Feng Wu

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#	Paper	IF	Citations
310	The pursuit of solid-state electrolytes for lithium batteries: from comprehensive insight to emerging horizons. <i>Materials Horizons</i> , 2016 , 3, 487-516	14.4	414
309	Sustainable Recycling Technology for Li-Ion Batteries and Beyond: Challenges and Future Prospects. <i>Chemical Reviews</i> , 2020 , 120, 7020-7063	68.1	358
308	Sustainable nitrogen-doped porous carbon with high surface areas prepared from gelatin for supercapacitors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19088		331
307	Ni-Rich LiNiCoMnO Oxide Coated by Dual-Conductive Layers as High Performance Cathode Material for Lithium-Ion Batteries. <i>ACS Applied Materials & District Materials</i> , 2017, 9, 29732-29743	9.5	224
306	Effect of Ni(2+) content on lithium/nickel disorder for Ni-rich cathode materials. <i>ACS Applied Materials & Amp; Interfaces</i> , 2015 , 7, 7702-8	9.5	223
305	Spinel/layered heterostructured cathode material for high-capacity and high-rate Li-ion batteries. <i>Advanced Materials</i> , 2013 , 25, 3722-6	24	222
304	Effects of Mg doping on the remarkably enhanced electrochemical performance of Na3V2(PO4)3 cathode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9578-9586	13	197
303	Ultrathin spinel membrane-encapsulated layered lithium-rich cathode material for advanced Li-ion batteries. <i>Nano Letters</i> , 2014 , 14, 3550-5	11.5	197
302	Electrochemically activated spinel manganese oxide for rechargeable aqueous aluminum battery. <i>Nature Communications</i> , 2019 , 10, 73	17.4	169
301	Nitrogen-Rich Mesoporous Carbon as Anode Material for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials & District Material</i>	9.5	168
300	Process for recycling mixed-cathode materials from spent lithium-ion batteries and kinetics of leaching. <i>Waste Management</i> , 2018 , 71, 362-371	8.6	163
299	Improvement of Rate and Cycle Performence by Rapid Polyaniline Coating of a MWCNT/Sulfur Cathode. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24411-24417	3.8	162
298	Multifunctional AlPO4 coating for improving electrochemical properties of low-cost Li[Li0.2Fe0.1Ni0.15Mn0.55]O2 cathode materials for lithium-ion batteries. <i>ACS Applied Materials & Amp; Interfaces</i> , 2015 , 7, 3773-81	9.5	160
297	Biomimetic ant-nest ionogel electrolyte boosts the performance of dendrite-free lithium batteries. <i>Energy and Environmental Science</i> , 2017 , 10, 1660-1667	35.4	157
296	An effective approach to protect lithium anode and improve cycle performance for Li-S batteries. <i>ACS Applied Materials & Discrete Section 2014</i> , 6, 15542-9	9.5	143
295	Electrolytes and Electrolyte/Electrode Interfaces in Sodium-Ion Batteries: From Scientific Research to Practical Application. <i>Advanced Materials</i> , 2019 , 31, e1808393	24	141
294	Paving the Path toward Reliable Cathode Materials for Aluminum-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1806510	24	138

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293	The Recycling of Spent Lithium-Ion Batteries: a Review of Current Processes and Technologies. Electrochemical Energy Reviews, 2018 , 1, 461-482	29.3	131
292	Anion-effects on electrochemical properties of ionic liquid electrolytes for rechargeable aluminum batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22677-22686	13	129
291	3D-0D Graphene-FeO Quantum Dot Hybrids as High-Performance Anode Materials for Sodium-Ion Batteries. <i>ACS Applied Materials & Acs Applied & Acs </i>	9.5	125
290	Insights into the Na+ Storage Mechanism of Phosphorus-Functionalized Hard Carbon as Ultrahigh Capacity Anodes. <i>Advanced Energy Materials</i> , 2018 , 8, 1702781	21.8	124
289	Freestanding three-dimensional core-shell nanoarrays for lithium-ion battery anodes. <i>Nature Communications</i> , 2016 , 7, 11774	17.4	124
288	A High-Efficiency CoSe Electrocatalyst with Hierarchical Porous Polyhedron Nanoarchitecture for Accelerating Polysulfides Conversion in Li-S Batteries. <i>Advanced Materials</i> , 2020 , 32, e2002168	24	123
