

Wei Luo

List of Publications by Year in descending order

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papers

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157
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21600
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#	ARTICLE	IF	CITATIONS
1	Carbon Electrodes for K-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2015, 137, 11566-11569.	6.6	1,559
2	Wood-Derived Materials for Green Electronics, Biological Devices, and Energy Applications. <i>Chemical Reviews</i> , 2016, 116, 9305-9374.	23.0	1,110
3	Na-Ion Battery Anodes: Materials and Electrochemistry. <i>Accounts of Chemical Research</i> , 2016, 49, 231-240.	7.6	886
4	Potassium Ion Batteries with Graphitic Materials. <i>Nano Letters</i> , 2015, 15, 7671-7677.	4.5	805
5	Reconstruction of Conformal Nanoscale MnO on Graphene as a High-Capacity and Long-Life Anode Material for Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2013, 23, 2436-2444.	7.8	770
6	Promises, Challenges, and Recent Progress of Inorganic Solid-State Electrolytes for All-Solid-State Lithium Batteries. <i>Advanced Materials</i> , 2018, 30, e1705702.	11.1	743
7	Plasmonic Wood for High-Efficiency Solar Steam Generation. <i>Advanced Energy Materials</i> , 2018, 8, 1701028.	10.2	701
8	Toward garnet electrolyte-based Li metal batteries: An ultrathin, highly effective, artificial solid-state electrolyte/metallic Li interface. <i>Science Advances</i> , 2017, 3, e1601659.	4.7	647
9	Self-Assembled Hierarchical MoO ₂ /Graphene Nanoarchitectures and Their Application as a High-Performance Anode Material for Lithium-Ion Batteries. <i>ACS Nano</i> , 2011, 5, 7100-7107.	7.3	611
10	Conformal, Nanoscale ZnO Surface Modification of Garnet-Based Solid-State Electrolyte for Lithium Metal Anodes. <i>Nano Letters</i> , 2017, 17, 565-571.	4.5	556
11	Transition from Superlithiophobicity to Superlithiophilicity of Garnet Solid-State Electrolyte. <i>Journal of the American Chemical Society</i> , 2016, 138, 12258-12262.	6.6	548
12	Highly Anisotropic, Highly Transparent Wood Composites. <i>Advanced Materials</i> , 2016, 28, 5181-5187.	11.1	518
13	Reducing Interfacial Resistance between Garnet-Structured Solid-State Electrolyte and Li-Metal Anode by a Germanium Layer. <i>Advanced Materials</i> , 2017, 29, 1606042.	11.1	512
14	3D-Printed, All-in-One Evaporator for High-Efficiency Solar Steam Generation under 1 Sun Illumination. <i>Advanced Materials</i> , 2017, 29, 1700981.	11.1	511
15	High-capacity, low-tortuosity, and channel-guided lithium metal anode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3584-3589.	3.3	412
16	Organic electrode for non-aqueous potassium-ion batteries. <i>Nano Energy</i> , 2015, 18, 205-211.	8.2	397
17	Wood-Based Nanotechnologies toward Sustainability. <i>Advanced Materials</i> , 2018, 30, 1703453.	11.1	359
18	Surface and Interface Engineering of Silicon-Based Anode Materials for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1701083.	10.2	354

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19	An Organic Pigment as a High-Performance Cathode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014, 4, 1400554.	10.2	339
20	Carbon nanofibers derived from cellulose nanofibers as a long-life anode material for rechargeable sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10662.	5.2	337
21	Sodium/Potassium-Ion Batteries: Boosting the Rate Capability and Cycle Life by Combining Morphology, Defect and Structure Engineering. <i>Advanced Materials</i> , 2020, 32, e1904320.	11.1	335
