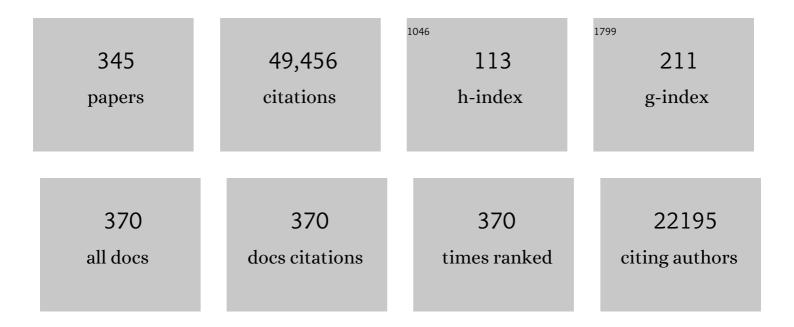
List of Publications by Year in descending order

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ΙΙΑ-ΟΙ ΗΠΑΝΟ

#	Article	IF	CITATIONS
1	Review on High‣oading and Highâ€Energy Lithium–Sulfur Batteries. Advanced Energy Materials, 2017, 7, 1700260.	19.5	1,307
2	Powering Lithium–Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. Nano Letters, 2016, 16, 519-527.	9.1	1,294
3	Nanostructured Metal Oxides and Sulfides for Lithium–Sulfur Batteries. Advanced Materials, 2017, 29, 1601759.	21.0	1,197
4	Dendriteâ€Free Lithium Deposition Induced by Uniformly Distributed Lithium Ions for Efficient Lithium Metal Batteries. Advanced Materials, 2016, 28, 2888-2895.	21.0	877
5	Permselective Graphene Oxide Membrane for Highly Stable and Anti-Self-Discharge Lithium–Sulfur Batteries. ACS Nano, 2015, 9, 3002-3011.	14.6	723
6	An anion-immobilized composite electrolyte for dendrite-free lithium metal anodes. Proceedings of the United States of America, 2017, 114, 11069-11074.	7.1	710
7	A review of rechargeable batteries for portable electronic devices. InformaÄnÃ-Materiály, 2019, 1, 6-32.	17.3	694
8	Design Principles for Heteroatom-Doped Nanocarbon to Achieve Strong Anchoring of Polysulfides for Lithium-Sulfur Batteries. Small, 2016, 12, 3283-3291.	10.0	661
9	Ionic shield for polysulfides towards highly-stable lithium–sulfur batteries. Energy and Environmental Science, 2014, 7, 347-353.	30.8	624
10	The Road for Nanomaterials Industry: A Review of Carbon Nanotube Production, Postâ€īreatment, and Bulk Applications for Composites and Energy Storage. Small, 2013, 9, 1237-1265.	10.0	617
11	Unstacked double-layer templated graphene for high-rate lithium–sulphur batteries. Nature Communications, 2014, 5, 3410.	12.8	602
12	Highly Stable Lithium Metal Batteries Enabled by Regulating the Solvation of Lithium Ions in Nonaqueous Electrolytes. Angewandte Chemie - International Edition, 2018, 57, 5301-5305.	13.8	601
13	Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth. Advanced Materials, 2016, 28, 2155-2162.	21.0	591
14	Multi-functional separator/interlayer system for high-stable lithium-sulfur batteries: Progress and prospects. Energy Storage Materials, 2015, 1, 127-145.	18.0	581
15	A review of flexible lithium–sulfur and analogous alkali metal–chalcogen rechargeable batteries. Chemical Society Reviews, 2017, 46, 5237-5288.	38.1	572
16	Nitrogenâ€Doped Graphene/Carbon Nanotube Hybrids: In Situ Formation on Bifunctional Catalysts and Their Superior Electrocatalytic Activity for Oxygen Evolution/Reduction Reaction. Small, 2014, 10, 2251-2259.	10.0	571
17	Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithium–Sulfur Batteries. Angewandte Chemie - International Edition, 2016, 55, 12990-12995.	13.8	560
18	Hierarchical Nanocomposites Derived from Nanocarbons and Layered Double Hydroxides ―Properties, Synthesis, and Applications. Advanced Functional Materials, 2012, 22, 675-694.	14.9	537

#	Article	IF	CITATIONS
19	Nitrogenâ€Doped Aligned Carbon Nanotube/Graphene Sandwiches: Facile Catalytic Growth on Bifunctional Natural Catalysts and Their Applications as Scaffolds for Highâ€Rate Lithiumâ€Sulfur Batteries. Advanced Materials, 2014, 26, 6100-6105.	21.0	534
20	A Cooperative Interface for Highly Efficient Lithium–Sulfur Batteries. Advanced Materials, 2016, 28, 9551-9558.	21.0	514
21	Graphene/Single-Walled Carbon Nanotube Hybrids: One-Step Catalytic Growth and Applications for High-Rate Li–S Batteries. ACS Nano, 2012, 6, 10759-10769.	14.6	508
22	Artificial Interphases for Highly Stable Lithium Metal Anode. Matter, 2019, 1, 317-344.	10.0	508
