

List of Publications by Year in
Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207 papers	8,529 citations	52 h-index	82 g-index
219 ext. papers	10,769 ext. citations	10.2 avg, IF	6.64 L-index

#	Paper	IF	Citations
207	Regulating Na Occupation to Introduce Non-Fermi-Liquid States of NaCoO for Enhanced Water Oxidation Activity.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 784-791	6.4	1
206	An Ion-Dipole-Reinforced Polyether Electrolyte with Ion-Solvation Cages Enabling High-Voltage-Tolerant and Ion-Conductive Solid-State Lithium Metal Batteries (Adv. Funct. Mater. 5/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270031	15.6	0
205	Bi-salt electrolyte for aqueous rechargeable aluminum battery. <i>Journal of Energy Chemistry</i> , 2022 , 67, 613-620	12	3
204	Multivalent metal-sulfur batteries for green and cost-effective energy storage: Current status and challenges. <i>Journal of Energy Chemistry</i> , 2022 , 64, 144-165	12	13
203	Tailoring Defects in Hard Carbon Anode towards Enhanced Na Storage Performance. <i>Energy Material Advances</i> , 2022 , 2022, 1-11	1	6
202	Electrolytes for Rechargeable Aluminum Batteries. <i>Progress in Materials Science</i> , 2022 , 100960	42.2	2
201	Surface Coupling between Mechanical and Electric Fields Empowering Ni-Rich Cathodes with Superior Cyclabilities for Lithium-Ion Batteries.. <i>Advanced Science</i> , 2022 , e2200622	13.6	2
200	Fabrication of Li _{1.4} Al _{0.4} Ti _{1.6} (PO ₄) ₃ quasi-solid electrolyte with high conductivity and compatibility through AAO template. <i>Applied Physics Letters</i> , 2022 , 120, 191902	3.4	4
199	Solvent Effects on Kinetics and Electrochemical Performances of Rechargeable Aluminum Batteries. <i>Energy Material Advances</i> , 2022 , 2022, 1-10	1	4
198	Effect of Different Nitrogen Configurations on Sodium Storage Properties of Carbon Anodes for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 56285-56295	9.5	8
197	Unraveling Anionic Redox for Sodium Layered Oxide Cathodes: Breakthroughs and Perspectives. <i>Advanced Materials</i> , 2021 , e2106171	24	14
196	Sodium Storage Mechanism and Optimization Strategies for Hard Carbon Anode of Sodium Ion Batteries. <i>Acta Chimica Sinica</i> , 2021 , 79, 1461	3.3	0
195	High-Mass-Loading Electrodes for Advanced Secondary Batteries and Supercapacitors. <i>Electrochemical Energy Reviews</i> , 2021 , 4, 382-446	29.3	41
194	Boost sodium-ion batteries to commercialization: Strategies to enhance initial Coulombic efficiency of hard carbon anode. <i>Nano Energy</i> , 2021 , 82, 105738	17.1	36
193	Al-Storage Behaviors of Expanded Graphite as High-Rate and Long-Life Cathode Materials for Rechargeable Aluminum Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22549-22558	9.5	10
192	Enhancing the structure stability of Ni-rich LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode via encapsulating in negative thermal expansion nanocrystalline shell. <i>Nano Energy</i> , 2021 , 83, 105775	17.1	17
191	Interlayer-Expanded MoS ₂ /N-Doped Carbon with Three-Dimensional Hierarchical Architecture as a Cathode Material for High-Performance Aluminum-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7064-7072	6.1	6

190	Metal Chalcogenides with Heterostructures for High-Performance Rechargeable Batteries. <i>Small Science</i> , 2021 , 1, 2100012		21
189	Crystal Phase-Controlled Modulation of Binary Transition Metal Oxides for Highly Reversible Li-O Batteries. <i>Nano Letters</i> , 2021 , 21, 5225-5232	11.5	15
188	Piezoelectricity in three-dimensional carbon allotropes studied by first-principles calculations. <i>Journal of Materials Science</i> , 2021 , 56, 15898-15905	4.3	
187	Elucidating the Mechanism of Fast Na Storage Kinetics in Ether Electrolytes for Hard Carbon Anodes. <i>Advanced Materials</i> , 2021 , 33, e2008810	24	37
186	Insight to defects regulation on sugarcane waste-derived hard carbon anode for sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021 , 55, 499-508	12	24