22	Ultrafine core-shell BaTiO ₃ @SiO ₂ structures for nanocomposite capacitors with high energy density. <i>Nano Energy</i> , 2018, 51, 513-523.	8.2	332
23	Electrospun porous ZnCo ₂ O ₄ nanotubes as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 8916.	6.7	328
24	A Thermally Conductive Separator for Stable Li Metal Anodes. <i>Nano Letters</i> , 2015, 15, 6149-6154.	4.5	313
25	Ultrathin Surface Coating Enables the Stable Sodium Metal Anode. <i>Advanced Energy Materials</i> , 2017, 7, 1601526.	10.2	312
26	Pyrolysis of Cellulose under Ammonia Leads to Nitrogen-Doped Nanoporous Carbon Generated through Methane Formation. <i>Nano Letters</i> , 2014, 14, 2225-2229.	4.5	297
27	Predicting capacity of hard carbon anodes in sodium-ion batteries using porosity measurements. <i>Carbon</i> , 2014, 76, 165-174.	5.4	279
28	Ultra-Thick, Low-Tortuosity, and Mesoporous Wood Carbon Anode for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1600377.	10.2	257
29	Flexible Membranes of MoS ₂ /C Nanofibers by Electrospinning as Binder-Free Anodes for High-Performance Sodium-Ion Batteries. <i>Scientific Reports</i> , 2015, 5, 9254.	1.6	255
30	Continuous plating/stripping behavior of solid-state lithium metal anode in a 3D ion-conductive framework. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3770-3775.	3.3	250
31	Morphosynthesis of a hierarchical MoO ₂ nanoarchitecture as a binder-free anode for lithium-ion batteries. <i>Energy and Environmental Science</i> , 2011, 4, 2870.	15.6	245
32	Encapsulation of Metallic Na in an Electrically Conductive Host with Porous Channels as a Highly Stable Na Metal Anode. <i>Nano Letters</i> , 2017, 17, 3792-3797.	4.5	243
33	Sodium metal anodes for room-temperature sodium-ion batteries: Applications, challenges and solutions. <i>Energy Storage Materials</i> , 2019, 16, 6-23.	9.5	243
34	Wood Composite as an Energy Efficient Building Material: Guided Sunlight Transmittance and Effective Thermal Insulation. <i>Advanced Energy Materials</i> , 2016, 6, 1601122.	10.2	228
35	Low-Surface-Area Hard Carbon Anode for Na-Ion Batteries via Graphene Oxide as a Dehydration Agent. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2626-2631.	4.0	226
36	Graphitic Carbon Nitride (g-C ₃ N ₄): An Interface Enabler for Solid-State Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3699-3704.	7.2	220

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37	Targeting JAK-STAT Signaling to Control Cytokine Release Syndrome in COVID-19. Trends in Pharmacological Sciences, 2020, 41, 531-543.	4.0	220
38	Electrode Materials of Sodium-Ion Batteries toward Practical Application. ACS Energy Letters, 2018, 3, 1604-1612.	8.8	214
39	Superior Cathode of Sodium-Ion Batteries: Orthorhombic V_2O_5 Nanoparticles Generated in Nanoporous Carbon by Ambient Hydrolysis Deposition. Nano Letters, 2014, 14, 4119-4124.	4.5	211
40	Highly Conductive, Lightweight, Low-Tortuosity Carbon Frameworks as Ultrathick 3D Current Collectors. Advanced Energy Materials, 2017, 7, 1700595.	10.2	210
41	Electrochemically Expandable Soft Carbon as Anodes for Na-Ion Batteries. ACS Central Science, 2015, 1, 516-522.	5.3	202
42	Anisotropic, Transparent Films with Aligned Cellulose Nanofibers. Advanced Materials, 2017, 29, 1606284.	11.1	202
43	A carbon-based 3D current collector with surface protection for Li metal anode. Nano Research, 2017, 10, 1356-1365.	5.8	200
