Jia-Qi Huang

List of Publications by Year
in descending order

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345 papers	49,456 citations	1040 113 h-index	1792 211 g-index
370 all docs	370 docs citations	370 times ranked	22195 citing authors

#	Article	IF	Citations
1	Boosting sulfur redox kinetics by a pentacenetetrone redox mediator for high-energy-density lithium-sulfur batteries. Nano Research, 2023, 16, 8253-8259.	5.8	32
2	Unlocking the Failure Mechanism of Solid State Lithium Metal Batteries. Advanced Energy Materials, 2022, 12, 2100748.	10.2	129
3	Polar interaction of polymer hostâ€“solvent enables stable solid electrolyte interphase in composite lithium metal anodes. Journal of Energy Chemistry, 2022, 64, 172-178.	7.1	42
4	Evaluation on a 400ÂWhÂkgâˆ’1 lithiumâ€“sulfur pouch cell. Journal of Energy Chemistry, 2022, 66, 24-29.	7.1	69
5	In-situ determination of onset lithium plating for safe Li-ion batteries. Journal of Energy Chemistry, 2022, 67, 255-262.	7.1	30
6	Anode Material Options Toward 500 Wh kg^{âˆ’1} Lithiumâ€“Sulfur Batteries. Advanced Science, 2022, 9, e2103910.	5.6	63
7	High-valence sulfur-containing species in solid electrolyte interphase stabilizes lithium metal anodes in lithiumâ€“sulfur batteries. Journal of Energy Chemistry, 2022, 68, 300-305.	7.1	36
8	A generalizable, data-driven online approach to forecast capacity degradation trajectory of lithium batteries. Journal of Energy Chemistry, 2022, 68, 548-555.	7.1	46
9	Quantification of the Dynamic Interface Evolution in Highâ€Efficiency Working Liâ€Metal Batteries. Angewandte Chemie, 2022, 134, .	1.6	13
10	An encapsulating lithium-polysulfide electrolyte for practical lithiumâ€“sulfur batteries. CheM, 2022, 8, 1083-1098.	5.8	77
11	Multiscale understanding of high-energy cathodes in solid-state batteries: from atomic scale to macroscopic scale. Materials Futures, 2022, 1, 012101.	3.1	34
12	Quantification of the Dynamic Interface Evolution in Highâ€Efficiency Working Liâ€Metal Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	66
13	Frontispiece: Surface Gelation on Disulfide Electrocatalysts in Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	2
14	Frontispiz: Surface Gelation on Disulfide Electrocatalysts in Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2022, 134, .	1.6	0
15	Nanotube-based heterostructures for electrochemistry: A mini-review on lithium storage, hydrogen evolution and beyond. Journal of Energy Chemistry, 2022, 70, 630-642.	7.1	13
16	Advances in carbon materials for stable lithium metal batteries. New Carbon Materials, 2022, 37, 1-24.	2.9	31
17	Dry electrode technology, the rising star in solid-state battery industrialization. Matter, 2022, 5, 876-898.	5.0	108
18	Fullâ€Range Redox Mediation on Sulfur Redox Kinetics for Highâ€Performance Lithiumâ€Sulfur Batteries. Batteries and Supercaps, 2022, 5, .	2.4	41

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19	Surface Gelation on Disulfide Electrocatalysts in Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2022, 134, .	1.6	9
20	A Toolbox of Reference Electrodes for Lithium Batteries. Advanced Functional Materials, 2022, 32, .	7.8	27
21	Failure Mechanism of Lithiophilic Sites in Composite Lithium Metal Anode under Practical Conditions. Advanced Energy Materials, 2022, 12, .	10.2	56
22	Surface Gelation on Disulfide Electrocatalysts in Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	67
23	Dead lithium formation in lithium metal batteries: A phase field model. Journal of Energy Chemistry, 2022, 71, 29-35.	7.1	60
