Jia-Qi Huang

List of Publications by Year in Descending Order

329 papers	34,551 citations	97 h-index	179 g-index
370 ext. papers	42,053 ext. citations	12.8 avg, IF	8.03 L-index

#	Paper	IF	Citations
329	An encapsulating lithium-polysulfide electrolyte for practical lithium–sulfur batteries. *CheM*, **2022**,	16.2	13
328	Multiscale understanding of high-energy cathodes in solid-state batteries: from atomic scale to macroscopic scale **2022**, 1, 012101		5
327	Frontispiece: Surface Gelation on Disulfide Electrocatalysts in Lithium–Sulfur Batteries. *Angewandte Chemie - International Edition*, **2022**, 61,	16.4	1
326	High-valence sulfur-containing species in solid electrolyte interphase stabilizes lithium metal anodes in lithium–sulfur batteries. *Journal of Energy Chemistry*, **2022**, 68, 300-305	12	6
325	A generalizable, data-driven online approach to forecast capacity degradation trajectory of lithium batteries. *Journal of Energy Chemistry*, **2022**, 68, 548-555	12	2
324	Polar interaction of polymer host–solvent enables stable solid electrolyte interphase in composite lithium metal anodes. *Journal of Energy Chemistry*, **2022**, 64, 172-178	12	10
323	Evaluation on a 400 Wh kg−1 lithium–sulfur pouch cell. *Journal of Energy Chemistry*, **2022**, 66, 24-29	12	23
322	Advances in carbon materials for stable lithium metal batteries. *New Carbon Materials*, **2022**, 37, 1-24	4.4	2
321	Dry electrode technology, the rising star in solid-state battery industrialization. *Matter*, **2022**, 5, 876-898	12.7	14
320	Full-Range Redox Mediation on Sulfur Redox Kinetics for High-Performance Lithium-Sulfur Batteries. *Batteries and Supercaps*, **2022**, 5,	5.6	2
319	A Toolbox of Reference Electrodes for Lithium Batteries. *Advanced Functional Materials*, **2022**, 32, 2108496	19	7
318	Failure Mechanism of Lithiophilic Sites in Composite Lithium Metal Anode under Practical Conditions. *Advanced Energy Materials*, **2022**, 12, 2103291	21.8	9
317	A perspective on energy chemistry of low-temperature lithium metal batteries **2022**, 1, 72-81		3
316	Towards Practical High-Energy-Density Lithium-Sulfur Pouch Cells: A Review.. *Advanced Materials*, **2022**, e2201555	24	12
315	Designing and Demystifying the Lithium Metal Interface toward Highly Reversible Batteries (Adv. Mater. 52/2021). *Advanced Materials*, **2021**, 33, 2170413	24	1
314	Mechanism understanding for stripping electrochemistry of Li metal anode. *SusMat*, **2021**, 1, 506-536		13
313	Semi-Immobilized Molecular Electrocatalysts for High-Performance Lithium-Sulfur Batteries. *Journal of the American Chemical Society*, **2021**, 143, 19865-19872	16.4	33

312	Anode Material Options Toward 500 Wh kg Lithium-Sulfur Batteries. *Advanced Science*, **2021**, 9, e2103910	13.6	13
311	Designing and Demystifying the Lithium Metal Interface toward Highly Reversible Batteries. *Advanced Materials*, **2021**, e2105962	24	16
310	Surface Redox-Active Organosulfur-Tethered Carbon Nanotubes for High Power and Long Cyclability of Na Organosulfur Hybrid Energy Storage. *ACS Energy Letters*, **2021**, 6, 280-289	20.1	11
309	Nucleation and Growth Mechanism of Anion-Derived Solid Electrolyte Interphase in Rechargeable Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 8521-8525	16.4	28
308	A perspective on sustainable energy materials for lithium batteries. *SusMat*, **2021**, 1, 38-50		69
307	Nucleation and Growth Mechanism of Anion-Derived Solid Electrolyte Interphase in Rechargeable Batteries. *Angewandte Chemie*, **2021**, 133, 8602-8606	3.6	6