44	Lithium-Graphite Paste: An Interface Compatible Anode for Solid-State Batteries. Advanced Materials, 2019, 31, e1807243.	11.1	197
45	3D Wettable Framework for Dendrite-Free Alkali Metal Anodes. Advanced Energy Materials, 2018, 8, 1800635.	10.2	196
46	Reduced Graphene Oxide Films with Ultrahigh Conductivity as Li-Ion Battery Current Collectors. Nano Letters, 2016, 16, 3616-3623.	4.5	187
47	Ultrafine MoO_2 nanoparticles embedded in a carbon matrix as a high-capacity and long-life anode for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 425-431.	6.7	175
48	Three-Dimensional, Solid-State Mixed Electron-Ion Conductive Framework for Lithium Metal Anode. Nano Letters, 2018, 18, 3926-3933.	4.5	175
49	Highly porous $Li_4Ti_5O_{12}/C$ nanofibers for ultrafast electrochemical energy storage. Nano Energy, 2014, 10, 163-171.	8.2	165
50	Controlled Synthesis of Mesoporous MnO/C Networks by Microwave Irradiation and Their Enhanced Lithium-Storage Properties. ACS Applied Materials & Interfaces, 2013, 5, 1997-2003.	4.0	162
51	Solution Processed Boron Nitride Nanosheets: Synthesis, Assemblies and Emerging Applications. Advanced Functional Materials, 2017, 27, 1701450.	7.8	160
52	Low temperature carbonization of cellulose nanocrystals for high performance carbon anode of sodium-ion batteries. Nano Energy, 2017, 33, 37-44.	8.2	159
53	Ultrathin $CoO/Graphene$ Hybrid Nanosheets: A Highly Stable Anode Material for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2012, 116, 20794-20799.	1.5	154
54	Enabling High-Areal-Capacity Lithium-Sulfur Batteries: Designing Anisotropic and Low-Tortuosity Porous Architectures. ACS Nano, 2017, 11, 4801-4807.	7.3	151

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55	Porous carbon-modified MnO disks prepared by a microwave-polyol process and their superior lithium-ion storage properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 19190.	6.7	150
56	Holey Graphene Nanomanufacturing: Structure, Composition, and Electrochemical Properties. <i>Advanced Functional Materials</i> , 2015, 25, 2920-2927.	7.8	150
57	Carbonized-leaf Membrane with Anisotropic Surfaces for Sodium-ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2204-2210.	4.0	146
58	Critical effects of electrolyte recipes for Li and Na metal batteries. <i>CheM</i> , 2021, 7, 2312-2346.	5.8	144
59	A perylene anhydride crystal as a reversible electrode for K-ion batteries. <i>Energy Storage Materials</i> , 2016, 2, 63-68.	9.5	141
60	Mg-pillared LiCoO ₂ : Towards Stable Cycling at 4.6 V. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4682-4688.	7.2	135
61	Toward a Stable Sodium Metal Anode in Carbonate Electrolyte: A Compact, Inorganic Alloy Interface. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 707-714.	2.1	132
62	Encapsulation of MnO Nanocrystals in Electrospun Carbon Nanofibers as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Scientific Reports</i> , 2014, 4, 4229.	1.6	131
63	Layer-by-layer assembled MoO ₂ /graphene thin film as a high-capacity and binder-free anode for lithium-ion batteries. <i>Nanoscale</i> , 2012, 4, 4707.	2.8	127
64	Is graphite lithiophobic or lithiophilic?. <i>National Science Review</i> , 2020, 7, 1208-1217.	4.6	126
65	Efficient Fabrication of Nanoporous Si and Si/Ge Enabled by a Heat Scavenger in Magnesiothermic Reactions. <i>Scientific Reports</i> , 2013, 3, 2222.	1.6	125
66	Chemically Crushed Wood Cellulose Fiber towards High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23291-23296.	4.0	123