24	A perspective on energy chemistry of low-temperature lithium metal batteries. , 2022, 1, 72-81.		18
25	Toward Practical Highâ€Energyâ€Density Lithiumâ€"Sulfur Pouch Cells: A Review. Advanced Materials, 2022, 34, e2201555.	11.1	112
26	Dry electrode technology for scalable and flexible high-energy sulfur cathodes in all-solid-state lithium-sulfur batteries. Journal of Energy Chemistry, 2022, 71, 612-618.	7.1	54
27	Regulating Solvation Structure in Nonflammable Amideâ€Based Electrolytes for Longâ€Cycling and Safe Lithium Metal Batteries. Advanced Energy Materials, 2022, 12, .	10.2	47
28	Thermal safety of dendritic lithium against non-aqueous electrolyte in pouch-type lithium metal batteries. Journal of Energy Chemistry, 2022, 72, 158-165.	7.1	65
29	Fluorinating the Solid Electrolyte Interphase by Rational Molecular Design for Practical Lithiumâ€Metal Batteries. Angewandte Chemie, 2022, 134, .	1.6	10
30	Fluorinating the Solid Electrolyte Interphase by Rational Molecular Design for Practical Lithiumâ€Metal Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	68
31	Anodeâ€Free Solidâ€State Lithium Batteries: A Review. Advanced Energy Materials, 2022, 12, .	10.2	81
32	The timescale identification decoupling complicated kinetic processes in lithium batteries. Joule, 2022, 6, 1172-1198.	11.7	207
33	Driving lithium to deposit inside structured lithium metal anodes: A phase field model. Journal of Energy Chemistry, 2022, 73, 285-291.	7.1	19
34	Electrolyte inhomogeneity induced lithium plating in fast charging lithium-ion batteries. Journal of Energy Chemistry, 2022, 73, 394-399.	7.1	26
35	Understanding interphases at the atomic scale. Nature Nanotechnology, 2022, 17, 680-681.	15.6	1
36	Regulation of carbon distribution to construct high-sulfur-content cathode in lithiumâ€"sulfur batteries. Journal of Energy Chemistry, 2021, 56, 203-208.	7.1	89

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37	Regulating Interfacial Chemistry in Lithiumâ€Ion Batteries by a Weakly Solvating Electrolyte**. Angewandte Chemie, 2021, 133, 4136-4143.	1.6	74
38	A review on the failure and regulation of solid electrolyte interphase in lithium batteries. Journal of Energy Chemistry, 2021, 59, 306-319.	7.1	183
39	Competitive Solid-Electrolyte Interphase Formation on Working Lithium Anodes. Trends in Chemistry, 2021, 3, 5-14.	4.4	34
40	The Insights of Lithium Metal Plating/Stripping in Porous Hosts: Progress and Perspectives. Energy Technology, 2021, 9, 2000700.	1.8	38
41	Identifying the Critical Anionâ€"Cation Coordination to Regulate the Electric Double Layer for an Efficient Lithiumâ€Metal Anode Interface. Angewandte Chemie, 2021, 133, 4261-4266.	1.6	25
42	Redox mediator assists electron transfer in lithiumâ€"sulfur batteries with sulfurized polyacrylonitrile cathodes. EcoMat, 2021, 3, e12066.	6.8	69
43	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.	10.2	103
44	Identifying the Critical Anionâ€"Cation Coordination to Regulate the Electric Double Layer for an Efficient Lithiumâ€Metal Anode Interface. Angewandte Chemie - International Edition, 2021, 60, 4215-4220.	7.2	145
45	Inhibiting Solvent Coâ€Intercalation in a Graphite Anode by a Localized Highâ€Concentration Electrolyte in Fastâ€Charging Batteries. Angewandte Chemie, 2021, 133, 3444-3448.	1.6	44
46	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.	7.2	238
47	Regulating Interfacial Chemistry in Lithiumâ€Ion Batteries by a Weakly Solvating Electrolyte**. Angewandte Chemie - International Edition, 2021, 60, 4090-4097.	7.2	373