23	Conductive and Catalytic Tripleâ€Phase Interfaces Enabling Uniform Nucleation in Highâ€Rate Lithium–Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1802768.	19.5	508
24	Nanoarchitectured Graphene/CNT@Porous Carbon with Extraordinary Electrical Conductivity and Interconnected Micro/Mesopores for Lithiumâ€Sulfur Batteries. Advanced Functional Materials, 2014, 24, 2772-2781.	14.9	495
25	Hierarchical Freeâ€Standing Carbonâ€Nanotube Paper Electrodes with Ultrahigh Sulfur‣oading for Lithium–Sulfur Batteries. Advanced Functional Materials, 2014, 24, 6105-6112.	14.9	476
26	Implantable Solid Electrolyte Interphase in Lithium-Metal Batteries. CheM, 2017, 2, 258-270.	11.7	474
27	Artificial Soft–Rigid Protective Layer for Dendriteâ€Free Lithium Metal Anode. Advanced Functional Materials, 2018, 28, 1705838.	14.9	470
28	Direct Growth of Graphene/Hexagonal Boron Nitride Stacked Layers. Nano Letters, 2011, 11, 2032-2037.	9.1	466
29	A Perspective toward Practical Lithium–Sulfur Batteries. ACS Central Science, 2020, 6, 1095-1104.	11.3	442
30	Lithium Bond Chemistry in Lithium–Sulfur Batteries. Angewandte Chemie - International Edition, 2017, 56, 8178-8182.	13.8	439
31	Regulating the Inner Helmholtz Plane for Stable Solid Electrolyte Interphase on Lithium Metal Anodes. Journal of the American Chemical Society, 2019, 141, 9422-9429.	13.7	429
32	Lithium–Sulfur Batteries under Lean Electrolyte Conditions: Challenges and Opportunities. Angewandte Chemie - International Edition, 2020, 59, 12636-12652.	13.8	425
33	Beyond lithium ion batteries: Higher energy density battery systems based on lithium metal anodes. Energy Storage Materials, 2018, 12, 161-175.	18.0	422
34	Lithium Nitrate Solvation Chemistry in Carbonate Electrolyte Sustains Highâ€Voltage Lithium Metal Batteries. Angewandte Chemie - International Edition, 2018, 57, 14055-14059.	13.8	410
35	Dualâ€Layered Film Protected Lithium Metal Anode to Enable Dendriteâ€Free Lithium Deposition. Advanced Materials, 2018, 30, e1707629.	21.0	378
36	Regulating Interfacial Chemistry in Lithiumâ€ŀon Batteries by a Weakly Solvating Electrolyte**. Angewandte Chemie - International Edition, 2021, 60, 4090-4097.	13.8	373

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37	Aligned carbon nanotube/sulfur composite cathodes with high sulfur content for lithium–sulfur batteries. Nano Energy, 2014, 4, 65-72.	16.0	366
38	Strongly Coupled Interfaces between a Heterogeneous Carbon Host and a Sulfurâ€Containing Guest for Highly Stable Lithiumâ€Sulfur Batteries: Mechanistic Insight into Capacity Degradation. Advanced Materials Interfaces, 2014, 1, 1400227.	3.7	351
39	An Armored Mixed Conductor Interphase on a Dendriteâ€Free Lithiumâ€Metal Anode. Advanced Materials, 2018, 30, e1804461.	21.0	338
40	Toward Full Exposure of "Active Sites― Nanocarbon Electrocatalyst with Surface Enriched Nitrogen for Superior Oxygen Reduction and Evolution Reactivity. Advanced Functional Materials, 2014, 24, 5956-5961.	14.9	332
41	Carbon Nanotube Mass Production: Principles and Processes. ChemSusChem, 2011, 4, 864-889.	6.8	329
42	The gap between long lifespan Li-S coin and pouch cells: The importance of lithium metal anode protection. Energy Storage Materials, 2017, 6, 18-25.	18.0	325
43	A Review of Functional Binders in Lithium–Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1802107.	19.5	324
44	Regulating Anions in the Solvation Sheath of Lithium Ions for Stable Lithium Metal Batteries. ACS Energy Letters, 2019, 4, 411-416.	17.4	323
45	A review on energy chemistry of fast-charging anodes. Chemical Society Reviews, 2020, 49, 3806-3833.	38.1	323