287	Phosphorus-Doped Hard Carbon Nanofibers Prepared by Electrospinning as an Anode in Sodium-Ion Batteries. <i>ACS Applied Materials & Acs Applied & Acs Applied Materials & Acs Applied & Acs Ap</i>	9.5	119
286	Anode Interface Engineering and Architecture Design for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2019 , 31, e1806532	24	109
285	Solid-State Li-Ion Batteries Using Fast, Stable, Glassy Nanocomposite Electrolytes for Good Safety and Long Cycle-Life. <i>Nano Letters</i> , 2016 , 16, 1960-8	11.5	103
284	Chemical Inhibition Method to Synthesize Highly Crystalline Prussian Blue Analogs for Sodium-Ion Battery Cathodes. <i>ACS Applied Materials & Amp; Interfaces</i> , 2016 , 8, 31669-31676	9.5	102
283	Co-Construction of Sulfur Vacancies and Heterojunctions in Tungsten Disulfide to Induce Fast Electronic/Ionic Diffusion Kinetics for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2020 , 32, e2005802	24	100
282	Systematic Effect for an Ultralong Cycle Lithium-Sulfur Battery. <i>Nano Letters</i> , 2015 , 15, 7431-9	11.5	98
281	Development and Challenges of Functional Electrolytes for High-Performance LithiumBulfur Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1800919	15.6	98
280	Enhanced Sodium Ion Storage Behavior of P2-Type Na(2/3)Fe(1/2)Mn(1/2)O2 Synthesized via a Chelating Agent Assisted Route. <i>ACS Applied Materials & Amp; Interfaces</i> , 2016 , 8, 2857-65	9.5	97
279	3D coral-like nitrogen-sulfur co-doped carbon-sulfur composite for high performance lithium-sulfur batteries. <i>Scientific Reports</i> , 2015 , 5, 13340	4.9	96
278	Novel solid-state Li/LiFePOIbattery configuration with a ternary nanocomposite electrolyte for practical applications. <i>Advanced Materials</i> , 2011 , 23, 5081-5	24	95
277	The role of yttrium content in improving electrochemical performance of layered lithium-rich cathode materials for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9760	13	94
276	Open-Structured V2O5[hH2O Nanoflakes as Highly Reversible Cathode Material for Monovalent and Multivalent Intercalation Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1602720	21.8	91

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Nature-Inspired NaTiO Nanosheets-Formed Three-Dimensional Microflowers Architecture as a High-Performance Anode Material for Rechargeable Sodium-Ion Batteries. ACS Applied Materials

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257	High voltage and safe electrolytes based on ionic liquid and sulfone for lithium-ion batteries. Journal of Power Sources, 2013 , 233, 115-120	8.9	79	
256	Liquid-in-SolidLand Bolid-in-LiquidLectrolytes with High Rate Capacity and Long Cycling Life for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2016 , 28, 848-856	9.6	78	
255	Recent progress on MOF-derived carbon materials for energy storage 2020 , 2, 176-202		76	
254	Engineered biochar from biofuel residue: characterization and its silver removal potential. <i>ACS Applied Materials & Discourse (Materials & Discourse)</i> , 7, 10634-40	9.5	75	
253	Platinum-Coated Hollow Graphene Nanocages as Cathode Used in Lithium-Oxygen Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 7626-7633	15.6	75	
252	Hierarchical Mesoporous Lithium-Rich Li[Li0.2Ni0.2Mn0.6]O2 Cathode Material Synthesized via Ice Templating for Lithium-Ion Battery. <i>ACS Applied Materials & Discrete Materials &</i>	9.5	74	
251	Selective Recovery of Li and Fe from Spent Lithium-Ion Batteries by an Environmentally Friendly Mechanochemical Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11029-11035	8.3	73	
