

Sen Xin

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

17,301
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163
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20,104
ext. citations

12.6
avg, IF

7.16
L-index

#	Paper	IF	Citations
153	Lithium-sulfur batteries: electrochemistry, materials, and prospects. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13186-200	16.4	1989
152	Smaller sulfur molecules promise better lithium-sulfur batteries. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18510-3	16.4	1317
151	Plating a Dendrite-Free Lithium Anode with a Polymer/Ceramic/Polymer Sandwich Electrolyte. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9385-8	16.4	662
150	Nanocarbon networks for advanced rechargeable lithium batteries. <i>Accounts of Chemical Research</i> , 2012 , 45, 1759-69	24.3	488
149	A high-energy room-temperature sodium-sulfur battery. <i>Advanced Materials</i> , 2014 , 26, 1261-5	24	446
148	Improving the electrode performance of Ge through Ge@C core-shell nanoparticles and graphene networks. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2512-5	16.4	411
147	Rice husk-derived hierarchical silicon/nitrogen-doped carbon/carbon nanotube spheres as low-cost and high-capacity anodes for lithium-ion batteries. <i>Nano Energy</i> , 2016 , 25, 120-127	17.1	360
146	Hybrid Polymer/Garnet Electrolyte with a Small Interfacial Resistance for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 753-756	16.4	341
145	An advanced selenium-carbon cathode for rechargeable lithium-selenium batteries. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8363-7	16.4	330
144	Stable Li Plating/Stripping Electrochemistry Realized by a Hybrid Li Reservoir in Spherical Carbon Granules with 3D Conducting Skeletons. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5916-5922	16.4	329
143	Subzero-Temperature Cathode for a Sodium-Ion Battery. <i>Advanced Materials</i> , 2016 , 28, 7243-8	24	299
142	Carbon nanofibers decorated with molybdenum disulfide nanosheets: synergistic lithium storage and enhanced electrochemical performance. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11552-6	16.4	297
141	Garnet Electrolyte with an Ultralow Interfacial Resistance for Li-Metal Batteries. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6448-6455	16.4	295
140	Photocatalytic CO Reduction by Carbon-Coated Indium-Oxide Nanobelts. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4123-4129	16.4	291
139	Ion-Catalyzed Synthesis of Microporous Hard Carbon Embedded with Expanded Nanographite for Enhanced Lithium/Sodium Storage. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14915-14922	16.4	267
138	Cu-Si nanocable arrays as high-rate anode materials for lithium-ion batteries. <i>Advanced Materials</i> , 2011 , 23, 4415-20	24	266
137	Solid-State Lithium Metal Batteries Promoted by Nanotechnology: Progress and Prospects. <i>ACS Energy Letters</i> , 2017 , 2, 1385-1394	20.1	259

136	Ionothermal synthesis of sulfur-doped porous carbons hybridized with graphene as superior anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2012 , 48, 10663-5	5.8	252
135	Rechargeable Sodium All-Solid-State Battery. <i>ACS Central Science</i> , 2017 , 3, 52-57	16.8	240
134	Superior radical polymer cathode material with a two-electron process redox reaction promoted by graphene. <i>Energy and Environmental Science</i> , 2012 , 5, 5221-5225	35.4	207
133	Double-Layer Polymer Electrolyte for High-Voltage All-Solid-State Rechargeable Batteries. <i>Advanced Materials</i> , 2019 , 31, e1805574	24	196
132	Mastering the interface for advanced all-solid-state lithium rechargeable batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13313-13317	11.5	193
131	Novel Hydrogel-Derived Bifunctional Oxygen Electrocatalyst for Rechargeable Air Cathodes. <i>Nano Letters</i> , 2016 , 16, 6516-6522	11.5	192
130	Biotemplated synthesis of three-dimensional porous MnO/C-N nanocomposites from renewable rapeseed pollen: An anode material for lithium-ion batteries. <i>Nano Research</i> , 2017 , 10, 1-11	10	191
129	SiO Encapsulated in Graphene Bubble Film: An Ultrastable Li-Ion Battery Anode. <i>Advanced Materials</i> , 2018 , 30, e1707430	24	183
128	Liquid K-Na Alloy Anode Enables Dendrite-Free Potassium Batteries. <i>Advanced Materials</i> , 2016 , 28, 9608-9612	24	179
127	Tuning the porous structure of carbon hosts for loading sulfur toward long lifespan cathode materials for LiS batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6602	13	170
126	Lithium-Schwefel-Batterien: Elektrochemie, Materialien und Perspektiven. <i>Angewandte Chemie</i> , 2013 , 125, 13426-13441	3.6	163
125	Electrospray Synthesis of Silicon/Carbon Nanoporous Microspheres as Improved Anode Materials for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14148-14154	3.8	163
124	LiN-Modified Garnet Electrolyte for All-Solid-State Lithium Metal Batteries Operated at 40 °C. <i>Nano Letters</i> , 2018 , 18, 7414-7418	11.5	160
123	Black phosphorus composites with engineered interfaces for high-rate high-capacity lithium storage. <i>Science</i> , 2020 , 370, 192-197	33.3	156
122	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9965-8	16.4	155
121	Covalently Connected Carbon Nanostructures for Current Collectors in Both the Cathode and Anode of Li-S Batteries. <i>Advanced Materials</i> , 2016 , 28, 9094-9102	24	154
120	A High-Energy-Density Potassium Battery with a Polymer-Gel Electrolyte and a Polyaniline Cathode. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5449-5453	16.4	150
119	NaMV(PO) (M = Mn, Fe, Ni) Structure and Properties for Sodium Extraction. <i>Nano Letters</i> , 2016 , 16, 7836-7841	16.4	146

