Ya-Xia Yin

List of Publications by Year in Descending Order

179 papers	24,698 citations	81 h-index	156 g-index
189 ext. papers	28,738 ext. citations	13.3 avg, IF	7.59 L-index

#	Paper	IF	Citations
179	Competitive Doping Chemistry for Nickel-Rich Layered Oxide Cathode Materials.. *Angewandte Chemie - International Edition*, **2022**,	16.4	5
178	koLayered Oxide Cathode-Electrolyte Interface towards Na-Ion Batteries: Advances and Perspectives.. *Chemistry - an Asian Journal*, **2022**, e202200213	4.5	
177	Stabilizing the Electrochemistry of Lithium-Selenium Battery via In situ Gelated Polymer Electrolyte: A Look from Anode. *Chemical Research in Chinese Universities*, **2021**, 37, 298-303	2.2	1
176	Bridging Interparticle Li Conduction in a Soft Ceramic Oxide Electrolyte. *Journal of the American Chemical Society*, **2021**, 143, 5717-5726	16.4	44
175	Formulating the Electrolyte Towards High-Energy and Safe Rechargeable Lithium-Metal Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 16554-16560	16.4	30
174	Formulating the Electrolyte Towards High-Energy and Safe Rechargeable Lithium□Metal Batteries. *Angewandte Chemie*, **2021**, 133, 16690-16696	3.6	6
173	Solidifying Cathode□Electrolyte Interface for Lithium□Sulfur Batteries. *Advanced Energy Materials*, **2021**, 11, 2000791	21.8	38
172	Manipulating Electrode/Electrolyte Interphases of Sodium-Ion Batteries: Strategies and Perspectives **2021**, 3, 18-41		30
171	A Stable Biomass-Derived Hard Carbon Anode for High-Performance Sodium-Ion Full Battery. *Energy Technology*, **2021**, 9, 2000730	3.5	4
170	Insights into the pre-oxidation process of phenolic resin-based hard carbon for sodium storage. *Materials Chemistry Frontiers*, **2021**, 5, 3911-3917	7.8	5
169	Increased residual lithium compounds guided design for green recycling of spent lithium-ion cathodes. *Energy and Environmental Science*, **2021**, 14, 1461-1468	35.4	30
168	Constructing a stable interface between the sulfide electrolyte and the Li metal anode via a Li+-conductive gel polymer interlayer. *Materials Chemistry Frontiers*, **2021**, 5, 5328-5335	7.8	1
167	Insights on Electrochemical Behaviors of Sodium Peroxide as a Sacrificial Cathode Additive for Boosting Energy Density of Na-Ion Battery. *ACS Applied Materials & Interfaces*, **2021**, 13, 2772-2778	9.5	11
166	P3/O3 Integrated Layered Oxide as High-Power and Long-Life Cathode toward Na-Ion Batteries. *Small*, **2021**, 17, e2007236	11	10
165	Boron-doped sodium layered oxide for reversible oxygen redox reaction in Na-ion battery cathodes. *Nature Communications*, **2021**, 12, 5267	17.4	21
164	A Rational Reconfiguration of Electrolyte for High-Energy and Long-Life Lithium-Chalcogen Batteries. *Advanced Materials*, **2020**, 32, e2000302	24	42
163	Enabling SiO/C Anode with High Initial Coulombic Efficiency through a Chemical Pre-Lithiation Strategy for High-Energy-Density Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 27202-27209	9.5	40

162	High-Efficiency Cathode Sodium Compensation for Sodium-Ion Batteries. *Advanced Materials*, **2020**, 32, e2001419	24	60
161	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithium-Metal Batteries. *Angewandte Chemie*, **2020**, 132, 6647-6651	3.6	17
160	Layered Oxide Cathodes Promoted by Structure Modulation Technology for Sodium-Ion Batteries. *Advanced Functional Materials*, **2020**, 30, 2001334	15.6	66
159	An Outlook on Low-Volume-Change Lithium Metal Anodes for Long-Life Batteries. *ACS Central Science*, **2020**, 6, 661-671	16.8	42
158	A super-lithiophilic nanocrystallization strategy for stable lithium metal anodes. *Nano Energy*, **2020**, 73, 104731	17.1	17
