

# Jiu-Lin Wang

## List of Publications by Citations

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138  
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97  
g-index

143  
ext. papers

11,483  
ext. citations

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avg, IF

6.54  
L-index

#	Paper	IF	Citations
138	Lithium metal anodes for rechargeable batteries. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 513-537	35.4	2793
137	Polyacrylonitrile/graphene composite as a precursor to a sulfur-based cathode material for high-rate rechargeable LiS batteries. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6966	35.4	415
136	Novel Three-Dimensional Mesoporous Silicon for High Power Lithium-Ion Battery Anode Material. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 1036-1039	21.8	352
135	Novel dual-salts electrolyte solution for dendrite-free lithium-metal based rechargeable batteries with high cycle reversibility. <i>Journal of Power Sources</i> , <b>2014</b> , 271, 291-297	8.9	260
134	Sulfur-based composite cathode materials for high-energy rechargeable lithium batteries. <i>Advanced Materials</i> , <b>2015</b> , 27, 569-75	24	247
133	Highly Crystallized Na <sub>2</sub> CoFe(CN) <sub>6</sub> with Suppressed Lattice Defects as Superior Cathode Material for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 5393-9	9.5	220
132	Carbonyl-β-Cyclodextrin as a Novel Binder for Sulfur Composite Cathodes in Rechargeable Lithium Batteries. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1194-1201	15.6	220
131	Highly Reversible and Rechargeable Safe Zn Batteries Based on a Triethyl Phosphate Electrolyte. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2760-2764	16.4	206
130	Silicon Microparticle Anodes with Self-Healing Multiple Network Binder. <i>Joule</i> , <b>2018</b> , 2, 950-961	27.8	196
129	Room temperature Na/S batteries with sulfur composite cathode materials. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 31-34	5.1	181
128	A novel pyrolyzed polyacrylonitrile-sulfur@MWCNT composite cathode material for high-rate rechargeable lithium/sulfur batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6807		174
127	CNT enhanced sulfur composite cathode material for high rate lithium battery. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 399-402	5.1	152
126	Recent progress and perspective on lithium metal anode protection. <i>Energy Storage Materials</i> , <b>2018</b> , 14, 199-221	19.4	140
125	Towards a safe lithium-sulfur battery with a flame-inhibiting electrolyte and a sulfur-based composite cathode. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10099-104	16.4	137
124	A new ether-based electrolyte for dendrite-free lithium-metal based rechargeable batteries. <i>Scientific Reports</i> , <b>2016</b> , 6, 21771	4.9	131
123	A Highly Reversible Zn Anode with Intrinsically Safe Organic Electrolyte for Long-Cycle-Life Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900668	24	131
122	Polymer lithium cells with sulfur composites as cathode materials. <i>Electrochimica Acta</i> , <b>2003</b> , 48, 1861-1867		125

