

Guangmin Zhou

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/4133539/publications.pdf](https://exaly.com/author-pdf/4133539/publications.pdf)

Version: 2024-02-01

259
papers

38,900
citations

4010

85
h-index

2314

193
g-index

271
all docs

271
docs citations

271
times ranked

24356
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional silica enhanced solid polymer electrolyte for lithium metal batteries. <i>Particuology</i> , 2024, 85, 146-154.	4.0	7
2	Unraveling the Coupling Effect between Cathode and Anode toward Practical Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2024, 36, .	24.1	18
3	Integrated interconnected porous and lamellar structures realized fast ion/electron conductivity in high-performance lithium-sulfur batteries. <i>Chinese Chemical Letters</i> , 2024, 35, 109200.	9.1	1
4	Band Structure Engineering and Orbital Orientation Control Constructing Dual Active Sites for Efficient Sulfur Redox Reaction. <i>Advanced Materials</i> , 2024, 36, .	24.1	14
5	Room-Temperature Salt Template Synthesis of Nitrogen-Doped 3D Porous Carbon for Fast Metal-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.7	8
6	Design and application of copper/lithium composite anodes for advanced lithium metal batteries. <i>Rare Metals</i> , 2024, 43, 942-970.	7.2	5
7	Integration of Porous High-Loading Electrode and Gel Polymer Electrolyte for High-Performance Quasi-Solid-State Battery. <i>Advanced Energy Materials</i> , 2024, 14, .	22.1	5
8	Room-Temperature Salt Template Synthesis of Nitrogen-Doped 3D Porous Carbon for Fast Metal-Ion Storage. <i>Angewandte Chemie</i> , 2024, 136, .	2.1	0
9	A Multifunctional Amino Acid Enables Direct Recycling of Spent LiFePO ₄ Cathode Material. <i>Advanced Materials</i> , 2024, 36, .	24.1	12
10	Homogeneous Repair of Highly Degraded Ni-Rich Cathode Material with Spent Lithium Anode. <i>Advanced Materials</i> , 2024, 36, .	24.1	1
11	An extended substrate screening strategy enabling a low lattice mismatch for highly reversible zinc anodes. <i>Nature Communications</i> , 2024, 15, .	13.2	17
12	Self-Assembly of Ultrathin, Ultrastrong Layered Membranes by Protic Solvent Penetration. <i>Journal of the American Chemical Society</i> , 2024, 146, 3553-3563.	14.6	5
13	Rapid and sustainable battery health diagnosis for recycling pretreatment using fast pulse test and random forest machine learning. <i>Journal of Power Sources</i> , 2024, 597, 234156.	8.0	7
14	Subtractive transformation of cathode materials in spent Li-ion batteries to a low-cobalt 5 V-class cathode material. <i>Nature Communications</i> , 2024, 15, .	13.2	7
15	Achieving Stable Lithium Anodes through Leveraging Inevitable Stress Variations via Adaptive Piezoelectric Effect. <i>Advanced Materials</i> , 2024, 36, .	24.1	0
16	Intrinsic carbon structure modification overcomes the challenge of potassium bond chemistry. <i>Energy and Environmental Science</i> , 2024, 17, 2968-3003.	32.2	1
17	Toward Direct Regeneration of Spent Lithium-Ion Batteries: A Next-Generation Recycling Method. <i>Chemical Reviews</i> , 2024, 124, 2839-2887.	51.5	22
18	Fast Li Replenishment Channels-Assisted Recycling of Degraded Layered Cathodes with Enhanced Cycling Performance and Thermal Stability. <i>Advanced Materials</i> , 2024, 36, .	24.1	4

#	ARTICLE	IF	CITATIONS
19	Constructing an inorganic-rich solid electrolyte interphase by adjusting electrolyte additives for stable Li metal anodes. <i>Journal of Materials Chemistry A</i> , 2024, 12, 10072-10080.	10.5	2
20	Deciphering the contributing motifs of reconstructed cobalt (II) sulfides catalysts in Li-CO ₂ batteries. <i>Nature Communications</i> , 2024, 15, .	13.2	4
21	A Cu-Ag double-layer coating strategy for stable and reversible Zn metal anodes. <i>Journal of Colloid and Interface Science</i> , 2024, 665, 163-171.	9.7	2
22	Degradation Mechanisms of Electrodes Promotes Direct Regeneration of Spent Li-ion Batteries: A Review. <i>Advanced Materials</i> , 2024, 36, .	24.1	5
23	Single-Atom Catalysts with Unsaturated Co ^{N₂} Active Sites Based on a C ₂ N 2D-Organic Framework for Efficient Sulfur Redox Reaction. <i>ACS Energy Letters</i> , 2024, 9, 2083-2091.	18.3	4
24	Constructing Bipolar Dual-Active Sites through High-Entropy-Induced Electric Dipole Transition for Decoupling Oxygen Redox. <i>Advanced Materials</i> , 2024, 36, .	24.1	0
25	A high-current initiated formation strategy for improved cycling stability of anode-free lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2024, 12, 11719-11729.	10.5	0
26	Uncovering the Geometry Activity of Spinel Oxides in Li-CO ₂ Battery Reactions. <i>ACS Energy Letters</i> , 2024, 9, 2173-2181.	18.3	2
27	Self-Catalyzed Growth of Co ₄ N and N-Doped Carbon Nanotubes toward Bifunctional Cathode for Highly Safe and Flexible Li-Air Batteries. <i>ACS Nano</i> , 2024, 18, 10902-10911.	15.2	1
28	Chlorine bridge bond-enabled binuclear copper complex for electrocatalyzing lithium-sulfur reactions. <i>Nature Communications</i> , 2024, 15, .	13.2	11
29	Tailoring $\langle \text{Li}_2\text{CO}_3 \rangle$ configuration and orbital structure of $\langle \text{CoS} \rangle$ to improve catalytic activity and stability for Li-CO ₂ batteries. <i>EcoMat</i> , 2024, 6, .	12.0	1
30	Unraveling Paradoxical Effects of Large Current Density on Zn Deposition. <i>Advanced Materials</i> , 2024, 36, .	24.1	0
31	A locally solvent-tethered polymer electrolyte for long-life lithium metal batteries. <i>Nature Communications</i> , 2024, 15, .	13.2	0
32	In Situ Construction of a Multifunctional Interphase Enabling Continuous Capture of Unstable Lattice Oxygen Under Ultrahigh Voltages. <i>Journal of the American Chemical Society</i> , 2024, 146, 14036-14047.	14.6	0
33	Asymmetric Coordination of Bimetallic Fe-Co Single-Atom Pairs toward Enhanced Bifunctional Activity for Rechargeable Zinc-Air Batteries. <i>ACS Nano</i> , 2024, 18, 13006-13018.	15.2	1
34	Sustainable upcycling of mixed spent cathodes to a high-voltage polyanionic cathode material. <i>Nature Communications</i> , 2024, 15, .	13.2	1
35	In situ constructing a porous organic component-zincophilic Cu clusters layer on zinc anode for high performance aqueous zinc ion batteries. <i>Chemical Engineering Journal</i> , 2024, 494, 152789.	13.0	0
36	Fe ₃ O ₄ -doped mesoporous carbon cathode with a plumber's nightmare structure for high-performance Li-S batteries. <i>Nature Communications</i> , 2024, 15, .	13.2	2

