H₆O₄ Nanoflowers as High Performance Anodes for Sodiumâ€Ion Batteries. Small, 2016, 12, 583-587.	5.2	82
52	Enabling an intrinsically safe and highâ€energyâ€density 4.5 Vâ€class Liâ€ion battery with nonflammable electrolyte. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 984-992.	8.5	81
53	Electroactive organic anionâ€doped polypyrrole as a low cost and renewable cathode for sodiumâ€ion batteries. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 114-118.	2.4	76
54	Mesoporous Silica Reinforced Hybrid Polymer Artificial Layer for High-Energy and Long-Cycling Lithium Metal Batteries. ACS Energy Letters, 2020, 5, 1644-1652.	8.8	74

#	Article	IF	Citations
55	Graphene-supported TiO₂ nanospheres as a high-capacity and long-cycle life anode for sodium ion batteries. Journal of Materials Chemistry A, 2016, 4, 11351-11356.	5.2	72
56	A novel bifunctional thermo-sensitive poly(lactic acid)@poly(butylene succinate) coreâ€“shell fibrous separator prepared by a coaxial electrospinning route for safe lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 23238-23242.	5.2	70
57	Antimony Nanocrystals Encapsulated in Carbon Microspheres Synthesized by a Facile Self-Catalyzing Solvothermal Method for High-Performance Sodium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2016, 8, 1337-1343.	4.0	69
58	Yolkâ€“Shell TiO₂@C Nanocomposite as High-Performance Anode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 345-353.	4.0	69
59	Sulfurâ€Based Electrodes that Function via Multielectron Reactions for Roomâ€Temperature Sodiumâ€Ion Storage. Angewandte Chemie - International Edition, 2019, 58, 18324-18337.	7.2	69
60	Building thermally stable Li-ion batteries using a temperature-responsive cathode. Journal of Materials Chemistry A, 2016, 4, 11239-11246.	5.2	68
61	Ethylene Carbonateâ€Free Propylene Carbonateâ€Based Electrolytes with Excellent Electrochemical Compatibility for Liâ€Ion Batteries through Engineering Electrolyte Solvation Structure. Advanced Energy Materials, 2021, 11, 2003905.	10.2	68
62	Tunable Electrocatalytic Behavior of Sodiated MoS₂ Active Sites toward Efficient Sulfur Redox Reactions in Roomâ€Temperature Naâ€“S Batteries. Advanced Materials, 2021, 33, e2100229.	11.1	66
63	Fe(CN)6â"4-doped polypyrrole: a high-capacity and high-rate cathode material for sodium-ion batteries. RSC Advances, 2012, 2, 5495.	1.7	64
64	Symmetric Sodium-Ion Capacitor Based on Na_{0.44}MnO₂ Nanorods for Low-Cost and High-Performance Energy Storage. ACS Applied Materials & Interfaces, 2018, 10, 11689-11698.	4.0	62
65	Temperature-responsive microspheres-coated separator for thermal shutdown protection of lithium ion batteries. RSC Advances, 2015, 5, 172-176.	1.7	61
66	Facile synthesis and stable lithium storage performances of Sn- sandwiched nanoparticles as a high capacity anode material for rechargeable Li batteries. Journal of Materials Chemistry, 2010, 20, 7266.	6.7	60
67	Highly Selective and Pollutionâ€Free Electrochemical Extraction of Lithium by a Polyaniline/Li_xMn₂O₄ Cell. ChemSusChem, 2019, 12, 1361-1367.	3.6	60
68	Electrolytes for Dualâ€Carbon Batteries. ChemElectroChem, 2019, 6, 2615-2629.	1.7	59
69	High Rate, Long Lifespan LiV₃O₈ Nanorods as a Cathode Material for Lithiumâ€Ion Batteries. Small, 2017, 13, 1603148.	5.2	57
