Li Li

List of Publications by Year
in descending order

163 papers	17,050 citations	10979 71 h-index	15249 126 g-index
163 all docs	163 docs citations	163 times ranked	12031 citing authors

#	Article	IF	Citations
1	Enhanced catalytic conversion of polysulfide using 1D CoTe and 2D MXene for heat-resistant and lean-electrolyte Liâ€“S batteries. Chemical Engineering Journal, 2022, 430, 132734.	6.6	40
2	Layered K0.54Mn0.78Mg0.22O2 as a high-performance cathode material for potassium-ion batteries. Nano Research, 2022, 15, 3143-3149.	5.8	9
3	Engineering Catalytic CoSeâ€“ZnSe Heterojunctions Anchored on Graphene Aerogels for Bidirectional Sulfur Conversion Reactions. Advanced Science, 2022, 9, e2103456.	5.6	79
4	Advanced Characterization Techniques Paving the Way for Commercialization of Lowâ€Cost Prussian Blue Analog Cathodes. Advanced Functional Materials, 2022, 32, 2108616.	7.8	35
5	Closed-loop selective recycling process of spent LiNi Co Mn O2 batteries by thermal-driven conversion. Journal of Hazardous Materials, 2022, 424, 127757.	6.5	17
6	Recycling of Rechargeable Batteries: Insights from a Bibliometricsâ€Based Analysis of Emerging Publishing and Research Trends. Advanced Energy and Sustainability Research, 2022, 3, 2100153.	2.8	1
7	Sustainable Recycling of Cathode Scrap towards Highâ€Performance Anode Materials for Liâ€Ion Batteries. Advanced Energy Materials, 2022, 12, 2103288.	10.2	18
8	Defects and sulfur-doping design of porous carbon spheres for high-capacity potassium-ion storage. Journal of Materials Chemistry A, 2022, 10, 682-689.	5.2	34
9	Synergetic Anion Vacancies and Dense Heterointerfaces into Bimetal Chalcogenide Nanosheet Arrays for Boosting Electrocatalysis Sulfur Conversion. Advanced Materials, 2022, 34, e2109552.	11.1	81
10	Life Cycle Assessment of Lithium-ion Batteries: A Critical Review. Resources, Conservation and Recycling, 2022, 180, 106164.	5.3	86
11	Pâ€Doped Ni/NiO Heterostructured Yolkâ€Shell Nanospheres Encapsulated in Graphite for Enhanced Lithium Storage. Small, 2022, 18, e2105897.	5.2	20
12	Multidimensional <scp>Co₃O₄</scp>/<scp>NiO</scp> heterojunctions with richâ€boundaries incorporated into reduced graphene oxide network for expanding the range of lithiophilic host. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	8.5	19
13	Environmental and economic assessment of structural repair technologies for spent lithium-ion battery cathode materials. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 942-952.	2.4	14
14	Ultrastable Bioderived Organic Anode Induced by Synergistic Coupling of Binder/Carbon-Network for Advanced Potassium-Ion Storage. Nano Letters, 2022, 22, 4115-4123.	4.5	17
15	Sustainable Upcycling of Spent Lithiumâ€Ion Batteries Cathode Materials: Stabilization by In Situ Li/Mn Disorder. Advanced Energy Materials, 2022, 12, .	10.2	35
16	Enhancing the Long Cycle Performance of Liâ€“O₂ Batteries at High Temperatures Using Metalâ€“Organic Framework-Based Electrolytes. ACS Applied Energy Materials, 2022, 5, 7185-7191.	2.5	10
17	Na_{1.51}Fe[Fe(CN)₆]_{0.87}Â·1.83H₂O Hollow Nanospheres via Nonâ€Aqueous Ballâ€Milling Route to Achieve High Initial Coulombic Efficiency and High Rate Capability in Sodiumâ€Ion Batteries. Small Methods, 2022, 6, .	4.6	15
18	Lithium Induced Nanoâ€Sized Copper with Exposed Lithiophilic Surfaces to Achieve Dense Lithium Deposition for Lithium Metal Anode. Advanced Functional Materials, 2021, 31, 2006950.	7.8	84

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19	A lithium-ion battery recycling technology based on a controllable product morphology and excellent performance. Journal of Materials Chemistry A, 2021, 9, 18623-18631.	5.2	11