306	Non-Solvating and Low-Dielectricity Cosolvent for Anion-Derived Solid Electrolyte Interphases in Lithium Metal Batteries. *Angewandte Chemie*, **2021**, 133, 11543-11548	3.6	9
305	Non-Solvating and Low-Dielectricity Cosolvent for Anion-Derived Solid Electrolyte Interphases in Lithium Metal Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 11442-11447	16.4	52
304	Lithium-Sulfur Batteries: An Organodiselenide Comediator to Facilitate Sulfur Redox Kinetics in Lithium Sulfur Batteries (Adv. Mater. 13/2021). *Advanced Materials*, **2021**, 33, 2170100	24	5
303	Stable interfaces constructed by concentrated ether electrolytes to render robust lithium metal batteries. *Chinese Journal of Chemical Engineering*, **2021**, 37, 152-152	3.2	2
302	The Boundary of Lithium Plating in Graphite Electrode for Safe Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 13007-13012	16.4	29
301	The Boundary of Lithium Plating in Graphite Electrode for Safe Lithium-Ion Batteries. *Angewandte Chemie*, **2021**, 133, 13117-13122	3.6	2
300	A Self-Limited Free-Standing Sulfide Electrolyte Thin Film for All-Solid-State Lithium Metal Batteries. *Advanced Functional Materials*, **2021**, 31, 2101985	15.6	22
299	Electrolyte Structure of Lithium Polysulfides with Anti-Reductive Solvent Shells for Practical Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 15503-15509	16.4	37
298	Electrolyte Structure of Lithium Polysulfides with Anti-Reductive Solvent Shells for Practical Lithium Sulfur Batteries. *Angewandte Chemie*, **2021**, 133, 15631-15637	3.6	1
297	Regulation of carbon distribution to construct high-sulfur-content cathode in lithium sulfur batteries. *Journal of Energy Chemistry*, **2021**, 56, 203-208	12	49
296	Regulating Interfacial Chemistry in Lithium-Ion Batteries by a Weakly Solvating Electrolyte**. *Angewandte Chemie*, **2021**, 133, 4136-4143	3.6	35
295	A review on the failure and regulation of solid electrolyte interphase in lithium batteries. *Journal of Energy Chemistry*, **2021**, 59, 306-319	12	59

294	Competitive Solid-Electrolyte Interphase Formation on Working Lithium Anodes. *Trends in Chemistry*, **2021**, 3, 5-14	14.8	17
293	The Insights of Lithium Metal Plating/Stripping in Porous Hosts: Progress and Perspectives. *Energy Technology*, **2021**, 9, 2000700	3.5	20
292	Identifying the Critical Anion□Cation Coordination to Regulate the Electric Double Layer for an Efficient Lithium-Metal Anode Interface. *Angewandte Chemie*, **2021**, 133, 4261-4266	3.6	10
291	Redox mediator assists electron transfer in lithium□sulfur batteries with sulfurized polyacrylonitrile cathodes. *EcoMat*, **2021**, 3, e12066	9.4	27
290	Toward the Scale-Up of Solid-State Lithium Metal Batteries: The Gaps between Lab-Level Cells and Practical Large-Format Batteries. *Advanced Energy Materials*, **2021**, 11, 2002360	21.8	37
289	Identifying the Critical Anion-Cation Coordination to Regulate the Electric Double Layer for an Efficient Lithium-Metal Anode Interface. *Angewandte Chemie - International Edition*, **2021**, 60, 4215-4220	16.4	58
288	Inhibiting Solvent Co-Intercalation in a Graphite Anode by a Localized High-Concentration Electrolyte in Fast-Charging Batteries. *Angewandte Chemie*, **2021**, 133, 3444-3448	3.6	21
287	Inhibiting Solvent Co-Intercalation in a Graphite Anode by a Localized High-Concentration Electrolyte in Fast-Charging Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 3402-3406	16.4	73
286	Regulating Interfacial Chemistry in Lithium-Ion Batteries by a Weakly Solvating Electrolyte*. *Angewandte Chemie - International Edition*, **2021**, 60, 4090-4097	16.4	106