46	Controlling Dendrite Growth in Solid-State Electrolytes. ACS Energy Letters, 2020, 5, 833-843.	17.4	322
47	Rational Integration of Polypropylene/Graphene Oxide/Nafion as Ternary‣ayered Separator to Retard the Shuttle of Polysulfides for Lithium–Sulfur Batteries. Small, 2016, 12, 381-389.	10.0	315
48	Implanting Atomic Cobalt within Mesoporous Carbon toward Highly Stable Lithium–Sulfur Batteries. Advanced Materials, 2019, 31, e1903813.	21.0	310
49	Dual-Phase Lithium Metal Anode Containing a Polysulfide-Induced Solid Electrolyte Interphase and Nanostructured Graphene Framework for Lithium–Sulfur Batteries. ACS Nano, 2015, 9, 6373-6382.	14.6	297
50	Activating Inert Metallic Compounds for Highâ€Rate Lithium–Sulfur Batteries Through In Situ Etching of Extrinsic Metal. Angewandte Chemie - International Edition, 2019, 58, 3779-3783.	13.8	296
51	Janus Separator of Polypropyleneâ€Supported Cellular Graphene Framework for Sulfur Cathodes with High Utilization in Lithium–Sulfur Batteries. Advanced Science, 2016, 3, 1500268.	11.2	294
52	Annealing a graphene oxide film to produce a free standing high conductive graphene film. Carbon, 2012, 50, 659-667.	10.3	287
53	Rational design of two-dimensional nanomaterials for lithium–sulfur batteries. Energy and Environmental Science, 2020, 13, 1049-1075.	30.8	285
54	Fast Charging Lithium Batteries: Recent Progress and Future Prospects. Small, 2019, 15, e1805389.	10.0	277

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55	A Bifunctional Perovskite Promoter for Polysulfide Regulation toward Stable Lithium–Sulfur Batteries. Advanced Materials, 2018, 30, 1705219.	21.0	276
56	Lithiophilic LiC ₆ Layers on Carbon Hosts Enabling Stable Li Metal Anode in Working Batteries. Advanced Materials, 2019, 31, e1807131.	21.0	273
57	An Analogous Periodic Law for Strong Anchoring of Polysulfides on Polar Hosts in Lithium Sulfur Batteries: S- or Li-Binding on First-Row Transition-Metal Sulfides?. ACS Energy Letters, 2017, 2, 795-801.	17.4	264
58	Expediting redox kinetics of sulfur species by atomicâ€scale electrocatalysts in lithium–sulfur batteries. InformaÄnÃ-Materiály, 2019, 1, 533-541.	17.3	261
59	Heterogeneous/Homogeneous Mediators for Highâ€Energyâ€Density Lithium–Sulfur Batteries: Progress and Prospects. Advanced Functional Materials, 2018, 28, 1707536.	14.9	251
60	Toward Critical Electrode/Electrolyte Interfaces in Rechargeable Batteries. Advanced Functional Materials, 2020, 30, 1909887.	14.9	251
61	Critical Current Density in Solidâ€6tate Lithium Metal Batteries: Mechanism, Influences, and Strategies. Advanced Functional Materials, 2021, 31, 2009925.	14.9	239
62	Inhibiting Solvent Coâ€Intercalation in a Graphite Anode by a Localized Highâ€Concentration Electrolyte in Fastâ€Charging Batteries. Angewandte Chemie - International Edition, 2021, 60, 3402-3406.	13.8	238
63	Li 2 S 5 -based ternary-salt electrolyte for robust lithium metal anode. Energy Storage Materials, 2016, 3, 77-84.	18.0	236
64	Entrapment of sulfur in hierarchical porous graphene for lithium–sulfur batteries with high rate performance from â^'40 to 60°C. Nano Energy, 2013, 2, 314-321.	16.0	230
65	A Toolbox for Lithium–Sulfur Battery Research: Methods and Protocols. Small Methods, 2017, 1, 1700134.	8.6	230
66	Review—Li Metal Anode in Working Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2018, 165, A6058-A6072.	2.9	227
67	Dualâ€₽hase Singleâ€Ion Pathway Interfaces for Robust Lithium Metal in Working Batteries. Advanced Materials, 2019, 31, e1808392.	21.0	224
68	Lithium metal protection through in-situ formed solid electrolyte interphase in lithium-sulfur batteries: The role of polysulfides on lithium anode. Journal of Power Sources, 2016, 327, 212-220.	7.8	222