118	Stabilizing a High-Energy-Density Rechargeable Sodium Battery with a Solid Electrolyte. <i>Chem</i> , 2018 , 4, 833-844	16.2	144
117	Combining Nitrogen-Doped Graphene Sheets and MoS ₂ : A Unique Film-Foam-Film Structure for Enhanced Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12783-8	16.4	144
116	Facile Synthesis of MoS ₂ /Reduced Graphene Oxide@Polyaniline for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21373-80	9.5	143
115	Durable and Efficient Hollow Porous Oxide Spinel Microspheres for Oxygen Reduction. <i>Joule</i> , 2018 , 2, 337-348	27.8	138
114	Flexible nitrogen-doped graphene/SnO ₂ foams promise kinetically stable lithium storage. <i>Nano Energy</i> , 2015 , 13, 482-490	17.1	130
113	Nickel-Doped La _{0.8} Sr _{0.2} Mn(1-x)Ni(x)O ₃ Nanoparticles Containing Abundant Oxygen Vacancies as an Optimized Bifunctional Catalyst for Oxygen Cathode in Rechargeable Lithium-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6520-8	9.5	121
112	A Plastic-Crystal Electrolyte Interphase for All-Solid-State Sodium Batteries. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5541-5545	16.4	117
111	The Electrochemistry with Lithium versus Sodium of Selenium Confined To Slit Micropores in Carbon. <i>Nano Letters</i> , 2016 , 16, 4560-8	11.5	117
110	Photocatalytic CO ₂ reduction highly enhanced by oxygen vacancies on Pt-nanoparticle-dispersed gallium oxide. <i>Nano Research</i> , 2016 , 9, 1689-1700	10	115
109	NaMnZr(PO) ₄ : A High-Voltage Cathode for Sodium Batteries. <i>Journal of the American Chemical Society</i> , 2018 , 140, 18192-18199	16.4	115
108	High-safety lithium-sulfur battery with prelithiated Si/C anode and ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2013 , 91, 58-61	6.7	113
107	Materials Design for High-Safety Sodium-Ion Battery. <i>Advanced Energy Materials</i> , 2021 , 11, 2000974	21.8	112
106	Facile Synthesis of Mesoporous TiO ₂ Nanosphere as an Improved Anode Material for Superior High Rate 1.5 V Rechargeable Li Ion Batteries Containing LiFePO ₄ Cathode. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10308-10313	3.8	109
105	Low-cost and large-scale synthesis of alkaline earth metal germanate nanowires as a new class of lithium ion battery anode material. <i>Energy and Environmental Science</i> , 2012 , 5, 8007	35.4	106
104	Progress of rechargeable lithium metal batteries based on conversion reactions. <i>National Science Review</i> , 2017 , 4, 54-70	10.8	102
103	Rational design of Si@carbon with robust hierarchically porous custard-apple-like structure to boost lithium storage. <i>Nano Energy</i> , 2017 , 39, 253-261	17.1	100
102	Facile synthesis of germanium nanocrystals and their application in organic-inorganic hybrid photodetectors. <i>Advanced Materials</i> , 2011 , 23, 3704-7	24	94
101	Exceptional oxygen evolution reactivities on CaCoO and SrCoO. <i>Science Advances</i> , 2019 , 5, eaav6262	14.3	89