48	Ultrastable Zinc Anodes Enabled by Anti-Dehydration Ionic Liquid Polymer Electrolyte for Aqueous Zn Batteries. ACS Applied Materials & Interfaces, 2021, 13, 4008-4016.	4.0	58
49	Formation mechanism of the solid electrolyte interphase in different ester electrolytes. Journal of Materials Chemistry A, 2021, 9, 19664-19668.	5.2	59
50	RÃ¼cktitelbild: Identifying the Critical Anionâ€"Cation Coordination to Regulate the Electric Double Layer for an Efficient Lithiumâ€Metal Anode Interface (Angew. Chem. 8/2021). Angewandte Chemie, 2021, 133, 4428-4428.	1.6	0
51	An Organodiselenide Comediator to Facilitate Sulfur Redox Kinetics in Lithiumâ€"Sulfur Batteries. Advanced Materials, 2021, 33, e2007298.	11.1	171
52	Critical Current Density in Solidâ€State Lithium Metal Batteries: Mechanism, Influences, and Strategies. Advanced Functional Materials, 2021, 31, 2009925.	7.8	239
53	Nucleation and Growth Mechanism of Anionâ€Derived Solid Electrolyte Interphase in Rechargeable Batteries. Angewandte Chemie - International Edition, 2021, 60, 8521-8525.	7.2	77
54	A perspective on sustainable energy materials for lithium batteries. SusMat, 2021, 1, 38-50.	7.8	208

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55	Nucleation and Growth Mechanism of Anionâ€Derived Solid Electrolyte Interphase in Rechargeable Batteries. Angewandte Chemie, 2021, 133, 8602-8606.	1.6	16
56	Nonâ€Solvating and Lowâ€Dielectricity Cosolvent for Anionâ€Derived Solid Electrolyte Interphases in Lithium Metal Batteries. Angewandte Chemie, 2021, 133, 11543-11548.	1.6	19
57	Nonâ€Solvating and Lowâ€Dielectricity Cosolvent for Anionâ€Derived Solid Electrolyte Interphases in Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 11442-11447.	7.2	169
58	Lithiumâ€Sulfur Batteries: An Organodiselenide Comediator to Facilitate Sulfur Redox Kinetics in Lithiumâ€"Sulfur Batteries (Adv. Mater. 13/2021). Advanced Materials, 2021, 33, 2170100.	11.1	6
59	Stable interfaces constructed by concentrated ether electrolytes to render robust lithium metal batteries. Chinese Journal of Chemical Engineering, 2021, 37, 152-158.	1.7	10
60	The Boundary of Lithium Plating in Graphite Electrode for Safe Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 13007-13012.	7.2	120
61	The Boundary of Lithium Plating in Graphite Electrode for Safe Lithiumâ€Ion Batteries. Angewandte Chemie, 2021, 133, 13117-13122.	1.6	17
62	A Selfâ€Limited Freeâ€Standing Sulfide Electrolyte Thin Film for Allâ€Solidâ€State Lithium Metal Batteries. Advanced Functional Materials, 2021, 31, 2101985.	7.8	77
63	Electrolyte Structure of Lithium Polysulfides with Antiâ€Reductive Solvent Shells for Practical Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2021, 60, 15503-15509.	7.2	108
64	Electrolyte Structure of Lithium Polysulfides with Antiâ€Reductive Solvent Shells for Practical Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2021, 133, 15631-15637.	1.6	8
65	Role of Lithiophilic Metal Sites in Lithium Metal Anodes. Energy & Fuels, 2021, 35, 12746-12752.	2.5	16
66	Thermally Stable and Nonflammable Electrolytes for Lithium Metal Batteries: Progress and Perspectives. Small Science, 2021, 1, 2100058.	5.8	81
67	Deciphering the Effect of Electrical Conductivity of Hosts on Lithium Deposition in Composite Lithium Metal Anodes. Advanced Energy Materials, 2021, 11, 2101654.	10.2	49
68	Advanced electrode processing of lithium ion batteries: A review of powder technology in battery fabrication. Particuology, 2021, 57, 56-71.	2.0	79