69	A Sustainable Solid Electrolyte Interphase for Highâ€Energyâ€Density Lithium Metal Batteries Under Practical Conditions. Angewandte Chemie - International Edition, 2020, 59, 3252-3257.	13.8	221
70	Lithium–matrix composite anode protected by a solid electrolyte layer for stable lithium metal batteries. Journal of Energy Chemistry, 2019, 37, 29-34.	12.9	219
71	3D Carbonaceous Current Collectors: The Origin of Enhanced Cycling Stability for High‣ulfur‣oading Lithium–Sulfur Batteries. Advanced Functional Materials, 2016, 26, 6351-6358.	14.9	216
72	Sulfurized solid electrolyte interphases with a rapid Li+ diffusion on dendrite-free Li metal anodes. Energy Storage Materials, 2018, 10, 199-205.	18.0	215

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73	Porphyrinâ€Đerived Grapheneâ€Based Nanosheets Enabling Strong Polysulfide Chemisorption and Rapid Kinetics in Lithium–Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1800849.	19.5	211
74	A perspective on sustainable energy materials for lithium batteries. SusMat, 2021, 1, 38-50.	14.9	208
75	Ion–Solvent Complexes Promote Gas Evolution from Electrolytes on a Sodium Metal Anode. Angewandte Chemie - International Edition, 2018, 57, 734-737.	13.8	208
76	The timescale identification decoupling complicated kinetic processes in lithium batteries. Joule, 2022, 6, 1172-1198.	24.0	207
77	Columnar Lithium Metal Anodes. Angewandte Chemie - International Edition, 2017, 56, 14207-14211.	13.8	199
78	Liquid phase therapy to solid electrolyte–electrode interface in solid-state Li metal batteries: A review. Energy Storage Materials, 2020, 24, 75-84.	18.0	199
79	Healing High-Loading Sulfur Electrodes with Unprecedented Long Cycling Life: Spatial Heterogeneity Control. Journal of the American Chemical Society, 2017, 139, 8458-8466.	13.7	198
80	A compact inorganic layer for robust anode protection in lithiumâ€sulfur batteries. InformaÄnÃ- Materiály, 2020, 2, 379-388.	17.3	197
81	Advanced energy materials for flexible batteries in energy storage: A review. SmartMat, 2020, 1, .	10.7	186
82	A review on the failure and regulation of solid electrolyte interphase in lithium batteries. Journal of Energy Chemistry, 2021, 59, 306-319.	12.9	183
83	Advanced Electrode Materials in Lithium Batteries: Retrospect and Prospect. Energy Material Advances, 2021, 2021, .	11.0	179
84	Binder-free activated carbon/carbon nanotube paper electrodes for use in supercapacitors. Nano Research, 2011, 4, 870-881.	10.4	178
85	Embedded High Density Metal Nanoparticles with Extraordinary Thermal Stability Derived from Guestâ^'Host Mediated Layered Double Hydroxides. Journal of the American Chemical Society, 2010, 132, 14739-14741.	13.7	177
86	Redox Comediation with Organopolysulfides in Working Lithium-Sulfur Batteries. CheM, 2020, 6, 3297-3311.	11.7	177
87	Semi-Immobilized Molecular Electrocatalysts for High-Performance Lithium–Sulfur Batteries. Journal of the American Chemical Society, 2021, 143, 19865-19872.	13.7	173
88	Scaled-up fabrication of porous-graphene-modified separators for high-capacity lithium–sulfur batteries. Energy Storage Materials, 2017, 7, 56-63.	18.0	172
89	Towards stable lithium-sulfur batteries: Mechanistic insights into electrolyte decomposition on lithium metal anode. Energy Storage Materials, 2017, 8, 194-201.	18.0	171
90	An Organodiselenide Comediator to Facilitate Sulfur Redox Kinetics in Lithium–Sulfur Batteries. Advanced Materials, 2021, 33, e2007298.	21.0	171