67	Highly Adhesive Li-BN Nanosheet Composite Anode with Excellent Interfacial Compatibility for Solid-State Li Metal Batteries. <i>ACS Nano</i> , 2019, 13, 14549-14556.	7.3	123
68	Direct Superassemblies of Freestanding Metal-Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. <i>Journal of the American Chemical Society</i> , 2016, 138, 16533-16541.	6.6	120
69	Bridging the immiscibility of an all-fluoride fire extinguishant with highly-fluorinated electrolytes toward safe sodium metal batteries. <i>Energy and Environmental Science</i> , 2020, 13, 1788-1798.	15.6	120
70	Self-assembled mesoporous CoO nanodisks as a long-life anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 13826.	6.7	119
71	Electrospinning of carbon-coated MoO ₂ nanofibers with enhanced lithium-storage properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16735.	1.3	113
72	All-in-one lithium-sulfur battery enabled by a porous-dense-porous garnet architecture. <i>Energy Storage Materials</i> , 2018, 15, 458-464.	9.5	108

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73	Reducing CO ₂ to dense nanoporous graphene by Mg/Zn for high power electrochemical capacitors. Nano Energy, 2015, 11, 600-610.	8.2	100
74	A self-regulated gradient interphase for dendrite-free solid-state Li batteries. Energy and Environmental Science, 2022, 15, 1325-1333.	15.6	98
75	Knocking down the kinetic barriers towards fast-charging and low-temperature sodium metal batteries. Energy and Environmental Science, 2021, 14, 4936-4947.	15.6	96
76	Reducing Interfacial Resistance by Na-SiO ₂ Composite Anode for NASICON-Based Solid-State Sodium Battery. , 2020, 2, 127-132.		84
77	Microwave-Induced In-Situ Synthesis of Zn ₂ GeO ₄ /N-Doped Graphene Nanocomposites and Their Lithium-Storage Properties. Chemistry - A European Journal, 2013, 19, 6027-6033.	1.7	83
78	Thermally conductive, dielectric PCMBoron nitride nanosheet composites for efficient electronic system thermal management. Nanoscale, 2016, 8, 19326-19333.	2.8	80
79	In Situ Transmission Electron Microscopy Observation of Sodiation/Desodiation in a Long Cycle, High-Capacity Reduced Graphene Oxide Sodium-Ion Battery Anode. Chemistry of Materials, 2016, 28, 6528-6535.	3.2	79
80	Enabling high rate performance of Ni-rich layered oxide cathode by uniform titanium doping. Materials Today Energy, 2019, 13, 145-151.	2.5	79
81	Tailoring Electrolyte Solvation Chemistry toward an Inorganic-Rich Solid-Electrolyte Interphase at a Li Metal Anode. ACS Energy Letters, 2021, 6, 2054-2063.	8.8	79
82	Transient Rechargeable Batteries Triggered by Cascade Reactions. Nano Letters, 2015, 15, 4664-4671.	4.5	77
83	Atomic-Layer-Deposition Functionalized Carbonized Mesoporous Wood Fiber for High Sulfur Loading Lithium Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 14801-14807.	4.0	77
84	Boosting the Reversibility of Sodium Metal Anode via Heteroatom-Doped Hollow Carbon Fibers. Small, 2019, 15, e1902688.	5.2	76
85	Enabling high-areal-capacity all-solid-state lithium-metal batteries by tri-layer electrolyte architectures. Energy Storage Materials, 2020, 24, 714-718.	9.5	74
86	Opportunities for High-Entropy Materials in Rechargeable Batteries. , 2021, 3, 160-170.		72
87	Rechargeable potassium-ion batteries enabled by potassium-iodine conversion chemistry. Energy Storage Materials, 2019, 16, 1-5.	9.5	71
88	Hollow 0.3Li ₂ MnO ₃ ·0.7LiNi _{0.5} Mn _{0.5} O ₂ microspheres as a high-performance cathode material for lithium-ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 2954.	1.3	70