69	Promoting the sulfur redox kinetics by mixed organodiselenides in high-energy-density lithiumâ€"sulfur batteries. EScience, 2021, 1, 44-52.	25.0	159
70	Continuous Conductive Networks Built by Prussian Blue Cubes and Mesoporous Carbon Lead to Enhanced Sodium-Ion Storage Performances. ACS Applied Materials & Interfaces, 2021, 13, 38202-38212.	4.0	25
71	Quantitative kinetic analysis on oxygen reduction reaction: A perspective. Nano Materials Science, 2021, 3, 313-318.	3.9	64
72	Stable Anionâ€Derived Solid Electrolyte Interphase in Lithium Metal Batteries. Angewandte Chemie, 2021, 133, 22865-22869.	1.6	32

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73	The carrier transition from Li atoms to Li vacancies in solid-state lithium alloy anodes. Science Advances, 2021, 7, eabi5520.	4.7	110
74	Reclaiming Inactive Lithium with a Triiodide/Iodide Redox Couple for Practical Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 22990-22995.	7.2	52
75	Stable Anionâ€Derived Solid Electrolyte Interphase in Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 22683-22687.	7.2	125
76	Reclaiming Inactive Lithium with a Triiodide/Iodide Redox Couple for Practical Lithium Metal Batteries. Angewandte Chemie, 2021, 133, 23172.	1.6	10
77	Advanced Electrode Materials in Lithium Batteries: Retrospect and Prospect. Energy Material Advances, 2021, 2021, .	4.7	179
78	Surface Redox-Active Organosulfur-Tethered Carbon Nanotubes for High Power and Long Cyclability of Naâ€"Organosulfur Hybrid Energy Storage. ACS Energy Letters, 2021, 6, 280-289.	8.8	20
79	Designing and Demystifying the Lithium Metal Interface toward Highly Reversible Batteries. Advanced Materials, 2021, 33, e2105962.	11.1	59
80	Semi-Immobilized Molecular Electrocatalysts for High-Performance Lithiumâ€"Sulfur Batteries. Journal of the American Chemical Society, 2021, 143, 19865-19872.	6.6	173
81	Designing and Demystifying the Lithium Metal Interface toward Highly Reversible Batteries (Adv.) Tj ETQq1 1 0.784314 rgBT /Overloc	11.1	5
82	Mechanism understanding for stripping electrochemistry of Li metal anode. SusMat, 2021, 1, 506-536.	7.8	93
83	Dictating Highâ€Capacity Lithiumâ€"Sulfur Batteries through Redoxâ€Mediated Lithium Sulfide Growth. Small Methods, 2020, 4, 1900344.	4.6	99
84	Improved interfacial electronic contacts powering high sulfur utilization in all-solid-state lithiumâ€"sulfur batteries. Energy Storage Materials, 2020, 25, 436-442.	9.5	85
85	Perspective on the critical role of interface for advanced batteries. Journal of Energy Chemistry, 2020, 47, 217-220.	7.1	127
86	Lithiumâ€Schwefelâ€Batterien mit Magerelektrolyt: Herausforderungen und Perspektiven. Angewandte Chemie, 2020, 132, 12736-12753.	1.6	33
87	Liquid phase therapy to solid electrolyteâ€"electrode interface in solid-state Li metal batteries: A review. Energy Storage Materials, 2020, 24, 75-84.	9.5	199
88	Lithiumâ€"Sulfur Batteries under Lean Electrolyte Conditions: Challenges and Opportunities. Angewandte Chemie - International Edition, 2020, 59, 12636-12652.	7.2	425
89	Interface enhanced well-dispersed Co9S8 nanocrystals as an efficient polysulfide host in lithiumâ€"sulfur batteries. Journal of Energy Chemistry, 2020, 48, 109-115.	7.1	59
90	Rational design of two-dimensional nanomaterials for lithiumâ€"sulfur batteries. Energy and Environmental Science, 2020, 13, 1049-1075.	15.6	285

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91	A Sustainable Solid Electrolyte Interphase for Highâ€Energyâ€Density Lithium Metal Batteries Under Practical Conditions. Angewandte Chemie, 2020, 132, 3278-3283.	1.6	60