185	Lithium metal batteries for high energy density: Fundamental electrochemistry and challenges. <i>Journal of Energy Chemistry</i> , 2021 , 59, 666-687	12	21
184	Smart oxygen vacancy engineering to enhance water oxidation efficiency by separating the different effects of bulk and surface vacancies. <i>Materials Today Energy</i> , 2021 , 19, 100619	7	4
183	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
182	Mn-based oxides for aqueous rechargeable metal ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11472-11500	13	15
181	Nonvolatile magnetoelectric coupling in two-dimensional ferromagnetic-bilayer/ferroelectric van der Waals heterostructures. <i>Nanoscale</i> , 2021 , 13, 14214-14220	7.7	1
180	Constructing compatible interface between LiLaZrO solid electrolyte and LiCoO cathode for stable cycling performances at 4.5 V. <i>Nanoscale</i> , 2021 , 13, 7822-7830	7.7	3
179	Untangling the respective effects of heteroatom-doped carbon materials in batteries, supercapacitors and the ORR to design high performance materials. <i>Energy and Environmental Science</i> , 2021 , 14, 2036-2089	35.4	86
178	Quasi-solid electrolyte developed on hierarchical rambutan-like $\text{Ba}(\text{OH})_2$ microspheres with high ionic conductivity for lithium ion batteries. <i>Nanoscale</i> , 2021 , 13, 13310-13317	7.7	1
177	Probing the Energy Storage Mechanism of Quasi-Metallic Na in Hard Carbon for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2003854	21.8	40
176	Hard Carbon Anode Materials for Sodium-Ion Batteries 2021 , 87-109		
175	Ionic Liquid-Based Electrolytes for Aluminum/Magnesium/Sodium-Ion Batteries. <i>Energy Material Advances</i> , 2021 , 2021, 1-29	1	21
174	Sodium-Ion Batteries: Probing the Energy Storage Mechanism of Quasi-Metallic Na in Hard Carbon for Sodium-Ion Batteries (Adv. Energy Mater. 11/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170041	21.8	
173	Revealing the Correlation of OER with Magnetism: A New Descriptor of Curie/Neel Temperature for Magnetic Electrocatalysts. <i>Advanced Science</i> , 2021 , 8, e2101000	13.6	4

- 172 Nature-inspired porous multichannel carbon monolith: Molecular cooperative enables sustainable production and high-performance capacitive energy storage. *Information Materials*, **2021**, 3, 1154 23.1 4
- 171 Improved thermal and structural stabilities of $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$ cathode by $\text{La}_2\text{Zr}_2\text{O}_7$ multifunctional modification. *Applied Physics Letters*, **2021**, 119, 093902 3.4 2
- 170 How Can the Electrode Influence the Formation of the Solid Electrolyte Interface?. *ACS Energy Letters*, **2021**, 6, 3307-3320 20.1 12
- 169 Designing electrode materials for aluminum-ion batteries towards fast diffusion and multi-electron reaction. *Journal of Energy Chemistry*, **2021**, 60, 229-232 12 10
- 168 Prompting structure stability of $\text{O}_3\text{NaNi}_{0.5}\text{Mn}_{0.5}\text{O}_2$ via effective surface regulation based on atomic layer deposition. *Ceramics International*, **2021**, 47, 28521-28527 5.1 2
- 167 Chlorinated dual-protective layers as interfacial stabilizer for dendrite-free lithium metal anode. *Energy Storage Materials*, **2021**, 41, 485-494 19.4 18
- 166 Boosting Sodium Storage Performance of Hard Carbon Anodes by Pore Architecture Engineering. *ACS Applied Materials & Interfaces*, **2021**, 13, 47671-47683 9.5 7
- 165 Irreplaceable carbon boosts Li-O₂ batteries: From mechanism research to practical application. *Nano Energy*, **2021**, 89, 106464 17.1 14
- 164 Boosting the ultrahigh initial coulombic efficiency of porous carbon anodes for sodium-ion batteries via in situ fabrication of a passivation interface. *Journal of Materials Chemistry A*, **2021**, 9, 10780-10788 13.1 8
- 163 Hyperbranched polyether boosting ionic conductivity of polymer electrolytes for all-solid-state sodium ion batteries. *Chemical Engineering Journal*, **2020**, 394, 124885 14.7 25