285	Ultrastable Zinc Anodes Enabled by Anti-Dehydration Ionic Liquid Polymer Electrolyte for Aqueous Zn Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 4008-4016	9.5	21
284	Formation mechanism of the solid electrolyte interphase in different ester electrolytes. *Journal of Materials Chemistry A*, **2021**, 9, 19664-19668	13	21
283	R□ktitelbild: Identifying the Critical Anion□Cation Coordination to Regulate the Electric Double Layer for an Efficient Lithium-Metal Anode Interface (Angew. Chem. 8/2021). *Angewandte Chemie*, **2021**, 133, 4428-4428	3.6	
282	An Organodiselenide Comediator to Facilitate Sulfur Redox Kinetics in Lithium-Sulfur Batteries. *Advanced Materials*, **2021**, 33, e2007298	24	61
281	Critical Current Density in Solid-State Lithium Metal Batteries: Mechanism, Influences, and Strategies. *Advanced Functional Materials*, **2021**, 31, 2009925	15.6	74
280	Role of Lithiophilic Metal Sites in Lithium Metal Anodes. *Energy & Fuels*, **2021**, 35, 12746-12752	4.1	4
279	Thermally Stable and Nonflammable Electrolytes for Lithium Metal Batteries: Progress and Perspectives. *Small Science*, **2021**, 1, 2100058		31
278	Deciphering the Effect of Electrical Conductivity of Hosts on Lithium Deposition in Composite Lithium Metal Anodes. *Advanced Energy Materials*, **2021**, 11, 2101654	21.8	10
277	Advanced electrode processing of lithium ion batteries: A review of powder technology in battery fabrication. *Particuology*, **2021**, 57, 56-71	2.8	21

276	Promoting the sulfur redox kinetics by mixed organodiselenides in high-energy-density lithium□sulfur batteries. *EScience*, **2021**, 1, 44-44		45
275	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	9.5	5
274	Quantitative kinetic analysis on oxygen reduction reaction: A perspective. *Nano Materials Science*, **2021**, 3, 313-318	10.2	12
273	Stable Anion-Derived Solid Electrolyte Interphase in Lithium Metal Batteries. *Angewandte Chemie*, **2021**, 133, 22865	3.6	12
272	The carrier transition from Li atoms to Li vacancies in solid-state lithium alloy anodes. *Science Advances*, **2021**, 7, eabi5520	14.3	23
271	Reclaiming Inactive Lithium with a Triiodide/Iodide Redox Couple for Practical Lithium Metal Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 22990-22995	16.4	12
270	Stable Anion-Derived Solid Electrolyte Interphase in Lithium Metal Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 22683-22687	16.4	24
269	Reclaiming Inactive Lithium with a Triiodide/Iodide Redox Couple for Practical Lithium Metal Batteries. *Angewandte Chemie*, **2021**, 133, 23172	3.6	2
268	Advanced Electrode Materials in Lithium Batteries: Retrospect and Prospect. *Energy Material Advances*, **2021**, 2021, 1-15	1	40
267	Surface Gelation on Disulfide Electrocatalysts in Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2021**,	16.4	7
266	Dead lithium formation in lithium metal batteries: A phase field model. *Journal of Energy Chemistry*, **2021**,	12	8
265	R□ktitelbild: Electrochemical Phase Evolution of Metal-Based Pre-Catalysts for High-Rate Polysulfide Conversion (Angew. Chem. 23/2020). *Angewandte Chemie*, **2020**, 132, 9278-9278	3.6	1
264	Toward Practical All-solid-state Batteries with Sulfide Electrolyte: A Review. *Chemical Research in Chinese Universities*, **2020**, 36, 377-385	2.2	11
263	A review on energy chemistry of fast-charging anodes. *Chemical Society Reviews*, **2020**, 49, 3806-3833	58.5	131
262	In situ regulated solid electrolyte interphase via reactive separators for highly efficient lithium metal batteries. *Energy Storage Materials*, **2020**, 30, 27-33	19.4	46