100	Porous Coconut Shell Carbon Offering High Retention and Deep Lithiation of Sulfur for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33855-33862	9.5	89
99	Preparation and li storage properties of hierarchical porous carbon fibers derived from alginic acid. <i>ChemSusChem</i> , 2010 , 3, 703-7	8.3	87
98	Encapsulation of Sulfur in a Hollow Porous Carbon Substrate for Superior Li-S Batteries with Long Lifespan. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 321-325	3.1	85
97	Improved kinetics of LiNi(1/3)Mn(1/3)Co(1/3)O ₂ cathode material through reduced graphene oxide networks. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2934-9	3.6	85
96	Enhanced Li ⁺ conductivity in PEO/BOB polymer electrolytes by using succinonitrile as a plasticizer. <i>Solid State Ionics</i> , 2011 , 186, 1-6	3.3	81
95	A Perovskite Electrolyte That Is Stable in Moist Air for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8587-8591	16.4	76
94	Insights into the Improved High-Voltage Performance of Li-Incorporated Layered Oxide Cathodes for Sodium-Ion Batteries. <i>CheM</i> , 2018 , 4, 2124-2139	16.2	76
93	Nitrogen-Doped Perovskite as a Bifunctional Cathode Catalyst for Rechargeable Lithium-Oxygen Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5543-5550	9.5	74
92	Polymer lithium-garnet interphase for an all-solid-state rechargeable battery. <i>Nano Energy</i> , 2018 , 53, 926-931	17.1	69
91	Building an Air Stable and Lithium Deposition Regulable Garnet Interface from Moderate-Temperature Conversion Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12069-12075	16.4	68
90	Copper germanate nanowire/reduced graphene oxide anode materials for high energy lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11404	13	67
89	Hybrid Polymer/Garnet Electrolyte with a Small Interfacial Resistance for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2017 , 129, 771-774	3.6	66
88	Wet chemical synthesis of Cu/TiO ₂ nanocomposites with integrated nano-current-collectors as high-rate anode materials in lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2014-2017	3.6	66
87	The 2021 battery technology roadmap. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 183001	3	63
86	Enhanced Visible-Light-Driven Photocatalytic H ₂ Evolution from Water on Noble-Metal-Free CdS-Nanoparticle-Dispersed Mo ₂ S ₃ Nanospheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5449-5456	8.3	62
85	Elastic Carbon Nanotube Aerogel Meets Tellurium Nanowires: A Binder- and Collector-Free Electrode for Li-Te Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 3580-3588	15.6	62
84	Atom-Thick Interlayer Made of CVD-Grown Graphene Film on Separator for Advanced Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43696-43703	9.5	62
83	Non-sacrificial template synthesis of Cr ₂ O ₃ @ hierarchical core/shell nanospheres and their application as anode materials in lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7565		62