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91	The Radical Pathway Based on a Lithiumâ€Metalâ€Compatible Highâ€Dielectric Electrolyte for Lithium–Sulfur Batteries. Angewandte Chemie - International Edition, 2018, 57, 16732-16736.	13.8	170
92	Recent Advances in Energy Chemical Engineering of Next-Generation Lithium Batteries. Engineering, 2018, 4, 831-847.	6.7	169
93	Nonâ€Solvating and Lowâ€Dielectricity Cosolvent for Anionâ€Derived Solid Electrolyte Interphases in Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 11442-11447.	13.8	169
94	Interconnected carbon nanotube/graphene nanosphere scaffolds as free-standing paper electrode for high-rate and ultra-stable lithium–sulfur batteries. Nano Energy, 2015, 11, 746-755.	16.0	168
95	Plating/Stripping Behavior of Actual Lithium Metal Anode. Advanced Energy Materials, 2019, 9, 1902254.	19.5	168
96	Catalytic Self-Limited Assembly at Hard Templates: A Mesoscale Approach to Graphene Nanoshells for Lithium–Sulfur Batteries. ACS Nano, 2014, 8, 11280-11289.	14.6	166
97	Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion. Angewandte Chemie - International Edition, 2020, 59, 9011-9017.	13.8	164
98	Promoting the sulfur redox kinetics by mixed organodiselenides in high-energy-density lithium–sulfur batteries. EScience, 2021, 1, 44-52.	41.6	159
99	Dendriteâ€Free Nanostructured Anode: Entrapment of Lithium in a 3D Fibrous Matrix for Ultra‣table Lithium–Sulfur Batteries. Small, 2014, 10, 4257-4263.	10.0	154
100	Recent advances in understanding dendrite growth on alkali metal anodes. EnergyChem, 2019, 1, 100003.	19.1	146
101	Identifying the Critical Anion–Cation Coordination to Regulate the Electric Double Layer for an Efficient Lithiumâ€Metal Anode Interface. Angewandte Chemie - International Edition, 2021, 60, 4215-4220.	13.8	145
102	Aligned sulfur-coated carbon nanotubes with a polyethylene glycol barrier at one end for use as a high efficiency sulfur cathode. Carbon, 2013, 58, 99-106.	10.3	143
103	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge. , 2019, 1, 217-229.		135
104	Rapid Lithium Diffusion in Order@Disorder Pathways for Fastâ€Charging Graphite Anodes. Small Structures, 2020, 1, 2000010.	12.0	130
105	Unlocking the Failure Mechanism of Solid State Lithium Metal Batteries. Advanced Energy Materials, 2022, 12, 2100748.	19.5	129
106	Sulfur Redox Reactions at Working Interfaces in Lithium–Sulfur Batteries: A Perspective. Advanced Materials Interfaces, 2019, 6, 1802046.	3.7	128
107	A Quinonoidâ€Imineâ€Enriched Nanostructured Polymer Mediator for Lithium–Sulfur Batteries. Advanced Materials, 2017, 29, 1606802.	21.0	127
108	Perspective on the critical role of interface for advanced batteries. Journal of Energy Chemistry, 2020, 47, 217-220.	12.9	127

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109	Stable Anionâ€Derived Solid Electrolyte Interphase in Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 22683-22687.	13.8	125
110	Polysulfide shuttle control: Towards a lithium-sulfur battery with superior capacity performance up to 1000 cycles by matching the sulfur/electrolyte loading. Journal of Power Sources, 2014, 253, 263-268.	7.8	124
111	Hierarchical Composites of Single/Doubleâ€Walled Carbon Nanotubes Interlinked Flakes from Direct Carbon Deposition on Layered Double Hydroxides. Advanced Functional Materials, 2010, 20, 677-685.	14.9	123
112	Electrochemical Diagram of an Ultrathin Lithium Metal Anode in Pouch Cells. Advanced Materials, 2019, 31, e1902785.	21.0	121
113	3D Mesoporous Graphene: CVD Self-Assembly on Porous Oxide Templates and Applications in High-Stable Li-S Batteries. Small, 2015, 11, 5243-5252.	10.0	120