121	Microporous carbon coated silicon core/shell nanocomposite via in situ polymerization for advanced Li-ion battery anode material. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 11101-5	3.6	116
120	A novel rechargeable battery with a magnesium anode, a titanium dioxide cathode, and a magnesium borohydride/tetraglyme electrolyte. <i>Chemical Communications</i> , <b>2015</b> , 51, 2641-4	5.8	101
119	An Intrinsic Flame-Retardant Organic Electrolyte for Safe Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 791-795	16.4	100
118	Enhanced Performance of a Lithium-Sulfur Battery Using a Carbonate-Based Electrolyte. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10372-5	16.4	94
117	Morphology regulation and carbon coating of LiMnPO <sub>4</sub> cathode material for enhanced electrochemical performance. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 10258-10262	8.9	83
116	Additive-containing ionic liquid electrolytes for secondary lithium battery. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 621-626	8.9	83
115	Polydopamine Wrapping Silicon Cross-linked with Polyacrylic Acid as High-Performance Anode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2899-904	9.5	79
114	Polyimide encapsulated lithium-rich cathode material for high voltage lithium-ion battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17965-73	9.5	76
113	Electrochemical Intercalation of Mg <sup>2+</sup> in Magnesium Manganese Silicate and Its Application as High-Energy Rechargeable Magnesium Battery Cathode. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 12594-12597	3.8	74
112	Charge/discharge characteristics of sulfur composite cathode materials in rechargeable lithium batteries. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 7372-7376	6.7	74
111	Natural karaya gum as an excellent binder for silicon-based anodes in high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1919-1924	13	71
110	Hierarchical sulfur-based cathode materials with long cycle life for rechargeable lithium batteries. <i>ChemSusChem</i> , <b>2014</b> , 7, 563-9	8.3	71
109	A High-Performance Rechargeable Mg(2+)/Li(+) Hybrid Battery Using One-Dimensional Mesoporous TiO <sub>2</sub> (B) Nanoflakes as the Cathode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7111-7119	9.5	71
108	A high performance lithium-selenium battery using a microporous carbon confined selenium cathode and a compatible electrolyte. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9350-9357	13	70
107	Nano/micro-structured Si/CNT/C composite from nano-SiO <sub>2</sub> for high power lithium ion batteries. <i>Nanoscale</i> , <b>2014</b> , 6, 12532-9	7.7	69
106	Gravimetric and volumetric energy densities of lithium-sulfur batteries. <i>Current Opinion in Electrochemistry</i> , <b>2017</b> , 6, 92-99	7.2	68
105	Lithium sulfur batteries with compatible electrolyte both for stable cathode and dendrite-free anode. <i>Energy Storage Materials</i> , <b>2018</b> , 15, 299-307	19.4	66
104	Artificial Interface Deriving from Sacrificial Tris(trimethylsilyl)phosphate Additive for Lithium Rich Cathode Materials. <i>Electrochimica Acta</i> , <b>2014</b> , 117, 99-104	6.7	63

103	Electrochemical characteristics of sulfur composite cathode materials in rechargeable lithium batteries. <i>Journal of Power Sources</i> , <b>2004</b> , 138, 271-273	8.9	57
102	Electrolytes for advanced lithium ion batteries using silicon-based anodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 9432-9446	13	54
101	Prospect of Sulfurized Pyrolyzed Poly(acrylonitrile) (S@pPAN) Cathode Materials for Rechargeable Lithium Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7306-7318	16.4	54
100	A solvothermal strategy: one-step in situ synthesis of self-assembled 3D graphene-based composites with enhanced lithium storage capacity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 9200-9207 <sup>13</sup>		53
99	Guar gum as a novel binder for sulfur composite cathodes in rechargeable lithium batteries. <i>Chemical Communications</i> , <b>2016</b> , 52, 13479-13482	5.8	52
98	Designing Li-protective layer via SOCl <sub>2</sub> additive for stabilizing lithium-sulfur battery. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 222-228	19.4	52
97	Safer lithium-sulfur battery based on nonflammable electrolyte with sulfur composite cathode. <i>Chemical Communications</i> , <b>2018</b> , 54, 4132-4135	5.8	51
96	Facile approach to SiO(x)/Si/C composite anode material from bulk SiO for lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 14420-6	3.6	51
95	Confining small sulfur molecules in peanut shell-derived microporous graphitic carbon for advanced lithium sulfur battery. <i>Electrochimica Acta</i> , <b>2018</b> , 273, 127-135	6.7	50
94	Stable Na Metal Anode Enabled by a Reinforced Multistructural SEI Layer. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901924	15.6	49
93	Electrochemical intercalation of Mg <sup>2+</sup> in 3D hierarchically porous magnesium cobalt silicate and its application as an advanced cathode material in rechargeable magnesium batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 12437		48
92	MgFeSiO <sub>4</sub> prepared via a molten salt method as a new cathode material for rechargeable magnesium batteries. <i>Science Bulletin</i> , <b>2011</b> , 56, 386-390		48
91	Surface Modification of Li <sub>1.2</sub> Ni <sub>0.13</sub> Mn <sub>0.54</sub> Co <sub>0.13</sub> O <sub>2</sub> by Hydrazine Vapor as Cathode Material for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 15821-9	9.5	47
90	Dual-mode sulfur-based cathode materials for rechargeable Li-S batteries. <i>Chemical Communications</i> , <b>2012</b> , 48, 7868-70	5.8	46
89	Application of a Sulfur Cathode in Nucleophilic Electrolytes for Magnesium/Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A2504-A2512	3.9	45
88	High concentration magnesium borohydride/tetraglyme electrolyte for rechargeable magnesium batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 276, 255-261	8.9	45
87	Stable Lithium Metal Anode Enabled by a Lithiophilic and Electron/Ion Conductive Framework. <i>ACS Nano</i> , <b>2020</b> , 14, 5618-5627	16.7	43
86	Towards practical LiS battery with dense and flexible electrode containing lean electrolyte. <i>Energy Storage Materials</i> , <b>2020</b> , 27, 307-315	19.4	42