- 162 Flame-retardant gel polymer electrolyte and interface for quasi-solid-state sodium ion batteries. *Chemical Engineering Journal*, **2020**, 401, 126065 14.7 33
- 161 A $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{O}_{1.6}\text{F}_{1.4}$ Cathode of Zn-Ion Battery Enabled by a Water-in-Bisalt Electrolyte. *Advanced Functional Materials*, **2020**, 30, 2003511 15.6 54
- 160 Hyperaccumulation Route to Ca-Rich Hard Carbon Materials with Cation Self-Incorporation and Interlayer Spacing Optimization for High-Performance Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 10544-10553 9.5 37
- 159 An Extremely Fast Charging $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ Cathode at a 4.8 V Cutoff Voltage for Li-Ion Batteries. *ACS Energy Letters*, **2020**, 5, 1763-1770 20.1 34
- 158 $\text{Na}_2\text{Li}_2\text{Ti}_6\text{O}_{14}$ nanowires as ultra-long cycling performance anode material for lithium ion storage. *Ceramics International*, **2020**, 46, 15699-15704 5.1 7
- 157 PYFSI-Infiltrated SBA-15 as Nonflammable and High Ion-Conductive Ionogel Electrolytes for Quasi-Solid-State Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 22981-22991 9.5 17
- 156 Reversible Al^{3+} storage mechanism in anatase TiO_2 cathode material for ionic liquid electrolyte-based aluminum-ion batteries. *Journal of Energy Chemistry*, **2020**, 51, 72-80 12 38
- 155 Decoration by dual-phase Li_2ZrO_3 islands with core-shell structures enhances the electrochemical performance of high-voltage $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$. *Applied Physics Letters*, **2020**, 116, 021601 3.4 7

154	Rational construction and decoration of Fe _{0.5} Nb _{24.5} O ₆₂ @C nanowires as superior anode material for lithium storage. <i>Chemical Engineering Journal</i> , 2020 , 384, 123314	14.7	9
153	The Compensation Effect Mechanism of Fe-Ni Mixed Prussian Blue Analogues in Aqueous Rechargeable Aluminum-Ion Batteries. <i>ChemSusChem</i> , 2020 , 13, 732-740	8.3	51
152	Constructing tri-functional modification for spinel LiNi _{0.5} Mn _{1.5} O ₄ via fast ion conductor. <i>Journal of Power Sources</i> , 2020 , 450, 227677	8.9	20
151	Local Electric-Field-Driven Fast Li Diffusion Kinetics at the Piezoelectric LiTaO ₃ Modified Li-Rich Cathode-Electrolyte Interphase. <i>Advanced Science</i> , 2020 , 7, 1902538	13.6	54
150	Developing an Interpenetrated Porous and Ultrasuperior Hard-Carbon Anode via a Promising Molten-Salt Evaporation Method. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2481-2489	9.5	36
149	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
148	Analysis of the Stable Interphase Responsible for the Excellent Electrochemical Performance of Graphite Electrodes in Sodium-Ion Batteries. <i>Small</i> , 2020 , 16, e2003268	11	37
147	Stepwise Intercalation-Conversion-Intercalation Sodiation Mechanism in CuInS ₂ Prompting Sodium Storage Performance. <i>ACS Energy Letters</i> , 2020 , 5, 3725-3732	20.1	15
146	Rational Tuning of a LiSiO ₃ -Based Hybrid Interface with Unique Stepwise Prelithiation for Dendrite-Proof and High-Rate Lithium Anodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39362-39371	9.5	15
145	Polymer electrolytes and interfaces toward solid-state batteries: Recent advances and prospects. <i>Energy Storage Materials</i> , 2020 , 33, 26-54	19.4	51
144	Fast ion conductor modified double-polymer (PVDF and PEO) matrix electrolyte for solid lithium-ion batteries. <i>Solid State Ionics</i> , 2020 , 355, 115419	3.3	14
143	High-Voltage Layered Ternary Oxide Cathode Materials: Failure Mechanisms and Modification Methods. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1847-1869	4.9	3
142	Promoting electrochemical performances of LiNi _{0.5} Mn _{1.5} O ₄ cathode via YF ₃ surface coating. <i>Solid State Ionics</i> , 2020 , 357, 115464	3.3	7