92	Electrolyte Regulation towards Stable Lithiumâ€Metal Anodes in Lithiumâ€"Sulfur Batteries with Sulfurized Polyacrylonitrile Cathodes. Angewandte Chemie - International Edition, 2020, 59, 10732-10745.	7.2	108
93	Crosstalk shielding of transition metal ions for long cycling lithiumâ€"metal batteries. Journal of Materials Chemistry A, 2020, 8, 4283-4289.	5.2	51
94	Ether-compatible lithium sulfur batteries with robust performance via selenium doping. Journal of Energy Chemistry, 2020, 46, 199-201.	7.1	4
95	The reduction of interfacial transfer barrier of Li ions enabled by inorganics-rich solid-electrolyte interphase. Energy Storage Materials, 2020, 28, 401-406.	9.5	55
96	Electrolyte Regulation towards Stable Lithiumâ€Metal Anodes in Lithiumâ€"Sulfur Batteries with Sulfurized Polyacrylonitrile Cathodes. Angewandte Chemie, 2020, 132, 10821-10834.	1.6	80
97	A Sustainable Solid Electrolyte Interphase for Highâ€Energyâ€Density Lithium Metal Batteries Under Practical Conditions. Angewandte Chemie - International Edition, 2020, 59, 3252-3257.	7.2	221
98	A compact inorganic layer for robust anode protection in lithiumâ€sulfur batteries. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 379-388.	8.5	197
99	The origin of sulfuryl-containing components in SEI from sulfate additives for stable cycling of ultrathin lithium metal anodes. Journal of Energy Chemistry, 2020, 47, 128-131.	7.1	63
100	Redox Comediation with Organopolysulfides in Working Lithium-Sulfur Batteries. CheM, 2020, 6, 3297-3311.	5.8	177
101	Long lifespan and high-rate Zn anode boosted by 3D porous structure and conducting network. Journal of Power Sources, 2020, 479, 228808.	4.0	43
102	A bifunctional ethylene-vinyl acetate copolymer protective layer for dendrites-free lithium metal anodes. Journal of Energy Chemistry, 2020, 48, 203-207.	7.1	68
103	Advanced energy materials for flexible batteries in energy storage: A review. SmartMat, 2020, 1, .	6.4	186
104	Shielding Polysulfide Intermediates by an Organosulfurâ€Containing Solid Electrolyte Interphase on the Lithium Anode in Lithiumâ€"Sulfur Batteries. Advanced Materials, 2020, 32, e2003012.	11.1	108
105	Rapid Lithium Diffusion in Order@Disorder Pathways for Fastâ€Charging Graphite Anodes. Small Structures, 2020, 1, 2000010.	6.9	130
106	Direct Intermediate Regulation Enabled by Sulfur Containers in Working Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2020, 132, 22334-22339.	1.6	9
107	Direct Intermediate Regulation Enabled by Sulfur Containers in Working Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2020, 59, 22150-22155.	7.2	55
108	RÃ¼cktitelbild: Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion (Angew. Chem. 23/2020). Angewandte Chemie, 2020, 132, 9278-9278.	1.6	1

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109	Toward Practical All-solid-state Batteries with Sulfide Electrolyte: A Review. Chemical Research in Chinese Universities, 2020, 36, 377-385.	1.3	24
110	A review on energy chemistry of fast-charging anodes. Chemical Society Reviews, 2020, 49, 3806-3833.	18.7	323
111	In situ regulated solid electrolyte interphase via reactive separators for highly efficient lithium metal batteries. Energy Storage Materials, 2020, 30, 27-33.	9.5	90
112	Interfacial redox behaviors of sulfide electrolytes in fast-charging all-solid-state lithium metal batteries. Energy Storage Materials, 2020, 31, 267-273.	9.5	45
113	Mesoporous Graphene Hosts for Dendrite-Free Lithium Metal Anode in Working Rechargeable Batteries. Transactions of Tianjin University, 2020, 26, 127-134.	3.3	33
