

Zhao-Yin Wen

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254
papers

10,286
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89
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259
ext. papers

12,124
ext. citations

8.7
avg, IF

6.74
L-index

#	Paper	IF	Citations
254	Improved cycling performances of lithium sulfur batteries with LiNO ₃ -modified electrolyte. <i>Journal of Power Sources</i> , 2011 , 196, 9839-9843	8.9	407
253	A lithium anode protection guided highly-stable lithium-sulfur battery. <i>Chemical Communications</i> , 2014 , 50, 14209-12	5.8	316
252	A free-standing-type design for cathodes of rechargeable LiO ₂ batteries. <i>Energy and Environmental Science</i> , 2011 , 4, 4727	35.4	276
251	Highly dispersed sulfur in ordered mesoporous carbon sphere as a composite cathode for rechargeable polymer Li/S battery. <i>Journal of Power Sources</i> , 2011 , 196, 3655-3658	8.9	219
250	Constructing Highly Oriented Configuration by Few-Layer MoS ₂ : Toward High-Performance Lithium-Ion Batteries and Hydrogen Evolution Reactions. <i>ACS Nano</i> , 2015 , 9, 12464-72	16.7	215
249	Preparation and electrochemical performance of Ag doped Li ₄ Ti ₅ O ₁₂ . <i>Electrochemistry Communications</i> , 2004 , 6, 1093-1097	5.1	214
248	A nano-structured and highly ordered polypyrrole-sulfur cathode for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2011 , 196, 6951-6955	8.9	213
247	Electrochemical behaviors of a Li ₃ N modified Li metal electrode in secondary lithium batteries. <i>Journal of Power Sources</i> , 2011 , 196, 8091-8097	8.9	199
246	Vinylene carbonate-LiNO ₃ : A hybrid additive in carbonic ester electrolytes for SEI modification on Li metal anode. <i>Electrochemistry Communications</i> , 2015 , 51, 59-63	5.1	192
245	Lithium Ion-Conducting Glass-Ceramics of Li _{1.5} Al _{0.5} Ge _{1.5} (PO ₄) ₃ Li ₂ O (x=0.00-2.0) with Good Electrical and Electrochemical Properties. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2802-2806	3.8	184
244	Main Challenges for High Performance NAS Battery: Materials and Interfaces. <i>Advanced Functional Materials</i> , 2013 , 23, 1005-1018	15.6	164
243	A shuttle effect free lithium sulfur battery based on a hybrid electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21225-9	3.6	153
242	Research on sodium sulfur battery for energy storage. <i>Solid State Ionics</i> , 2008 , 179, 1697-1701	3.3	142
241	Enhanced performance of lithium sulfur battery with self-assembly polypyrrole nanotube film as the functional interlayer. <i>Journal of Power Sources</i> , 2015 , 273, 511-516	8.9	139
240	Enhanced performance of lithium sulfur battery with polypyrrole warped mesoporous carbon/sulfur composite. <i>Journal of Power Sources</i> , 2014 , 254, 353-359	8.9	132
239	A composite of sulfur and polypyrrole-multi walled carbon combinatorial nanotube as cathode for Li/S battery. <i>Journal of Power Sources</i> , 2012 , 206, 409-413	8.9	128
238	Unraveling the Catalytic Mechanism of Co ₃ O ₄ for the Oxygen Evolution Reaction in a LiO ₂ Battery. <i>ACS Catalysis</i> , 2015 , 5, 73-81	13.1	118