157	In Situ Copolymerizated Gel Polymer Electrolyte with Cross-Linked Network for Sodium-Ion Batteries. *CCS Chemistry*, **2020**, 2, 589-597	7.2	11
156	In Situ Copolymerizated Gel Polymer Electrolyte with Cross-Linked Network for Sodium-Ion Batteries. *CCS Chemistry*, **2020**, 2, 589-597	7.2	15
155	Large-Scale Synthesis of the Stable Co-Free Layered Oxide Cathode by the Synergetic Contribution of Multielement Chemical Substitution for Practical Sodium-Ion Battery. *Research*, **2020**, 2020, 1469301	7.8	15
154	An integral interface with dynamically stable evolution on micron-sized SiOx particle anode. *Nano Energy*, **2020**, 74, 104890	17.1	36
153	Stabilizing Polymer□lithium Interface in a Rechargeable Solid Battery. *Advanced Functional Materials*, **2020**, 30, 1908047	15.6	30
152	Porous lamellar carbon assembled from Bacillus mycoides as high-performance electrode materials for vanadium redox flow batteries. *Journal of Power Sources*, **2020**, 450, 227633	8.9	6
151	Raising the capacity of lithium vanadium phosphate via anion and cation co-substitution. *Science China Chemistry*, **2020**, 63, 203-207	7.9	6
150	Towards better Li metal anodes: Challenges and strategies. *Materials Today*, **2020**, 33, 56-74	21.8	216
149	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithium-Metal Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 6585-6589	16.4	47
148	Tuning wettability of molten lithium via a chemical strategy for lithium metal anodes. *Nature Communications*, **2019**, 10, 4930	17.4	85
147	Exploiting Lithium-Depleted Cathode Materials for Solid-State Li Metal Batteries. *Advanced Energy Materials*, **2019**, 9, 1901335	21.8	9
146	Air-Stable and High-Voltage Layered P3-Type Cathode for Sodium-Ion Full Battery. *ACS Applied Materials & Interfaces*, **2019**, 11, 24184-24191	9.5	32
145	Engineering Janus Interfaces of Ceramic Electrolyte via Distinct Functional Polymers for Stable High-Voltage Li-Metal Batteries. *Journal of the American Chemical Society*, **2019**, 141, 9165-9169	16.4	161

144	Strategies to Build High-Rate Cathode Materials for Na-Ion Batteries. *ChemNanoMat*, **2019**, 5, 1253-1262	3.5	15
143	Suppression of Monoclinic Phase Transitions of O3-Type Cathodes Based on Electronic Delocalization for Na-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 22067-22073	9.5	21
142	Suppressing Manganese Dissolution via Exposing Stable {111} Facets for High-Performance Lithium-Ion Oxide Cathode. *Advanced Science*, **2019**, 6, 1801908	13.6	25
141	Unveiling the Role of Heteroatom Gradient-Distributed Carbon Fibers for Vanadium Redox Flow Batteries with Long Service Life. *ACS Applied Materials & Interfaces*, **2019**, 11, 11451-11458	9.5	12
140	A Stable Layered Oxide Cathode Material for High-Performance Sodium-Ion Battery. *Advanced Energy Materials*, **2019**, 9, 1803978	21.8	118
139	Nonaqueous Sodium-Ion Full Cells: Status, Strategies, and Prospects. *Small*, **2019**, 15, e1900233	11	55
138	Nitriding-Interface-Regulated Lithium Plating Enables Flame-Retardant Electrolytes for High-Voltage Lithium Metal Batteries. *Angewandte Chemie*, **2019**, 131, 7884-7889	3.6	35
137	Nitriding-Interface-Regulated Lithium Plating Enables Flame-Retardant Electrolytes for High-Voltage Lithium Metal Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 7802-7807	16.4	102
136	Extended Electrochemical Window of Solid Electrolytes via Heterogeneous Multilayered Structure for High-Voltage Lithium Metal Batteries. *Advanced Materials*, **2019**, 31, e1807789	24	205
135	Viscoelastic and Nonflammable Interface Design-Enabled Dendrite-Free and Safe Solid Lithium Metal Batteries. *Advanced Energy Materials*, **2019**, 9, 1803854	21.8	64