250	Preparation of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. <i>ACS Applied Materials & Description of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. ACS Applied Materials & Description of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. ACS Applied Materials & Description of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. ACS Applied Materials & Description of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. ACS Applied Materials & Description of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. ACS Applied Materials & Description of Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Na-Ion Battery Cathodes. ACS Applied Materials & Description Frus Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Prussian Blue Submicron Particles with a Pore Structure by Two-Step Optimization for Prussian Blue Submicron Particles with Action Prussian Blue Submicro P</i>	9.5	71	
249	Use of Ce to Reinforce the Interface of Ni-Rich LiNi Co Mn O Cathode Materials for Lithium-Ion Batteries under High Operating Voltage. <i>ChemSusChem</i> , 2019 , 12, 935-943	8.3	71	
248	A Chemical Precipitation Method Preparing Hollow-Core-Shell Heterostructures Based on the Prussian Blue Analogs as Cathode for Sodium-Ion Batteries. <i>Small</i> , 2018 , 14, e1801246	11	70	
247	Preparation and electrochemical performance of Li-rich layered cathode material, Li[Ni0.2Li0.2Mn0.6]O2, for lithium-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 783-789	2.6	70	
246	Butylene sulfite as a film-forming additive to propylene carbonate-based electrolytes for lithium ion batteries. <i>Journal of Power Sources</i> , 2007 , 172, 395-403	8.9	70	
245	Highly Safe Ionic Liquid Electrolytes for Sodium-Ion Battery: Wide Electrochemical Window and Good Thermal Stability. <i>ACS Applied Materials & Amp; Interfaces</i> , 2016 , 8, 21381-6	9.5	69	
244	New Binary Room-Temperature Molten Salt Electrolyte Based on Urea and LiTFSI. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 9966-9969	3.4	66	
243	Facile Synthesis of Boron-Doped rGO as Cathode Material for High Energy Li-O2 Batteries. <i>ACS Applied Materials & Discourse Material</i>	9.5	65	
242	Nature-Inspired, Graphene-Wrapped 3D MoS Ultrathin Microflower Architecture as a High-Performance Anode Material for Sodium-Ion Batteries. <i>ACS Applied Materials & Diterfaces</i> , 2019 , 11, 22323-22331	9.5	64	
241	Expanding Interlayer Spacing of Hard Carbon by Natural K Doping to Boost Na-Ion Storage. <i>ACS Applied Materials & Doping Land </i>	9.5	64	
240	A 3D flower-like VO2/MXene hybrid architecture with superior anode performance for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1315-1322	13	63	

239	Vitamin K as a high-performance organic anode material for rechargeable potassium ion batteries. Journal of Materials Chemistry A, 2018 , 6, 12559-12564	13	62
238	Ultrathin Surface Coating of Nitrogen-Doped Graphene Enables Stable Zinc Anodes for Aqueous Zinc-Ion Batteries. <i>Advanced Materials</i> , 2021 , 33, e2101649	24	62
237	A Comprehensive Review of the Advancement in Recycling the Anode and Electrolyte from Spent Lithium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 13527-13554	8.3	61
236	Light-weight functional layer on a separator as a polysulfide immobilizer to enhance cycling stability for lithiumBulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17033-17041	13	61
235	Mesocarbon Microbead Carbon-Supported Magnesium Hydroxide Nanoparticles: Turning Spent Li-ion Battery Anode into a Highly Efficient Phosphate Adsorbent for Wastewater Treatment. <i>ACS Applied Materials & Discourse (Materials & Discourse)</i> 1, 21315-25	9.5	58
234	A Li+ conductive metal organic framework electrolyte boosts the high-temperature performance of dendrite-free lithium batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9530-9536	13	57
233	Gluing Carbon Black and Sulfur at Nanoscale: A Polydopamine-Based Nano-Binderlfor Double-Shelled Sulfur Cathodes. <i>Advanced Energy Materials</i> , 2017 , 7, 1601591	21.8	57
232	Kinetics Tuning the Electrochemistry of Lithium Dendrites Formation in Lithium Batteries through Electrolytes. <i>ACS Applied Materials & Amp; Interfaces</i> , 2017 , 9, 7003-7008	9.5	56