237	Enhanced cycle performance of LiS battery with a polypyrrole functional interlayer. <i>Journal of Power Sources</i> , 2014 , 267, 542-546	8.9	117
236	Enhanced cycle performance of a LiS battery based on a protected lithium anode. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19355-19359	13	112
235	A tubular polypyrrole based air electrode with improved O ₂ diffusivity for LiO ₂ batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 7893	35.4	112
234	A potassium-rich iron hexacyanoferrate/dipotassium terephthalate@carbon nanotube composite used for K-ion full-cells with an optimized electrolyte. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19017-19024	13	108
233	Flexible self-supporting graphene@sulfur paper for lithium sulfur batteries. <i>RSC Advances</i> , 2013 , 3, 2558	3.7	106
232	In Situ Generated Fireproof Gel Polymer Electrolyte with Li _{6.4} Ga _{0.2} La ₃ Zr ₂ O ₁₂ As Initiator and Ion-Conductive Filler. <i>Advanced Energy Materials</i> , 2019 , 9, 1900611	21.8	102
231	Hollow polyaniline sphere@sulfur composites for prolonged cycling stability of lithium@sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10350-10354	13	101
230	An in situ element permeation constructed high endurance Li@LZO interface at high current densities. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18853-18858	13	99
229	Sulfonic Groups Originated Dual-Functional Interlayer for High Performance Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14878-14888	9.5	97
228	Pre-modified Li ₃ PS ₄ based interphase for lithium anode towards high-performance Li-S battery. <i>Energy Storage Materials</i> , 2018 , 11, 16-23	19.4	96
227	A gel-ceramic multi-layer electrolyte for long-life lithium sulfur batteries. <i>Chemical Communications</i> , 2016 , 52, 1637-40	5.8	96
226	Highly disordered hard carbon derived from skimmed cotton as a high-performance anode material for potassium-ion batteries. <i>Journal of Power Sources</i> , 2018 , 396, 533-541	8.9	84
225	High-Strength Internal Cross-Linking Bacterial Cellulose-Network-Based Gel Polymer Electrolyte for Dendrite-Suppressing and High-Rate Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17809-17819	9.5	84
224	One-Step Solvothermal Synthesis of Nanostructured Manganese Fluoride as an Anode for Rechargeable Lithium-Ion Batteries and Insights into the Conversion Mechanism. <i>Advanced Energy Materials</i> , 2015 , 5, 1401716	21.8	83
223	Enhanced performance of lithium sulfur batteries with conductive polymer modified separators. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16968-16974	13	82
222	Highly stable garnet solid electrolyte based Li-S battery with modified anodic and cathodic interfaces. <i>Energy Storage Materials</i> , 2018 , 15, 282-290	19.4	82
221	Surface Acidity as Descriptor of Catalytic Activity for Oxygen Evolution Reaction in Li-O ₂ Battery. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13572-9	16.4	80
220	Reversible ion exchange and structural stability of garnet-type Nb-doped Li ₇ La ₃ Zr ₂ O ₁₂ in water for applications in lithium batteries. <i>Journal of Power Sources</i> , 2015 , 282, 286-293	8.9	80

219	Li/Li ₇ La ₃ Zr ₂ O ₁₂ /LiFePO ₄ All-Solid-State Battery with Ultrathin Nanoscale Solid Electrolyte. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 1431-1435	3.8	79
218	Acid induced conversion towards a robust and lithiophilic interface for Li ₇ La ₃ Zr ₂ O ₁₂ solid-state batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14565-14574	13	79
217	A Li-Garnet composite ceramic electrolyte and its solid-state Li-S battery. <i>Journal of Power Sources</i> , 2018 , 382, 190-197	8.9	79
216	Composite Solid Polymer Electrolyte with Garnet Nanosheets in Poly(ethylene oxide). <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7163-7170	8.3	77
215	ZnO nanoarray-modified nickel foam as a lithiophilic skeleton to regulate lithium deposition for lithium-metal batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7752-7759	13	77
214	Highly Adhesive Li-BN Nanosheet Composite Anode with Excellent Interfacial Compatibility for Solid-State Li Metal Batteries. <i>ACS Nano</i> , 2019 , 13, 14549-14556	16.7	74
213	Synthesis of ordered mesoporous CuCo ₂ O ₄ with different textures as anode material for lithium ion battery. <i>Microporous and Mesoporous Materials</i> , 2013 , 169, 242-247	5.3	73
212	Gel polymer electrolyte with ionic liquid for high performance lithium sulfur battery. <i>Solid State Ionics</i> , 2012 , 225, 604-607	3.3	72
211	Hierarchically ordered mesoporous Co ₃ O ₄ materials for high performance Li-ion batteries. <i>Scientific Reports</i> , 2016 , 6, 19564	4.9	72
210	Self-catalyzed decomposition of discharge products on the oxygen vacancy sites of MoO ₃ nanosheets for low-overpotential Li-O ₂ batteries. <i>Nano Energy</i> , 2017 , 36, 186-196	17.1	71
209	Air Electrode for the Lithium-Air Batteries: Materials and Structure Designs. <i>ChemPlusChem</i> , 2015 , 80, 270-287	2.8	66
208	Graphene nanosheets loaded with Pt nanoparticles with enhanced electrochemical performance for sodium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2568-2571	13	65
207	Electronic and ionic co-conductive coating on the separator towards high-performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2016 , 306, 347-353	8.9	62
206	Mesoporous carbon nitride loaded with Pt nanoparticles as a bifunctional air electrode for rechargeable lithium-air battery. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1863-1868	2.6	61
205	The doping effect on the catalytic activity of graphene for oxygen evolution reaction in a lithium-air battery: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14605-12	3.6	60
204	Two-step sintering strategy to prepare dense Li-Garnet electrolyte ceramics with high Li ⁺ conductivity. <i>Ceramics International</i> , 2018 , 44, 5660-5667	5.1	57
203	Local Lattice Distortion Activate Metastable Metal Sulfide as Catalyst with Stable Full Discharge-Charge Capability for Li-O Batteries. <i>Nano Letters</i> , 2017 , 17, 3518-3526	11.5	56
202	A rGO/NT aerogel covalently bonded with a nitrogen-rich polymer as a polysulfide adsorptive cathode for high sulfur loading lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14775-14782	13	56