114	Integrated lithium metal anode protected by composite solid electrolyte film enables stable quasi-solid-state lithium metal batteries. Chinese Chemical Letters, 2020, 31, 2339-2342.	4.8	50
115	The influence of formation temperature on the solid electrolyte interphase of graphite in lithium ion batteries. Journal of Energy Chemistry, 2020, 49, 335-338.	7.1	55
116	An Ultrastable Naâ€"Zn Solid-State Hybrid Battery Enabled by a Robust Dual-Cross-linked Polymer Electrolyte. ACS Applied Materials & Interfaces, 2020, 12, 17583-17591.	4.0	22
117	Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion. Angewandte Chemie - International Edition, 2020, 59, 9011-9017.	7.2	164
118	Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion. Angewandte Chemie, 2020, 132, 9096-9102.	1.6	42
119	Slurryâ€Coated Sulfur/Sulfide Cathode with Li Metal Anode for Allâ€Solidâ€State Lithiumâ€Sulfur Pouch Cells. Batteries and Supercaps, 2020, 3, 596-603.	2.4	50
120	Review on nanomaterials for nextâ€generation batteries with lithium metal anodes. Nano Select, 2020, 1, 94-110.	1.9	14
121	A Perspective toward Practical Lithiumâ€"Sulfur Batteries. ACS Central Science, 2020, 6, 1095-1104.	5.3	442
122	Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semiâ€Immobilized Redox Mediators in Working Batteries. Angewandte Chemie - International Edition, 2020, 59, 17670-17675.	7.2	54
123	Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semiâ€Immobilized Redox Mediators in Working Batteries. Angewandte Chemie, 2020, 132, 17823-17828.	1.6	5
124	Controlling Dendrite Growth in Solid-State Electrolytes. ACS Energy Letters, 2020, 5, 833-843.	8.8	322
125	Waterproof lithium metal anode enabled by cross-linking encapsulation. Science Bulletin, 2020, 65, 909-916.	4.3	60
126	Recent progress on biomassâ€derived ecomaterials toward advanced rechargeable lithium batteries. EcoMat, 2020, 2, e12019.	6.8	117

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127	InnenrÃ¼cktitelbild: A Sustainable Solid Electrolyte Interphase for Highâ€Energyâ€Density Lithium Metal Batteries Under Practical Conditions (Angew. Chem. 8/2020). Angewandte Chemie, 2020, 132, 3363-3363.	1.6	0
128	Toward Critical Electrode/Electrolyte Interfaces in Rechargeable Batteries. Advanced Functional Materials, 2020, 30, 1909887.	7.8	251
129	Analyzing Energy Materials by Cryogenic Electron Microscopy. Advanced Materials, 2020, 32, e1908293.	11.1	61
130	Liquid Phase Therapy with Localized High-Concentration Electrolytes for Solid-State Li Metal Pouch Cells. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	2
131	Research Progress of Solid Electrolyte Interphase in Lithium Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	7
132	Columnar Lithium Metal Deposits: the Role of Non-Aqueous Electrolyte Additive. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	0
133	A metal nitride interlayer for long life lithium sulfur batteries. Journal of Energy Chemistry, 2019, 29, 1-2.	7.1	23
134	Artificial Interphases for Highly Stable Lithium Metal Anode. Matter, 2019, 1, 317-344.	5.0	508
135	Inspirations from Chinese Ancient Wisdom: Strategies toward Stable Interfaces in Batteries. Matter, 2019, 1, 300-301.	5.0	2
136	Electrochemical Diagram of an Ultrathin Lithium Metal Anode in Pouch Cells. Advanced Materials, 2019, 31, e1902785.	11.1	121
137	4.5â€…V Highâ€Voltage Rechargeable Batteries Enabled by the Reduction of Polarization on the Lithium Metal Anode. Angewandte Chemie - International Edition, 2019, 58, 15235-15238.	7.2	47