89	Embedding a percolated dual-conductive skeleton with high sodiophilicity toward stable sodium metal anodes. Nano Energy, 2020, 69, 104387.	8.2	70
90	Charging sustainable batteries. Nature Sustainability, 2022, 5, 176-178.	11.5	70

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91	Fluoride-Rich Solid-Electrolyte-Interface Enabling Stable Sodium Metal Batteries in High-Safe Electrolytes. <i>Advanced Functional Materials</i> , 2021, 31, 2103522.	7.8	66
92	A stable nanoporous silicon anode prepared by modified magnesiothermic reactions. <i>Nano Energy</i> , 2016, 20, 68-75.	8.2	65
93	A flexible solar-blind 2D boron nitride nanopaper-based photodetector with high thermal resistance. <i>Npj 2D Materials and Applications</i> , 2018, 2, .	3.9	64
94	Highly Conductive, Light Weight, Robust, Corrosion-Resistant, Scalable, All-Fiber Based Current Collectors for Aqueous Acidic Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702615.	10.2	63
95	Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24715-24737.	5.2	61
96	Surface modification of electrospun TiO ₂ nanofibers via layer-by-layer self-assembly for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 4910.	6.7	60
97	Negative Temperature Coefficient Material with Low Thermal Constant and High Resistivity for Low-Temperature Thermistor Applications. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2682-2686.	1.9	53
98	Facile synthesis of one-dimensional peapod-like Sb@C submicron-structures. <i>Chemical Communications</i> , 2014, 50, 5435.	2.2	53
99	Thermally Conductive, Electrical Insulating, Optically Transparent Bi-Layer Nanopaper. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28838-28843.	4.0	53
100	A Solution-Processed High-Temperature, Flexible, Thin-Film Actuator. <i>Advanced Materials</i> , 2016, 28, 8618-8624.	11.1	53
101	Synthesis of Amorphous FeOOH/Reduced Graphene Oxide Composite by Infrared Irradiation and Its Superior Lithium Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10145-10150.	4.0	52
102	Epitaxial Welding of Carbon Nanotube Networks for Aqueous Battery Current Collectors. <i>ACS Nano</i> , 2018, 12, 5266-5273.	7.3	51
103	Hierarchical self-assembly of Mn ₂ Mo ₃ O ₈ graphene nanostructures and their enhanced lithium-storage properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 17229.	6.7	50
104	High temperature thermal management with boron nitride nanosheets. <i>Nanoscale</i> , 2018, 10, 167-173.	2.8	48
105	All-Component Transient Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1502496.	10.2	47
106	Mg-Pillared LiCoO ₂ : Towards Stable Cycling at 4.6 V. <i>Angewandte Chemie</i> , 2021, 133, 4732-4738.	1.6	47
107	Improved Electrochemical Performance in Li ₃ V ₂ (PO ₄) ₃ Promoted by Niobium-Incorporation. <i>Journal of the Electrochemical Society</i> , 2011, 158, A924.	1.3	46
108	Sodium-Ion Intercalated Transparent Conductors with Printed Reduced Graphene Oxide Networks. <i>Nano Letters</i> , 2015, 15, 3763-3769.	4.5	46

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109	Na Metal Anode: "Holy Grail" for Room-Temperature Na-Ion Batteries?. ACS Central Science, 2015, 1, 420-422.	5.3	46
110	Enabling Anionic Redox Stability of $P2Na_{5/6}Li_{1/4}Mn_{3/4}O_2$ by Mg Substitution. Advanced Materials, 2022, 34, e2105404.	11.1	46
111	A writable lithium metal ink. Science China Chemistry, 2020, 63, 1483-1489.	4.2	45
112	Shaping the Contact between Li Metal Anode and Solid-State Electrolytes. Advanced Functional Materials, 2020, 30, 1908701.	7.8	44