201	In Situ Conversion of Cu ₃ P Nanowires to Mixed Ion/Electron-Conducting Skeleton for Homogeneous Lithium Deposition. <i>Advanced Energy Materials</i> , 2020 , 10, 1902989	21.8	56
200	Metal-organic-framework-derived N-C-Co film as a shuttle-suppressing interlayer for lithium sulfur battery. <i>Chemical Engineering Journal</i> , 2018 , 334, 2356-2362	14.7	55
199	Improved electrochemical property of Ni-rich LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode via in-situ ZrO ₂ coating for high energy density lithium ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 389, 124403	14.7	53
198	FeS Nanoparticles Anchored on Nitrogen-Doped Graphene Nanosheets as Anode Materials for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29476-29485	9.5	52
197	Enhanced electrochemical performance promoted by monolayer graphene and void space in silicon composite anode materials. <i>Nano Energy</i> , 2016 , 27, 647-657	17.1	52
196	Manipulating Li ₂ O atmosphere for sintering dense Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolyte. <i>Energy Storage Materials</i> , 2019 , 22, 207-217	19.4	51
195	Electrochemical performance and stability of cobalt-free Ln _{1.2} Sr _{0.8} NiO ₄ (Ln=La and Pr) air electrodes for proton-conducting reversible solid oxide cells. <i>Electrochimica Acta</i> , 2018 , 267, 269-277	6.7	51
194	Nanoporous Adsorption Effect on Alteration of the Li Diffusion Pathway by a Highly Ordered Porous Electrolyte Additive for High-Rate All-Solid-State Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23874-23882	9.5	50
193	Research activities in Shanghai Institute of Ceramics, Chinese Academy of Sciences on the solid electrolytes for sodium sulfur batteries. <i>Journal of Power Sources</i> , 2008 , 184, 641-645	8.9	50
192	Method Using Water-Based Solvent to Prepare LiLaZrO Solid Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17147-17155	9.5	49
191	Suppressing the dissolution of polysulfides with cosolvent fluorinated diether towards high-performance lithium sulfur batteries. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29293-29299	3.6	49
190	Mesoporous Co ₃ O ₄ with different porosities as catalysts for the lithium-oxygen cell. <i>Solid State Ionics</i> , 2012 , 225, 598-603	3.3	49
189	From Nature to Energy Storage: A Novel Sustainable 3D Cross-Linked Chitosan-PEGGE-Based Gel Polymer Electrolyte with Excellent Lithium-Ion Transport Properties for Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38526-38537	9.5	49
188	Self-template construction of mesoporous silicon submicrocube anode for advanced lithium ion batteries. <i>Energy Storage Materials</i> , 2018 , 15, 139-147	19.4	46
187	On the dispersion of lithium-sulfur battery cathode materials effected by electrostatic and stereo-chemical factors of binders. <i>Journal of Power Sources</i> , 2016 , 324, 455-461	8.9	45
186	Enhancement of long stability of LiS battery by thin wall hollow spherical structured polypyrrole based sulfur cathode. <i>RSC Advances</i> , 2014 , 4, 21612-21618	3.7	45
185	Preparation of dense Ta-LLZO/MgO composite Li-ion solid electrolyte: Sintering, microstructure, performance and the role of MgO. <i>Journal of Energy Chemistry</i> , 2019 , 39, 8-16	12	44
184	Leakage behavior of toxic substances of naphthalene sulfonate-formaldehyde condensation from cement based materials. <i>Journal of Environmental Management</i> , 2020 , 255, 109934	7.9	44