134	High-Performance Lithiated SiO Anode Obtained by a Controllable and Efficient Prelithiation Strategy. *ACS Applied Materials & Interfaces*, **2019**, 11, 32062-32068	9.5	58
133	Low volume change composite lithium metal anodes. *Nano Energy*, **2019**, 64, 103910	17.1	45
132	Lithium-Ion Batteries: Suppressing Manganese Dissolution via Exposing Stable {111} Facets for High-Performance Lithium-Ion Oxide Cathode (Adv. Sci. 13/2019). *Advanced Science*, **2019**, 6, 1970076	13.6	9
131	Interfacial design for lithium–sulfur batteries: From liquid to solid. *EnergyChem*, **2019**, 1, 100002	36.9	80
130	Self-Healable Solid Polymeric Electrolytes for Stable and Flexible Lithium Metal Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 18146-18149	16.4	72
129	Self-Healable Solid Polymeric Electrolytes for Stable and Flexible Lithium Metal Batteries. *Angewandte Chemie*, **2019**, 131, 18314-18317	3.6	5
128	An Ordered Ni -Ring Superstructure Enables a Highly Stable Sodium Oxide Cathode. *Advanced Materials*, **2019**, 31, e1903483	24	42
127	Green Growth Solid Electrolyte Interphase Layer with High Rebound Resilience for Long-Life Lithium Metal Anodes. *ACS Applied Materials & Interfaces*, **2019**, 11, 43200-43205	9.5	12

126	Direct regeneration of spent LiFePOvia a graphite prelithiation strategy. *Chemical Communications*, **2019**, 56, 245-248	5.8	23
125	Confined Red Phosphorus in Edible Fungus Slag-Derived Porous Carbon as an Improved Anode Material in Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 47948-47955	9.5	12
124	Guiding Uniform Li Plating/Stripping through Lithium-Aluminum Alloying Medium for Long-Life Li Metal Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 1094-1099	16.4	202
123	Guiding Uniform Li Plating/Stripping through Lithium□Aluminum Alloying Medium for Long-Life Li Metal Batteries. *Angewandte Chemie*, **2019**, 131, 1106-1111	3.6	38
122	Rational Design of Robust Si/C Microspheres for High-Tap-Density Anode Materials. *ACS Applied Materials & Interfaces*, **2019**, 11, 4057-4064	9.5	73
121	A P2/P3 composite layered cathode for high-performance Na-ion full batteries. *Nano Energy*, **2019**, 55, 143-150	17.1	85
120	Fungi-Enabled Synthesis of Ultrahigh-Surface-Area Porous Carbon. *Advanced Materials*, **2019**, 31, e1805124	24	46
119	Progress of the Interface Design in All-Solid-State Li□ Batteries. *Advanced Functional Materials*, **2018**, 28, 1707533	15.6	140
118	Na/vacancy disordering promises high-rate Na-ion batteries. *Science Advances*, **2018**, 4, eaar6018	14.3	229
117	Lithiation-Derived Repellent toward Lithium Anode Safeguard in Quasi-solid Batteries. *CheM*, **2018**, 4, 298-307	16.2	51
116	Trapping Lithium into Hollow Silica Microspheres with a Carbon Nanotube Core for Dendrite-Free Lithium Metal Anodes. *Nano Letters*, **2018**, 18, 297-301	11.5	111
115	A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes. *Angewandte Chemie*, **2018**, 130, 1521-1525	3.6	58
114	Facile Synthesis of Blocky SiOx/C with Graphite-Like Structure for High-Performance Lithium-Ion Battery Anodes. *Advanced Functional Materials*, **2018**, 28, 1705235	15.6	199
113	High-Capacity Cathode Material with High Voltage for Li-Ion Batteries. *Advanced Materials*, **2018**, 30, 1705575	24	256
112	Uniform Lithium Nucleation/Growth Induced by Lightweight Nitrogen-Doped Graphitic Carbon Foams for High-Performance Lithium Metal Anodes. *Advanced Materials*, **2018**, 30, 1706216	24	315
111	Innentitelbild: A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes (Angew. Chem. 6/2018). *Angewandte Chemie*, **2018**, 130, 1436-1436	3.6	2
