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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	Polyanion-Type Electrode Materials for Sodium-Ion Batteries. <i>Advanced Science</i> , 2017 , 4, 1600275	13.6	250
206	Binder-free V ₂ O ₅ cathode for greener rechargeable aluminum battery. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 80-4	9.5	234
205	Effects of Mg doping on the remarkably enhanced electrochemical performance of Na ₃ V ₂ (PO ₄) ₃ cathode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9578-9586	13	197
204	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
203	Hard carbon originated from polyvinyl chloride nanofibers as high-performance anode material for Na-ion battery. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5598-604	9.5	183
202	Cobalt boride catalysts for hydrogen generation from alkaline NaBH ₄ solution. <i>Materials Letters</i> , 2005 , 59, 1748-1751	3.3	178
201	Electrochemically activated spinel manganese oxide for rechargeable aqueous aluminum battery. <i>Nature Communications</i> , 2019 , 10, 73	17.4	169
200	Perspectives for restraining harsh lithium dendrite growth: Towards robust lithium metal anodes. <i>Energy Storage Materials</i> , 2018 , 15, 148-170	19.4	166
199	Carbon-supported platinum catalysts for on-site hydrogen generation from NaBH ₄ solution. <i>Materials Letters</i> , 2006 , 60, 2236-2239	3.3	165
198	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
197	Paving the Path toward Reliable Cathode Materials for Aluminum-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1806510	24	138
196	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
195	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
194	Preparation and electrochemical properties of TiO ₂ hollow spheres as an anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2009 , 191, 614-618	8.9	120
193	Budding willow branches shaped Na ₃ V ₂ (PO ₄) ₃ /C nanofibers synthesized via an electrospinning technique and used as cathode material for sodium ion batteries. <i>Journal of Power Sources</i> , 2015 , 273, 784-792	8.9	119
192	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
191	Sn-doped TiO ₂ nanotubes as superior anode materials for sodium ion batteries. <i>Chemical Communications</i> , 2015 , 51, 8261-4	5.8	116

190	Superior Conductive Solid-like Electrolytes: Nanoconfining Liquids within the Hollow Structures. <i>Nano Letters</i> , 2015 , 15, 3398-402	11.5	104
189	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
188	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
187	Conductive Polymer Binder for High-Tap-Density Nanosilicon Material for Lithium-Ion Battery Negative Electrode Application. <i>Nano Letters</i> , 2015 , 15, 7927-32	11.5	96
186	Open-Structured V ₂ O ₅ ·nH 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
185	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
184	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
183	High-Voltage and Noncorrosive Ionic Liquid Electrolyte Used in Rechargeable Aluminum Battery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27444-27448	9.5	89
182	Metal selenides for high performance sodium ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 380, 122557	14.7	86
181	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
180	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
179	Improved electrochemical and thermal performances of layered Li[Li _{0.2} Ni _{0.17} Co _{0.07} Mn _{0.56}]O ₂ via Li ₂ ZrO ₃ surface modification. <i>Journal of Power Sources</i> , 2015 , 282, 378-384	8.9	84
178	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
177	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
176	Na-Rich NaVN ₂ (PO) ₄ /C for Sodium Ion Batteries: Controlling the Doping Site and Improving the Electrochemical Performances. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27779-27787	9.5	81
175	Improved electron/Li-ion transport and oxygen stability of Mo-doped Li ₂ MnO ₃ . <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4811	13	76
174	Enhanced cycling stability of LiMn ₂ O ₄ cathode by amorphous FePO ₄ coating. <i>Electrochimica Acta</i> , 2011 , 56, 6612-6618	6.7	75
173	Hierarchical Mesoporous Lithium-Rich Li[Li _{0.2} Ni _{0.2} Mn _{0.6}]O ₂ Cathode Material Synthesized via Ice Templating for Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18832-40	9.5	74