70	Covalently Bonded Silicon/Carbon Nanocomposites as Cycle-Stable Anodes for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 16411-16416.	4.0	55
71	Building a cycle-stable sulphur cathode by tailoring its redox reaction into a solid-phase conversion mechanism. Journal of Materials Chemistry A, 2018, 6, 23396-23407.	5.2	52
72	High Capacity and Cycle-Stable Hard Carbon Anode for Nonflammable Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 38141-38150.	4.0	51

#	Article	IF	Citations
73	In Situ Formation of Co₉S₈ Nanoclusters in Sulfur-Doped Carbon Foam as a Sustainable and High-Rate Sodium-Ion Anode. ACS Applied Materials & Interfaces, 2019, 11, 19218-19226.	4.0	51
74	Novel Alkaline Zn/Na_{0.44}MnO₂ Dual-Ion Battery with a High Capacity and Long Cycle Lifespan. ACS Applied Materials & Interfaces, 2018, 10, 34108-34115.	4.0	50
75	Microstructureâ€Dependent Charge/Discharge Behaviors of Hollow Carbon Spheres and its Implication for Sodium Storage Mechanism on Hard Carbon Anodes. Small, 2021, 17, e2102248.	5.2	50
76	Understanding Voltage Decay in Lithium-Rich Manganese-Based Layered Cathode Materials by Limiting Cutoff Voltage. ACS Applied Materials & Interfaces, 2016, 8, 18867-18877.	4.0	43
77	A Bifunctional Fluorophosphate Electrolyte for Safer Sodium-Ion Batteries. IScience, 2018, 10, 114-122.	1.9	43
78	Grapheneâ€Modified TiO₂ Microspheres Synthesized by a Facile Sprayâ€Drying Route for Enhanced Sodiumâ€Ion Storage. Particle and Particle Systems Characterization, 2016, 33, 545-552.	1.2	42
79	Direct Regeneration of Spent Li-Ion Battery Cathodes via Chemical Relithiation Reaction. ACS Sustainable Chemistry and Engineering, 2021, 9, 16384-16393.	3.2	42
80	The Influences of Organic Additives on Zinc Electrocrystallization from KCl Solutions. Journal of the Electrochemical Society, 1999, 146, 1789-1793.	1.3	40
81	Understanding the Electrochemical Compatibility and Reaction Mechanism on Na Metal and Hard Carbon Anodes of PC-Based Electrolytes for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 39651-39660.	4.0	40
82	High-Safety Symmetric Sodium-Ion Batteries Based on Nonflammable Phosphate Electrolyte and Double Na₃V₂(PO₄)₃ Electrodes. ACS Applied Materials & Interfaces, 2019, 11, 27833-27838.	4.0	40
83	Highly Electrochemicallyâ€Reversible Mesoporous Na₂FePO₄F/C as Cathode Material for Highâ€Performance Sodiumâ€Ion Batteries. Small, 2019, 15, e1903723.	5.2	38
84	An All-Phosphate and Zero-Strain Sodium-Ion Battery Based on Na₃V₂(PO₄)₃ Cathode, NaTi₂(PO₄)₃ Anode, and Trimethyl Phosphate Electrolyte with Intrinsic Safety and Long Lifespan. ACS Applied Materials & Interfaces, 2017, 9, 43733-43738.	4.0	36
85	Chemically presodiated Sb with a fluoride-rich interphase as a cycle-stable anode for high-energy sodium ion batteries. Journal of Materials Chemistry A, 2021, 9, 5639-5647.	5.2	36
86	Metal/<scp>covalentâ€organic</scp> frameworks for electrochemical energy storage applications. EcoMat, 2021, 3, e12133.	6.8	36
87	Facile and reversible digestion and regeneration of zirconium-based metal-organic frameworks. Communications Chemistry, 2020, 3, .	2.0	35
88	Exfoliation of MoS₂ Nanosheets Enabled by a Redox-Potential-Matched Chemical Lithiation Reaction. Nano Letters, 2022, 22, 2956-2963.	4.5	35