110	High electro-catalytic graphite felt/MnO2 composite electrodes for vanadium redox flow batteries. *Science China Chemistry*, **2018**, 61, 732-738	7.9	23
109	Gradiently Polymerized Solid Electrolyte Meets with Micro-/Nanostructured Cathode Array. *ACS Applied Materials & Interfaces*, **2018**, 10, 18005-18011	9.5	20

108	An Abnormal 3.7 Volt O3-Type Sodium-Ion Battery Cathode. *Angewandte Chemie*, **2018**, 130, 8310-8315	3.6	19
107	An Abnormal 3.7 Volt O3-Type Sodium-Ion Battery Cathode. *Angewandte Chemie - International Edition*, **2018**, 57, 8178-8183	16.4	82
106	Ladderlike carbon nanoarrays on 3D conducting skeletons enable uniform lithium nucleation for stable lithium metal anodes. *Chemical Communications*, **2018**, 54, 5330-5333	5.8	32
105	Understanding the structural evolution and Na+ kinetics in honeycomb-ordered O?3-Na3Ni2SbO6 cathodes. *Nano Research*, **2018**, 11, 3258-3271	10	27
104	Ameliorating the Interfacial Problems of Cathode and Solid-State Electrolytes by Interface Modification of Functional Polymers. *Advanced Energy Materials*, **2018**, 8, 1801528	21.8	77
103	SiO Encapsulated in Graphene Bubble Film: An Ultrastable Li-Ion Battery Anode. *Advanced Materials* , **2018**, 30, e1707430	24	183
102	Stable Sodium Storage of Red Phosphorus Anode Enabled by a Dual-Protection Strategy. *ACS Applied Materials & Interfaces*, **2018**, 10, 30479-30486	9.5	18
101	Exposing {010} Active Facets by Multiple-Layer Oriented Stacking Nanosheets for High-Performance Capacitive Sodium-Ion Oxide Cathode. *Advanced Materials*, **2018**, 30, e1803765	24	92
100	Constructing a Stable Lithium Metal-Gel Electrolyte Interface for Quasi-Solid-State Lithium Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 30065-30070	9.5	29
99	Designing High-Performance Composite Electrodes for Vanadium Redox Flow Batteries: Experimental and Computational Investigation. *ACS Applied Materials & Interfaces*, **2018**, 10, 22381-22388	9.5	26
98	Dendrite-Free Li-Metal Battery Enabled by a Thin Asymmetric Solid Electrolyte with Engineered Layers. *Journal of the American Chemical Society*, **2018**, 140, 82-85	16.4	299
97	A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes. *Angewandte Chemie - International Edition*, **2018**, 57, 1505-1509	16.4	438
96	Layered Oxide Cathodes for Sodium-Ion Batteries: Phase Transition, Air Stability, and Performance. *Advanced Energy Materials*, **2018**, 8, 1701912	21.8	346
95	Uniform Nucleation of Lithium in 3D Current Collectors via Bromide Intermediates for Stable Cycling Lithium Metal Batteries. *Journal of the American Chemical Society*, **2018**, 140, 18051-18057	16.4	96
94	Upgrading traditional liquid electrolyte via in situ gelation for future lithium metal batteries. *Science Advances*, **2018**, 4, eaat5383	14.3	199
93	Robust Electrodes with Maximized Spatial Catalysis for Vanadium Redox Flow Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 38922-38927	9.5	12
92	A Layered–Tunnel Intergrowth Structure for High-Performance Sodium-Ion Oxide Cathode. *Advanced Energy Materials*, **2018**, 8, 1800492	21.8	85
91	3D zinc@carbon fiber composite framework anode for aqueous Zn-MnO batteries.. *RSC Advances*, **2018**, 8, 19157-19163	3.7	84

90	Suppressing Surface Lattice Oxygen Release of Li-Rich Cathode Materials via Heterostructured Spinel Li Mn O Coating. *Advanced Materials*, **2018**, 30, e1801751	24	222
89	Mitigating Interfacial Potential Drop of Cathode-Solid Electrolyte via Ionic Conductor Layer To Enhance Interface Dynamics for Solid Batteries. *Journal of the American Chemical Society*, **2018**, 140, 6767-6770	16.4	137
88	Novel P2-type NaNiMgTiO as an anode material for sodium-ion batteries. *Chemical Communications*, **2017**, 53, 1957-1960	5.8	36