172	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
171	Remarkable Effect of Sodium Alginate Aqueous Binder on Anatase TiO as High-Performance Anode in Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5560-5568	9.5	69
170	Highly Safe Ionic Liquid Electrolytes for Sodium-Ion Battery: Wide Electrochemical Window and Good Thermal Stability. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21381-6	9.5	69
169	Understanding the Electrochemical Mechanisms Induced by Gradient Mg ²⁺ Distribution of Na-Rich Na ₃ +xV ₂ ◻Mgx(PO ₄) ₃ /C for Sodium Ion Batteries. <i>Chemistry of Materials</i> , 2018 , 30, 2498-2505	9.6	68
168	Controllable synthesis of high-rate and long cycle-life Na ₃ V ₂ (PO ₄) ₃ for sodium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 326, 14-22	8.9	65
167	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
166	Improved cycling performance of 5V spinel LiMn _{1.5} Ni _{0.5} O ₄ by amorphous FePO ₄ coating. <i>Journal of Power Sources</i> , 2012 , 219, 333-338	8.9	64
165	Novel AlF ₃ surface modified spinel LiMn _{1.5} Ni _{0.5} O ₄ for lithium-ion batteries: performance characterization and mechanism exploration. <i>Electrochimica Acta</i> , 2015 , 158, 73-80	6.7	61
164	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
163	Improved Li storage performance in SnO ₂ nanocrystals by a synergetic doping. <i>Scientific Reports</i> , 2016 , 6, 18978	4.9	55
162	A Na ₃ V ₂ (PO ₄) ₂ O _{1.6} F _{1.4} Cathode of Zn-Ion Battery Enabled by a Water-in-Bisalt Electrolyte. <i>Advanced Functional Materials</i> , 2020 , 30, 2003511	15.6	54
161	Performance improvement of LiCoO ₂ by MgF ₂ surface modification and mechanism exploration. <i>Electrochimica Acta</i> , 2014 , 134, 347-354	6.7	54
160	Local Electric-Field-Driven Fast Li Diffusion Kinetics at the Piezoelectric LiTaO Modified Li-Rich Cathode-Electrolyte Interphase. <i>Advanced Science</i> , 2020 , 7, 1902538	13.6	54
159	Improved electrochemical performance of spinel LiMn _{1.5} Ni _{0.5} O ₄ through MgF ₂ nano-coating. <i>Nanoscale</i> , 2015 , 7, 15609-17	7.7	52
158	In Situ Analysis of Gas Generation in Lithium-Ion Batteries with Different Carbonate-Based Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22751-5	9.5	52
157	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
156	Stable Carbon◻Selenium Bonds for Enhanced Performance in Tremella-Like 2D Chalcogenide Battery Anode. <i>Advanced Energy Materials</i> , 2018 , 8, 1800927	21.8	52
155	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