231	Preparation of MnO-Modified Graphite Sorbents from Spent Li-Ion Batteries for the Treatment of Water Contaminated by Lead, Cadmium, and Silver. <i>ACS Applied Materials & District Action Science</i> , 2017, 9, 25	3 <i>6</i> 9 ⁵ 25	3₹8
230	Facile low-temperature one-step synthesis of pomelo peel biochar under air atmosphere and its adsorption behaviors for Ag(I) and Pb(II). <i>Science of the Total Environment</i> , 2018 , 640-641, 73-79	10.2	55
229	Flexible Hydrogel Electrolyte with Superior Mechanical Properties Based on Poly(vinyl alcohol) and Bacterial Cellulose for the Solid-State Zinc-Air Batteries. <i>ACS Applied Materials & Discrete Amp; Interfaces</i> , 2019 , 11, 15537-15542	9.5	53
228	In Situ Analysis of Gas Generation in Lithium-Ion Batteries with Different Carbonate-Based Electrolytes. <i>ACS Applied Materials & Acs Applied & Acs Applie</i>	9.5	52
227	An Effectively Activated Hierarchical Nano-/Microspherical Li1.2Ni0.2Mn0.6O2 Cathode for Long-Life and High-Rate Lithium-Ion Batteries. <i>ChemSusChem</i> , 2016 , 9, 728-35	8.3	52
226	Stable CarbonBelenium Bonds for Enhanced Performance in Tremella-Like 2D Chalcogenide Battery Anode. <i>Advanced Energy Materials</i> , 2018 , 8, 1800927	21.8	52
225	Cationic polymer binder inhibit shuttle effects through electrostatic confinement in lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6959-6966	13	51
224	A green and effective room-temperature recycling process of LiFePO cathode materials for lithium-ion batteries. <i>Waste Management</i> , 2019 , 85, 437-444	8.6	50
223	Removal of sulfamethoxazole (SMX) and sulfapyridine (SPY) from aqueous solutions by biochars derived from anaerobically digested bagasse. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 25659-25667	5.1	50
222	Low-Temperature Molten-Salt-Assisted Recovery of Valuable Metals from Spent Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16144-16150	8.3	49

221	Polyethylene-glycol-doped polypyrrole increases the rate performance of the cathode in lithium-sulfur batteries. <i>ChemSusChem</i> , 2013 , 6, 1438-44	8.3	49	
220	Quick Activation of Nanoporous Anatase TiO as High-Rate and Durable Anode Materials for Sodium-Ion Batteries. <i>ACS Applied Materials & Amp; Interfaces</i> , 2017 , 9, 39432-39440	9.5	48	
219	Toward 5 V Li-Ion Batteries: Quantum Chemical Calculation and Electrochemical Characterization of Sulfone-Based High-Voltage Electrolytes. <i>ACS Applied Materials & Distriction (Control of Applied Materials)</i> 107 Materials 2015, 7, 15098-107	9.5	48	
218	Electrocatalytic Interlayer with Fast Lithium P olysulfides Diffusion for Lithium B ulfur Batteries to Enhance Electrochemical Kinetics under Lean Electrolyte Conditions. <i>Advanced Functional Materials</i> , 2020 , 30, 2000742	15.6	48	
217	Microsphere-Like SiO /MXene Hybrid Material Enabling High Performance Anode for Lithium Ion Batteries. <i>Small</i> , 2020 , 16, e1905430	11	48	
216	Hierarchical mesoporous/macroporous Co3O4 ultrathin nanosheets as free-standing catalysts for rechargeable lithiumBxygen batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17620-17626	13	47	
215	New synthesis of a Foamlike Fe3O4/C composite via a self-expanding process and its electrochemical performance as anode material for lithium-ion batteries. <i>ACS Applied Materials & Amp; Interfaces</i> , 2014 , 6, 19254-64	9.5	47	
214	Chemical Synthesis of K2S2 and K2S3 for Probing Electrochemical Mechanisms in KB Batteries. <i>ACS Energy Letters</i> , 2018 , 3, 2858-2864	20.1	47	
213	An interfacial framework for breaking through the Li-ion transport barrier of Li-rich layered cathode materials. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24292-24298	13	46	
212	An MXene/CNTs@P nanohybrid with stable Ti DP bonds for enhanced lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21766-21773	13	45	
211	Electrochemical Properties of the LiNiCoMnO Cathode Material Modified by Lithium Tungstate under High Voltage. <i>ACS Applied Materials & Materials & Modified Section</i> 10, 19704-19711	9.5	45	