89	Improved rate capability of the conducting functionalized FTO-coated Li-[Li_{0.2}Mn_{0.54}Ni_{0.13}Co_{0.13}]O₂ cathode material for Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 17113-17119.	5.2	34
90	High-Capacity Hard Carbon Pyrolyzed from Subbituminous Coal as Anode for Sodium-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 729-735.	2.5	34

#	Article	IF	Citations
91	Building a Cycle-Stable Feâ€“Si Alloy/Carbon Nanocomposite Anode for Li-Ion Batteries through a Covalent-Bonding Method. ACS Applied Materials & Interfaces, 2020, 12, 30503-30509.	4.0	34
92	Amorphous NaVOPO ₄ as a High-Rate and Ultrastable Cathode Material for Sodium-Ion Batteries. CCS Chemistry, 2021, 3, 2428-2436.	4.6	34
93	Effects of Anions on the Zinc Electrodeposition onto Glassy-Carbon Electrode. Russian Journal of Electrochemistry, 2002, 38, 321-325.	0.3	33
94	Enabling stable and high-rate cycling of a Ni-rich layered oxide cathode for lithium-ion batteries by modification with an artificial Li⁺-conducting cathode-electrolyte interphase. Journal of Materials Chemistry A, 2021, 9, 11623-11631.	5.2	33
95	Sodiumâ€Ion Batteries: Prussian Blue Cathode Materials for Sodiumâ€Ion Batteries and Other Ion Batteries (Adv. Energy Mater. 17/2018). Advanced Energy Materials, 2018, 8, 1870079.	10.2	32
96	Surface-Bound Silicon Nanoparticles with a Planar-Oriented N-Type Polymer for Cycle-Stable Li-Ion Battery Anode. ACS Applied Materials & Interfaces, 2019, 11, 13251-13256.	4.0	30
97	Coaxial Three-Layered Carbon/Sulfur/Polymer Nanofibers with High Sulfur Content and High Utilization for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 11626-11633.	4.0	29
98	Surface Modification of Fe₇S₈/C Anode via Ultrathin Amorphous TiO₂ Layer for Enhanced Sodium Storage Performance. Small, 2020, 16, e2000745.	5.2	28
99	Synthesis and electrochemical properties of high-voltage LiNi0.5Mn1.5O4 electrode material for Li-ion batteries by the polymer-pyrolysis method. Journal of Solid State Electrochemistry, 2006, 10, 283-287.	1.2	27
100	Electrochemical properties of nano-crystalline LiNi0.5Mn1.5O4 synthesized by polymer-pyrolysis method. Journal of Solid State Electrochemistry, 2008, 12, 687-691.	1.2	27
101	Hard Carbon Fibers Pyrolyzed from Wool as High-Performance Anode for Sodium-Ion Batteries. Jom, 2016, 68, 2579-2584.	0.9	26
102	Building a Thermal Shutdown Cathode for Liâ€Ion Batteries Using Temperatureâ€Responsive Poly(3â€Dodecylthiophene). Energy Technology, 2020, 8, 2000365.	1.8	26
103	Surface-engineering enhanced sodium storage performance of Na3V2(PO4)3 cathode via in-situ self-decorated conducting polymer route. Science China Chemistry, 2017, 60, 1546-1553.	4.2	24
104	A High-Voltage and Cycle Stable Aqueous Rechargeable Na-Ion Battery Based on Na₂Zn₃[Fe(CN)₆]₂â€“NaTi₂(PO₄)₃ Intercalation Chemistry. ACS Applied Energy Materials, 2019, 2, 5809-5815.	2.5	24
105	Enabling electrochemical compatibility of non-flammable phosphate electrolytes for lithium-ion batteries by tuning their molar ratios of salt to solvent. Chemical Communications, 2020, 56, 6559-6562.	2.2	23
106	Pb-sandwiched nanoparticles as anode material for lithium-ion batteries. Journal of Solid State Electrochemistry, 2012, 16, 291-295.	1.2	22