82	Peptide Self-Assembled Biofilm with Unique Electron Transfer Flexibility for Highly Efficient Visible-Light-Driven Photocatalysis. <i>ACS Nano</i> , 2015 , 9, 11258-65	16.7	60
81	High-Efficiency Cathode Sodium Compensation for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2020 , 32, e2001419	24	60
80	Polyanthraquinone-Triazine-A Promising Anode Material for High-Energy Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37023-37030	9.5	56
79	Advances of polymer binders for silicon-based anodes in high energy density lithium-ion batteries. <i>Informa Mater</i> , 2021 , 3, 460-501	23.1	55
78	Room-Temperature Liquid Na-K Anode Membranes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14184-14187	16.4	52
77	Graphene Sandwiched by Sulfur-Confined Mesoporous Carbon Nanosheets: A Kinetically Stable Cathode for Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33704-33711	9.5	51
76	Electrocatalytic performances of g-C ₃ N ₄ -LaNiO ₃ composite as bi-functional catalysts for lithium-oxygen batteries. <i>Scientific Reports</i> , 2016 , 6, 24314	4.9	51
75	MnO ₂ nanorods supported on porous graphitic carbon nitride as efficient electrocatalysts for lithium-air batteries. <i>Journal of Power Sources</i> , 2018 , 392, 15-22	8.9	50
74	A novel polymer electrolyte with improved high-temperature-tolerance up to 170°C for high-temperature lithium-ion batteries. <i>Journal of Power Sources</i> , 2013 , 244, 234-239	8.9	50
73	An Advanced Selenium-Carbon Cathode for Rechargeable Lithium-Selenium Batteries. <i>Angewandte Chemie</i> , 2013 , 125, 8521-8525	3.6	47
72	Built-in Carbon Nanotube Network inside a Biomass-Derived Hierarchically Porous Carbon to Enhance the Performance of the Sulfur Cathode in a Li-S Battery. <i>ChemNanoMat</i> , 2016 , 2, 712-718	3.5	47
71	Conductive Carbon Network inside a Sulfur-Impregnated Carbon Sponge: A Bioinspired High-Performance Cathode for Li-S Battery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22261-9	9.5	47
70	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6585-6589	16.4	47
69	Selective CO Evolution from Photoreduction of CO on a Metal-Carbide-Based Composite Catalyst. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13071-13077	16.4	46
68	Graphitic Nanocarbon-Selenium Cathode with Favorable Rate Capability for Li-Se Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8759-8765	9.5	44
67	Bridging Interparticle Li Conduction in a Soft Ceramic Oxide Electrolyte. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5717-5726	16.4	44
66	Strategies for improving the storage performance of silicon-based anodes in lithium-ion batteries. <i>Nano Research</i> , 2019 , 12, 1739-1749	10	43
65	Methods for the Stabilization of Nanostructured Electrode Materials for Advanced Rechargeable Batteries. <i>Small Methods</i> , 2017 , 1, 1700094	12.8	42

64	A Rational Reconfiguration of Electrolyte for High-Energy and Long-Life Lithium-Chalcogen Batteries. <i>Advanced Materials</i> , 2020 , 32, e2000302	24	42
63	Combining Nitrogen-Doped Graphene Sheets and MoS ₂ : A Unique FilmFoamFilm Structure for Enhanced Lithium Storage. <i>Angewandte Chemie</i> , 2016 , 128, 12975-12980	3.6	41
62	A 3D Lithium/Carbon Fiber Anode with Sustained Electrolyte Contact for Solid-State Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1903325	21.8	40
61	Solidifying CathodeElectrolyte Interface for LithiumSulfur Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2000791	21.8	38
60	Carbon Nanofibers Decorated with Molybdenum Disulfide Nanosheets: Synergistic Lithium Storage and Enhanced Electrochemical Performance. <i>Angewandte Chemie</i> , 2014 , 126, 11736-11740	3.6	37
59	An integral interface with dynamically stable evolution on micron-sized SiO _x particle anode. <i>Nano Energy</i> , 2020 , 74, 104890	17.1	36
58	A High-Energy-Density Potassium Battery with a Polymer-Gel Electrolyte and a Polyaniline Cathode. <i>Angewandte Chemie</i> , 2018 , 130, 5547-5551	3.6	35
57	Short O-O separation in layered oxide NaCoO enables an ultrafast oxygen evolution reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23473-23479 ^{11.5}		35
56	General and Straightforward Synthetic Route to Phenolic Resin Gels Templated by Chitosan Networks. <i>Chemistry of Materials</i> , 2014 , 26, 6915-6918	9.6	34
55	The Origin of Superior Performance of Co(OH) ₂ in Hybrid Supercapacitors. <i>Chem</i> , 2017 , 3, 26-28	16.2	31
54	SnO ₂ hollow spheres: Polymer bead-templated hydrothermal synthesis and their electrochemical properties for lithium storage. <i>Science China Chemistry</i> , 2012 , 55, 1314-1318	7.9	30
53	Stabilizing PolymerLithium Interface in a Rechargeable Solid Battery. <i>Advanced Functional Materials</i> , 2020 , 30, 1908047	15.6	30
52	Formulating the Electrolyte Towards High-Energy and Safe Rechargeable Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16554-16560	16.4	30
51	Co ₃ O ₄ modified Ag/g-C ₃ N ₄ composite as a bifunctional cathode for lithium-oxygen battery. <i>Journal of Energy Chemistry</i> , 2020 , 41, 185-193	12	29
50	In-situ encapsulating flame-retardant phosphate into robust polymer matrix for safe and stable quasi-solid-state lithium metal batteries. <i>Energy Storage Materials</i> , 2021 , 39, 186-193	19.4	28
49	Enhanced working temperature of PEO-based polymer electrolyte via porous PTFE film as an efficient heat resister. <i>Solid State Ionics</i> , 2013 , 245-246, 1-7	3.3	26
48	Graphene-Wrapped Graphitic Carbon Hollow Spheres: Bioinspired Synthesis and Applications in Batteries and Supercapacitors. <i>ChemNanoMat</i> , 2016 , 2, 540-546	3.5	25
47	Facile synthesis of CuO nanochains as high-rate anode materials for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2019 , 43, 6535-6539	3.6	22