183	Realization of the Li ⁺ domain diffusion effect via constructing molecular brushes on the LLZTO surface and its application in all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 27304-27312	13	43
182	In Situ Lithiophilic Layer from H/Li Exchange on Garnet Surface for the Stable Lithium-Solid Electrolyte Interface. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35030-35038	9.5	42
181	Overcoming the abnormal grain growth in Ga-doped Li ₇ La ₃ Zr ₂ O ₁₂ to enhance the electrochemical stability against Li metal. <i>Ceramics International</i> , 2019 , 45, 14991-14996	5.1	42
180	Robust and Conductive Red MoSe for Stable and Fast Lithium Storage. <i>ACS Nano</i> , 2018 , 12, 4010-4018	16.7	42
179	A novel strategy to prepare Ge@C/rGO hybrids as high-rate anode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2017 , 342, 521-528	8.9	41
178	Effects of alumina whisker in (PEO) ₈ LiClO ₄ -based composite polymer electrolytes. <i>Solid State Ionics</i> , 2002 , 148, 185-191	3.3	40
177	The long life-span of a Li-metal anode enabled by a protective layer based on the pyrolyzed N-doped binder network. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9339-9349	13	39
176	Molybdenum-doped lithium-rich layered-structured cathode material Li _{1.2} Ni _{0.2} Mn _{0.6} O ₂ with high specific capacity and improved rate performance. <i>Electrochimica Acta</i> , 2015 , 168, 234-239	6.7	39
175	Facile synthesis of the sandwich-structured germanium/reduced graphene oxide hybrid: an advanced anode material for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13430-13438	13	38
174	Synthesis of MnO ₂ nanowires modified by Co ₃ O ₄ nanoparticles as a high-performance catalyst for rechargeable Li-O ₂ batteries. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 926-31	3.6	38
173	Mixed-carbon-coated LiMn _{0.4} Fe _{0.6} PO ₄ nanopowders with excellent high rate and low temperature performances for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 196, 377-385	6.7	38
172	Research on spray-dried lithium titanate as electrode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2005 , 146, 670-673	8.9	38
171	A 3D Cross-Linking Lithiophilic and Electronically Insulating Interfacial Engineering for Garnet-Type Solid-State Lithium Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2007815	15.6	38
170	Enhancing metallic lithium battery performance by tuning the electrolyte solution structure. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1612-1620	13	38
169	A hybrid electrolyte for long-life semi-solid-state lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13971-13975	13	37
168	Interconnected CoFeO-Polypyrrole Nanotubes as Anode Materials for High Performance Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36927-36935	9.5	37
167	A high-energy quinone-based all-solid-state sodium metal battery. <i>Nano Energy</i> , 2019 , 62, 718-724	17.1	37
166	An ion-conductive Li _{1.5} Al _{0.5} Ge _{1.5} (PO ₄) ₃ -based composite protective layer for lithium metal anode in lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2018 , 377, 36-43	8.9	37

