

# Ping He

## 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.

230 papers	11,899 citations	62 h-index	103 g-index
254 ext. papers	14,209 ext. citations	10.9 avg, IF	7 L-index

#	Paper	IF	Citations
230	A long-life lithium-oxygen battery via a molecular quenching/mediating mechanism.. <i>Science Advances</i> , <b>2022</b> , 8, eabm1899	14.3	9
229	Highly safe and stable lithium-metal batteries based on a quasi-solid-state electrolyte. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 651-663	13	3
228	Achieving long cycle life for all-solid-state rechargeable Li-I battery by a confined dissolution strategy.. <i>Nature Communications</i> , <b>2022</b> , 13, 125	17.4	2
227	Tracking Attitude With Sum-of-Squares Programming for A Fixed-Wing Air Vehicle. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2022</b> , 1-1	3.5	1
226	Finite-Time Attitude Cooperative Control of Multiple Unmanned Aerial Vehicles via Fast Nonsingular Terminal Sliding Mode Control. <i>Wireless Communications and Mobile Computing</i> , <b>2022</b> , 2022, 1-11	1.9	
225	A high-voltage anode-free rechargeable sodium battery.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	6
224	A stable quasi-solid electrolyte improves the safe operation of highly efficient lithium-metal pouch cells in harsh environments.. <i>Nature Communications</i> , <b>2022</b> , 13, 1510	17.4	7
223	Tailoring the solvation sheath of cations by constructing electrode front-faces for rechargeable batteries.. <i>Advanced Materials</i> , <b>2022</b> , e2201339	24	9
222	Carbon-free and binder-free Li-Al alloy anode enabling an all-solid-state Li-S battery with high energy and stability.. <i>Science Advances</i> , <b>2022</b> , 8, eabn4372	14.3	10
221	Path following of underactuated vehicles via integral line of sight guidance and fixed-time heading control. <i>IET Cyber-Systems and Robotics</i> , <b>2022</b> , 4, 51-60	1.6	1
220	Occurrence, Diversity, and Character of in the Solid Fermentation Process of Strong Aromatic Liquors.. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 811788	5.7	0
219	Progress and Prospects in Redox Mediators for Highly Reversible Lithium-Oxygen Batteries: A Minireview. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 19302-19319	4.1	1
218	Recent Advances in Rechargeable Li-O <sub>2</sub> Batteries. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 9165-9186	4.1	10
217	Improving Convolutional Neural Networks with Competitive Activation Function. <i>Security and Communication Networks</i> , <b>2021</b> , 2021, 1-9	1.9	
216	A Safe and Sustainable Lithium-Ion-Oxygen Battery based on a Low-Cost Dual-Carbon Electrodes Architecture. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100827	24	9
215	Sustainable Lithium-Metal Battery Achieved by a Safe Electrolyte Based on Recyclable and Low-Cost Molecular Sieve. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15572-15581	16.4	11
214	Static Characteristics of a Linear Bipotentiometer Sensor. <i>Security and Communication Networks</i> , <b>2021</b> , 2021, 1-9	1.9	0