107	Enabling a high capacity and long cycle life for nano-Si anodes by building a stable solid interface with a Li⁺-conducting polymer. Journal of Materials Chemistry A, 2015, 3, 9938-9944.	5.2	22
108	The Underlying Mechanism for Reduction Stability of Organic Electrolytes in Lithium Secondary Batteries. Chemical Science, 2021, 12, 9037-9041.	3.7	22

#	Article	IF	Citations
109	Synthesis of Monoclinic Li[Li_{0.2}Mn_{0.54}Ni_{0.13}Co_{0.13}]O₂ Nanoparticles by a Layeredâ€Template Route for Highâ€Performance Liâ€Ion Batteries. European Journal of Inorganic Chemistry, 2013, 2013, 2887-2892.	1.0	19
110	Flaky and Dense Lithium Deposition Enabled by a Nanoporous Copper Surface Layer on Lithium Metal Anode. , 2020, 2, 358-366.		19
111	Electrochemical Insight into the Sodium-Ion Storage Mechanism on a Hard Carbon Anode. ACS Applied Materials & Interfaces, 2021, 13, 18914-18922.	4.0	18
112	Enhanced electrochemical performance of submicron LiCoO2 synthesized by polymer pyrolysis method. Journal of Solid State Electrochemistry, 2007, 12, 149-153.	1.2	17
113	A Solidâ€Phase Conversion Sulfur Cathode with Full Capacity Utilization and Superior Cycle Stability for Lithiumâ€Sulfur Batteries. Small, 2022, 18, e2106144.	5.2	16
114	A Membrane-Free and Energy-Efficient Three-Step Chlor-Alkali Electrolysis with Higher-Purity NaOH Production. ACS Applied Materials & Interfaces, 2019, 11, 45126-45132.	4.0	14
115	In Situ-Formed Artificial Solid Electrolyte Interphase for Boosting the Cycle Stability of Si-Based Anodes for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 22505-22513.	4.0	14
116	A redoxâ€active polythiopheneâ€modified separator for safety control of lithiumâ€ion batteries. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1487-1493.	2.4	13
117	A controllable thermal-sensitivity separator with an organicâ€“inorganic hybrid interlayer for high-safety lithium-ion batteries. Materials Chemistry Frontiers, 2021, 5, 2313-2319.	3.2	10
118	SnO2-Reduced Graphene Oxide Nanocomposites via Microwave Route as Anode for Sodium-Ion Battery. Jom, 2016, 68, 2607-2612.	0.9	9
119	Schwefelâ€basierte Elektroden mit Mehrelektronenreaktionen fÃ¼r Raumtemperaturâ€Natriumionenspeicherung. Angewandte Chemie, 2019, 131, 18490-18504.	1.6	9
120	Improved Initial Charging Capacity of Na-poor Na0.44MnO2 via Chemical Presodiation Strategy for Low-cost Sodium-ion Batteries. Chemical Research in Chinese Universities, 2021, 37, 274-279.	1.3	9
121	Low temperature hydrothermal synthesis and electrochemical performances of LiFePO4 microspheres as a cathode material for lithium-ion batteries. Science Bulletin, 2012, 57, 4164-4169.	1.7	6
122	Reversible Temperature-Responsive Cathode for Thermal Protection of Lithium-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 5236-5244.	2.5	6
123	In Situ Generation of Few-Layer Graphene Coatings on SnO2-SiC Core-Shell Nanoparticles for High-Performance Lithium-Ion Storage (Adv. Energy Mater. 1/2012). Advanced Energy Materials, 2012, 2, 94-94.	10.2	5
124	Efficient and Facile Electrochemical Process for the Production of High-Quality Lithium Hexafluorophosphate Electrolyte. ACS Applied Materials & Interfaces, 2020, 12, 32771-32777.	4.0	5
125	An efficient and nonflammable organic phosphate electrolyte for dye-sensitized solar cells. Journal of Applied Electrochemistry, 2009, 39, 1939-1942.	1.5	2