46	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 10119-10122	3.6	22
45	Facile Synthesis of Carbon-Coated Porous SbTe Nanoplates with High Alkali Metal Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29934-29940	9.5	22
44	Nanoparticles Engineering for Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 737-753	3.1	22
43	Boron-doped sodium layered oxide for reversible oxygen redox reaction in Na-ion battery cathodes. <i>Nature Communications</i> , 2021 , 12, 5267	17.4	21
42	Chalcogen cathode and its conversion electrochemistry in rechargeable Li/Na batteries. <i>Science China Chemistry</i> , 2020 , 63, 1402-1415	7.9	20
41	Stable Sodium Storage of Red Phosphorus Anode Enabled by a Dual-Protection Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30479-30486	9.5	18
40	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithium-Metal Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 6647-6651	3.6	17
39	Advanced Electrolytes Enabling Safe and Stable Rechargeable Li-Metal Batteries: Progress and Prospects. <i>Advanced Functional Materials</i> , 2105253	15.6	16
38	Carambola-shaped LiFePO ₄ /C nanocomposites: directing synthesis and enhanced Li storage properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 116-120	13	14
37	Building an Air Stable and Lithium Deposition Regulable Garnet Interface from Moderate-Temperature Conversion Chemistry. <i>Angewandte Chemie</i> , 2020 , 132, 12167-12173	3.6	14
36	An Inverse Aluminum Battery: Putting the Aluminum as the Cathode. <i>ACS Energy Letters</i> , 2017 , 2, 1534-1538	15.3	12
35	Green Growth Solid Electrolyte Interphase Layer with High Rebound Resilience for Long-Life Lithium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43200-43205	9.5	12
34	A facile strategy to reconcile 3D anodes and ceramic electrolytes for stable solid-state Li metal batteries. <i>Energy Storage Materials</i> , 2020 , 32, 458-464	19.4	12
33	Synthesis of nanostructured SnO ₂ /C microfibers with improved performances as anode material for Li-ion batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 2581-5	1.3	11
32	Revealing the Superiority of Fast Ion Conductor in Composite Electrolyte for Dendrite-Free Lithium-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22978-22986	9.5	10
31	Room-Temperature Liquid NaK Anode Membranes. <i>Angewandte Chemie</i> , 2018 , 130, 14380-14383	3.6	10
30	Electrode materials for lithium secondary batteries with high energy densities. <i>Scientia Sinica Chimica</i> , 2011 , 41, 1229-1239	1.6	7
29	Recent progress and design principles of nanocomposite solid electrolytes. <i>Current Opinion in Electrochemistry</i> , 2020 , 22, 195-202	7.2	6