154	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
153	Polymer electrolytes and interfaces toward solid-state batteries: Recent advances and prospects. <i>Energy Storage Materials</i> , 2020 , 33, 26-54	19.4	51
152	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
151	Toward 5 V Li-Ion Batteries: Quantum Chemical Calculation and Electrochemical Characterization of Sulfone-Based High-Voltage Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15098-107	9.5	48
150	Preparation and characterization of solid polymer electrolytes based on PHEMO and PVDF-HFP. <i>Solid State Ionics</i> , 2009 , 180, 677-680	3.3	48
149	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
148	Experimental and theoretical studies of Raman spectroscopy on 4-mercaptopyridine aqueous solution and 4-mercaptopyridine/Ag complex system. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 1106-1113	11.3	46
147	Understanding the combined effects of microcrystal growth and band gap reduction for Fe(100)/TiF ₃ nanocomposites as cathode materials for lithium-ion batteries. <i>Nano Energy</i> , 2015 , 17, 140-151	17.1	45
146	AlF ₃ surface-coated Li[Li _{0.2} Ni _{0.17} Co _{0.07} Mn _{0.56}]O ₂ nanoparticles with superior electrochemical performance for lithium-ion batteries. <i>ChemSusChem</i> , 2015 , 8, 2544-50	8.3	45
145	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
144	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
143	NiCoB catalyst-promoted hydrogen generation by hydrolyzing NaBH ₄ solution for in situ hydrogen supply of portable fuel cells. <i>Catalysis Today</i> , 2011 , 170, 33-39	5.3	41
142	High-Mass-Loading Electrodes for Advanced Secondary Batteries and Supercapacitors. <i>Electrochemical Energy Reviews</i> , 2021 , 4, 382-446	29.3	41
141	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
140	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
139	Hard carbon anode materials for sodium-ion batteries. <i>Functional Materials Letters</i> , 2018 , 11, 1830003	1.2	39
138	Surface modification of spinel LiMn ₂ O ₄ with FeF ₃ for lithium ion batteries. <i>Electrochimica Acta</i> , 2013 , 108, 727-735	6.7	39
137	High-Rate, Durable Sodium-Ion Battery Cathode Enabled by Carbon-Coated Micro-Sized Na ₃ V ₂ (PO ₄) ₃ Particles with Interconnected Vertical Nanowalls. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500740	4.6	39

136	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
135	Reversible Al ³⁺ storage mechanism in anatase TiO ₂ cathode material for ionic liquid electrolyte-based aluminum-ion batteries. <i>Journal of Energy Chemistry</i> , 2020 , 51, 72-80	12	38
134	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
133	Improving the Performances of LiCoO ₂ Cathode Materials by Soaking Nano-Alumina in Commercial Electrolyte. <i>Journal of the Electrochemical Society</i> , 2007 , 154, A55	3.9	38
132	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
131	Na ₃ V ₂ (PO ₄) ₃ /C nanorods as advanced cathode material for sodium ion batteries. <i>Solid State Ionics</i> , 2015 , 278, 281-286	3.3	37
130	Hyperaccumulation Route to Ca-Rich Hard Carbon Materials with Cation Self-Incorporation and Interlayer Spacing Optimization for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10544-10553	9.5	37
129	Lithium-Rich Nanoscale Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ Cathode Material Prepared by Co-Precipitation Combined Freeze Drying (CPBD) for Lithium-Ion Batteries. <i>Energy Technology</i> , 2015 , 3, 843-850	3.5	37
128	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
127	Elucidating the Mechanism of Fast Na Storage Kinetics in Ether Electrolytes for Hard Carbon Anodes. <i>Advanced Materials</i> , 2021 , 33, e2008810	24	37
126	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
125	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
124	Rate performance of Li ₃ V ₂ (PO ₄) ₃ /C cathode material and its Li ⁺ ion intercalation behavior. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 236-241	5.7	36
123	Electrochemical performance of flowerlike CaSnO ₃ as high capacity anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2010 , 55, 3891-3896	6.7	36
122	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
121	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
120	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
119	An Extremely Fast Charging Li ₃ V ₂ (PO ₄) ₃ Cathode at a 4.8 V Cutoff Voltage for Li-Ion Batteries. <i>ACS Energy Letters</i> , 2020 , 5, 1763-1770	20.1	34

118	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
117	New concept of surface modification to LiCoO ₂ . <i>Journal of Power Sources</i> , 2007 , 174, 328-334	8.9	34
116	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
115	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
114	Flame-retardant gel polymer electrolyte and interface for quasi-solid-state sodium ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 401, 126065	14.7	33
113	A novel pineapple-structured Si/TiO ₂ composite as anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2014 , 609, 86-92	5.7	33
112	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
111	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
110	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
109	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
108	Raman study of pure, C-coated and Co-doped LiFePO ₄ : thermal effect and phase stability upon laser heating. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 831-838	2.3	31
107	Investigation of FeB alloy prepared by an electric arc method and used as the anode material for alkaline secondary batteries. <i>Electrochemistry Communications</i> , 2009 , 11, 145-148	5.1	31
106	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
105	Highly active cobalt-based catalysts in situ prepared from CoX ₂ (X=Cl, NO ₃) and used for promoting hydrogen generation from NaBH ₄ solution. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 2675-2679	6.7	29
104	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
103	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
102	Enhanced cycling stability and thermal stability of YPO ₄ -coated LiMn ₂ O ₄ cathode materials for lithium ion batteries. <i>Solid State Ionics</i> , 2013 , 247-248, 22-29	3.3	28
101	Fast hydrogen generation from NaBH ₄ solution accelerated by ferric catalysts. <i>Materials Letters</i> , 2008 , 62, 4242-4244	3.3	28