85	TPPi as a flame retardant for rechargeable lithium batteries with sulfur composite cathodes. <i>Chemical Communications</i> , <b>2014</b> , 50, 7011-3	5.8	42
84	Effect of Mg <sup>2+</sup> /Li <sup>+</sup> mixed electrolytes on a rechargeable hybrid battery with Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> cathode and Mg anode. <i>RSC Advances</i> , <b>2016</b> , 6, 3231-3234	3.7	41
83	Nonflammable electrolyte for rechargeable lithium battery with sulfur based composite cathode materials. <i>Journal of Power Sources</i> , <b>2013</b> , 223, 18-22	8.9	41
82	Uniform Carbon Coating on Silicon Nanoparticles by Dynamic CVD Process for Electrochemical Lithium Storage. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 12697-12704	3.9	40
81	Highly Reversible and Rechargeable Safe Zn Batteries Based on a Triethyl Phosphate Electrolyte. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2786-2790	3.6	39
80	High Active Magnesium Trifluoromethanesulfonate-Based Electrolytes for Magnesium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9062-9072	9.5	37
79	[email[protected]] Carbon Cathode with a High Sulfur Content for Magnesium-Sulfur Batteries with Nucleophilic Electrolytes. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 26764-26776	3.8	37
78	A novel graphene sheet-wrapped Co <sub>2</sub> (OH) <sub>3</sub> Cl composite as a long-life anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16925-16930	13	33
77	Facile approach to an advanced nanoporous silicon/carbon composite anode material for lithium ion batteries. <i>RSC Advances</i> , <b>2012</b> , 2, 5701	3.7	33
76	A stable organic-inorganic hybrid layer protected lithium metal anode for long-cycle lithium-oxygen batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 366, 265-269	8.9	32
75	Metal Organic Framework (MOF)-Derived carbon-encapsulated cuprous sulfide cathode based on displacement reaction for Hybrid Mg <sup>2+</sup> /Li <sup>+</sup> batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 445, 227325	8.9	32
74	A new ether-based electrolyte for lithium sulfur batteries using a S@pPAN cathode. <i>Chemical Communications</i> , <b>2018</b> , 54, 5478-5481	5.8	31
73	Hybrid Mg <sup>2+</sup> /Li <sup>+</sup> batteries with Cu <sub>2</sub> Se cathode based on displacement reaction. <i>Electrochimica Acta</i> , <b>2018</b> , 261, 503-512	6.7	30
72	Molybdenum dioxide hollow microspheres for cathode material in rechargeable hybrid battery using magnesium anode. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 3347-3353	2.6	29
71	Designing an intrinsically safe organic electrolyte for rechargeable batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 31, 382-400	19.4	29
70	Effects of binders on the electrochemical performance of rechargeable magnesium batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 341, 219-229	8.9	27
69	Enhanced Performance of a Lithium-Sulfur Battery Using a Carbonate-Based Electrolyte. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10528-10531	3.6	27
68	Magnesium Borohydride-Based Electrolytes Containing 1-butyl-1-methylpiperidinium bis(trifluoromethyl sulfonyl)imide Ionic Liquid for Rechargeable Magnesium Batteries. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, D682-D688	3.9	27