165	Carbon Disulfide Cosolvent Electrolytes for High-Performance Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34379-34386	9.5	37
164	Hierarchical mesoporous iron-based fluoride with partially hollow structure: facile preparation and high performance as cathode material for rechargeable lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 8556-62	3.6	37
163	Trimethylsilyl Chloride-Modified Li Anode for Enhanced Performance of Li-S Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16386-95	9.5	36
162	Self-supported mesoporous FeCo ₂ O ₄ nanosheets as high capacity anode material for sodium-ion battery. <i>Chemical Engineering Journal</i> , 2017 , 330, 764-773	14.7	36
161	Carbon-coated isotropic natural graphite spheres as anode material for lithium-ion batteries. <i>Ceramics International</i> , 2017 , 43, 9458-9464	5.1	35
160	In situ formation of LiF decoration on a Li-rich material for long-cycle life and superb low-temperature performance. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11513-11519	13	35
159	Open mesoporous spherical shell structured Co ₃ O ₄ with highly efficient catalytic performance in LiD ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7600-7606	13	35
158	Improving the electrochemical properties of high-energy cathode material LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ by Zr doping and sintering in oxygen. <i>Solid State Ionics</i> , 2015 , 279, 11-17	3.3	35
157	Synthesis and characterization of perovskite-type (Li,Sr)(Zr,Nb)O ₃ quaternary solid electrolyte for all-solid-state batteries. <i>Journal of Power Sources</i> , 2016 , 306, 623-629	8.9	35
156	Scalable synthesis of hierarchical porous Ge/rGO microspheres with an ultra-long cycling life for lithium storage. <i>Journal of Power Sources</i> , 2018 , 396, 124-133	8.9	35
155	A conductive selenized polyacrylonitrile cathode material for re-chargeable lithium batteries with long cycle life. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19815-19821	13	34
154	Recent advances in anodic interface engineering for solid-state lithium-metal batteries. <i>Materials Horizons</i> , 2020 , 7, 1667-1696	14.4	34
153	Improving the electrochemical performance of Li-rich Li _{1.2} Ni _{0.2} Mn _{0.6} O ₂ by using Ni-Mn oxide surface modification. <i>Journal of Power Sources</i> , 2018 , 390, 13-19	8.9	34
152	Porous carbon-coated NaTi ₂ (PO ₄) ₃ with superior rate and low-temperature properties. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2365-2370	13	34
151	The enhanced performance of LiB battery with P14YRTFSI-modified electrolyte. <i>Solid State Ionics</i> , 2014 , 262, 174-178	3.3	34
150	Cobalt-Metal-Based Cathode for Lithium-Oxygen Battery with Improved Electrochemical Performance. <i>ACS Catalysis</i> , 2016 , 6, 4149-4153	13.1	34
149	Wave-like free-standing NiCo ₂ O ₄ cathode for lithium-oxygen battery with high discharge capacity. <i>Journal of Power Sources</i> , 2015 , 294, 593-601	8.9	33
148	Sustained Release-Driven Formation of Ultrastable SEI between Li ₆ PS ₅ Cl and Lithium Anode for Sulfide-Based Solid-State Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2002545	21.8	33

- 147 Recent Progress in Liquid Electrolyte-Based LiB Batteries: Shuttle Problem and Solutions. *Electrochemical Energy Reviews*, **2018**, 1, 599-624 29.3 33
- 146 Cobalt-substituted Na_{0.44}Mn_{1-x}Co_xO₂: phase evolution and a high capacity positive electrode for sodium-ion batteries. *Electrochimica Acta*, **2016**, 213, 496-503 6.7 32
- 145 One-step microwave synthesized core-shell structured selenium@carbon spheres as cathode materials for rechargeable lithium batteries. *Chemical Communications*, **2016**, 52, 5613-6 5.8 32
- 144 Sol-gel synthesis of Mg²⁺ stabilized Na- β -Al₂O₃ solid electrolyte for sodium anode battery. *Journal of Alloys and Compounds*, **2014**, 613, 80-86 5.7 32
- 143 From nanomelting to nanobeads: nanostructured Sb_xBi_{1-x} alloys anchored in three-dimensional carbon frameworks as a high-performance anode for potassium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 27041-27047 13 32
- 142 Constructing dual interfacial modification by synergetic electronic and ionic conductors: Toward high-performance LAGP-Based Li-S batteries. *Energy Storage Materials*, **2019**, 23, 299-305 19.4 27
- 141 Solid polymer electrolyte based on thermoplastic polyurethane and its application in all-solid-state lithium ion batteries. *Solid State Ionics*, **2017**, 309, 15-21 3.3 27
- 140 In situ synthesis of core-shell structured Ge@NC hybrids as high performance anode material for lithium-ion batteries. *Chemical Engineering Journal*, **2019**, 360, 1301-1309 14.7 27
- 139 Enhanced cycle performance of a Na/NiCl₂ battery based on Ni particles encapsulated with Ni₃S₂ layer. *Journal of Power Sources*, **2017**, 340, 411-418 8.9 26
- 138 Influence of La₂Zr₂O₇ Additive on Densification and Li⁺ Conductivity for Ta-Doped Li₇La₃Zr₂O₁₂ Garnet. *Jom*, **2016**, 68, 2593-2600 2.1 26
- 137 A new gridding cyanoferrate anode material for lithium and sodium ion batteries: Ti_{0.75}Fe_{0.25}[Fe(CN)₆]_{0.96}·1.9H₂O with excellent electrochemical properties. *Journal of Power Sources*, **2016**, 314, 35-38 8.9 26
- 136 Sintering, micro-structure and Li⁺ conductivity of Li_{7-x}La₃Zr₂Y_bO₁₂/MgO (x = 0.2-0.7) Li-Garnet composite ceramics. *Ceramics International*, **2019**, 45, 56-63 5.1 26
- 135 Atomic-Thick TiO(B) Nanosheets Decorated with Ultrafine CoO Nanocrystals As a Highly Efficient Catalyst for Lithium-Oxygen Battery. *ACS Applied Materials & Interfaces*, **2018**, 10, 41398-41406 9.5 26
- 134 Performance and stability of BaCe_{0.8-x}Zr_{0.2}In_xO₃-based materials and reversible solid oxide cells working at intermediate temperature. *International Journal of Hydrogen Energy*, **2017**, 42, 28549-28558 6.7 25
- 133 Favorable lithium deposition behaviors on flexible carbon microtube skeleton enable a high-performance lithium metal anode. *Journal of Materials Chemistry A*, **2018**, 6, 19159-19166 13 25
- 132 Towards improved structural stability and electrochemical properties of a Li-rich material by a strategy of double gradient surface modification. *Nano Energy*, **2019**, 61, 411-419 17.1 24
- 131 Influence of a surface modified Li anode on the electrochemical performance of LiB batteries. *RSC Advances*, **2016**, 6, 40270-40276 3.7 24
- 130 Lattice Incorporation of Cu into the BaCeZrYYbO Electrolyte on Boosting Its Sintering and Proton-Conducting Abilities for Reversible Solid Oxide Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 42387-42396 9.5 24