20	Sustainable Regeneration of High-Performance Li_{1â€“<i>x</i>}Na<i>_x</i>CoO₂ from Cathode Materials in Spent Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 2607-2615.	2.5	33
21	Fe₂VO₄ Nanoparticles Anchored on Ordered Mesoporous Carbon with Pseudocapacitive Behaviors for Efficient Sodium Storage. Advanced Functional Materials, 2021, 31, 2009756.	7.8	46
22	Hierarchical Tripleâ€Shelled MnCo₂O₄ Hollow Microspheres as Highâ€Performance Anode Materials for Potassiumâ€Ion Batteries. Small, 2021, 17, e2007597.	5.2	26
23	Highly selective metal recovery from spent lithium-ion batteries through stoichiometric hydrogen ion replacement. Frontiers of Chemical Science and Engineering, 2021, 15, 1243-1256.	2.3	13
24	Bimetallic Antimonyâ€“Vanadium Oxide Nanoparticles Embedded in Graphene for Stable Lithium and Sodium Storage. ACS Applied Materials & Interfaces, 2021, 13, 21127-21137.	4.0	14
25	Lithium-metal host anodes with top-to-bottom lithiophilic gradients for prolonged cycling of rechargeable lithium batteries. Journal of Power Sources, 2021, 495, 229773.	4.0	19
26	Advanced Liâ€“S Batteries Enabled by a Biomimetic Polysulfide-Engulfing Net. ACS Applied Materials & Interfaces, 2021, 13, 23811-23821.	4.0	2
27	Enhanced Electrochemical Kinetics with Highly Dispersed Conductive and Electrocatalytic Mediators for Lithiumâ€“Sulfur Batteries. Advanced Materials, 2021, 33, e2100810.	11.1	121
28	Improved Electrochemical Performance of LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathode Materials Induced by a Facile Polymer Coating for Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 6205-6213.	2.5	27
29	Recovery and Reuse of Anode Graphite from Spent Lithium-Ion Batteries via Citric Acid Leaching. ACS Applied Energy Materials, 2021, 4, 6261-6268.	2.5	68
30	Selfâ€Assembly of 0Dâ€“2D Heterostructure Electrocatalyst from MOF and MXene for Boosted Lithium Polysulfide Conversion Reaction. Advanced Materials, 2021, 33, e2101204.	11.1	183
31	Resolving the Structural Defects of Spent Li_{1âˆ'}<i>_x</i>CoO₂ Particles to Directly Reconstruct High Voltage Performance Cathode for Lithiumâ€Ion Batteries. Small Methods, 2021, 5, e2100672.	4.6	24
32	Cobalt Selenide Hollow Polyhedron Encapsulated in Graphene for Highâ€Performance Lithium/Sodium Storage. Small, 2021, 17, e2102893.	5.2	72
33	Materials and structure engineering by magnetron sputtering for advanced lithium batteries. Energy Storage Materials, 2021, 39, 203-224.	9.5	59
34	Continuous Conductive Networks Built by Prussian Blue Cubes and Mesoporous Carbon Lead to Enhanced Sodium-Ion Storage Performances. ACS Applied Materials & Interfaces, 2021, 13, 38202-38212.	4.0	25
35	Vertical Channels Design for Polymer Electrolyte to Enhance Mechanical Strength and Ion Conductivity. ACS Applied Materials & Interfaces, 2021, 13, 42957-42965.	4.0	14
36	Recovery valuable metals from spent lithium-ion batteries via a low-temperature roasting approach: Thermodynamics and conversion mechanism. Journal of Hazardous Materials Advances, 2021, 1, 100003.	1.2	11

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37	One-step recovery of valuable metals from spent Lithium-ion batteries and synthesis of persulfate through paired electrolysis. Chemical Engineering Journal, 2021, 421, 129908.	6.6	18
38	Lightweight Shield to Stabilize Li Metal Anodes at High Current Rates. ACS Applied Energy Materials, 2021, 4, 11878-11885.	2.5	5
39	Rational Design of MOF-Based Materials for Next-Generation Rechargeable Batteries. Nano-Micro Letters, 2021, 13, 203.	14.4	143
40	Long-life lithium-O2 battery achieved by integrating quasi-solid electrolyte and highly active Pt3Co nanowires catalyst. Energy Storage Materials, 2020, 24, 707-713.	9.5	28