100	Enhanced lithium storage capability of Fe ₃ O ₄ ·3H ₂ O single crystal with active insertion site exposed. <i>Nano Energy</i> , 2019 , 56, 884-892	17.1	28
99	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
98	Nickel and nitrogen co-doped tin dioxide nano-composite as a potential anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014 , 143, 257-264	6.7	26
97	Sodium Ion Battery: A Promising Energy-storage Candidate for Supporting Renewable Electricity. <i>Acta Chimica Sinica</i> , 2014 , 72, 21	3.3	26
96	Hyperbranched polyether boosting ionic conductivity of polymer electrolytes for all-solid-state sodium ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 394, 124885	14.7	25
95	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
94	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
93	A novel approach to improve the electrochemical performances of layered LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode by YPO ₄ surface coating. <i>Electrochimica Acta</i> , 2013 , 112, 414-421	6.7	23
92	Characterizations of composite NaNH ₂ /NaBH ₄ hydrogen storage materials synthesized via ball milling. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 889-893	6.7	23
91	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
90	Improved electrochemical properties of Sn-doped TiO ₂ nanotube as an anode material for lithium ion battery. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 1933-1940	2.6	22
89	First-principles investigation in the Raman and infrared spectra of sp ³ carbon allotropes. <i>Carbon</i> , 2014 , 78, 70-78	10.4	21
88	Al-doped SnO ₂ hollow sphere as a novel anode material for lithium ion battery. <i>Solid State Ionics</i> , 2015 , 272, 133-137	3.3	21
87	Metal Chalcogenides with Heterostructures for High-Performance Rechargeable Batteries. <i>Small Science</i> , 2021 , 1, 2100012		21
86	Lithium metal batteries for high energy density: Fundamental electrochemistry and challenges. <i>Journal of Energy Chemistry</i> , 2021 , 59, 666-687	12	21
85	Ionic Liquid-Based Electrolytes for Aluminum/Magnesium/Sodium-Ion Batteries. <i>Energy Material Advances</i> , 2021 , 2021, 1-29	1	21
84	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
83	Performance improvement of spinel LiMn ₂ O ₄ cathode material by LaF ₃ surface modification. <i>Solid State Ionics</i> , 2013 , 253, 1-7	3.3	19

82	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
81	Chlorinated dual-protective layers as interfacial stabilizer for dendrite-free lithium metal anode. <i>Energy Storage Materials</i> , 2021 , 41, 485-494	19.4	18
80	PYFSI-Infiltrated SBA-15 as Nonflammable and High Ion-Conductive Ionogel Electrolytes for Quasi-Solid-State Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22981-22991	9.5	17
79	Electrochemical performances of Si/TiO ₂ composite synthesized by hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2013 , 579, 7-11	5.7	17
78	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
77	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
76	High performance FeF _x /C composites as cathode materials for lithium-ion batteries. <i>Journal of Renewable and Sustainable Energy</i> , 2013 , 5, 021402	2.5	16
75	NaNH ₂ -NaBH ₄ hydrogen storage composite materials synthesized via liquid phase ball-milling: Influence of CoNiB catalyst on the dehydrogenation performances. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 14725-14733	6.7	15
74	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
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