129	High-performance phosphorus-modified SiO/C anode material for lithium ion batteries. <i>Ceramics International</i> , 2018 , 44, 18509-18515	5.1	23
128	Preparation and electrochemical properties of Li[Ni _{1/3} Co _{1/3} Mn _{1/3}]/ α -ZrO ₂ cathode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2007 , 174, 544-547	8.9	23
127	Low-cost shape-control synthesis of porous carbon film on α -alumina ceramics for Na-based battery application. <i>Journal of Power Sources</i> , 2012 , 219, 1-8	8.9	22
126	A novel Bi-doped borosilicate glass as sealant for sodium sulfur battery. Part 1: Thermophysical characteristics and structure. <i>Journal of Power Sources</i> , 2010 , 195, 384-388	8.9	22
125	Cobalt Phosphide Nanoflake-Induced Flower-like Sulfur for High Redox Kinetics and Fast Ion Transfer in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49626-49635	9.5	22
124	Grain boundary modification in garnet electrolyte to suppress lithium dendrite growth. <i>Chemical Engineering Journal</i> , 2021 , 411, 128508	14.7	22
123	Controlling uniform deposition of discharge products at the nanoscale for rechargeable Na ₂ S ₂ O ₈ batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7238-7244	13	22
122	Highly active mixed-valent MnO _x spheres constructed by nanocrystals as efficient catalysts for long-cycle Li ₂ O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17129-17137	13	22
121	Anchoring Nanostructured Manganese Fluoride on Few-Layer Graphene Nanosheets as Anode for Enhanced Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1819-26	9.5	21
120	A High-Rate Ionic Liquid Lithium-O ₂ Battery with LiOH Product. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 5968-5973	3.8	20
119	Assembly of Multifunctional NiP/NiS Heterostructures and Their Superstructure for High Lithium and Sodium Anodic Performance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28549-28557	9.5	20
118	Preparation and characterization of carbon-coated Li[Ni _{1/3} Co _{1/3} Mn _{1/3}]/O ₂ cathode material for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 1807-1811	2.6	20
117	Improved performance of Li-S battery with hybrid electrolyte by interface modification. <i>Solid State Ionics</i> , 2017 , 300, 67-72	3.3	19
116	A selenium@polypyrrole hollow sphere cathode for rechargeable lithium batteries. <i>RSC Advances</i> , 2015 , 5, 20346-20350	3.7	19
115	High rate LiMn ₂ O ₄ /carbon nanotube composite prepared by a two-step hydrothermal process. <i>Journal of Power Sources</i> , 2014 , 268, 491-497	8.9	18
114	Nickel nanowire network coating to alleviate interfacial polarization for Na-beta battery applications. <i>Journal of Power Sources</i> , 2013 , 240, 786-795	8.9	18
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