41	<i>In situ</i> formation of a LiF and Liâ€“Al alloy anode protected layer on a Li metal anode with enhanced cycle life. Journal of Materials Chemistry A, 2020, 8, 1247-1253.	5.2	61
42	<i>In situ</i> formation of a Liâ€“Sn alloy protected layer for inducing lateral growth of dendrites. Journal of Materials Chemistry A, 2020, 8, 23574-23579.	5.2	28
43	Carbon Dot-Regulated 2D MXene Films with High Volumetric Capacitance. Industrial & Engineering Chemistry Research, 2020, 59, 13969-13978.	1.8	29
44	Glucose oxidase-based biocatalytic acid-leaching process for recovering valuable metals from spent lithium-ion batteries. Waste Management, 2020, 114, 166-173.	3.7	30
45	Leaching Mechanisms of Recycling Valuable Metals from Spent Lithium-Ion Batteries by a Malonic Acid-Based Leaching System. ACS Applied Energy Materials, 2020, 3, 8532-8542.	2.5	59
46	A Comprehensive Review of the Advancement in Recycling the Anode and Electrolyte from Spent Lithium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 13527-13554.	3.2	179
47	High Pseudocapacitance Boosts Ultrafast, High-Capacity Sodium Storage of 3D Graphene Foam-Encapsulated TiO₂ Architecture. ACS Applied Materials & Interfaces, 2020, 12, 23939-23950.	4.0	23
48	Electrocatalytic Interlayer with Fast Lithiumâ€“Polysulfides Diffusion for Lithiumâ€“Sulfur Batteries to Enhance Electrochemical Kinetics under Lean Electrolyte Conditions. Advanced Functional Materials, 2020, 30, 2000742.	7.8	87
49	A Mixed Modified Layer Formed In Situ to Protect and Guide Lithium Plating/Stripping Behavior. ACS Applied Materials & Interfaces, 2020, 12, 31411-31418.	4.0	23
50	A leaf-like Al₂O₃-based quasi-solid electrolyte with a fast Li⁺ conductive interface for stable lithium metal anodes. Journal of Materials Chemistry A, 2020, 8, 7280-7287.	5.2	29
51	MOF-derived lithiophilic CuO nanorod arrays for stable lithium metal anodes. Nanoscale, 2020, 12, 9416-9422.	2.8	34
52	Fast Capacitive Energy Storage and Long Cycle Life in a Deintercalationâ€“Intercalation Cathode Material. Small, 2020, 16, 1906025.	5.2	2
53	A Highâ€Efficiency CoSe Electrocatalyst with Hierarchical Porous Polyhedron Nanoarchitecture for Accelerating Polysulfides Conversion in Liâ€“S Batteries. Advanced Materials, 2020, 32, e2002168.	11.1	281
54	Biodegradable Bacterial Cellulose-Supported Quasi-Solid Electrolyte for Lithium Batteries. ACS Applied Materials & Interfaces, 2020, 12, 13950-13958.	4.0	45

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55	Curbing polysulfide shuttling by synergistic engineering layer composed of supported Sn4P3 nanodots electrocatalyst in lithium-sulfur batteries. Nano Energy, 2020, 70, 104532.	8.2	83
56	Cobalt nanoparticles shielded in N-doped carbon nanotubes for high areal capacity Liâ€"S batteries. Chemical Communications, 2020, 56, 3007-3010.	2.2	48
57	Sustainable Recycling Technology for Li-Ion Batteries and Beyond: Challenges and Future Prospects. Chemical Reviews, 2020, 120, 7020-7063.	23.0	957
58	Conversion Mechanisms of Selective Extraction of Lithium from Spent Lithium-Ion Batteries by Sulfation Roasting. ACS Applied Materials & Interfaces, 2020, 12, 18482-18489.	4.0	115
59	Co₉S₈ Nanorods as an Electrocatalyst To Enhance Polysulfide Conversion and Alleviate Passivation in Liâ€"S Batteries under Lean Electrolyte Conditions. ACS Applied Materials & Interfaces, 2020, 12, 21701-21708.	4.0	28
60	Distinctive electrochemical performance of novel Fe-based Li-rich cathode material prepared by molten salt method for lithium-ion batteries. Journal of Energy Chemistry, 2019, 33, 37-45.	7.1	23
61	Exceptional adsorption and catalysis effects of hollow polyhedra/carbon nanotube confined CoP nanoparticles superstructures for enhanced lithiumâ€"sulfur batteries. Nano Energy, 2019, 64, 103965.	8.2	153