#	ARTICLE	IF	CITATIONS
37	Energy-saving hydrogen production by seawater electrolysis coupling tip-enhanced electric field promoted electrocatalytic sulfion oxidation. <i>Nature Communications</i> , 2024, 15, .	13.2	0
38	Towards High Value-Added Recycling of Spent Lithium-Ion Batteries for Catalysis Application. <i>Electrochemical Energy Reviews</i> , 2024, 7, .	26.2	0
39	An ultraflexible energy harvesting-storage system for wearable applications. <i>Nature Communications</i> , 2024, 15, .	13.2	0
40	High-voltage electrosynthesis of organic-inorganic hybrid with ultrahigh fluorine content toward fast Li-ion transport. <i>Science Advances</i> , 2024, 10, .	10.9	0
41	Fast Remaining Capacity Estimation for Lithium-Ion Batteries Based on Short-time Pulse Test and Gaussian Process Regression. <i>Energy and Environmental Materials</i> , 2023, 6, .	13.2	6
42	Long-life Regenerated LiFePO_4 from Spent Cathode by Elevating the d-Band Center of Fe. <i>Advanced Materials</i> , 2023, 35, .	24.1	75
43	A 3D Framework with Li_3N - Li_2S Solid Electrolyte Interphase and Fast Ion Transfer Channels for a Stabilized Lithium-Metal Anode. <i>Advanced Materials</i> , 2023, 35, .	24.1	51
44	Air-stable high-PLQY cesium lead halide perovskites for laser-patterned displays. <i>Journal of Materials Chemistry C</i> , 2023, 11, 2282-2290.	5.6	8
45	Engineering the interfacial orientation of $\text{MoS}_2/\text{Co}_9\text{S}_8$ bidirectional catalysts with highly exposed active sites for reversible Li-CO_2 batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.6	27
46	Rational Design of Flexible Zn-Based Batteries for Wearable Electronic Devices. <i>ACS Nano</i> , 2023, 17, 1764-1802.	15.2	85
47	Flexible Zinc-Air Batteries with Ampere-Hour Capacities and Wide-Temperature Adaptabilities. <i>Advanced Materials</i> , 2023, 35, .	24.1	72
48	Dynamically activating Ni-based catalysts with self-anchored mononuclear Fe for efficient water oxidation. <i>Journal of Materials Chemistry A</i> , 2023, 11, 10228-10238.	10.5	6
49	Rechargeable Zinc-Air Batteries with an Ultralarge Discharge Capacity per Cycle and an Ultralong Cycle Life. <i>Advanced Materials</i> , 2023, 35, .	24.1	51
50	Direct regeneration of degraded lithium-ion battery cathodes with a multifunctional organic lithium salt. <i>Nature Communications</i> , 2023, 14, .	13.2	126
51	A Permselective Coating Protects Lithium Anode toward a Practical Lithium-Sulfur Battery. <i>ACS Nano</i> , 2023, 17, 4453-4462.	15.2	42
52	Ultrahigh-Voltage LiCoO_2 at 4.7V by Interface Stabilization and Band Structure Modification. <i>Advanced Materials</i> , 2023, 35, .	24.1	65
53	A Polarized Gel Electrolyte for Wide-Temperature Flexible Zinc-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.7	56
54	A Polarized Gel Electrolyte for Wide-Temperature Flexible Zinc-Air Batteries. <i>Angewandte Chemie</i> , 2023, 135, .	2.1	8