210	Polypyrrole-Modified Prussian Blue Cathode Material for Potassium Ion Batteries via In Situ Polymerization Coating. <i>ACS Applied Materials & Amp; Interfaces</i> , 2019 , 11, 22339-22345	9.5	44	
209	Electrospun composite of ZnO/Cu nanocrystals-implanted carbon fibers as an anode material with high rate capability for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4309	13	44	
208	Designing Realizable and Scalable Techniques for Practical Lithium Sulfur Batteries: A Perspective. Journal of Physical Chemistry Letters, 2018 , 9, 1398-1414	6.4	43	
207	Enhanced Electrochemical Performance of Layered Lithium-Rich Cathode Materials by Constructing Spinel-Structure Skin and Ferric Oxide Islands. <i>ACS Applied Materials & District Research</i> , 2017, 9, 8669-86	78 ^{.5}	42	
206	An "Ether-In-Water" Electrolyte Boosts Stable Interfacial Chemistry for Aqueous Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020 , 32, e2004017	24	42	
205	High-Mass-Loading Electrodes for Advanced Secondary Batteries and Supercapacitors. <i>Electrochemical Energy Reviews</i> , 2021 , 4, 382-446	29.3	41	
204	Mille-feuille shaped hard carbons derived from polyvinylpyrrolidone via environmentally friendly electrostatic spinning for sodium ion battery anodes. <i>RSC Advances</i> , 2017 , 7, 5519-5527	3.7	40	

203	Microorganism-moulded pomegranate-like Na3V2(PO4)3/C nanocomposite for advanced sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9982-9990	13	40
202	Fluffy carbon-coated red phosphorus as a highly stable and high-rate anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11205-11213	13	39
201	High-Rate, Durable Sodium-Ion Battery Cathode Enabled by Carbon-Coated Micro-Sized Na3V2(PO4)3 Particles with Interconnected Vertical Nanowalls. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500740	4.6	39
200	Study of the electrochemical characteristics of sulfonyl isocyanate/sulfone binary electrolytes for use in lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 202, 322-331	8.9	38
199	A hybrid solid electrolyte Li0.33La0.557TiO3/poly(acylonitrile) membrane infiltrated with a succinonitrile-based electrolyte for solid state lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 706-713	13	38
198	Self-Assembly of 0D-2D Heterostructure Electrocatalyst from MOF and MXene for Boosted Lithium Polysulfide Conversion Reaction. <i>Advanced Materials</i> , 2021 , 33, e2101204	24	38
197	Building an Electronic Bridge via Ag Decoration To Enhance Kinetics of Iron Fluoride Cathode in Lithium-Ion Batteries. <i>ACS Applied Materials & Enhance Kinetics</i> , 2017 , 9, 19852-19860	9.5	37
196	Boron-doped microporous nano carbon as cathode material for high-performance Li-S batteries. <i>Nano Research</i> , 2017 , 10, 426-436	10	37
195	Lithium-Rich Nanoscale Li1.2Mn0.54Ni0.13Co0.13O2 Cathode Material Prepared by Co-Precipitation Combined Freeze Drying (CPED) for Lithium-Ion Batteries. <i>Energy Technology</i> , 2015 , 3, 843-850	3.5	37
194	Capacitive Energy Storage on Fe/Li3PO4 Grain Boundaries. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3803-3808	3.8	37
193	Elucidating the Mechanism of Fast Na Storage Kinetics in Ether Electrolytes for Hard Carbon Anodes. <i>Advanced Materials</i> , 2021 , 33, e2008810	24	37
192	Multilayered Electride CaN Electrode via Compression Molding Fabrication for Sodium Ion Batteries. <i>ACS Applied Materials & Date of Society</i> 10, 100 (1997) 100 (1997	9.5	36
191	Enhanced Electrochemical Kinetics with Highly Dispersed Conductive and Electrocatalytic Mediators for Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2021 , 33, e2100810	24	35
190	A Soft Lithiophilic Graphene Aerogel for Stable Lithium Metal Anode. <i>Advanced Functional Materials</i> , 2020 , 30, 2002013	15.6	34
189	Toward Rapid-Charging Sodium-Ion Batteries using Hybrid-Phase Molybdenum Sulfide Selenide-Based Anodes. <i>Advanced Materials</i> , 2020 , 32, e2003534	24	34