141	Investigating the electroactivity of nitrogen species in MoC nanoparticles/N-doped carbon nanosheets for high-performance Na/Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21298-21305	13	11
140	Metal selenides for high performance sodium ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 380, 122557	14.7	86
139	Superior sodium-storage behavior of flexible anatase TiO ₂ promoted by oxygen vacancies. <i>Energy Storage Materials</i> , 2020 , 25, 903-911	19.4	73
138	Toward better electrode/electrolyte interfaces in the ionic-liquid-based rechargeable aluminum batteries. <i>Journal of Energy Chemistry</i> , 2020 , 45, 98-102	12	33
137	High-Capacity Interstitial Mn-Incorporated MnFeO/Graphene Nanocomposite for Sodium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37812-37821	9.5	27

136	Vanadium Organometallics as an Interfacial Stabilizer for Ca VO/Vanadyl Acetylacetonate Hybrid Nanocomposite with Enhanced Energy Density and Power Rate for Full Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23291-23302	9.5	9
135	Lotus Seedpod-Derived Hard Carbon with Hierarchical Porous Structure as Stable Anode for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12554-12561	9.5	84
134	Porous LiF layer fabricated by a facile chemical method toward dendrite-free lithium metal anode. <i>Journal of Energy Chemistry</i> , 2019 , 37, 197-203	12	91
133	Stabilizing a high-voltage LiNiMnO cathode towards all solid state batteries: a Li-Al-Ti-P-O solid electrolyte nano-shell with a host material. <i>Nanoscale</i> , 2019 , 11, 8967-8977	7.7	36
132	One-Step Integrated Surface Modification To Build a Stable Interface on High-Voltage Cathode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16233-16242	9.5	28
131	Facile synthesis of Li ₃ V ₂ (PO ₄) ₃ /C cathode material for lithium-ion battery via freeze-drying. <i>Journal of Energy Chemistry</i> , 2019 , 32, 159-165	12	13
130	Regulating Li deposition by constructing LiF-rich host for dendrite-free lithium metal anode. <i>Energy Storage Materials</i> , 2019 , 16, 411-418	19.4	158
129	Commercially available InSb as a high-performance anode for secondary batteries towards superior lithium storage. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2668-2674	5.8	9
128	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 & Interfaces</i> , 2019 , 11, 43252-43260	9.5	31
127	Paving the Path toward Reliable Cathode Materials for Aluminum-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1806510	24	138
126	Enhanced lithium storage capability of FeF ₃ ·0.33H ₂ O single crystal with active insertion site exposed. <i>Nano Energy</i> , 2019 , 56, 884-892	17.1	28
125	Carbon Nanofiber Elastically Confined Nanoflowers: A Highly Efficient Design for Molybdenum Disulfide-Based Flexible Anodes Toward Fast Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5183-5192	9.5	34
124	Electrochemically activated spinel manganese oxide for rechargeable aqueous aluminum battery. <i>Nature Communications</i> , 2019 , 10, 73	17.4	169
123	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
122	Role of Metal Electronegativity in the Dehydrogenation Thermodynamics and Kinetics of Composite Metal Borohydride-LiNH Hydrogen Storage Materials. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 9514-9521	9.5	16
121	Understanding the Electrochemical Mechanisms Induced by Gradient Mg ²⁺ Distribution of Na-Rich Na _{3-x} V ₂ Mgx(PO ₄) ₃ /C for Sodium Ion Batteries. <i>Chemistry of Materials</i> , 2018 , 30, 2498-2505	9.6	68
120	Perspectives for restraining harsh lithium dendrite growth: Towards robust lithium metal anodes. <i>Energy Storage Materials</i> , 2018 , 15, 148-170	19.4	166
119	Electrochemical performance of Li-rich Li[Li _{0.2} Mn _{0.56} Ni _{0.17} Co _{0.07}]O ₂ cathode stabilized by metastable Li ₂ SiO ₃ surface modification for advanced Li-ion batteries. <i>Electrochimica Acta</i> , 2018 , 265, 244-253	6.7	34

118	Remarkable Effect of Sodium Alginate Aqueous Binder on Anatase TiO ₂ as High-Performance Anode in Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5560-5568	9.5	69