#	ARTICLE	IF	CITATIONS
55	Topotactic Transformation of Surface Structure Enabling Direct Regeneration of Spent Lithium-Ion Battery Cathodes. <i>Journal of the American Chemical Society</i> , 2023, 145, 7288-7300.	14.6	45
56	Sustainable upcycling of spent LiCoO ₂ to an ultra-stable battery cathode at high voltage. <i>Nature Sustainability</i> , 2023, 6, 797-805.	21.0	89
57	Dual-Functional V ₂ C MXene Assembly in Facilitating Sulfur Evolution Kinetics and Ion Sieving toward Practical Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2023, 35, .	24.1	64
58	Uncoordinated chemistry enables highly conductive and stable electrolyte/filler interfaces for solid-state lithium-sulfur batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.6	25
59	Toward Sustainable All Solid-State Metal Batteries: Perspectives on Battery Technology and Recycling Processes. <i>Advanced Materials</i> , 2023, 35, .	24.1	28
60	Clay-Originated Two-Dimensional Holey Silica Separator for Dendrite-Free Lithium Metal Anode. <i>Small</i> , 2023, 19, .	11.1	6
61	Battery Cross-Operation-Condition Lifetime Prediction via Interpretable Feature Engineering Assisted Adaptive Machine Learning. <i>ACS Energy Letters</i> , 2023, 8, 3269-3279.	18.3	17
62	Insights into the solvation chemistry in liquid electrolytes for lithium-based rechargeable batteries. <i>Chemical Society Reviews</i> , 2023, 52, 5255-5316.	40.3	70
63	A recyclable biomass electrolyte towards green zinc-ion batteries. <i>Nature Communications</i> , 2023, 14, .	13.2	75
64	Carbon-coated nitrogen, vanadium co-doped MXene interlayer for enhanced polysulfide shuttling inhibition in lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2023, 580, 233445.	8.0	12
65	A Stable and Energy-Dense Polysulfide/Permanganate Flow Battery. <i>ACS Nano</i> , 2023, 17, 16252-16263.	15.2	18
66	Machine-learning-assisted design of a binary descriptor to decipher electronic and structural effects on sulfur reduction kinetics. <i>Nature Catalysis</i> , 2023, 6, 1073-1086.	28.3	51
67	Regulating the Spin State Configuration in Bimetallic Phosphorus Trisulfides for Promoting Sulfur Redox Kinetics. <i>Journal of the American Chemical Society</i> , 2023, 145, 22516-22526.	14.6	38
68	Ammonium fluoride additive-modified interphase chemistry stabilizes zinc anodes in aqueous electrolytes. <i>Chemical Communications</i> , 2023, 59, 13891-13894.	4.2	6
69	A Semisolvated Sole-Solvent Electrolyte for High-Voltage Lithium Metal Batteries. <i>Journal of the American Chemical Society</i> , 2023, 145, 24260-24271.	14.6	29
70	Fundamentals, status and challenges of direct recycling technologies for lithium ion batteries. <i>Chemical Society Reviews</i> , 2023, 52, 8194-8244.	40.3	52
71	Unravelling the proton hysteresis mechanism in vacancy modified vanadium oxides for High-Performance aqueous zinc ion battery. <i>Chemical Engineering Journal</i> , 2023, 477, 146901.	13.0	5
72	Three-dimensional flower-like NiO on Cu foam as a lithiophilic current collector for high-performance lithium metal batteries. <i>Sustainable Energy and Fuels</i> , 2023, 7, 5492-5498.	4.8	2

#	ARTICLE	IF	CITATIONS
73	Collaborative and privacy-preserving retired battery sorting for profitable direct recycling via federated machine learning. <i>Nature Communications</i> , 2023, 14, .	13.2	14
74	An efficient Ni ₃ S ₂ “Ni electrode constructed by a one-step powder metallurgy approach for the hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2023, 8, 29-35.	4.8	2
75	Sulfon oxidation assisting self-powered hydrogen production system based on efficient catalysts from spent lithium-ion batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.6	4
76	Graphene-Supported Atomically Dispersed Metals as Bifunctional Catalysts for Next-Generation Batteries Based on Conversion Reactions. <i>Advanced Materials</i> , 2022, 34, e2105812.	24.1	123
77	Precise separation of spent lithium-ion cells in water without discharging for recycling. <i>Energy Storage Materials</i> , 2022, 45, 1092-1099.	18.4	61
78	High performance and long cycle life neutral zinc-iron flow batteries enabled by zinc-bromide complexation. <i>Energy Storage Materials</i> , 2022, 44, 433-440.	18.4	85
79	Constructing a Stable Interface Layer by Tailoring Solvation Chemistry in Carbonate Electrolytes for High-Performance Lithium-Metal Batteries. <i>Advanced Materials</i> , 2022, 34, e2108400.	24.1	188
80	Direct conversion of degraded LiCoO ₂ cathode materials into high-performance LiCoO ₂ : A closed-loop green recycling strategy for spent lithium-ion batteries. <i>Energy Storage Materials</i> , 2022, 45, 768-776.	18.4	133
81	<i>In-situ</i> growth of ultrathin sulfur microcrystal on MXene-based 3D matrix for flexible lithium-sulfur batteries. <i>EcoMat</i> , 2022, 4, .	12.0	34
82	Freestanding and Sandwich MXene-Based Cathode with Suppressed Lithium Polysulfides Shuttle for Flexible Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2022, 22, 1207-1216.	9.5	58
83	3D Printed Template-Assisted Assembly of Additive-Free Ti ₃ C ₂ T _x MXene Microlattices with Customized Structures toward High Areal Capacitance. <i>ACS Nano</i> , 2022, 16, 2699-2710.	15.2	53
84	Co ₃ O ₄ /Mn ₃ O ₄ hybrid catalysts with heterointerfaces as bifunctional catalysts for Zn-air batteries. <i>Journal of Energy Chemistry</i> , 2022, 68, 679-687.	13.4	52
85	Designing Electrophilic and Nucleophilic Dual Centers in the ReS ₂ Plane toward Efficient Bifunctional Catalysts for Li-CO ₂ Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 3106-3116.	14.6	124
86	A single-crystal nickel-rich material as a highly stable cathode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19680-19689.	10.5	26
87	Dendrite-Free Lithium Deposition and Stripping Regulated by Aligned Microchannels for Stable Lithium Metal Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	16.4	45
88	Toward an Understanding of the Reversible Li-CO ₂ Batteries over Metal-N ₄ -Functionalized Graphene Electrocatalysts. <i>ACS Nano</i> , 2022, 16, 1523-1532.	15.2	66
89	Regulating Polysulfide Redox Kinetics on a Self-Healing Electrode for High-Performance Flexible Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	16.4	92
90	A nonflammable electrolyte for ultrahigh-voltage (4.8 V-class) Li NCM811 cells with a wide temperature range of 100 Å°C. <i>Energy and Environmental Science</i> , 2022, 15, 2435-2444.	32.2	138