114	The Boundary of Lithium Plating in Graphite Electrode for Safe Lithiumâ€lon Batteries. Angewandte Chemie - International Edition, 2021, 60, 13007-13012.	13.8	120
115	Lithium Nitrate Solvation Chemistry in Carbonate Electrolyte Sustains Highâ€Voltage Lithium Metal Batteries. Angewandte Chemie, 2018, 130, 14251-14255.	2.0	117
116	Recent progress on biomassâ€derived ecomaterials toward advanced rechargeable lithium batteries. EcoMat, 2020, 2, e12019.	11.9	117
117	Highly Stable Lithium Metal Batteries Enabled by Regulating the Solvation of Lithium Ions in Nonaqueous Electrolytes. Angewandte Chemie, 2018, 130, 5399-5403.	2.0	116
118	Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithium–Sulfur Batteries. Angewandte Chemie, 2016, 128, 13184-13189.	2.0	115
119	The Catalytic Pathways of Hydrohalogenation over Metalâ€Free Nitrogenâ€Doped Carbon Nanotubes. ChemSusChem, 2014, 7, 723-728.	6.8	114
120	A Review of Advanced Energy Materials for Magnesium–Sulfur Batteries. Energy and Environmental Materials, 2018, 1, 100-112.	12.8	112
121	Toward Practical Highâ€Energyâ€Density Lithium–Sulfur Pouch Cells: A Review. Advanced Materials, 2022, 34, e2201555.	21.0	112
122	Towards high purity graphene/single-walled carbon nanotube hybrids with improved electrochemical capacitive performance. Carbon, 2013, 54, 403-411.	10.3	110
123	Toward Practical Highâ€Energy Batteries: A Modularâ€Assembled Ovalâ€Like Carbon Microstructure for Thick Sulfur Electrodes. Advanced Materials, 2017, 29, 1700598.	21.0	110
124	The carrier transition from Li atoms to Li vacancies in solid-state lithium alloy anodes. Science Advances, 2021, 7, eabi5520.	10.3	110
125	Electrolyte Regulation towards Stable Lithiumâ€Metal Anodes in Lithium–Sulfur Batteries with Sulfurized Polyacrylonitrile Cathodes. Angewandte Chemie - International Edition, 2020, 59, 10732-10745.	13.8	108
126	Shielding Polysulfide Intermediates by an Organosulfurâ€Containing Solid Electrolyte Interphase on the Lithium Anode in Lithium–Sulfur Batteries. Advanced Materials, 2020, 32, e2003012.	21.0	108

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127	Electrolyte Structure of Lithium Polysulfides with Antiâ€Reductive Solvent Shells for Practical Lithium–Sulfur Batteries. Angewandte Chemie - International Edition, 2021, 60, 15503-15509.	13.8	108
128	Dry electrode technology, the rising star in solid-state battery industrialization. Matter, 2022, 5, 876-898.	10.0	108
129	A review of solid electrolytes for safe lithium-sulfur batteries. Science China Chemistry, 2017, 60, 1508-1526.	8.2	105
130	Hierarchical Vineâ€Treeâ€Like Carbon Nanotube Architectures: Inâ€Situ CVD Selfâ€Assembly and Their Use as Robust Scaffolds for Lithiumâ€Sulfur Batteries. Advanced Materials, 2014, 26, 7051-7058.	21.0	104
131	Effective exposure of nitrogen heteroatoms in 3D porous graphene framework for oxygen reduction reaction and lithium–sulfur batteries. Journal of Energy Chemistry, 2018, 27, 167-175.	12.9	103
132	Toward the Scaleâ€Up of Solidâ€State Lithium Metal Batteries: The Gaps between Labâ€Level Cells and Practical Largeâ€Format Batteries. Advanced Energy Materials, 2021, 11, 2002360.	19.5	103
133	Current-density dependence of Li ₂ S/Li ₂ S ₂ growth in lithium–sulfur batteries. Energy and Environmental Science, 2019, 12, 2976-2982.	30.8	102
134	Vertically aligned carbon nanotube arrays grown on a lamellar catalyst by fluidized bed catalytic chemical vapor deposition. Carbon, 2009, 47, 2600-2610.	10.3	101
135	Hydrothermal synthesis of porous phosphorus-doped carbon nanotubes and their use in the oxygen reduction reaction and lithium-sulfur batteries. New Carbon Materials, 2016, 31, 352-362.	6.1	100