213	Sustainable Lithium-Metal Battery Achieved by a Safe Electrolyte Based on Recyclable and Low-Cost Molecular Sieve. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 15700-15709	3.6	1
212	An image matching optimization algorithm based on pixel shift clustering RANSAC. <i>Information Sciences</i> , <b>2021</b> , 562, 452-474	7.7	4
211	Designing Cation-Solvent Fully Coordinated Electrolyte for High-Energy-Density Lithium-Sulfur Full Cell Based On Solid-Solid Conversion. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17867-17875	3.6	3
210	Cell proliferation detected using [F]FLT PET/CT as an early marker of abdominal aortic aneurysm. <i>Journal of Nuclear Cardiology</i> , <b>2021</b> , 28, 1961-1971	2.1	10
209	Finite-time bounded control design for one-sided Lipschitz differential inclusions. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , <b>2021</b> , 235, 943-951	4.5	1
208	Random Space Division Sampling for Label-Noisy Classification or Imbalanced Classification. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
207	A low-charge-overpotential lithium-CO <sub>2</sub> cell based on a binary molten salt electrolyte. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 4107-4114	35.4	4
206	Extended State Observer Based Nonsingular Terminal Sliding Mode Control for Voltage Source Converter Station With Uncertain Disturbances. <i>IEEE Access</i> , <b>2021</b> , 9, 122228-122235	3.5	0
205	Applications of Metal-organic Frameworks (MOFs) Materials in Lithium-ion Battery/Lithium-metal Battery Electrolytes. <i>Acta Chimica Sinica</i> , <b>2021</b> , 79, 139	3.3	3
204	Dynamic Consensus of Second-Order Networked Multiagent Systems With Switching Topology and Time-Varying Delays. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	3
203	Superefficient and robust polymer coating for bionic manufacturing of superwetting surfaces with Rose petal effect and Lotus leaf effect. <i>Progress in Organic Coatings</i> , <b>2021</b> , 151, 106090	4.8	5
202	Oxygen vacancy promising highly reversible phase transition in layered cathodes for sodium-ion batteries. <i>Nano Research</i> , <b>2021</b> , 14, 4100	10	6
201	Designing Cation-Solvent Fully Coordinated Electrolyte for High-Energy-Density Lithium-Sulfur Full Cell Based On Solid-Solid Conversion. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17726-17734	16.4	16
200	Reducing Water Activity by Zeolite Molecular Sieve Membrane for Long-Life Rechargeable Zinc Battery. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102415	24	37
199	Distributed Consensus Algorithm for Nonholonomic Wheeled Mobile Robot. <i>Security and Communication Networks</i> , <b>2021</b> , 2021, 1-9	1.9	0
198	A rechargeable all-solid-state Li-CO <sub>2</sub> battery using a Li <sub>1.5</sub> Al <sub>0.5</sub> Ge <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> ceramic electrolyte and nanoscale RuO <sub>2</sub> catalyst. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 9581-9585	13	6
197	Extended JSSL for Multi-Feature Face Recognition via Intra-Class Variant Dictionary. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	
196	Oxygen-Deficient Ferric Oxide as an Electrochemical Cathode Catalyst for High-Energy Lithium-Sulfur Batteries. <i>Small</i> , <b>2020</b> , 16, e2000870	11	26

195	A low-cost anodic catalyst of transition metal oxides for lithium extraction from seawater. <i>Chemical Communications</i> , <b>2020</b> , 56, 6396-6399	5.8	6
194	A Liquid Anode of Lithium Biphenyl for Highly Safe Lithium-Air Battery with Hybrid Electrolyte. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 708-712	5.6	2
193	Control of Networked Control System With Data Packet Dropout via Observer-Based Controller. <i>IEEE Access</i> , <b>2020</b> , 8, 58300-58309	3.5	4
192	Constructing a Super-Saturated Electrolyte Front Surface for Stable Rechargeable Aqueous Zinc Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9377-9381	16.4	234
191	Constructing a Super-Saturated Electrolyte Front Surface for Stable Rechargeable Aqueous Zinc Batteries. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9463-9467	3.6	31
190	Noise-tolerance consensus formation control for multi-robotic networks. <i>Transactions of the Institute of Measurement and Control</i> , <b>2020</b> , 42, 1569-1581	1.8	7
189	A Safe Organic Oxygen Battery Built with Li-Based Liquid Anode and MOFs Separator. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903953	21.8	18
188	Solar-driven all-solid-state lithium-air batteries operating at extreme low temperatures. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 1205-1211	35.4	19
187	Robust superhydrophobic fluorinated fibrous silica sponge with fire retardancy for selective oil absorption in harsh environment. <i>Separation and Purification Technology</i> , <b>2020</b> , 241, 116700	8.3	10
186	A stable high-voltage lithium-ion battery realized by an in-built water scavenger. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 1197-1204	35.4	31
185	Dilution of the Electron Density in the Conjugated Skeleton of Organic Cathode Materials Improves the Discharge Voltage. <i>ChemSusChem</i> , <b>2020</b> , 13, 2264-2270	8.3	15
184	Using a Heme-Based Nanozyme as Bifunctional Redox Mediator for LiO <sub>2</sub> Batteries. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 336-340	5.6	7
183	Stabilization for Networked Control System With Time-Delay and Packet Loss in Both S-C Side and C-A Side. <i>IEEE Access</i> , <b>2020</b> , 8, 2513-2523	3.5	7
182	. <i>IEEE Access</i> , <b>2020</b> , 8, 20108-20117	3.5	5
181	Improving the structural and cyclic stabilities of P2-type NaMnO cathode material via Cu and Ti co-substitution for sodium ion batteries. <i>Chemical Communications</i> , <b>2020</b> , 56, 6293-6296	5.8	8
180	Two-Mode-Dependent Controller Design for Networked Markov System With Time-Delay in Both S/C Link and C/A Link. <i>IEEE Access</i> , <b>2020</b> , 8, 56181-56190	3.5	2
179	Exponential synchronisation of linearly coupled reaction-diffusion neural networks with discrete and infinite distributed delays. <i>International Journal of Systems Science</i> , <b>2020</b> , 51, 1174-1187	2.3	3
178	Li-CO and Na-CO Batteries: Toward Greener and Sustainable Electrical Energy Storage. <i>Advanced Materials</i> , <b>2020</b> , 32, e1903790	24	82