#	ARTICLE	IF	CITATIONS
91	Formulating energy density for designing practical lithium-sulfur batteries. <i>Nature Energy</i> , 2022, 7, 312-319.	30.0	452
92	Recycling spent $\text{LiNi}_{1-x-y}\text{Mn}_x\text{Co}_y\text{O}_2$ cathodes to bifunctional NiMnCo catalysts for zinc-air batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2202202119.	7.6	120
93	Direct and green repairing of degraded LiCoO ₂ for reuse in lithium-ion batteries. <i>National Science Review</i> , 2022, 9, .	9.5	115
94	Self-extinguishing Janus separator with high safety for flexible lithium-sulfur batteries. <i>Science China Materials</i> , 2022, 65, 2169-2178.	6.5	26
95	MoS ₂ and Graphene Toward Accelerated Polysulfide Catalytic Conversion for Advanced Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2022, 9, .	12.3	54
96	Progress, Key Issues, and Future Prospects for Li-ion Battery Recycling. <i>Global Challenges</i> , 2022, 6, .	3.9	71
97	Vacancy-Rich MoSSe with Sulfiphilicity/Lithiophilicity Dual Function for Kinetics-Enhanced and Dendrite-Free Li-S Batteries. <i>Nano Letters</i> , 2022, 22, 4999-5008.	9.5	62
98	Catalytic effect in Li-S batteries: From band theory to practical application. <i>Materials Today</i> , 2022, 57, 84-120.	18.1	87
99	Cold-Starting All-Solid-State Batteries from Room Temperature by Thermally Modulated Current Collector in Sub-Minute. <i>Advanced Materials</i> , 2022, 34, .	24.1	11
100	Solid Carbon Spheres with Interconnected Open Pore Channels Enabling High-Efficient Polysulfide Conversion for High-Rate Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32183-32195.	8.3	20
101	Isolating Contiguous Fe Atoms by Forming a Co-Fe Intermetallic Catalyst from Spent Lithium-Ion Batteries to Regulate Activity for Zinc-Air Batteries. <i>ACS Nano</i> , 2022, 16, 13223-13231.	15.2	59
102	Crosslinked Nanofiber-Reinforced Solid-State Electrolytes with Polysulfide Fixation Effect Towards High Safety Flexible Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	16.4	59
103	Efficient Extraction of Lithium from Anode for Direct Regeneration of Cathode Materials of Spent Li-Ion Batteries. <i>ACS Energy Letters</i> , 2022, 7, 2816-2824.	18.3	87
104	A quasi-intercalation reaction for fast sulfur redox kinetics in solid-state lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2022, 15, 4289-4300.	32.2	76
105	Suppressed Lattice Oxygen Release via Ni/Mn Doping from Spent $\text{LiNi}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}\text{O}_2$ toward High-Energy Layered-Oxide Cathodes. <i>Nano Letters</i> , 2022, 22, 8372-8380.	9.5	47
106	Fast Clustering of Retired Lithium-Ion Batteries for Secondary Life with a Two-Step Learning Method. <i>ACS Energy Letters</i> , 2022, 7, 3817-3825.	18.3	17
107	Adaptable Eutectic Salt for the Direct Recycling of Highly Degraded Layer Cathodes. <i>Journal of the American Chemical Society</i> , 2022, 144, 20306-20314.	14.6	103
108	TiO ₂ /MXene Hierarchical Bifunctional Catalyst Anchored on Graphene Aerogel toward Flexible and High-Energy Li-S Batteries. <i>ACS Nano</i> , 2022, 16, 19133-19144.	15.2	41

#	ARTICLE	IF	CITATIONS
109	Rational design of functional binder systems for high-energy lithium-based rechargeable batteries. <i>Energy Storage Materials</i> , 2021, 35, 353-377.	18.4	71
110	Efficient Reversible Conversion between MoS ₂ and Mo/Na ₂ S Enabled by Graphene-Supported Single Atom Catalysts. <i>Advanced Materials</i> , 2021, 33, e2007090.	24.1	119
111	Nitrate Additives Coordinated with Crown Ether Stabilize Lithium Metal Anodes in Carbonate Electrolyte. <i>Advanced Functional Materials</i> , 2021, 31, 2102128.	16.4	70
112	Aligned Carbon-Based Electrodes for Fast-Charging Batteries: A Review. <i>Small</i> , 2021, 17, e2007676.	11.1	34
113	Lamellar MXene Composite Aerogels with Sandwiched Carbon Nanotubes Enable Stable Lithium-Sulfur Batteries with a High Sulfur Loading. <i>Advanced Functional Materials</i> , 2021, 31, 2100793.	16.4	119
114	Engineering the Active Sites of Graphene Catalyst: From CO ₂ Activation to Activate Li-CO ₂ Batteries. <i>ACS Nano</i> , 2021, 15, 9841-9850.	15.2	91
115	Regulating the Stable Lithium and Polysulfide Deposition in Batteries by a Gold Nanoparticle Modified Vertical Graphene Host. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100044.	6.1	6
116	Unlocking the dissolution mechanism of phosphorus anode for lithium-ion batteries. <i>Energy Storage Materials</i> , 2021, 37, 417-423.	18.4	49
117	High-Performance Lithium Metal Batteries with a Wide Operating Temperature Range in Carbonate Electrolyte by Manipulating Interfacial Chemistry. <i>ACS Energy Letters</i> , 2021, 6, 3170-3179.	18.3	85
118	Graphene-Based Materials for Flexible Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2021, 15, 13901-13923.	15.2	108
119	Stabilized Solid Electrolyte Interphase Induced by Ultrathin Boron Nitride Membranes for Safe Lithium Metal Batteries. <i>Nano Letters</i> , 2021, 21, 8447-8454.	9.5	61
120	Engineering <i>d</i> _{sp} Orbital Hybridization in Single-Atom Metal-Embedded Three-Dimensional Electrodes for Li-S Batteries. <i>Advanced Materials</i> , 2021, 33, e2105947.	24.1	249
121	Integrated cooling (i-Cool) textile of heat conduction and sweat transportation for personal perspiration management. <i>Nature Communications</i> , 2021, 12, 6122.	13.2	113
122	Dendrite-Free Non-Newtonian Semisolid Lithium Metal Anode. <i>ACS Energy Letters</i> , 2021, 6, 3761-3768.	18.3	22
123	A Universal Seeding Strategy to Synthesize Single Atom Catalysts on 2D Materials for Electrocatalytic Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1906157.	16.4	96
124	High energy density lithium metal batteries enabled by a porous graphene/MgF ₂ framework. <i>Energy Storage Materials</i> , 2020, 26, 73-82.	18.4	87
125	Theoretical Calculation Guided Design of Single-Atom Catalysts toward Fast Kinetic and Long-Life Li-S Batteries. <i>Nano Letters</i> , 2020, 20, 1252-1261.	9.5	439
126	Air-Stable and Dendrite-Free Lithium Metal Anodes Enabled by a Hybrid Interphase of C ₆₀ and Mg. <i>Advanced Energy Materials</i> , 2020, 10, 1903292.	22.1	60