138	4.5â€…V Highâ€Voltage Rechargeable Batteries Enabled by the Reduction of Polarization on the Lithium Metal Anode. Angewandte Chemie, 2019, 131, 15379-15382.	1.6	7
139	Ion-exchange synthesis of high-energy-density prussian blue analogues for sodium ion battery cathodes with fast kinetics and long durability. Journal of Power Sources, 2019, 436, 226868.	4.0	48
140	Lithium-Anode Protection in Lithiumâ€"Sulfur Batteries. Trends in Chemistry, 2019, 1, 693-704.	4.4	98
141	A review of naturally derived nanostructured materials for safe lithium metal batteries. Materials Today Nano, 2019, 8, 100049.	2.3	39
142	Recent advances in understanding dendrite growth on alkali metal anodes. EnergyChem, 2019, 1, 100003.	10.1	146
143	Implanting Atomic Cobalt within Mesoporous Carbon toward Highly Stable Lithiumâ€"Sulfur Batteries. Advanced Materials, 2019, 31, e1903813.	11.1	310
144	A Coaxialâ€Interweaved Hybrid Lithium Metal Anode for Longâ€Lifespan Lithium Metal Batteries. Advanced Energy Materials, 2019, 9, 1901932.	10.2	73

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145	Plating/Stripping Behavior of Actual Lithium Metal Anode. Advanced Energy Materials, 2019, 9, 1902254.	10.2	168
146	Î±-MnO2 nanofibers/carbon nanotubes hierarchically assembled microspheres: Approaching practical applications of high-performance aqueous Zn-ion batteries. Journal of Power Sources, 2019, 443, 227244.	4.0	95
147	Innentitelbild: 4.5â€…V Highâ€Voltage Rechargeable Batteries Enabled by the Reduction of Polarization on the Lithium Metal Anode (Angew. Chem. 43/2019). Angewandte Chemie, 2019, 131, 15306-15306.	1.6	0
148	Designing solid-state interfaces on lithium-metal anodes: a review. Science China Chemistry, 2019, 62, 1286-1299.	4.2	86
149	Sulfur Redox Reactions at Working Interfaces in Lithiumâ€"Sulfur Batteries: A Perspective. Advanced Materials Interfaces, 2019, 6, 1802046.	1.9	128
150	Graphene-based Fe-coordinated framework porphyrin as an interlayer for lithiumâ€"sulfur batteries. Materials Chemistry Frontiers, 2019, 3, 615-619.	3.2	47
151	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge. , 2019, 1, 217-229.		135
152	Safe Lithiumâ€Metal Anodes for Liâˆ’O₂ Batteries: From Fundamental Chemistry to Advanced Characterization and Effective Protection. Batteries and Supercaps, 2019, 2, 638-658.	2.4	67
153	Current-density dependence of Li₂S/Li₂S₂ growth in lithiumâ€"sulfur batteries. Energy and Environmental Science, 2019, 12, 2976-2982.	15.6	102
154	Regulating the Inner Helmholtz Plane for Stable Solid Electrolyte Interphase on Lithium Metal Anodes. Journal of the American Chemical Society, 2019, 141, 9422-9429.	6.6	429
155	Lithiumâ€Metal Anodes: Dualâ€Phase Singleâ€Ion Pathway Interfaces for Robust Lithium Metal in Working Batteries (Adv. Mater. 19/2019). Advanced Materials, 2019, 31, 1970135.	11.1	1
156	Transition metal coordinated framework porphyrin for electrocatalytic oxygen reduction. Chinese Chemical Letters, 2019, 30, 911-914.	4.8	54
157	Nonuniform Redistribution of Sulfur and Lithium upon Cycling: Probing the Origin of Capacity Fading in Lithiumâ€"Sulfur Pouch Cells. Energy Technology, 2019, 7, 1900111.	1.8	32
158	Dualâ€Phase Singleâ€Ion Pathway Interfaces for Robust Lithium Metal in Working Batteries. Advanced Materials, 2019, 31, e1808392.	11.1	224
159	3D Hierarchical Porous Graphene-Based Energy Materials: Synthesis, Functionalization, and Application in Energy Storage and Conversion. Electrochemical Energy Reviews, 2019, 2, 332-371.	13.1	82
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