261	Interfacial redox behaviors of sulfide electrolytes in fast-charging all-solid-state lithium metal batteries. *Energy Storage Materials*, **2020**, 31, 267-273	19.4	24
260	Mesoporous Graphene Hosts for Dendrite-Free Lithium Metal Anode in Working Rechargeable Batteries. *Transactions of Tianjin University*, **2020**, 26, 127-134	2.9	22
259	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	8.1	29

258	The influence of formation temperature on the solid electrolyte interphase of graphite in lithium ion batteries. *Journal of Energy Chemistry*, **2020**, 49, 335-338	12	29
257	An Ultrastable Na-Zn Solid-State Hybrid Battery Enabled by a Robust Dual-Cross-linked Polymer Electrolyte. *ACS Applied Materials & Interfaces*, **2020**, 12, 17583-17591	9.5	10
256	Electrochemical Phase Evolution of Metal-Based Pre-Catalysts for High-Rate Polysulfide Conversion. *Angewandte Chemie - International Edition*, **2020**, 59, 9011-9017	16.4	106
255	Electrochemical Phase Evolution of Metal-Based Pre-Catalysts for High-Rate Polysulfide Conversion. *Angewandte Chemie*, **2020**, 132, 9096-9102	3.6	21
254	Slurry-Coated Sulfur/Sulfide Cathode with Li Metal Anode for All-Solid-State Lithium-Sulfur Pouch Cells. *Batteries and Supercaps*, **2020**, 3, 596-603	5.6	26
253	Review on nanomaterials for next-generation batteries with lithium metal anodes. *Nano Select*, **2020**, 1, 94-110	3.1	9
252	A Perspective toward Practical Lithium-Sulfur Batteries. *ACS Central Science*, **2020**, 6, 1095-1104	16.8	184
251	Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semi-Immobilized Redox Mediators in Working Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 17670-17675	16.4	26
250	Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semi-Immobilized Redox Mediators in Working Batteries. *Angewandte Chemie*, **2020**, 132, 17823-17828	3.6	3
249	Controlling Dendrite Growth in Solid-State Electrolytes. *ACS Energy Letters*, **2020**, 5, 833-843	20.1	165
248	Waterproof lithium metal anode enabled by cross-linking encapsulation. *Science Bulletin*, **2020**, 65, 909-916	16.6	41
247	Recent progress on biomass-derived ecomaterials toward advanced rechargeable lithium batteries. *EcoMat*, **2020**, 2, e12019	9.4	55
246	Innenr□ktitelbild: A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions (Angew. Chem. 8/2020). *Angewandte Chemie*, **2020**, 132, 3363-3363	3.6	
245	Toward Critical Electrode/Electrolyte Interfaces in Rechargeable Batteries. *Advanced Functional Materials*, **2020**, 30, 1909887	15.6	114
244	Analyzing Energy Materials by Cryogenic Electron Microscopy. *Advanced Materials*, **2020**, 32, e1908293	24	33
243	Liquid Phase Therapy with Localized High-Concentration Electrolytes for Solid-State Li Metal Pouch Cells. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2005003-0	3.8	2
242	Research Progress of Solid Electrolyte Interphase in Lithium Batteries. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2010076-0	3.8	2
241	Lithium-Sulfur Batteries under Lean Electrolyte Conditions: Challenges and Opportunities. *Angewandte Chemie - International Edition*, **2020**, 59, 12636-12652	16.4	230

240	Interface enhanced well-dispersed Co9S8 nanocrystals as an efficient polysulfide host in lithium–sulfur batteries. *Journal of Energy Chemistry*, **2020**, 48, 109-115	12	41
239	Rational design of two-dimensional nanomaterials for lithium–sulfur batteries. *Energy and Environmental Science*, **2020**, 13, 1049-1075	35.4	156
238	A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions. *Angewandte Chemie*, **2020**, 132, 3278-3283	3.6	40