87	Graphitic Nanocarbon-Selenium Cathode with Favorable Rate Capability for Li-Se Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 8759-8765	9.5	44
86	Advanced Micro/Nanostructures for Lithium Metal Anodes. *Advanced Science*, **2017**, 4, 1600445	13.6	338
85	Research progress regarding Si-based anode materials towards practical application in high energy density Li-ion batteries. *Materials Chemistry Frontiers*, **2017**, 1, 1691-1708	7.8	193
84	Excellent Comprehensive Performance of Na-Based Layered Oxide Benefiting from the Synergetic Contributions of Multimetal Ions. *Advanced Energy Materials*, **2017**, 7, 1700189	21.8	69
83	A High-Performance Composite Electrode for Vanadium Redox Flow Batteries. *Advanced Energy Materials*, **2017**, 7, 1700461	21.8	95
82	Methods for the Stabilization of Nanostructured Electrode Materials for Advanced Rechargeable Batteries. *Small Methods*, **2017**, 1, 1700094	12.8	42
81	Synergism of Al-containing solid electrolyte interphase layer and Al-based colloidal particles for stable lithium anode. *Nano Energy*, **2017**, 36, 411-417	17.1	143
80	Solid-State Lithium Metal Batteries Promoted by Nanotechnology: Progress and Prospects. *ACS Energy Letters*, **2017**, 2, 1385-1394	20.1	259
79	Improving the structural stability of Li-rich cathode materials via reservation of cations in the Li-slab for Li-ion batteries. *Nano Research*, **2017**, 10, 4201-4209	10	43
78	Designing Air-Stable O3-Type Cathode Materials by Combined Structure Modulation for Na-Ion Batteries. *Journal of the American Chemical Society*, **2017**, 139, 8440-8443	16.4	219
77	Stable Li Plating/Stripping Electrochemistry Realized by a Hybrid Li Reservoir in Spherical Carbon Granules with 3D Conducting Skeletons. *Journal of the American Chemical Society*, **2017**, 139, 5916-5922	16.4	329
76	Ti-Substituted NaNi Mn Ti O Cathodes with Reversible O3-P3 Phase Transition for High-Performance Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1700210	24	233
75	Three-Dimensional Carbon Nanotubes Forest/Carbon Cloth as an Efficient Electrode for Lithium-Polysulfide Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 1553-1561	9.5	47
74	Free-Standing Hollow Carbon Fibers as High-Capacity Containers for Stable Lithium Metal Anodes. *Joule*, **2017**, 1, 563-575	27.8	243
73	Stable Li Metal Anodes via Regulating Lithium Plating/Stripping in Vertically Aligned Microchannels. *Advanced Materials*, **2017**, 29, 1703729	24	288

72	Improving the stability of LiNi0.80Co0.15Al0.05O2 by AlPO4 nanocoating for lithium-ion batteries. *Science China Chemistry*, **2017**, 60, 1230-1235	7.9	37
71	Iron oxyfluorides as lithium-free cathode materials for solid-state Li metal batteries. *Journal of Materials Chemistry A*, **2017**, 5, 18464-18468	13	11
70	Structurally modulated Li-rich cathode materials through cooperative cation doping and anion hybridization. *Science China Chemistry*, **2017**, 60, 1554-1560	7.9	19
69	High-Thermal- and Air-Stability Cathode Material with Concentration-Gradient Buffer for Li-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 42829-42835	9.5	59
68	Graphitized Carbon Fibers as Multifunctional 3D Current Collectors for High Areal Capacity Li Anodes. *Advanced Materials*, **2017**, 29, 1700389	24	403
67	Passivation of Lithium Metal Anode via Hybrid Ionic Liquid Electrolyte toward Stable Li Plating/Stripping. *Advanced Science*, **2017**, 4, 1600400	13.6	176
66	Watermelon-Inspired Si/C Microspheres with Hierarchical Buffer Structures for Densely Compacted Lithium-Ion Battery Anodes. *Advanced Energy Materials*, **2017**, 7, 1601481	21.8	397