113	Electrospun Conformal $Li_4Ti_5O_{12}/C$ Fibers for High-Rate Lithium-Ion Batteries. ChemElectroChem, 2014, 1, 611-616.	1.7	43
114	Facile synthesis of mesoporous $0.4Li_2MnO_3 \cdot 0.6LiNi_{1/3}Mn_{2/3}O_2$ foams with superior performance for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 14964.	6.7	42
115	Fast Li-ion Conductor of Li_3HoBr_6 for Stable All-Solid-State Lithium-Sulfur Battery. Nano Letters, 2021, 21, 9325-9331.	4.5	41
116	Self-assembly of hybrid $Fe_2Mo_3O_8$ -reduced graphene oxide nanosheets with enhanced lithium storage properties. Journal of Materials Chemistry A, 2013, 1, 4468.	5.2	40
117	Electrospun porous $LiNb_3O_8$ nanofibers with enhanced lithium-storage properties. Journal of Materials Chemistry A, 2013, 1, 15053.	5.2	39
118	Toward High Temperature Sodium Metal Batteries via Regulating the Electrolyte/Electrode Interfacial Chemistries. ACS Energy Letters, 2022, 7, 2032-2042.	8.8	37
119	All-Solid-State Batteries: Promises, Challenges, and Recent Progress of Inorganic Solid-State Electrolytes for All-Solid-State Lithium Batteries (Adv. Mater. 17/2018). Advanced Materials, 2018, 30, 1870122.	11.1	36
120	Laminar shear stress delivers cell cycle arrest and anti-apoptosis to mesenchymal stem cells. Acta Biochimica Et Biophysica Sinica, 2011, 43, 210-216.	0.9	35
121	Lithium Metal-Based Composite: An Emerging Material for Next-Generation Batteries. Matter, 2020, 3, 1009-1030.	5.0	35
122	A lithium-MXene composite anode with high specific capacity and low interfacial resistance for solid-state batteries. Energy Storage Materials, 2022, 45, 934-940.	9.5	34
123	Targeted Surface Doping with Reversible Local Environment Improves Oxygen Stability at the Electrochemical Interfaces of Nickel-Rich Cathode Materials. ACS Applied Materials & Interfaces, 2019, 11, 37885-37891.	4.0	33
124	Stable Interface between Lithium and Electrolyte Facilitated by a Nanocomposite Protective Layer. Small Methods, 2020, 4, 1900751.	4.6	33
125	Chitosan Derived Carbon Matrix Encapsulated Cu_2 Nanoparticles for Sodium-Ion Storage. ACS Applied Materials & Interfaces, 2019, 11, 12415-12420.	4.0	32
126	Graphitic Carbon Nitride ($g-C_3N_4$): An Interface Enabler for Solid-State Lithium Metal Batteries. Angewandte Chemie, 2020, 132, 3728-3733.	1.6	32

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127	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. <i>Advanced Science</i> , 2021, 8, e2102859.	5.6	32
128	Evaluating Interfacial Stability in Solid-State Pouch Cells via Ultrasonic Imaging. <i>ACS Energy Letters</i> , 2022, 7, 650-658.	8.8	32
129	TiO ₂ Nanofiber-Modified Lithium Metal Composite Anode for Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28398-28404.	4.0	31
130	Atomic layer deposition of core-shell structured V ₂ O ₅ @CNT sponge as cathode for potassium ion batteries. <i>Journal of Materiomics</i> , 2019, 5, 344-349.	2.8	27
131	Sandwich-structured polymer nanocomposites with Ba _{0.6} Sr _{0.4} TiO ₃ nanofibers networks as mediate layer inducing enhanced energy storage density. <i>Composites Science and Technology</i> , 2021, 204, 108628.	3.8	26
132	High-Voltage All-Solid-State Na-Ion-Based Full Cells Enabled by All NASICON-Structured Materials. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24192-24197.	4.0	25
133	Production of graphene by reduction using a magnesiothermic reaction. <i>Chemical Communications</i> , 2013, 49, 10676.	2.2	23