237	Electrolyte Regulation towards Stable Lithium-Metal Anodes in Lithium-Sulfur Batteries with Sulfurized Polyacrylonitrile Cathodes. *Angewandte Chemie - International Edition*, **2020**, 59, 10732-10745	16.4	56
236	Crosstalk shielding of transition metal ions for long cycling lithium–metal batteries. *Journal of Materials Chemistry A*, **2020**, 8, 4283-4289	13	27
235	Ether-compatible lithium sulfur batteries with robust performance via selenium doping. *Journal of Energy Chemistry*, **2020**, 46, 199-201	12	3
234	The reduction of interfacial transfer barrier of Li ions enabled by inorganics-rich solid-electrolyte interphase. *Energy Storage Materials*, **2020**, 28, 401-406	19.4	38
233	Electrolyte Regulation towards Stable Lithium-Metal Anodes in Lithium–Sulfur Batteries with Sulfurized Polyacrylonitrile Cathodes. *Angewandte Chemie*, **2020**, 132, 10821-10834	3.6	17
232	A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions. *Angewandte Chemie - International Edition*, **2020**, 59, 3252-3257	16.4	127
231	A compact inorganic layer for robust anode protection in lithium-sulfur batteries. *Informa[illegible] Materi[illegible]*, **2020**, 2, 379-388	23.1	133
230	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	12	40
229	Redox Comediation with Organopolysulfides in Working Lithium-Sulfur Batteries. *CheM*, **2020**, 6, 3297-3311	24.2	84
228	Long lifespan and high-rate Zn anode boosted by 3D porous structure and conducting network. *Journal of Power Sources*, **2020**, 479, 228808	8.9	15
227	A bifunctional ethylene-vinyl acetate copolymer protective layer for dendrites-free lithium metal anodes. *Journal of Energy Chemistry*, **2020**, 48, 203-207	12	51
226	Advanced energy materials for flexible batteries in energy storage: A review. *SmartMat*, **2020**, 1,	22.8	93
225	Shielding Polysulfide Intermediates by an Organosulfur-Containing Solid Electrolyte Interphase on the Lithium Anode in Lithium-Sulfur Batteries. *Advanced Materials*, **2020**, 32, e2003012	24	53
224	Rapid Lithium Diffusion in Order@Disorder Pathways for Fast-Charging Graphite Anodes. *Small Structures*, **2020**, 1, 2000010	8.7	51
223	Direct Intermediate Regulation Enabled by Sulfur Containers in Working Lithium–Sulfur Batteries. *Angewandte Chemie*, **2020**, 132, 22334-22339	3.6	6

222	Direct Intermediate Regulation Enabled by Sulfur Containers in Working Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 22150-22155	16.4	25
221	Dictating High-Capacity Lithium–Sulfur Batteries through Redox-Mediated Lithium Sulfide Growth. *Small Methods*, **2020**, 4, 1900344	12.8	58
220	Improved interfacial electronic contacts powering high sulfur utilization in all-solid-state lithium–sulfur batteries. *Energy Storage Materials*, **2020**, 25, 436-442	19.4	42
219	Perspective on the critical role of interface for advanced batteries. *Journal of Energy Chemistry*, **2020**, 47, 217-220	12	82
218	Lithium-Schwefel-Batterien mit Magerelektrolyt: Herausforderungen und Perspektiven. *Angewandte Chemie*, **2020**, 132, 12736-12753	3.6	17
217	Liquid phase therapy to solid electrolyte–electrode interface in solid-state Li metal batteries: A review. *Energy Storage Materials*, **2020**, 24, 75-84	19.4	109
216	Designing solid-state interfaces on lithium-metal anodes: a review. *Science China Chemistry*, **2019**, 62, 1286-1299	7.9	61
215	Sulfur Redox Reactions at Working Interfaces in Lithium–Sulfur Batteries: A Perspective. *Advanced Materials Interfaces*, **2019**, 6, 1802046	4.6	95