62	Ion-exchange synthesis of high-energy-density prussian blue analogues for sodium ion battery cathodes with fast kinetics and long durability. Journal of Power Sources, 2019, 436, 226868.	4.0	48
63	Boosting Highâ€Rate Liâ€"S Batteries by an MOFâ€Derived Catalytic Electrode with a Layerâ€byâ€Layer Structure. Advanced Science, 2019, 6, 1802362.	5.6	91
64	Low-Temperature Molten-Salt-Assisted Recovery of Valuable Metals from Spent Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 16144-16150.	3.2	111
65	A green and effective room-temperature recycling process of LiFePO4 cathode materials for lithium-ion batteries. Waste Management, 2019, 85, 437-444.	3.7	110
66	Oxygenated Nitrogenâ€Doped Microporous Nanocarbon as a Permselective Interlayer for Ultrastable Lithiumâ€Sulfur Batteries. ChemElectroChem, 2019, 6, 1094-1100.	1.7	27
67	A 3D flower-like VO₂/MXene hybrid architecture with superior anode performance for sodium ion batteries. Journal of Materials Chemistry A, 2019, 7, 1315-1322.	5.2	112
68	Stable Conversion Mn₃O₄ Li-Ion Battery Anode Material with Integrated Hierarchical and Coreâ€"Shell Structure. ACS Applied Energy Materials, 2019, 2, 5206-5213.	2.5	21
69	Polypyrrole-Modified Prussian Blue Cathode Material for Potassium Ion Batteries via In Situ Polymerization Coating. ACS Applied Materials & Interfaces, 2019, 11, 22339-22345.	4.0	75
70	Freestanding Nâ€Doped Carbon Coated CuO Array Anode for Lithiumâ€Ion and Sodiumâ€Ion Batteries. Energy Technology, 2019, 7, 1900252.	1.8	13
71	Flexible Hydrogel Electrolyte with Superior Mechanical Properties Based on Poly(vinyl alcohol) and Bacterial Cellulose for the Solid-State Zincâ€"Air Batteries. ACS Applied Materials & Interfaces, 2019, 11, 15537-15542.	4.0	113
72	In situ generated spinel-phase skin on layered Li-rich short nanorods as cathode materials for lithium-ion batteries. Journal of Materials Science, 2019, 54, 9098-9110.	1.7	12

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73	All-iron sodium-ion full-cells assembled via stable porous goethite nanorods with low strain and fast kinetics. Nano Energy, 2019, 60, 294-304.	8.2	14
74	Electrolytes and Electrolyte/Electrode Interfaces in Sodiumâ€Ion Batteries: From Scientific Research to Practical Application. Advanced Materials, 2019, 31, e1808393.	11.1	264
75	Protecting lithium/sodium metal anode with metal-organic framework based compact and robust shield. Nano Energy, 2019, 60, 866-874.	8.2	113
76	Anode Interface Engineering and Architecture Design for Highâ€Performance Lithiumâ€"Sulfur Batteries. Advanced Materials, 2019, 31, e1806532.	11.1	172
77	Environmentally benign process for selective recovery of valuable metals from spent lithium-ion batteries by using conventional sulfation roasting. Green Chemistry, 2019, 21, 5904-5913.	4.6	136
78	Effect of metal ion concentration in precursor solution on structure and electrochemical performance of LiNi0.6Co0.2Mn0.2O2. Journal of Alloys and Compounds, 2019, 778, 643-651.	2.8	22
79	â€œTai Chiâ€•philosophy driven rigid-flexible hybrid ionogel electrolyte for high-performance lithium battery. Nano Energy, 2018, 47, 35-42.	8.2	83
80	Designing Realizable and Scalable Techniques for Practical Lithium Sulfur Batteries: A Perspective. Journal of Physical Chemistry Letters, 2018, 9, 1398-1414.	2.1	50
81	Boosting Fast Sodium Storage of a Largeâ€Scalable Carbon Anode with an Ultralong Cycle Life. Advanced Energy Materials, 2018, 8, 1703159.	10.2	119
82	Economical recycling process for spent lithium-ion batteries and macro- and micro-scale mechanistic study. Journal of Power Sources, 2018, 377, 70-79.	4.0	184