134	Deciphering the Role of Fluoroethylene Carbonate towards Highly Reversible Sodium Metal Anodes. <i>Research</i> , 2022, 2022, 9754612.	2.8	23
135	Multiple Ambient Hydrolysis Deposition of Tin Oxide into Nanoporous Carbon To Give a Stable Anode for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2014, 20, 7686-7691.	1.7	22
136	Activate metallic copper as high-capacity cathode for lithium-ion batteries via nanocomposite technology. <i>Nano Energy</i> , 2018, 54, 59-65.	8.2	22
137	Gram-Scale Synthesis of Nanosized Li ₃ HoBr ₆ Solid Electrolyte for All-Solid-State Li-Se Battery. <i>Small Methods</i> , 2021, 5, e2101002.	4.6	22
138	Differentiation of mesenchymal stem cells towards a nucleus pulposus-like phenotype utilizing simulated microgravity In vitro. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2011, 31, 199-203.	1.0	21
139	Ambient hydrolysis deposition of TiO ₂ in nanoporous carbon and the converted TiN-carbon capacitive electrode. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2901.	5.2	19
140	Achieving the Stable Structure and Superior Performance of Na ₃ V ₂ (PO ₄) ₂ O ₂ F Cathodes via Na-Site Regulation. <i>ACS Applied Energy Materials</i> , 2020, 3, 7649-7658.	2.5	18
141	Facile Approach for Synthesizing High-Performance MnO/C Electrodes from Rice Husk. <i>ACS Omega</i> , 2019, 4, 18908-18917.	1.6	17
142	B-incorporated, N-doped hierarchically porous carbon nanosheets as anodes for boosted potassium storage capability. <i>Chinese Chemical Letters</i> , 2022, 33, 480-485.	4.8	15
143	Implanting a Fire-Extinguishing Alkyl in Sodium Metal Battery Electrolytes via a Functional Molecule. <i>Advanced Functional Materials</i> , 2022, 32, 2109378.	7.8	15
144	Tailoring Disordered/Ordered Phases to Revisit the Degradation Mechanism of High-Voltage LiNi _{0.5} Mn _{1.5} O ₄ Spinel Cathode Materials. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	13

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145	Clinical Applications of Liquid Biopsy in Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2022, 12, 781820.	1.3	12
146	Diffusion of LLPS Droplets Consisting of Poly(PR) Dipeptide Repeats and RNA on Chemically Modified Glass Surface. <i>Langmuir</i> , 2021, 37, 5635-5641.	1.6	11
147	Copper fluoride as a low-cost sodium-ion battery cathode with high capacity. <i>Chinese Chemical Letters</i> , 2022, 33, 1435-1438.	4.8	10
148	Ingestible, Biofriendly, and Flexible Flour-Based Humidity Sensors with a Wide Sensing Range. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2798-2806.	2.0	9
149	Catalyst-Free <i>In Situ</i> Carbon Nanotube Growth in Confined Space <i>via</i> High Temperature Gradient. <i>Research</i> , 2018, 2018, 1793784.	2.8	7
150	Protection of boron nitride nanosheets by atomic layer deposition toward thermal energy management applications. <i>Nano Energy</i> , 2017, 40, 149-154.	8.2	5
151	<i>De novo</i> designed peptides form a highly catalytic ordered nanoarchitecture on a graphite surface. <i>Nanoscale</i> , 2022, 14, 8326-8331.	2.8	4
152	Osteogenic potentials of osteophytes in the cervical spine compared with patient matched bone marrow stromal cells. <i>Indian Journal of Orthopaedics</i> , 2013, 47, 565.	0.5	1
153	Nanocomposite Coatings: Stable Interface between Lithium and Electrolyte Facilitated by a Nanocomposite Protective Layer (<i>Small Methods</i> 3/2020). <i>Small Methods</i> , 2020, 4, 2070014.	4.6	1
154	Aqueous Ferrous Chloride as a Low-Cost Corrosive to Deal with Spent Coin-Type Cells. <i>Energy & Fuels</i> , 2021, 35, 14122-14129.	2.5	0