214	Graphene-based Fe-coordinated framework porphyrin as an interlayer for lithium–sulfur batteries. *Materials Chemistry Frontiers*, **2019**, 3, 615-619	7.8	33
213	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge **2019**, 1, 217-229		85
212	Safe Lithium-Metal Anodes for Li–O2 Batteries: From Fundamental Chemistry to Advanced Characterization and Effective Protection. *Batteries and Supercaps*, **2019**, 2, 638-658	5.6	48
211	Current-density dependence of Li2S/Li2S2 growth in lithium–sulfur batteries. *Energy and Environmental Science*, **2019**, 12, 2976-2982	35.4	67
210	Regulating the Inner Helmholtz Plane for Stable Solid Electrolyte Interphase on Lithium Metal Anodes. *Journal of the American Chemical Society*, **2019**, 141, 9422-9429	16.4	216
209	Lithium-Metal Anodes: Dual-Phase Single-Ion Pathway Interfaces for Robust Lithium Metal in Working Batteries (Adv. Mater. 19/2019). *Advanced Materials*, **2019**, 31, 1970135	24	1
208	Transition metal coordinated framework porphyrin for electrocatalytic oxygen reduction. *Chinese Chemical Letters*, **2019**, 30, 911-914	8.1	30
207	Nonuniform Redistribution of Sulfur and Lithium upon Cycling: Probing the Origin of Capacity Fading in Lithium–Sulfur Pouch Cells. *Energy Technology*, **2019**, 7, 1900111	3.5	24
206	Dual-Phase Single-Ion Pathway Interfaces for Robust Lithium Metal in Working Batteries. *Advanced Materials*, **2019**, 31, e1808392	24	162
205	3D Hierarchical Porous Graphene-Based Energy Materials: Synthesis, Functionalization, and Application in Energy Storage and Conversion. *Electrochemical Energy Reviews*, **2019**, 2, 332-371	29.3	59

204	A review of rechargeable batteries for portable electronic devices. *InformaMaterIly*, **2019**, 1, 6-32	23.1	400
203	Fast Charging Lithium Batteries: Recent Progress and Future Prospects. *Small*, **2019**, 15, e1805389	11	151
202	Thickening and Homogenizing Aqueous Electrolyte towards Highly Efficient and Stable Zn Metal Batteries. *Journal of the Electrochemical Society*, **2019**, 166, A1211-A1216	3.9	45
201	A metal nitride interlayer for long life lithium sulfur batteries. *Journal of Energy Chemistry*, **2019**, 29, 1-2	12	15
200	Artificial Interphases for Highly Stable Lithium Metal Anode. *Matter*, **2019**, 1, 317-344	12.7	303
199	Inspirations from Chinese Ancient Wisdom: Strategies toward Stable Interfaces in Batteries. *Matter*, **2019**, 1, 300-301	12.7	2
198	Electrochemical Diagram of an Ultrathin Lithium Metal Anode in Pouch Cells. *Advanced Materials*, **2019**, 31, e1902785	24	78
197	4.5 V High-Voltage Rechargeable Batteries Enabled by the Reduction of Polarization on the Lithium Metal Anode. *Angewandte Chemie - International Edition*, **2019**, 58, 15235-15238	16.4	24
196	4.5 V High-Voltage Rechargeable Batteries Enabled by the Reduction of Polarization on the Lithium Metal Anode. *Angewandte Chemie*, **2019**, 131, 15379-15382	3.6	3
195	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	8.9	21
194	Lithium-Anode Protection in LithiumSulfur Batteries. *Trends in Chemistry*, **2019**, 1, 693-704	14.8	65
193	A review of naturally derived nanostructured materials for safe lithium metal batteries. *Materials Today Nano*, **2019**, 8, 100049	9.7	26
192	Recent advances in understanding dendrite growth on alkali metal anodes. *EnergyChem*, **2019**, 1, 100003	36.9	97
191	Implanting Atomic Cobalt within Mesoporous Carbon toward Highly Stable Lithium-Sulfur Batteries. *Advanced Materials*, **2019**, 31, e1903813	24	215
190	A Coaxial-Interweaved Hybrid Lithium Metal Anode for Long-Lifespan Lithium Metal Batteries. *Advanced Energy Materials*, **2019**, 9, 1901932	21.8	44