188	Carbon Nanofiber Elastically Confined Nanoflowers: A Highly Efficient Design for Molybdenum Disulfide-Based Flexible Anodes Toward Fast Sodium Storage. <i>ACS Applied Materials & Amp; Interfaces</i> , 2019 , 11, 5183-5192	9.5	34
187	Density Functional Theory Research into the Reduction Mechanism for the Solvent/Additive in a Sodium-Ion Battery. <i>ChemSusChem</i> , 2017 , 10, 786-796	8.3	33
186	Mg-Enriched Engineered Carbon from Lithium-Ion Battery Anode for Phosphate Removal. <i>ACS Applied Materials & Distriction (Control of the Control of the Cont</i>	9.5	33

185	Stable nanostructured cathode with polycrystalline Li-deficient Li0.28Co0.29Ni0.30Mn0.20O2 for lithium-ion batteries. <i>Nano Letters</i> , 2014 , 14, 1281-7	11.5	33
184	A diisocyanate/sulfone binary electrolyte based on lithium difluoro(oxalate)borate for lithium batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3659	13	33
183	Lithium Induced Nano-Sized Copper with Exposed Lithiophilic Surfaces to Achieve Dense Lithium Deposition for Lithium Metal Anode. <i>Advanced Functional Materials</i> , 2021 , 31, 2006950	15.6	33
182	Multi-electron Reaction Materials for High-Energy-Density Secondary Batteries: Current Status and Prospective. <i>Electrochemical Energy Reviews</i> , 2021 , 4, 35-66	29.3	33
181	3D Reticular LiNiMnO Cathode Material for Lithium-Ion Batteries. <i>ACS Applied Materials & Amp; Interfaces</i> , 2017 , 9, 1516-1523	9.5	32
180	Improving the Structure Stability of LiNiCoMnO by Surface Perovskite-like LaNiLiO Self-Assembling and Subsurface La Doping. <i>ACS Applied Materials & Samp; Interfaces</i> , 2019 , 11, 36751-36762	9.5	32
179	Scalable Preparation of Ternary Hierarchical Silicon Oxide-Nickel-Graphite Composites for Lithium-Ion Batteries. <i>ChemSusChem</i> , 2015 , 8, 4073-80	8.3	32
178	Role of Cobalt Content in Improving the Low-Temperature Performance of Layered Lithium-Rich Cathode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & District Communication Communication</i>	9.5	31
177	Inhibition of Crystallization of Poly(ethylene oxide) by Ionic Liquid: Insight into Plasticizing Mechanism and Application for Solid-State Sodium Ion Batteries. <i>ACS Applied Materials & ACS Applied Materials & Interfaces</i> , 2019 , 11, 43252-43260	9.5	31
176	Surface modification of a cobalt-free layered Li[Li0.2Fe0.1Ni0.15Mn0.55]O2 oxide with the FePO4/Li3PO4 composite as the cathode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9528-9537	13	31
175	In situ formation of a LiF and LiAl alloy anode protected layer on a Li metal anode with enhanced cycle life. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1247-1253	13	31
174	Competitive Solvation Enhanced Stability of Lithium Metal Anode in Dual-Salt Electrolyte. <i>Nano Letters</i> , 2021 , 21, 3310-3317	11.5	31
173	Confined Growth of Nano-NaV(PO) in Porous Carbon Framework for High-Rate Na-Ion Storage. <i>ACS Applied Materials & Applied & Applied Materials & Applied & Ap</i>	9.5	31
172	Synergistic Effects of Stabilizing the Surface Structure and Lowering the Interface Resistance in Improving the Low-Temperature Performances of Layered Lithium-Rich Materials. <i>ACS Applied Materials & Samp; Interfaces</i> , 2017 , 9, 8641-8648	9.5	29
171	Freestanding highly defect nitrogen-enriched carbon nanofibers for lithium ion battery thin-film anodes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5532-5540	13	28
170	Strongly Coupled Carbon Nanosheets/Molybdenum Carbide Nanocluster Hollow Nanospheres for High-Performance Aprotic Li-O Battery. <i>Small</i> , 2018 , 14, e1704366	11	28
169	High-Capacity Interstitial Mn-Incorporated MnFeO/Graphene Nanocomposite for Sodium-Ion Battery Anodes. <i>ACS Applied Materials & Samp; Interfaces</i> , 2019 , 11, 37812-37821	9.5	27
168	Hand-in-Hand Reinforced rGO Film Used as an Auxiliary Functional Layer for High-Performance Li-S Batteries. <i>ACS Applied Materials & Amp; Interfaces</i> , 2019 , 11, 12544-12553	9.5	27

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