83	Innovative Application of Acid Leaching to Regenerate Li(Ni_{1/3}Co_{1/3}Mn_{1/3})O₂ Cathodes from Spent Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 5959-5968.	3.2	140
84	Fast sodium storage kinetics of lantern-like Ti0.25Sn0.75S2 connected via carbon nanotubes. Energy Storage Materials, 2018, 11, 100-111.	9.5	33
85	Process for recycling mixed-cathode materials from spent lithium-ion batteries and kinetics of leaching. Waste Management, 2018, 71, 362-371.	3.7	267
86	The Recycling of Spent Lithium-Ion Batteries: a Review of Current Processes and Technologies. Electrochemical Energy Reviews, 2018, 1, 461-482.	13.1	215
87	Hierarchical porous Co0.85Se@reduced graphene oxide ultrathin nanosheets with vacancy-enhanced kinetics as superior anodes for sodium-ion batteries. Nano Energy, 2018, 53, 524-535.	8.2	165
88	Compound-Hierarchical-Sphere LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂: Synthesis, Structure, and Electrochemical Characterization. ACS Applied Materials & Interfaces, 2018, 10, 32120-32127.	4.0	27
89	Conductivity and Pseudocapacitance Optimization of Bimetallic Antimonyâ€"Indium Sulfide Anodes for Sodiumâ€Ion Batteries with Favorable Kinetics. Advanced Science, 2018, 5, 1800613.	5.6	65
90	Selective Recovery of Li and Fe from Spent Lithium-Ion Batteries by an Environmentally Friendly Mechanochemical Approach. ACS Sustainable Chemistry and Engineering, 2018, 6, 11029-11035.	3.2	152

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91	Toward sustainable and systematic recycling of spent rechargeable batteries. Chemical Society Reviews, 2018, 47, 7239-7302.	18.7	624
92	A facile recovery process for cathodes from spent lithium iron phosphate batteries by using oxalic acid. CSEE Journal of Power and Energy Systems, 2018, 4, 219-225.	1.7	51
93	A Chemical Precipitation Method Preparing Hollowâ€“Coreâ€“Shell Heterostructures Based on the Prussian Blue Analogs as Cathode for Sodiumâ€Ion Batteries. Small, 2018, 14, e1801246.	5.2	104
94	Vitamin K as a high-performance organic anode material for rechargeable potassium ion batteries. Journal of Materials Chemistry A, 2018, 6, 12559-12564.	5.2	83
95	Toward Practical Highâ€Energy Batteries: A Modularâ€Assembled Ovalâ€Like Carbon Microstructure for Thick Sulfur Electrodes. Advanced Materials, 2017, 29, 1700598.	11.1	110
96	Sustainable Recovery of Cathode Materials from Spent Lithium-Ion Batteries Using Lactic Acid Leaching System. ACS Sustainable Chemistry and Engineering, 2017, 5, 5224-5233.	3.2	301
97	Sulfur Nanodots Stitched in 2D â€œBubble-Likeâ€• Interconnected Carbon Fabric as Reversibility-Enhanced Cathodes for Lithiumâ€“Sulfur Batteries. ACS Nano, 2017, 11, 4694-4702.	7.3	84
98	3D Reticular Li_{1.2}Ni_{0.2}Mn_{0.6}O₂ Cathode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 1516-1523.	4.0	56
99	Zirconia-supported solid-state electrolytes for high-safety lithium secondary batteries in a wide temperature range. Journal of Materials Chemistry A, 2017, 5, 24677-24685.	5.2	35
100	Structure Evolution from Layered to Spinel during Synthetic Control and Cycling Process of Fe-Containing Li-Rich Cathode Materials for Lithium-Ion Batteries. ACS Omega, 2017, 2, 5601-5610.	1.6	28
101	Constructing heterostructured Liâ€“Feâ€“Niâ€“Mnâ€“O cathodes for lithium-ion batteries: effective improvement of ultrafast lithium storage. Physical Chemistry Chemical Physics, 2017, 19, 22494-22501.	1.3	3
102	A novel border-rich Prussian blue synthetized by inhibitor control as cathode for sodium ion batteries. Nano Energy, 2017, 39, 273-283.	8.2	208
103	Organically modified silica-supported ionogels electrolyte for high temperature lithium-ion batteries. Nano Energy, 2017, 31, 9-18.	8.2	91
104	Advanced cathode materials for lithium-ion batteries using nanoarchitectonics. Nanoscale Horizons, 2016, 1, 423-444.	4.1	119