117	3D Electronic Channels Wrapped Large-Sized Na V (PO) ₄ as Flexible Electrode for Sodium-Ion Batteries. <i>Small</i> , 2018 , 14, e1702864	11	83
116	Carbon-coated Bi ₅ Nb ₃ O ₁₅ as anode material in rechargeable batteries for enhanced lithium storage. <i>Ceramics International</i> , 2018 , 44, 11505-11511	5.1	8
115	Enhanced Electrochemical Performance of LiNi _{0.5} Mn _{1.5} O ₄ Cathode Material by YPO ₄ Surface Modification. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5818-5825	8.3	38
114	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
113	Mesoporous TiO ₂ microparticles formed by the oriented attachment of nanocrystals: A super-durable anode material for sodium-ion batteries. <i>Nano Research</i> , 2018 , 11, 1563-1574	10	23
112	Expanding Interlayer Spacing of Hard Carbon by Natural K Doping to Boost Na-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27030-27038	9.5	64
111	A facile strategy to enhance the stability of Li-rich cathode: Electrochemical performance improvement and mechanism exploration. <i>Ceramics International</i> , 2018 , 44, 17425-17433	5.1	15
110	Hard carbon anode materials for sodium-ion batteries. <i>Functional Materials Letters</i> , 2018 , 11, 1830003	1.2	39
109	Sodium Ion Batteries: Stable CarbonSelenium Bonds for Enhanced Performance in Tremella-Like 2D Chalcogenide Battery Anode (Adv. Energy Mater. 23/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 180106	21.8	9
108	Phosphorus-Doped Hard Carbon Nanofibers Prepared by Electrospinning as an Anode in Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21335-21342	9.5	119
107	Stabilized structural and electrochemical properties of LiNi _{0.5} Mn _{1.5} O ₄ via ZrF ₄ nanolayer modification for Li-ion batteries. <i>Solid State Ionics</i> , 2018 , 324, 7-12	3.3	11
106	Stable CarbonSelenium Bonds for Enhanced Performance in Tremella-Like 2D Chalcogenide Battery Anode. <i>Advanced Energy Materials</i> , 2018 , 8, 1800927	21.8	52
105	LaF ₃ nanolayer surface modified spinel LiNi _{0.5} Mn _{1.5} O ₄ cathode material for advanced lithium-ion batteries. <i>Ceramics International</i> , 2018 , 44, 4058-4066	5.1	33
104	An interface-reconstruction effect for rechargeable aluminum battery in ionic liquid electrolyte to enhance cycling performances. <i>Green Energy and Environment</i> , 2018 , 3, 71-77	5.7	34
103	Electrochemical Behavior of Al(III) and Formation of Different Phases Al-Ni Alloys Deposits from LiCl-KCl-AlCl ₃ Molten Salt. <i>Materials</i> , 2018 , 11,	3.5	2
102	Integrated Surface Functionalization of Li-Rich Cathode Materials for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41802-41813	9.5	43
101	Hierarchical nanoporous Al ₂ O ₃ encapsulated quasi solid electrolyte with superior conductivity and high safety for lithium metal batteries. <i>Solid State Ionics</i> , 2018 , 326, 110-115	3.3	14

100	Chemical Synthesis of K ₂ S ₂ and K ₂ S ₃ for Probing Electrochemical Mechanisms in KB Batteries. <i>ACS Energy Letters</i> , 2018 , 3, 2858-2864	20.1	47
99	Kinetically Determined Phase Transition from Stage II (LiC) to Stage I (LiC) in a Graphite Anode for Li-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5567-5573	6.4	35
98	Unveil the mechanism of solid electrolyte interphase on Na ₃ V ₂ (PO ₄) ₃ formed by a novel NaPF ₆ /BMITFSI ionic liquid electrolyte. <i>Nano Energy</i> , 2018 , 51, 524-532	17.1	39
97	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
96	Polyanion-Type Electrode Materials for Sodium-Ion Batteries. <i>Advanced Science</i> , 2017 , 4, 1600275	13.6	250
95	Multilayered Electride CaN Electrode via Compression Molding Fabrication for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6666-6669	9.5	36
94	Enhanced Structural and Electrochemical Stability of Self-Similar Rice-Shaped SnO Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9747-9755	9.5	42