28	Formulating the Electrolyte Towards High-Energy and Safe Rechargeable Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 16690-16696	3.6	6
27	Surface Reconstruction-Associated Partially Amorphized Bismuth Oxychloride for Boosted Photocatalytic Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5088-5098	9.5	6
26	Highly Selective Synthesis of Monolayer or Bilayer WSe ₂ Single Crystals by Pre-annealing the Solid Precursor. <i>Chemistry of Materials</i> , 2021 , 33, 1307-1313	9.6	6
25	Designing Conjugated polypyrrene nanoflowers formed with meso- and microporous nanosheets for high-performance anode of potassium ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 132704	14.7	6
24	Stable Lithium Storage in Nitrogen-Doped Carbon-Coated Ferric Oxide Yolk-Shell Nanospindles with Preserved Hollow Space. <i>ChemPlusChem</i> , 2018 , 83, 99-107	2.8	5
23	Carbon Nanostructures: Covalently Connected Carbon Nanostructures for Current Collectors in Both the Cathode and Anode of LiB Batteries (Adv. Mater. 41/2016). <i>Advanced Materials</i> , 2016 , 28, 9016-9016	34.16	5
22	A Perovskite Electrolyte That Is Stable in Moist Air for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2018 , 130, 8723-8727	3.6	5
21	Supercapacitor-battery hybrid energy storage devices from an aqueous nitroxide radical active material. <i>Science Bulletin</i> , 2011 , 56, 2433-2436		5
20	A Universal Strategy toward Air-Stable and High-Rate O ₃ Layered Oxide Cathodes for Na-Ion Batteries. <i>Advanced Functional Materials</i> , 2111466	15.6	5
19	Competitive Doping Chemistry for Nickel-Rich Layered Oxide Cathode Materials.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	5
18	Insights into the pre-oxidation process of phenolic resin-based hard carbon for sodium storage. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3911-3917	7.8	5
17	Unraveling the Synergistic Coupling Mechanism of Li ⁺ Transport in an Ionogel-in-Ceramic Hybrid Solid Electrolyte for Rechargeable Lithium Metal Battery. <i>Advanced Functional Materials</i> , 2108706	15.6	4
16	Air-stability of sodium-based layered-oxide cathode materials. <i>Science China Chemistry</i> , 2022 , 65, 1076-1087	19.7	4
15	Prussian-blue materials: Revealing new opportunities for rechargeable batteries. <i>Informa Materilly</i> ,	23.1	3
14	Batteries: A High-Energy Room-Temperature Sodium-Sulfur Battery (Adv. Mater. 8/2014). <i>Advanced Materials</i> , 2014 , 26, 1308-1308	24	2
13	MoC Electrocatalysts for Kinetically Boosting Polysulfide Conversion in Quasi-Solid-State Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 45651-45660	9.5	2
12	Insights into the nitride-regulated processes at the electrolyte/electrode interface in quasi-solid-state lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2021 , 67, 780-780	12	1
11	Stabilizing the Electrochemistry of Lithium-Selenium Battery via In situ Gelated Polymer Electrolyte: A Look from Anode. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 298-303	2.2	1

10	Two-Dimensional Boron and Nitrogen Dual-Doped Graphitic Carbon as an Efficient Metal-Free Cathodic Electrocatalyst for Lithium-Air Batteries. <i>ChemElectroChem</i> , 2021 , 8, 949-956	4.3	1
9	Constructing a stable interface between the sulfide electrolyte and the Li metal anode via a Li ⁺ -conductive gel polymer interlayer. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5328-5335	7.8	1
8	Boron-doped three-dimensional MXene host for durable lithium-metal anode. <i>Rare Metals</i> , 2021 , 1, 1-10	5.5	0
7	Fullerene-Derivative C ₆₀ -(OLi) _n Modified Separators toward Stable Wide-Temperature Lithium Metal Batteries. <i>Chemical Engineering Journal</i> , 2022 , 137207	14.7	0
6	Introduction to Electrochemical Energy Storage 2019 , 1-28		
5	Charge Transfer and Storage of an Electrochemical Cell and Its Nano Effects 2019 , 29-87		
4	Batteries: Encapsulation of Sulfur in a Hollow Porous Carbon Substrate for Superior Li-S Batteries with Long Lifespan (Part. Part. Syst. Charact. 4/2013). <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 392-392	3.1	
3	Hierarchically Nanostructured Electrode Materials for Lithium-Ion Batteries 2011 , 237-266		
2	Binder/Collector-Free Te Cathodes: Elastic Carbon Nanotube Aerogel Meets Tellurium Nanowires: A Binder- and Collector-Free Electrode for Li-Te Batteries (Adv. Funct. Mater. 21/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 3747-3747	15.6	
1	koLayered Oxide Cathode-Electrolyte Interface towards Na-Ion Batteries: Advances and Perspectives.. <i>Chemistry - an Asian Journal</i> , 2022 , e202200213	4.5	