105	Light-weight functional layer on a separator as a polysulfide immobilizer to enhance cycling stability for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2016, 4, 17033-17041.	5.2	70
106	Platinumâ€Coated Hollow Graphene Nanocages as Cathode Used in Lithiumâ€Oxygen Batteries. Advanced Functional Materials, 2016, 26, 7626-7633.	7.8	88
107	The pursuit of solid-state electrolytes for lithium batteries: from comprehensive insight to emerging horizons. Materials Horizons, 2016, 3, 487-516.	6.4	592
108	Advanced High Energy Density Secondary Batteries with Multiâ€Electron Reaction Materials. Advanced Science, 2016, 3, 1600051.	5.6	180

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109	Sustainable Recycling and Regeneration of Cathode Scraps from Industrial Production of Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2016, 4, 7041-7049.	3.2	148
110	Chemical Inhibition Method to Synthesize Highly Crystalline Prussian Blue Analogs for Sodium-Ion Battery Cathodes. ACS Applied Materials & Interfaces, 2016, 8, 31669-31676.	4.0	139
111	Preparation of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. ACS Applied Materials & Interfaces, 2016, 8, 16078-16086.	4.0	95
112	â€œLiquid-in-Solidâ€•and â€œSolid-in-Liquidâ€•Electrolytes with High Rate Capacity and Long Cycling Life for Lithium-Ion Batteries. Chemistry of Materials, 2016, 28, 848-856.	3.2	100
113	An investigation of functionalized electrolyte using succinonitrile additive for high voltage lithium-ion batteries. Journal of Power Sources, 2016, 306, 70-77.	4.0	140
114	A facile approach of introducing DMS into LiODFBâ€“PYR₁₄TFSI electrolyte for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 6366-6372.	5.2	18
115	Surface modification of a cobalt-free layered Li[Li_{0.2}Fe_{0.1}Ni_{0.15}Mn_{0.55}]O₂ oxide with the FePO₄/Li₃PO₄ composite as the cathode for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 9528-9537.	5.2	36
116	Succinic acid-based leaching system: A sustainable process for recovery of valuable metals from spent Li-ion batteries. Journal of Power Sources, 2015, 282, 544-551.	4.0	343
117	Sulfur cathode based on layered carbon matrix for high-performance Liâ€“S batteries. Nano Energy, 2015, 12, 742-749.	8.2	57
118	How does lithium oxalyldifluoroborate enable the compatibility of ionic liquids and carbon-based capacitors?. Journal of Power Sources, 2015, 276, 299-308.	4.0	5
119	Na2NixCo1âˆ’xFe(CN)6: A class of Prussian blue analogs with transition metal elements as cathode materials for sodium ion batteries. Electrochemistry Communications, 2015, 59, 91-94.	2.3	93
120	Design of surface protective layer of LiF/FeF3 nanoparticles in Li-rich cathode for high-capacity Li-ion batteries. Nano Energy, 2015, 15, 164-176.	8.2	162
121	Ionic liquid electrolytes with protective lithium difluoro(oxalate)borate for high voltage lithium-ion batteries. Nano Energy, 2015, 13, 546-553.	8.2	65
122	Ring-chain synergy in ionic liquid electrolytes for lithium batteries. Chemical Science, 2015, 6, 7274-7283.	3.7	21
123	Structural and Electrochemical Study of Hierarchical LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ Cathode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 21939-21947.	4.0	95
124	The Positive Roles of Integrated Layered-Spinel Structures Combined with Nanocoating in Low-Cost Li-Rich Cathode Li[Li_{0.2}Fe_{0.1}Ni_{0.15}Mn_{0.55}]O₂ for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 21711-21720.	4.0	62
125	Organic-Acid-Assisted Fabrication of Low-Cost Li-Rich Cathode Material (Li[Li1/6Fe1/6Ni1/6Mn1/2]O2) for Lithiumâ€“Ion Battery. ACS Applied Materials & Interfaces, 2014, 6, 22305-22315.	4.0	31