189	Plating/Stripping Behavior of Actual Lithium Metal Anode. *Advanced Energy Materials*, **2019**, 9, 1902254	21.8	109
188	MnO2 nanofibers/carbon nanotubes hierarchically assembled microspheres: Approaching practical applications of high-performance aqueous Zn-ion batteries. *Journal of Power Sources*, **2019**, 443, 227244	8.9	54
187	Innentitelbild: 4.5 V High-Voltage Rechargeable Batteries Enabled by the Reduction of Polarization on the Lithium Metal Anode (Angew. Chem. 43/2019). *Angewandte Chemie*, **2019**, 131, 15306-15306	3.6	

186	Metal-organic framework-derived hierarchical CoO@MnCoO nanocubes with enhanced electrocatalytic activity for Na-O batteries. *Nanoscale*, **2019**, 11, 5285-5294	7.7	19
185	Expediting redox kinetics of sulfur species by atomic-scale electrocatalysts in lithium–sulfur batteries. *Information Materials*, **2019**, 1, 533-541	23.1	196
184	Carbon materials for traffic power battery. *ETransportation*, **2019**, 2, 100033	12.7	28
183	Towards full demonstration of high areal loading sulfur cathode in lithium–sulfur batteries. *Journal of Energy Chemistry*, **2019**, 39, 17-22	12	66
182	Lithiophilic LiC Layers on Carbon Hosts Enabling Stable Li Metal Anode in Working Batteries. *Advanced Materials*, **2019**, 31, e1807131	24	177
181	Regulating Anions in the Solvation Sheath of Lithium Ions for Stable Lithium Metal Batteries. *ACS Energy Letters*, **2019**, 4, 411-416	20.1	176
180	Innentitelbild: Activating Inert Metallic Compounds for High-Rate Lithium–Sulfur Batteries Through In Situ Etching of Extrinsic Metal (Angew. Chem. 12/2019). *Angewandte Chemie*, **2019**, 131, 3692-3692	3.6	1
179	Conductive and Catalytic Triple-Phase Interfaces Enabling Uniform Nucleation in High-Rate Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2019**, 9, 1802768	21.8	347
178	Activating Inert Metallic Compounds for High-Rate Lithium-Sulfur Batteries Through In Situ Etching of Extrinsic Metal. *Angewandte Chemie - International Edition*, **2019**, 58, 3779-3783	16.4	204
177	Activating Inert Metallic Compounds for High-Rate Lithium–Sulfur Batteries Through In Situ Etching of Extrinsic Metal. *Angewandte Chemie*, **2019**, 131, 3819-3823	3.6	34
176	Lithium–matrix composite anode protected by a solid electrolyte layer for stable lithium metal batteries. *Journal of Energy Chemistry*, **2019**, 37, 29-34	12	175
175	Highly Stable Lithium Metal Batteries Enabled by Regulating the Solvation of Lithium Ions in Nonaqueous Electrolytes. *Angewandte Chemie - International Edition*, **2018**, 57, 5301-5305	16.4	402
174	Highly Stable Lithium Metal Batteries Enabled by Regulating the Solvation of Lithium Ions in Nonaqueous Electrolytes. *Angewandte Chemie*, **2018**, 130, 5399-5403	3.6	97
173	Dual-Layered Film Protected Lithium Metal Anode to Enable Dendrite-Free Lithium Deposition. *Advanced Materials*, **2018**, 30, e1707629	24	278
172	Porphyrin-Derived Graphene-Based Nanosheets Enabling Strong Polysulfide Chemisorption and Rapid Kinetics in Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2018**, 8, 1800849	21.8	172
171	Ion–Solvent Complexes Promote Gas Evolution from Electrolytes on a Sodium Metal Anode. *Angewandte Chemie*, **2018**, 130, 742-745	3.6	22
170	Artificial Soft–Rigid Protective Layer for Dendrite-Free Lithium Metal Anode. *Advanced Functional Materials*, **2018**, 28, 1705838	15.6	355
169	Innentitelbild: Ion–Solvent Complexes Promote Gas Evolution from Electrolytes on a Sodium Metal Anode (Angew. Chem. 3/2018). *Angewandte Chemie*, **2018**, 130, 606-606	3.6	

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