#	ARTICLE	IF	CITATIONS
127	Thermal pyrolysis of Si@ZIF-67 into Si@N-doped CNTs towards highly stable lithium storage. <i>Science Bulletin</i> , 2020, 65, 452-459.	11.1	54
128	Intercalation-Induced Conversion Reactions Give High-Capacity Potassium Storage. <i>ACS Nano</i> , 2020, 14, 14026-14035.	15.2	50
129	Ultralight and fire-extinguishing current collectors for high-energy and high-safety lithium-ion batteries. <i>Nature Energy</i> , 2020, 5, 786-793.	30.0	199
130	Status and prospects of porous graphene networks for lithium-sulfur batteries. <i>Materials Horizons</i> , 2020, 7, 2487-2518.	12.7	68
131	A high-volumetric-capacity bismuth nanosheet/graphene electrode for potassium ion batteries. <i>Science China Materials</i> , 2020, 63, 1920-1928.	6.5	39
132	Electrode Design with Integration of High Tortuosity and Sulfur-Philicity for High-Performance Lithium-Sulfur Battery. <i>Matter</i> , 2020, 2, 1605-1620.	10.2	85
133	Bidirectional Catalysts for Liquid-Solid Redox Conversion in Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2020, 32, e2000315.	24.1	298
134	Optimized Catalytic WS ₂ -WO ₃ Heterostructure Design for Accelerated Polysulfide Conversion in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000091.	22.1	239
135	A novel battery scheme: Coupling nanostructured phosphorus anodes with lithium sulfide cathodes. <i>Nano Research</i> , 2020, 13, 1383-1388.	10.6	14
136	Electrochemical generation of liquid and solid sulfur on two-dimensional layered materials with distinct areal capacities. <i>Nature Nanotechnology</i> , 2020, 15, 231-237.	30.5	72
137	Electrotunable liquid sulfur microdroplets. <i>Nature Communications</i> , 2020, 11, 606.	13.2	23
138	Solubility-Dependent Protective Effects of Binary Alloys for Lithium Anode. <i>ACS Applied Energy Materials</i> , 2020, 3, 2278-2284.	5.3	19
139	Controlled One-Pot Synthesis of Nickel Single Atoms Embedded in Carbon Nanotube and Graphene Supports with High Loading. <i>ChemNanoMat</i> , 2020, 6, 1063-1074.	2.9	15
140	Graphene-Templated Growth of WS ₂ Nanoclusters for Catalytic Conversion of Polysulfides in Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 4923-4930.	5.3	32
141	Highly Dispersed Cobalt Clusters in Nitrogen-Doped Porous Carbon Enable Multiple Effects for High-Performance Li-S Battery. <i>Advanced Energy Materials</i> , 2020, 10, 1903550.	22.1	214
142	Supercooled liquid sulfur maintained in three-dimensional current collector for high-performance Li-S batteries. <i>Science Advances</i> , 2020, 6, eaay5098.	10.9	103
143	Vertical Graphenes Grown on a Flexible Graphite Paper as an All-Carbon Current Collector towards Stable Li Deposition. <i>Research</i> , 2020, 2020, 7163948.	5.9	13
144	Self-Selective Catalyst Synthesis for CO ₂ Reduction. <i>Joule</i> , 2019, 3, 1927-1936.	24.7	68

#	ARTICLE	IF	CITATIONS
145	Investigation of lithium content changes to understand the capacity fading mechanism in LiFePO ₄ /graphite battery. <i>Journal of Electroanalytical Chemistry</i> , 2019, 853, 113544.	3.9	14
146	A Lightweight 3D Cu Nanowire Network with Phosphidation Gradient as Current Collector for High-Density Nucleation and Stable Deposition of Lithium. <i>Advanced Materials</i> , 2019, 31, e1904991.	24.1	123
147	A Two-Dimensional MoS ₂ Catalysis Transistor by Solid-State Ion Gating Manipulation and Adjustment (SIGMA). <i>Nano Letters</i> , 2019, 19, 7293-7300.	9.5	49
148	Elaboration of Aggregated Polysulfide Phases: From Molecules to Large Clusters and Solid Phases. <i>Nano Letters</i> , 2019, 19, 7487-7493.	9.5	14
149	Nanowires for Electrochemical Energy Storage. <i>Chemical Reviews</i> , 2019, 119, 11042-11109.	51.5	337
150	Realizing stable lithium deposition by <i>in situ</i> grown Cu ₂ S nanowires inside commercial Cu foam for lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 727-732.	10.5	77
151	An air-stable and waterproof lithium metal anode enabled by wax composite packaging. <i>Science Bulletin</i> , 2019, 64, 910-917.	11.1	61
152	Capture and Catalytic Conversion of Polysulfides by In Situ Built TiO ₂ @MXene Heterostructures for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1900219.	22.1	520
153	Size Effects on the Mechanical Properties of Nanoporous Graphene Networks. <i>Advanced Functional Materials</i> , 2019, 29, 1900311.	16.4	23
154	Composite lithium electrode with mesoscale skeleton via simple mechanical deformation. <i>Science Advances</i> , 2019, 5, eaau5655.	10.9	82
155	Seeding lithium seeds towards uniform lithium deposition for stable lithium metal anodes. <i>Nano Energy</i> , 2019, 61, 47-53.	16.5	76
156	Cysteine-Modified Acacia Gum as a Multifunctional Binder for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47956-47962.	8.3	17
157	An Interconnected Channel-Like Framework as Host for Lithium Metal Composite Anodes. <i>Advanced Energy Materials</i> , 2019, 9, 1802720.	22.1	85
158	Improving a Mg/S Battery with YCl ₃ Additive and Magnesium Polysulfide. <i>Advanced Science</i> , 2019, 6, 1800981.	12.3	54
159	Mitigation of Shuttle Effect in Li-S Battery Using a Self-Assembled Ultrathin Molybdenum Disulfide Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3080-3086.	8.3	61
160	Direct electrochemical generation of supercooled sulfur microdroplets well below their melting temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 765-770.	7.6	42
161	Stretchable fiber-shaped lithium metal anode. <i>Energy Storage Materials</i> , 2019, 22, 179-184.	18.4	67
162	Development and validation of polar RP-HPLC method for screening for ectoine high-yield strains in marine bacteria with green chemistry. <i>Natural Product Research</i> , 2019, 33, 1122-1126.	1.8	5