126	Investigation of a novel ternary electrolyte based on dimethyl sulfite and lithium difluoromono(oxalato)borate for lithium ion batteries. Journal of Power Sources, 2014, 245, 730-738.	4.0	20

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127	The effect of chromium substitution on improving electrochemical performance of low-cost Feâ€“Mn based Li-rich layered oxide as cathode material for lithium-ion batteries. Journal of Power Sources, 2014, 245, 898-907.	4.0	36
128	Synthesis and electrochemical performance of cathode material Li1.2Co0.13Ni0.13Mn0.54O2 from spent lithium-ion batteries. Journal of Power Sources, 2014, 249, 28-34.	4.0	98
129	A simple solvent method for the recovery of LixCoO2 and its applications in alkaline rechargeable batteries. Journal of Power Sources, 2014, 252, 286-291.	4.0	46
130	Aprotic and Aqueous Liâ€“O₂ Batteries. Chemical Reviews, 2014, 114, 5611-5640.	23.0	975
131	Controllable crystalline preferred orientation in Liâ€“Coâ€“Niâ€“Mn oxide cathode thin films for all-solid-state lithium batteries. Nanoscale, 2014, 6, 10611.	2.8	41
132	Free-Standing Hierarchically Sandwich-Type Tungsten Disulfide Nanotubes/Graphene Anode for Lithium-Ion Batteries. Nano Letters, 2014, 14, 5899-5904.	4.5	268
133	Surface modification of spinel Î»-MnO 2 and its lithium adsorption properties from spent lithium ion batteries. Applied Surface Science, 2014, 315, 59-65.	3.1	39
134	Stable Nanostructured Cathode with Polycrystalline Li-Deficient Li_{0.28}Co_{0.29}Ni_{0.30}Mn_{0.20}O₂ for Lithium-Ion Batteries. Nano Letters, 2014, 14, 1281-1287.	4.5	36
135	An Effective Approach To Protect Lithium Anode and Improve Cycle Performance for Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2014, 6, 15542-15549.	4.0	157
136	Recovery of valuable metals from spent lithium-ion batteries by ultrasonic-assisted leaching process. Journal of Power Sources, 2014, 262, 380-385.	4.0	242
137	Recovery of metals from spent lithium-ion batteries with organic acids as leaching reagents and environmental assessment. Journal of Power Sources, 2013, 233, 180-189.	4.0	378
138	Graphene-Based Three-Dimensional Hierarchical Sandwich-type Architecture for High-Performance Li/S Batteries. Nano Letters, 2013, 13, 4642-4649.	4.5	385
139	Coralline Glassy Lithium Phosphate-Coated LiFePO₄ Cathodes with Improved Power Capability for Lithium Ion Batteries. Journal of Physical Chemistry C, 2013, 117, 6013-6021.	1.5	66
140	Synthesis, characterization, and electrochemistry of cathode material Li[Li0.2Co0.13Ni0.13Mn0.54]O2 using organic chelating agents for lithium-ion batteries. Journal of Power Sources, 2013, 228, 206-213.	4.0	97
141	A diisocyanate/sulfone binary electrolyte based on lithium difluoro(oxalate)borate for lithium batteries. Journal of Materials Chemistry A, 2013, 1, 3659.	5.2	37
142	High voltage and safe electrolytes based on ionic liquid and sulfone for lithium-ion batteries. Journal of Power Sources, 2013, 233, 115-120.	4.0	86
143	Structural and Electrochemical Study of Al₂O₃ and TiO₂ Coated Li_{1.2}Ni_{0.13}Mn_{0.54}Co_{0.13}O₂ Cathode Material Using ALD. Advanced Energy Materials, 2013, 3, 1299-1307.	10.2	418
144	A Study of High-Voltage LiNi_{0.5}Mn_{1.5}O₄and High-Capacity Li_{1.5}Ni_{0.25}Mn_{0.75}O_{2.5}Blends. Journal of the Electrochemical Society, 2013, 160, A1079-A1083.	1.3	14

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145	Recovered LiCoO₂as anode materials for Ni/Co power batteries. Physical Chemistry Chemical Physics, 2012, 14, 71-75.	1.3	15
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147	Ascorbic-acid-assisted recovery of cobalt and lithium from spent Li-ion batteries. Journal of Power Sources, 2012, 218, 21-27.	4.0	378
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