93	Open-Structured V ₂ O ₅ ·H ₂ O Nanoflakes as Highly Reversible Cathode Material for Monovalent and Multivalent Intercalation Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1602720	21.8	91
92	NaNH ₂ /NaBH ₄ hydrogen storage composite materials synthesized via liquid phase ball-milling: Influence of Co/Ni catalyst on the dehydrogenation performances. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 14725-14733	6.7	15
91	Building an Electronic Bridge via Ag Decoration To Enhance Kinetics of Iron Fluoride Cathode in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19852-19860	9.5	37
90	Energy Storage: Polyanion-Type Electrode Materials for Sodium-Ion Batteries (Adv. Sci. 3/2017). <i>Advanced Science</i> , 2017 , 4,	13.6	1
89	Enhanced hydrogen generation by solid-state thermal decomposition of NaNH ₂ /NaBH ₄ composite promoted with Mg/Co catalyst. <i>Journal of Materials Research</i> , 2017 , 32, 1203-1209	2.5	6
88	3D Hierarchical nano-flake/micro-flower iron fluoride with hydration water induced tunnels for secondary lithium battery cathodes. <i>Nano Energy</i> , 2017 , 32, 10-18	17.1	55
87	Quick Activation of Nanoporous Anatase TiO ₂ as High-Rate and Durable Anode Materials for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39432-39440	9.5	48
86	Wet-chemical coordination synthesized Li ₃ V ₂ (PO ₄) ₃ /C for Li-ion battery cathodes. <i>Journal of Alloys and Compounds</i> , 2017 , 729, 49-56	5.7	22
85	Metal-Ion Batteries: Open-Structured V ₂ O ₅ ·H ₂ O Nanoflakes as Highly Reversible Cathode Material for Monovalent and Multivalent Intercalation Batteries (Adv. Energy Mater. 14/2017). <i>Advanced Energy Materials</i> , 2017 , 7,	21.8	15
84	Insight to the Thermal Decomposition and Hydrogen Desorption Behaviors of NaNH ₂ -NaBH ₄ Hydrogen Storage Composite. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31977-31984	9.5	14
83	Reorganizing electronic structure of Li ₃ V ₂ (PO ₄) ₃ using polyanion (BO ₃) ₃ ²⁻ towards better electrochemical performances. <i>Rare Metals</i> , 2017 , 36, 397-402	5.5	11

82	Confirming reversible Al ³⁺ storage mechanism through intercalation of Al ³⁺ into V ₂ O ₅ nanowires in a rechargeable aluminum battery. <i>Energy Storage Materials</i> , 2017 , 6, 9-17	19.4	197
81	Improved Li storage performance in SnO ₂ nanocrystals by a synergetic doping. <i>Scientific Reports</i> , 2016 , 6, 18978	4.9	55
80	An Effectively Activated Hierarchical Nano-/Microspherical Li _{1.2} Ni _{0.2} Mn _{0.6} O ₂ Cathode for Long-Life and High-Rate Lithium-Ion Batteries. <i>ChemSusChem</i> , 2016 , 9, 728-35	8.3	52
79	Bead-curtain shaped SiC@SiO ₂ core-shell nanowires with superior electrochemical properties for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 190, 33-39	6.7	29
78	Core-shell Si@TiO ₂ nanosphere anode by atomic layer deposition for Li-ion batteries. <i>Journal of Power Sources</i> , 2016 , 308, 75-82	8.9	81
77	Multifunctional ZrF ₄ nanocoating for improving lithium storage performances in layered Li[Li _{0.2} Ni _{0.17} Co _{0.07} Mn _{0.56}]O ₂ . <i>Solid State Ionics</i> , 2016 , 284, 7-13	3.3	18
76	Three-dimensional fusiform hierarchical micro/nano Li _{1.2} Ni _{0.2} Mn _{0.6} O ₂ with a preferred orientation (110) plane as a high energy cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5942-5951	13	89
75	Ag enhanced electrochemical performance for Na ₂ Li ₂ Ti ₆ O ₁₄ anode in rechargeable lithium-ion batteries. <i>Ceramics International</i> , 2016 , 42, 6874-6882	5.1	14
74	Zr-containing phosphate coating to enhance the electrochemical performances of Li-rich layer-structured Li[Li _{0.2} Ni _{0.17} Co _{0.07} Mn _{0.56}]O ₂ . <i>Electrochimica Acta</i> , 2016 , 193, 96-103	6.7	28
73	Enhanced Sodium Ion Storage Behavior of P2-Type Na _{2/3} Fe _{1/2} Mn _{1/2} O ₂ Synthesized via a Chelating Agent Assisted Route. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2857-65	9.5	97
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