#	ARTICLE	IF	CITATIONS
163	A Nacre-Like Carbon Nanotube Sheet for High Performance Li ⁺ Polysulfide Batteries with High Sulfur Loading. <i>Advanced Science</i> , 2018, 5, 1800384.	12.3	41
164	Vertically Aligned Lithiophilic CuO Nanosheets on a Cu Collector to Stabilize Lithium Deposition for Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703404.	22.1	284
165	A non-nucleophilic mono-Mg ²⁺ electrolyte for rechargeable Mg/S battery. <i>Energy Storage Materials</i> , 2018, 14, 253-257.	18.4	42
166	Quantitative investigation of polysulfide adsorption capability of candidate materials for Li-S batteries. <i>Energy Storage Materials</i> , 2018, 13, 241-246.	18.4	147
167	An Aqueous Inorganic Polymer Binder for High Performance Lithium-Sulfur Batteries with Flame-Retardant Properties. <i>ACS Central Science</i> , 2018, 4, 260-267.	12.2	152
168	Nanoporous polyethylene microfibrils for large-scale radiative cooling fabric. <i>Nature Sustainability</i> , 2018, 1, 105-112.	21.0	409
169	In Situ Investigation on the Nanoscale Capture and Evolution of Aerosols on Nanofibers. <i>Nano Letters</i> , 2018, 18, 1130-1138.	9.5	67
170	A general prelithiation approach for group IV elements and corresponding oxides. <i>Energy Storage Materials</i> , 2018, 10, 275-281.	18.4	103
171	Catalytic Effects in Lithium-Sulfur Batteries: Promoted Sulfur Transformation and Reduced Shuttle Effect. <i>Advanced Science</i> , 2018, 5, 1700270.	12.3	700
172	Facilitation of sulfur evolution reaction by pyridinic nitrogen doped carbon nanoflakes for highly-stable lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018, 10, 1-9.	18.4	218
173	Morphology and property investigation of primary particulate matter particles from different sources. <i>Nano Research</i> , 2018, 11, 3182-3192.	10.6	58
174	Reversible and selective ion intercalation through the top surface of few-layer MoS ₂ . <i>Nature Communications</i> , 2018, 9, 5289.	13.2	131
175	Core-Shell Nanofibrous Materials with High Particulate Matter Removal Efficiencies and Thermally Triggered Flame Retardant Properties. <i>ACS Central Science</i> , 2018, 4, 894-898.	12.2	77
176	Easy fabrication of flexible and multilayer nanocarbon-based cathodes with a high sulfur loading by electrostatic spraying for lithium-sulfur batteries. <i>Carbon</i> , 2018, 138, 18-25.	10.7	26
177	Catalytic oxidation of Li ₂ S on the surface of metal sulfides for Li-S batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 840-845.	7.6	1,088
178	Self-healing SEI enables full-cell cycling of a silicon-majority anode with a coulombic efficiency exceeding 99.9%. <i>Energy and Environmental Science</i> , 2017, 10, 580-592.	32.2	442
179	Propelling polysulfides transformation for high-rate and long-life lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 33, 306-312.	16.5	365
180	Sulfiphilic Nickel Phosphosulfide Enabled Li ₂ S Impregnation in 3D Graphene Cages for Li-S Batteries. <i>Advanced Materials</i> , 2017, 29, 1603366.	24.1	144

#	ARTICLE	IF	CITATIONS
181	Revealing Localized Electrochemical Transition of Sulfur in Sub-nanometer Confinement. Springer Theses, 2017, , 23-37.	0.0	1
182	Flexible Nanostructured Sulfur@Carbon Nanotube Cathode with High-Rate Performance for Li-S Batteries. Springer Theses, 2017, , 39-55.	0.0	0
183	Fibrous Hybrid of Graphene and Sulfur Nanocrystals for High-Performance Lithium-Sulfur Batteries. Springer Theses, 2017, , 57-74.	0.0	1
184	Graphene@Pure Sulfur Sandwich Structure for Ultrafast, Long-Life Lithium-Sulfur Batteries. Springer Theses, 2017, , 75-94.	0.0	3
185	A Graphene Foam Electrode with High Sulfur Loading for Flexible and High-Energy Li-S Batteries. Springer Theses, 2017, , 95-112.	0.0	2
186	Thermal Management in Nanofiber-Based Face Mask. Nano Letters, 2017, 17, 3506-3510.	9.5	243
187	A Dual-Function Na ₂ SO ₄ Template Directed Formation of Cathode Materials with a High Content of Sulfur Nanodots for Lithium-Sulfur Batteries. Small, 2017, 13, 1700358.	11.1	28
188	Solid-State Lithium-Sulfur Batteries Operated at 37 °C with Composites of Nanostructured Li ₇ La ₃ Zr ₂ O ₁₂ /Carbon Foam and Polymer. Nano Letters, 2017, 17, 2967-2972.	9.5	407
189	Surface Fluorination of Reactive Battery Anode Materials for Enhanced Stability. Journal of the American Chemical Society, 2017, 139, 11550-11558.	14.6	417
190	A Respiration-Derived Posture Method Based on Dual-Channel Respiration Impedance Signals. IEEE Access, 2017, 5, 17514-17524.	4.4	10
191	Enhanced Cycling Stability of Sulfur Electrodes through Effective Binding of Pyridine-Functionalized Polymer. ACS Energy Letters, 2017, 2, 2454-2462.	18.3	24
192	Reactivation of dead sulfide species in lithium polysulfide flow battery for grid scale energy storage. Nature Communications, 2017, 8, 462.	13.2	51
193	Stretchable Lithium-Ion Batteries Enabled by Device-Scaled Wavy Structure and Elastic-Sticky Separator. Advanced Energy Materials, 2017, 7, 1701076.	22.1	169
194	Design of Complex Nanomaterials for Energy Storage: Past Success and Future Opportunity. Accounts of Chemical Research, 2017, 50, 2895-2905.	16.6	272
195	Twinborn TiO ₂ @TiN heterostructures enabling smooth trapping&diffusion&conversion of polysulfides towards ultralong life lithium-sulfur batteries. Energy and Environmental Science, 2017, 10, 1694-1703.	32.2	934
196	Air-stable and freestanding lithium alloy/graphene foil as an alternative to lithium metal anodes. Nature Nanotechnology, 2017, 12, 993-999.	30.5	399
197	An in-plane heterostructure of graphene and titanium carbide for efficient polysulfide confinement. Nano Energy, 2017, 39, 291-296.	16.5	144
198	Efficient Activation of Li ₂ S by Transition Metal Phosphides Nanoparticles for Highly Stable Lithium-Sulfur Batteries. ACS Energy Letters, 2017, 2, 1711-1719.	18.3	268