67	A compatible carbonate electrolyte with lithium anode for high performance lithium sulfur battery. <i>Electrochimica Acta</i> , <b>2018</b> , 282, 555-562	6.7	27
66	Co/Ni Binary-Metal Oxide Coated with Porous Carbon Derived from Metal-Organic Framework as Host of Nano-Sulfur for Lithium-Sulfur Batteries. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 108-116	5.6	27
65	Duplex component additive of tris(trimethylsilyl) phosphite-vinylene carbonate for lithium sulfur batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 14, 75-81	19.4	26
64	Low-cost SiO <sub>2</sub> -based anode using green binders for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 2461-2469	2.6	26
63	Oxidized starch as a superior binder for silicon anodes in lithium-ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 97084-97088	3.7	26
62	A high performance lithium-ion-sulfur battery with a free-standing carbon matrix supported Li-rich alloy anode. <i>Chemical Science</i> , <b>2018</b> , 9, 8829-8835	9.4	24
61	A novel magnesium electrolyte containing a magnesium bis(diisopropyl)amide-magnesium chloride complex for rechargeable magnesium batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18295-18303	13	22
60	Bicomponent electrolyte additive excelling fluoroethylene carbonate for high performance Si-based anodes and lithiated Si-S batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 20, 388-394	19.4	21
59	A conductive selenized polyacrylonitrile cathode in nucleophilic Mg <sup>2+</sup> /Li <sup>+</sup> hybrid electrolytes for magnesium-selenium batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17075-17085	13	20
58	Lithium-rich Li <sub>2.6</sub> Mg <sub>0.05</sub> alloy as an alternative anode to metallic lithium for rechargeable lithium batteries. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 8900-8905	6.7	20
57	Addressing thermodynamic instability of Zn anode: classical and recent advancements. <i>Energy Storage Materials</i> , <b>2022</b> , 44, 206-230	19.4	20
56	ALF-Modified carbon nanofibers as a multifunctional 3D interlayer for stable lithium metal anodes. <i>Chemical Communications</i> , <b>2018</b> , 54, 8347-8350	5.8	20
55	Prelithiation Activates Fe(MoO) <sub>4</sub> Cathode for Rechargeable Hybrid Mg/Li Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 38455-38466	9.5	19
54	Charge/discharge characteristics of sulfur composite electrode at different temperature and current density in rechargeable lithium batteries. <i>Ionics</i> , <b>2008</b> , 14, 335-337	2.7	19
53	A lithium-ion oxygen battery with a Si anode lithiated in situ by a LiN-containing cathode. <i>Chemical Communications</i> , <b>2018</b> , 54, 1069-1072	5.8	18
52	Towards a Safe Lithium-Sulfur Battery with a Flame-Inhibiting Electrolyte and a Sulfur-Based Composite Cathode. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10263-10268	3.6	18
51	Boosting electrochemical kinetics of S cathodes for room temperature Na/S batteries. <i>Matter</i> , <b>2021</b> , 4, 1768-1800	12.7	18
50	Suppressing Dendrite Growth of a Lithium Metal Anode by Modifying Conventional Polypropylene Separators with a Composite Layer. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 506-513	6.1	17