65	Sulfur Encapsulated in Graphitic Carbon Nanocages for High-Rate and Long-Cycle Lithium-Sulfur Batteries. *Advanced Materials*, **2016**, 28, 9539-9544	24	341
64	Mitigating Voltage Decay of Li-Rich Cathode Material via Increasing Ni Content for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 20138-46	9.5	151
63	An O3-type NaNi0.5Mn0.5O2 cathode for sodium-ion batteries with improved rate performance and cycling stability. *Journal of Materials Chemistry A*, **2016**, 4, 17660-17664	13	131
62	An Artificial Solid Electrolyte Interphase Layer for Stable Lithium Metal Anodes. *Advanced Materials* , **2016**, 28, 1853-8	24	1021
61	Suppressing the P2–O2 Phase Transition of Na0.67Mn0.67Ni0.33O2 by Magnesium Substitution for Improved Sodium-Ion Batteries. *Angewandte Chemie*, **2016**, 128, 7571-7575	3.6	53
60	Nano/Micro-Structured Si/C Anodes with High Initial Coulombic Efficiency in Li-Ion Batteries. *Chemistry - an Asian Journal*, **2016**, 11, 1205-9	4.5	30
59	Scientific and technological challenges toward application of lithium–sulfur batteries. *Chinese Physics B*, **2016**, 25, 018801	1.2	9
58	Size effects in lithium ion batteries. *Chinese Physics B*, **2016**, 25, 018203	1.2	20
57	Three-dimensional sandwich-type graphene@microporous carbon architecture for lithium–sulfur batteries. *RSC Advances*, **2016**, 6, 617-622	3.7	38
56	Wet Chemistry Synthesis of Multidimensional Nanocarbon-Sulfur Hybrid Materials with Ultrahigh Sulfur Loading for Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 3584-90	9.5	97
55	Sulfur Confined in Sub-Nanometer-Sized 2 D Graphene Interlayers and Its Electrochemical Behavior in Lithium-Sulfur Batteries. *Chemistry - an Asian Journal*, **2016**, 11, 2690-2694	4.5	21

54	Cathode Materials: Enhancing the Kinetics of Li-Rich Cathode Materials through the Pinning Effects of Gradient Surface Na+ Doping (Adv. Energy Mater. 6/2016). *Advanced Energy Materials*, **2016**, 6,	21.8	4
53	Enhancing the Kinetics of Li-Rich Cathode Materials through the Pinning Effects of Gradient Surface Na+ Doping. *Advanced Energy Materials*, **2016**, 6, 1501914	21.8	185
52	The Electrochemistry with Lithium versus Sodium of Selenium Confined To Slit Micropores in Carbon. *Nano Letters*, **2016**, 16, 4560-8	11.5	117
51	Suppressing the P2-O2 Phase Transition of Na0.67 Mn0.67 Ni0.33 O2 by Magnesium Substitution for Improved Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 7445-9	16.4	330
50	Subzero-Temperature Cathode for a Sodium-Ion Battery. *Advanced Materials*, **2016**, 28, 7243-8	24	299
49	Reshaping Lithium Plating/Stripping Behavior via Bifunctional Polymer Electrolyte for Room-Temperature Solid Li Metal Batteries. *Journal of the American Chemical Society*, **2016**, 138, 15825-15828	16.4	329
48	Rechargeable dual-metal-ion batteries for advanced energy storage. *Physical Chemistry Chemical Physics*, **2016**, 18, 9326-33	3.6	66
47	Rice husk-derived hierarchical silicon/nitrogen-doped carbon/carbon nanotube spheres as low-cost and high-capacity anodes for lithium-ion batteries. *Nano Energy*, **2016**, 25, 120-127	17.1	360
46	Accommodating lithium into 3D current collectors with a submicron skeleton towards long-life lithium metal anodes. *Nature Communications*, **2015**, 6, 8058	17.4	1030
45	Improving the Electrochemical Performance of the Li4Ti5O12 Electrode in a Rechargeable Magnesium Battery by Lithium–Magnesium Co-Intercalation. *Angewandte Chemie*, **2015**, 127, 5849-5853	3.6	26
44	Improving the electrochemical performance of the li4 ti5 o12 electrode in a rechargeable magnesium battery by lithium-magnesium co-intercalation. *Angewandte Chemie - International Edition*, **2015**, 54, 5757-61	16.4	139