#	ARTICLE	IF	CITATIONS
199	Twin-functional graphene oxide: compacting with Fe ₂ O ₃ into a high volumetric capacity anode for lithium ion battery. <i>Energy Storage Materials</i> , 2017, 6, 98-103.	18.4	75
200	A Carbon-Sulfur Hybrid with Pomegranate-Like Structure for Lithium-Sulfur Batteries. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1343-1347.	3.5	17
201	Stabilizing sulfur cathodes using nitrogen-doped graphene as a chemical immobilizer for Li S batteries. <i>Carbon</i> , 2016, 108, 120-126.	10.7	137
202	Scalable Clean Exfoliation of High-Quality Few-Layer Black Phosphorus for a Flexible Lithium Ion Battery. <i>Advanced Materials</i> , 2016, 28, 510-517.	24.1	346
203	Understanding the interactions between lithium polysulfides and N-doped graphene using density functional theory calculations. <i>Nano Energy</i> , 2016, 25, 203-210.	16.5	361
204	Dual-functional hard template directed one-step formation of a hierarchical porous carbon-carbon nanotube hybrid for lithium-sulfur batteries. <i>Chemical Communications</i> , 2016, 52, 12143-12146.	4.2	63
205	Electrostatic-spraying an ultrathin, multifunctional and compact coating onto a cathode for a long-life and high-rate lithium-sulfur battery. <i>Nano Energy</i> , 2016, 30, 138-145.	16.5	72
206	Sulfur confined in nitrogen-doped microporous carbon used in a carbonate-based electrolyte for long-life, safe lithium-sulfur batteries. <i>Carbon</i> , 2016, 109, 1-6.	10.7	120
207	In Situ Electrochemically Derived Nanoporous Oxides from Transition Metal Dichalcogenides for Active Oxygen Evolution Catalysts. <i>Nano Letters</i> , 2016, 16, 7588-7596.	9.5	198
208	Improved Lithium Ionic Conductivity in Composite Polymer Electrolytes with Oxide-Ion Conducting Nanowires. <i>ACS Nano</i> , 2016, 10, 11407-11413.	15.2	337
209	Entrapment of Polysulfides by a Black-Phosphorus-Modified Separator for Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2016, 28, 9797-9803.	24.1	468
210	Efficient solar-driven water splitting by nanocone BIVO ₄ -perovskite tandem cells. <i>Science Advances</i> , 2016, 2, e1501764.	10.9	366
211	Balancing surface adsorption and diffusion of lithium-polysulfides on nonconductive oxides for lithium-sulfur battery design. <i>Nature Communications</i> , 2016, 7, 11203.	13.2	1,187
212	Durability of the Li _{1+x} Ti ₂ Al _x (PO ₄) ₃ Solid Electrolyte in Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2016, 1, 1080-1085.	18.3	99
213	3D Porous Sponge-Inspired Electrode for Stretchable Lithium-Ion Batteries. <i>Advanced Materials</i> , 2016, 28, 3578-3583.	24.1	253
214	High-Performance Lithium-Sulfur Batteries with a Self-Supported, 3D Li ₂ S-Doped Graphene Aerogel Cathodes. <i>Advanced Energy Materials</i> , 2016, 6, 1501355.	22.1	187
215	Metallurgically lithiated SiO _x anode with high capacity and ambient air compatibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7408-7413.	7.6	153
216	Highly Nitridated Graphene-Li ₂ S Cathodes with Stable Modulated Cycles. <i>Advanced Energy Materials</i> , 2015, 5, 1501369.	22.1	98

#	ARTICLE	IF	CITATIONS
217	Graphene-based integrated electrodes for flexible lithium ion batteries. 2D Materials, 2015, 2, 024004.	4.6	44
218	Dualâ€‘Confined Flexible Sulfur Cathodes Encapsulated in Nitrogenâ€‘Doped Doubleâ€‘Shelled Hollow Carbon Spheres and Wrapped with Graphene for Liâ€‘S Batteries. Advanced Energy Materials, 2015, 5, 1402263.	22.1	465
219	Localized polyselenides in a graphene-coated polymer separator for high rate and ultralong life lithiumâ€‘selenium batteries. Chemical Communications, 2015, 51, 3667-3670.	4.2	65
220	A high-density grapheneâ€‘sulfur assembly: a promising cathode for compact Liâ€‘S batteries. Nanoscale, 2015, 7, 5592-5597.	5.8	92
221	Free-standing TiO ₂ nanowire-embedded graphene hybrid membrane for advanced Li/dissolved polysulfide batteries. Nano Energy, 2015, 12, 240-249.	16.5	256
222	Long-life Li/polysulphide batteries with high sulphur loading enabled by lightweight three-dimensional nitrogen/sulphur-codoped graphene sponge. Nature Communications, 2015, 6, 7760.	13.2	942
223	A Principal Component Analysis Based Data Fusion Method for Estimation of Respiratory Volume. IEEE Sensors Journal, 2015, 15, 4355-4364.	4.8	12
224	N and S co-doped porous carbon spheres prepared using <sc> </sc>-cysteine as a dual functional agent for high-performance lithiumâ€‘sulfur batteries. Chemical Communications, 2015, 51, 17720-17723.	4.2	123
225	A graphene foam electrode with high sulfur loading for flexible and high energy Li-S batteries. Nano Energy, 2015, 11, 356-365.	16.5	537
226	A Flexible Sulfurâ€‘Grapheneâ€‘Polypropylene Separator Integrated Electrode for Advanced Liâ€‘S Batteries. Advanced Materials, 2015, 27, 641-647.	24.1	553
227	Progress in flexible lithium batteries and future prospects. Energy and Environmental Science, 2014, 7, 1307-1338.	32.2	1,344
228	Hierarchical Grapheneâ€‘Carbon Fiber Composite Paper as a Flexible Lateral Heat Spreader. Advanced Functional Materials, 2014, 24, 4222-4228.	16.4	186
229	A Grapheneâ€‘Pureâ€‘Sulfur Sandwich Structure for Ultrafast, Longâ€‘Life Lithiumâ€‘Sulfur Batteries. Advanced Materials, 2014, 26, 625-631.	24.1	917
230	Monolithic Fe ₂ O ₃ /graphene hybrid for highly efficient lithium storage and arsenic removal. Carbon, 2014, 67, 500-507.	10.7	139
231	Tailoring Microstructure of Grapheneâ€‘Based Membrane by Controlled Removal of Trapped Water Inspired by the Phase Diagram. Advanced Functional Materials, 2014, 24, 3456-3463.	16.4	68
232	Visualizing the roles of graphene for excellent lithium storage. Journal of Materials Chemistry A, 2014, 2, 17808-17814.	10.5	50
233	Robustness evaluation of heart rate variability measures for age gender related autonomic changes in healthy volunteers. Australasian Physical and Engineering Sciences in Medicine, 2014, 37, 567-574.	1.4	15
234	Co ₃ O ₄ mesoporous nanostructures@graphene membrane as an integrated anode for long-life lithium-ion batteries. Journal of Power Sources, 2014, 255, 52-58.	8.0	98