49	Boosting the Sodiation Capability and Stability of FeP by In Situ Anchoring on the Graphene Conductive Framework. <i>ChemNanoMat</i> , <b>2018</b> , 4, 309-315	3.5	16
48	Superior rate capability of a sulfur composite cathode in a tris(trimethylsilyl)borate-containing functional electrolyte. <i>Chemical Communications</i> , <b>2016</b> , 52, 14430-14433	5.8	15
47	Scalable and Cost-Effective Preparation of Hierarchical Porous Silicon with a High Conversion Yield for Superior Lithium-Ion Storage. <i>Energy Technology</i> , <b>2016</b> , 4, 593-599	3.5	15
46	Highly Reversible Lithium-Metal Anode and Lithium-Sulfur Batteries Enabled by an Intrinsic Safe Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 33419-33427	9.5	15
45	A novel thiolate-based electrolyte system for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 121, 258-263	6.7	14
44	Prospect of Sulfurized Pyrolyzed Poly(acrylonitrile) (S@pPAN) Cathode Materials for Rechargeable Lithium Batteries. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7374-7386	3.6	14
43	Inherently flame-retardant solid polymer electrolyte for safety-enhanced lithium metal battery. <i>Chemical Engineering Journal</i> , <b>2021</b> , 410, 128415	14.7	14
42	Nano-/Microhierarchical-Structured LiMnFePO Cathode Material for Advanced Lithium Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43552-43560	9.5	13
41	Dense and high loading sulfurized pyrolyzed poly (acrylonitrile)(S@pPAN) cathode for rechargeable lithium batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 31, 187-194	19.4	12
40	Carbyne polysulfide as a novel cathode material for rechargeable magnesium batteries. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 107918	2.2	12
39	High Molecular Weight Polyacrylonitrile Precursor for S@pPAN Composite Cathode Materials with High Specific Capacity for Rechargeable Lithium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33702-33709	9.5	11
38	Reversible Deposition and Dissolution of Magnesium from Imidazolium-Based Ionic Liquids. <i>International Journal of Electrochemistry</i> , <b>2012</b> , 2012, 1-8	2.4	11
37	Polymer electrolytes for rechargeable lithium metal batteries. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 5469-5487	5.8	11
36	An Efficient Bulky Mg[B(Otfe) <sub>4</sub> ] <sub>2</sub> Electrolyte and Its Derivatively General Design Strategy for Rechargeable Magnesium Batteries. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 3212-3220	20.1	11
35	A polyimide ion-conductive protection layer to suppress side reactions on Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> electrodes at elevated temperature. <i>RSC Advances</i> , <b>2014</b> , 4, 10280-10283	3.7	10
34	Sodium Polyacrylate as a Promising Aqueous Binder of [email[protected]] Cathodes for Magnesium-Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 20712-20721	3.8	9
33	Controlled Synthesis of Porous Carbon Nanostructures with Tunable Closed Mesopores via a Silica-Assisted Coassembly Strategy. <i>CCS Chemistry</i> , <b>2021</b> , 3, 1410-1422	7.2	9
32	Highly Reversible Lithium-ions Storage of Molybdenum Dioxide Nanoplates for High Power Lithium-ion Batteries. <i>ChemSusChem</i> , <b>2015</b> , 8, 2621-4	8.3	8

31	Nanoporous silicon from low-cost natural clinoptilolite for lithium storage. <i>RSC Advances</i> , <b>2015</b> , 5, 56772-56779	3.7	8
30	Silica-nanoresin crosslinked composite polymer electrolyte for ambient-temperature all-solid-state lithium batteries. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 6502-6511	7.8	8
29	Hierarchical porous carbon derived from animal bone as matrix to encapsulated selenium for high performance LiSe battery. <i>Rare Metals</i> , <b>2017</b> , 36, 434-441	5.5	7
28	A superb 3D composite lithium metal anode prepared by in-situ lithiation of sulfurized polyacrylonitrile. <i>Energy Storage Materials</i> , <b>2020</b> , 33, 452-459	19.4	7
27	Integrated Composite Polymer Electrolyte Cross-Linked with SiO <sub>2</sub> -Reinforced Layer for Enhanced Li-Ion Conductivity and Lithium Dendrite Inhibition. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 8552-8561	6.1	7
26	A new electrolyte with good compatibility to a lithium anode for non-aqueous LiO <sub>2</sub> batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 47820-47823	3.7	7
25	Sulfurized-Pyrolyzed Polyacrylonitrile Cathode for Magnesium-Sulfur Batteries Containing Mg <sup>2+</sup> /Li <sup>+</sup> Hybrid Electrolytes. <i>Chemical Engineering Journal</i> , <b>2021</b> , 427, 130902	14.7	6
24	A new flame-retardant polymer electrolyte with enhanced Li-ion conductivity for safe lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 65, 616-622	12	6
23	Building high performance siliconoxygen and siliconulfur battery by in-situ lithiation of fibrous Si/C anode. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 806, 335-342	5.7	5
22	High performance nano-sized LiMn <sub>1-x</sub> Fe <sub>x</sub> PO <sub>4</sub> cathode materials for advanced lithium-ion batteries. <i>RSC Advances</i> , <b>2017</b> , 7, 43708-43715	3.7	5
21	Rechargeable hybrid organic Zn battery (ReHOZnB) with non-flammable electrolyte. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 904, 115949	4.1	5
20	A Chlorine-Free Electrolyte Based on Non-nucleophilic Magnesium Bis(diisopropyl)amide and Ionic Liquid for Rechargeable Magnesium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 32957-32967	9.5	5
19	A crosslinking hydrogel binder for high-sulfur content S@pPAN cathode in rechargeable lithium batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 60, 360-367	12	5
18	Recent progress on selenium-based cathode materials for rechargeable magnesium batteries: A mini review. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 91, 168-177	9.1	5
17	A Porous and Interconnected Polypyrrole Film with High Conductivity and Ion Accessibility as Electrode for Flexible All-Solid-State Supercapacitors. <i>ChemElectroChem</i> , <b>2019</b> , 6, 5479-5485	4.3	4
16	Effect of copper to Selenium@Microporous carbon cathode for MgSe batteries with nucleophilic electrolyte. <i>Electrochimica Acta</i> , <b>2020</b> , 330, 135354	6.7	4
15	SnSe /FeSe Nanocubes Capsulated in Nitrogen-Doped Carbon Realizing Stable Sodium-Ion Storage at Ultrahigh Rate.. <i>Small Methods</i> , <b>2021</b> , 5, e2100437	12.8	4
14	Electrochemical polymerization of nonflammable electrolyte enabling fast-charging lithium-sulfur battery. <i>Energy Storage Materials</i> , <b>2022</b> , 50, 387-394	19.4	4