43	High-Capacity Te Anode Confined in Microporous Carbon for Long-Life Na-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 27838-44	9.5	55
42	Improving the electrochemical properties of the red P anode in Na-ion batteries via the space confinement of carbon nanopores. *Journal of Materials Chemistry A*, **2015**, 3, 24221-24225	13	41
41	Elemental Selenium for Electrochemical Energy Storage. *Journal of Physical Chemistry Letters*, **2015**, 6, 256-66	6.4	187
40	Electrochemical (de)lithiation of 1D sulfur chains in Li-S batteries: a model system study. *Journal of the American Chemical Society*, **2015**, 137, 2215-8	16.4	179
39	Hierarchically micro/mesoporous activated graphene with a large surface area for high sulfur loading in Li–S batteries. *Journal of Materials Chemistry A*, **2015**, 3, 4799-4802	13	114
38	A Sandwich-Like Hierarchically Porous Carbon/Graphene Composite as a High-Performance Anode Material for Sodium-Ion Batteries. *Advanced Energy Materials*, **2014**, 4, 1301584	21.8	341
37	A high-energy room-temperature sodium-sulfur battery. *Advanced Materials*, **2014**, 26, 1261-5	24	446

36	A High-Capacity Tellurium@Carbon Anode Material for Lithium-Ion Batteries. *Energy Technology*, **2014**, 2, 757-762	3.5	54
35	Advanced Se□ nanocomposites: a bifunctional electrode material for both Li□e and Li-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 13293	13	114
34	High-quality Prussian blue crystals as superior cathode materials for room-temperature sodium-ion batteries. *Energy and Environmental Science*, **2014**, 7, 1643-1647	35.4	691
33	Hydrothermal reduction of three-dimensional graphene oxide for binder-free flexible supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 10830	13	90
32	Insight into the effect of boron doping on sulfur/carbon cathode in lithium-sulfur batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 8789-95	9.5	254
31	Batteries: A High-Energy Room-Temperature Sodium-Sulfur Battery (Adv. Mater. 8/2014). *Advanced Materials*, **2014**, 26, 1308-1308	24	2
30	A highly reversible, low-strain Mg-ion insertion anode material for rechargeable Mg-ion batteries. *NPG Asia Materials*, **2014**, 6, e120-e120	10.3	105
29	Size-dependent electrochemical magnesium storage performance of spinel lithium titanate. *Chemistry - an Asian Journal*, **2014**, 9, 2099-102	4.5	28
28	Encapsulation of Sulfur in a Hollow Porous Carbon Substrate for Superior Li-S Batteries with Long Lifespan. *Particle and Particle Systems Characterization*, **2013**, 30, 321-325	3.1	85
27	Lithium-sulfur batteries: electrochemistry, materials, and prospects. *Angewandte Chemie - International Edition*, **2013**, 52, 13186-200	16.4	1989
26	Layer structured □Fe□□ nanodisk/reduced graphene oxide composites as high-performance anode materials for lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2013**, 5, 3932-6	9.5	114
25	A zero-strain insertion cathode material of nickel ferricyanide for sodium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 14061	13	159
24	Improving the Li-ion storage performance of layered zinc silicate through the interlayer carbon and reduced graphene oxide networks. *ACS Applied Materials & Interfaces*, **2013**, 5, 5777-82	9.5	45
23	Tuning the porous structure of carbon hosts for loading sulfur toward long lifespan cathode materials for Li□ batteries. *Journal of Materials Chemistry A*, **2013**, 1, 6602	13	170
22	SYNTHESIS AND ELECTROCHEMICAL PROPERTIES OF POLY-[2, 5-DI-N-(2, 2, 6, 6-TETRAMETHYL-4-PIPERIDINE□N-OXYL) BENZAMIDE] ANILINE AS A CATHODE MATERIAL FOR LITHIUM-ION BATTERIES. *Journal of Molecular and Engineering Materials*, **2013**, 01, 1340019	1.3	1
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