136	Dictating Highâ€Capacity Lithium–Sulfur Batteries through Redoxâ€Mediated Lithium Sulfide Growth. Small Methods, 2020, 4, 1900344.	8.6	99
137	Lithium-Anode Protection in Lithium–Sulfur Batteries. Trends in Chemistry, 2019, 1, 693-704.	8.5	98
138	Carbonâ€Nanotubeâ€Array Double Helices. Angewandte Chemie - International Edition, 2010, 49, 3642-3645.	13.8	96
139	α-MnO2 nanofibers/carbon nanotubes hierarchically assembled microspheres: Approaching practical applications of high-performance aqueous Zn-ion batteries. Journal of Power Sources, 2019, 443, 227244.	7.8	95
140	The formation of strong-couple interactions between nitrogen-doped graphene and sulfur/lithium (poly)sulfides in lithium-sulfur batteries. 2D Materials, 2015, 2, 014011.	4.4	94
141	Radial growth of vertically aligned carbon nanotube arrays from ethylene on ceramic spheres. Carbon, 2008, 46, 1152-1158.	10.3	93
142	Mechanism understanding for stripping electrochemistry of Li metal anode. SusMat, 2021, 1, 506-536.	14.9	93
143	100 mm Long, Semiconducting Tripleâ€Walled Carbon Nanotubes. Advanced Materials, 2010, 22, 1867-187	/121.0	91
144	Review of nanostructured current collectors in lithium–sulfur batteries. Nano Research, 2017, 10, 4027-4054.	10.4	91

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145	In situ regulated solid electrolyte interphase via reactive separators for highly efficient lithium metal batteries. Energy Storage Materials, 2020, 30, 27-33.	18.0	90
146	Regulation of carbon distribution to construct high-sulfur-content cathode in lithium–sulfur batteries. Journal of Energy Chemistry, 2021, 56, 203-208.	12.9	89
147	Towards full demonstration of high areal loading sulfur cathode in lithium–sulfur batteries. Journal of Energy Chemistry, 2019, 39, 17-22.	12.9	87
148	Synchronous Growth of Vertically Aligned Carbon Nanotubes with Pristine Stress in the Heterogeneous Catalysis Process. Journal of Physical Chemistry C, 2007, 111, 14638-14643.	3.1	86
149	The feasibility of producing MWCNT paper and strong MWCNT film from VACNT array. Applied Physics A: Materials Science and Processing, 2008, 92, 531-539.	2.3	86
150	Mass production of aligned carbon nanotube arrays by fluidized bed catalytic chemical vapor deposition. Carbon, 2010, 48, 1196-1209.	10.3	86
151	Three-dimensional aluminum foam/carbon nanotube scaffolds as long- and short-range electron pathways with improved sulfur loading for high energy density lithium–sulfur batteries. Journal of Power Sources, 2014, 261, 264-270.	7.8	86
152	Beaver-dam-like membrane: A robust and sulphifilic MgBO2(OH)/CNT/PP nest separator in Li-S batteries. Energy Storage Materials, 2017, 8, 153-160.	18.0	86
153	Designing solid-state interfaces on lithium-metal anodes: a review. Science China Chemistry, 2019, 62, 1286-1299.	8.2	86
154	Lithium Bond Chemistry in Lithium–Sulfur Batteries. Angewandte Chemie, 2017, 129, 8290-8294.	2.0	85
155	A Supramolecular Capsule for Reversible Polysulfide Storage/Delivery in Lithiumâ€ S ulfur Batteries. Angewandte Chemie - International Edition, 2017, 56, 16223-16227.	13.8	85
156	Improved interfacial electronic contacts powering high sulfur utilization in all-solid-state lithium–sulfur batteries. Energy Storage Materials, 2020, 25, 436-442.	18.0	85
157	Cathode materials based on carbon nanotubes for high-energy-density lithium–sulfur batteries. Carbon, 2014, 75, 161-168.	10.3	84
158	Sulfur Nanodots Stitched in 2D "Bubble-Like―Interconnected Carbon Fabric as Reversibility-Enhanced Cathodes for Lithium–Sulfur Batteries. ACS Nano, 2017, 11, 4694-4702.	14.6	84
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