13	Zn anode sustaining high rate and high loading in organic electrolyte for rechargeable batteries. <i>Energy Storage Materials</i> , <b>2022</b> , 46, 523-534	19.4	3
12	Dramatic improvement in high-rate capability of LiMnPO <sub>4</sub> nanosheets via crystallite size regulation. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 162510	5.7	3
11	Sulfurized Polyacrylonitrile Cathode Derived from Intermolecular Cross-Linked Polyacrylonitrile for a Rechargeable Lithium Battery. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 5706-5712	6.1	3
10	In-situ mechanochemical synthesis of sub-micro Si/Sn@SiO <sub>x</sub> -C composite as high-rate anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2021</b> , 384, 138413	6.7	3
9	A Se-Doped S@CMK3 Composite as a High-Performance Cathode for Magnesium Sulfur Batteries with Mg <sup>2+</sup> /Li <sup>+</sup> Hybrid Electrolytes. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 25959-25967	3.8	2
8	An Antipulverization and High-Continuity Lithium Metal Anode for High-Energy Lithium Batteries. <i>Advanced Materials</i> , <b>2021</b> , e2105029	24	2
7	Coupling-Agent-Coordinated Uniform Polymer Coating on LiNiCoMnO for Improved Electrochemical Performance at Elevated Temperatures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 26971-26980	9.5	2
6	Effect of Synthesis Processes on the Microstructure and Electrochemical Properties of LiMnPO <sub>4</sub> Cathode Material. <i>Industrial &amp; Engineering Chemistry Research</i> ,	3.9	1
5	Artificial Alloy/Li <sub>3</sub> N Double-Layer Enabling Stable High-Capacity Lithium Metal Anodes. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 13132-13139	6.1	1
4	A Novel Filler for Gel Polymer Electrolyte with a High Lithium-Ion Transference Number toward Stable Cycling for Lithium-Metal Anodes in Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 48622-48633	9.5	1
3	Highly stable lithium metal composite anode with a flexible 3D lithiophilic skeleton. <i>Nano Energy</i> , <b>2022</b> , 95, 107013	17.1	0
2	Enhanced Cycle Stability of Li <sub>1.2</sub> Ni <sub>0.13</sub> Mn <sub>0.54</sub> Co <sub>0.13</sub> O <sub>2</sub> Cathode with Sodium Oxalyl difluoroborate Electrolyte Salt for Hybrid Li-Na Ion Battery. <i>ChemistrySelect</i> , <b>2021</b> , 6, 12288-12294 <sup>1.8</sup>		
1	An Intrinsic Flame-Retardant Organic Electrolyte for Safe Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2018</b> , 131, 801	3.6	