#	ARTICLE	IF	CITATIONS
235	A New Approach to Detect Congestive Heart Failure Using Short-Term Heart Rate Variability Measures. PLoS ONE, 2014, 9, e93399.	2.4	65
236	TiO ₂ /graphene sandwich paper as an anisotropic electrode for high rate lithium ion batteries. Nanoscale, 2013, 5, 7780.	5.8	63
237	The examination of graphene oxide for rechargeable lithium storage as a novel cathode material. Journal of Materials Chemistry A, 2013, 1, 3607.	10.5	73
238	Effects of oxygen vacancies on the electrochemical performance of tin oxide. Journal of Materials Chemistry A, 2013, 1, 1536-1539.	10.5	134
239	Nanosize SnO ₂ confined in the porous shells of carbon cages for kinetically efficient and long-term lithium storage. Nanoscale, 2013, 5, 1576.	5.8	71
240	Octahedral Co ₃ O ₄ particles threaded by carbon nanotube arrays as integrated structure anodes for lithium ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 5582.	2.9	50
241	A Self-Standing and Flexible Electrode of Li ₄ Ti ₅ O ₁₂ Nanosheets with a N-Doped Carbon Coating for High Rate Lithium Ion Batteries. Advanced Functional Materials, 2013, 23, 5429-5435.	16.4	129
242	Carbon-sulfur composites for Li-S batteries: status and prospects. Journal of Materials Chemistry A, 2013, 1, 9382.	10.5	772
243	Fibrous Hybrid of Graphene and Sulfur Nanocrystals for High-Performance Lithium-Sulfur Batteries. ACS Nano, 2013, 7, 5367-5375.	15.2	730
244	A microporous-mesoporous carbon with graphitic structure for a high-rate stable sulfur cathode in carbonate solvent-based Li-S batteries. Physical Chemistry Chemical Physics, 2012, 14, 8703.	2.9	278
245	A nanosized Fe ₂ O ₃ decorated single-walled carbon nanotube membrane as a high-performance flexible anode for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 17942.	6.7	155
246	Graphene/metal oxide composite electrode materials for energy storage. Nano Energy, 2012, 1, 107-131.	16.5	1,696
247	Oxygen Bridges between NiO Nanosheets and Graphene for Improvement of Lithium Storage. ACS Nano, 2012, 6, 3214-3223.	15.2	998
248	A flexible nanostructured sulphur-carbon nanotube cathode with high rate performance for Li-S batteries. Energy and Environmental Science, 2012, 5, 8901.	32.2	481
249	Hollow carbon cage with nanocapsules of graphitic shell/nickel core as an anode material for high rate lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 11252.	6.7	71
250	Anchoring Hydrous RuO ₂ on Graphene Sheets for High-Performance Electrochemical Capacitors. Advanced Functional Materials, 2010, 20, 3595-3602.	16.4	1,135
251	Graphene Anchored with Co ₃ O ₄ Nanoparticles as Anode of Lithium Ion Batteries with Enhanced Reversible Capacity and Cyclic Performance. ACS Nano, 2010, 4, 3187-3194.	15.2	2,381
252	Graphene-Wrapped Fe ₃ O ₄ Anode Material with Improved Reversible Capacity and Cyclic Stability for Lithium Ion Batteries. Chemistry of Materials, 2010, 22, 5306-5313.	7.0	1,784

#	ARTICLE	IF	CITATIONS
253	Trends of sustainable recycling technology for lithium-ion batteries: Metal recovery from conventional metallurgical processes to innovative direct recycling. <i>MetalMat</i> , 0, , .	0.0	2
254	A Large-Scale Fabrication of Flexible, Ultrathin, and Robust Solid Electrolyte for Solid-State Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 0, , .	24.1	1
255	Toward Circular Energy: Exploring Direct Regeneration for Lithium-ion Battery Sustainability. <i>Advanced Materials</i> , 0, , .	24.1	1
256	Upcycling Spent Graphite into Fast-Charging Anode Materials through Interface Regulation. <i>ACS Energy Letters</i> , 0, , 3505-3515.	18.3	0
257	Closed-Loop Direct Upcycling of Spent Ni-Rich Layered Cathodes into High-Voltage Cathode Materials. <i>Advanced Materials</i> , 0, , .	24.1	0
258	An Electrolyte Engineered Homonuclear Copper Complex as Homogeneous Catalyst for Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 0, , .	24.1	1
259	Steering the Orbital Hybridization to Boost the Redox Kinetics for Efficient Li-CO ₂ Batteries. <i>Journal of the American Chemical Society</i> , 0, , .	14.6	0