177	. <i>IEEE Access</i> , <b>2020</b> , 8, 20725-20734	3.5	2
176	Identifying Anionic Redox Activity within the Related O3- and P2-Type Cathodes for Sodium-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 851-857	9.5	13
175	Renewable Polysulfide Regulation by Versatile Films toward High-Loading Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 47590-47598	9.5	5
174	Tracking Control of PZT-Driven Compliant Precision Positioning Micromanipulator. <i>IEEE Access</i> , <b>2020</b> , 8, 126477-126487	3.5	5
173	An in situ solidifying strategy enabling high-voltage all-solid-state Li-metal batteries operating at room temperature. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 25217-25225	13	7
172	A Liquid Electrolyte with De-Solvated Lithium Ions for Lithium-Metal Battery. <i>Joule</i> , <b>2020</b> , 4, 1776-1789	27.8	62
171	Manifesting construction activity scenes via image captioning. <i>Automation in Construction</i> , <b>2020</b> , 119, 103334	9.6	13
170	A Metal-Organic Framework as a Multifunctional Ionic Sieve Membrane for Long-Life Aqueous Zinc-Iodide Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004240	24	82
169	Real-time online detection of trucks loading via genetic neural network. <i>Automation in Construction</i> , <b>2020</b> , 120, 103354	9.6	3
168	A Review of Solid-State Lithium Sulfur Battery: Ion Transport and Polysulfide Chemistry. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 11942-11961	4.1	26
167	Notice of Retraction: Perspective and Prediction of the Rule of High Temperature Melting of SiO <sub>2</sub> via Visual Analysis. <i>IEEE Access</i> , <b>2020</b> , 8, 171334-171349	3.5	
166	Beyond the concentrated electrolyte: further depleting solvent molecules within a Li <sup>+</sup> solvation sheath to stabilize high-energy-density lithium metal batteries. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 4122-4131	35.4	48
165	Superhydrophobic cellulose nanofibril/silica fiber/Fe <sub>3</sub> O <sub>4</sub> nanocomposite aerogel for magnetically driven selective oil absorption. <i>Cellulose</i> , <b>2020</b> , 27, 8909-8922	5.5	13
164	Shish-Kebab-Structured UHMWPE Coating for Efficient and Cost-Effective Oil-Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 58252-58262	9.5	9
163	A point cloud registration algorithm based on normal vector and particle swarm optimization. <i>Measurement and Control</i> , <b>2020</b> , 53, 265-275	1.5	5
162	. <i>IEEE Access</i> , <b>2020</b> , 8, 71083-71092	3.5	8
161	. <i>IEEE Access</i> , <b>2019</b> , 7, 114414-114425	3.5	6
160	Restraining Oxygen Loss and Suppressing Structural Distortion in a Newly Ti-Substituted Layered Oxide P2-Na <sub>0.66</sub> Li <sub>0.22</sub> Ti <sub>0.15</sub> Mn <sub>0.63</sub> O <sub>2</sub> . <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2409-2417	20.1	58

159	Rational Design of a Gel-Polymer-Inorganic Separator with Uniform Lithium-Ion Deposition for Highly Stable Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35788-35795	9.5	17
158	Advances and Challenges for Aprotic Lithium-Oxygen Batteries using Redox Mediators. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 803-819	5.6	26
157	Developing A Polysulfide-Phobic Strategy to Restrain Shuttle Effect in Lithium Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11900-11904	3.6	18
156	Developing A "Polysulfide-Phobic" Strategy to Restrain Shuttle Effect in Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11774-11778	16.4	58
155	Killing two birds with one stone: a Cu ion redox mediator for a non-aqueous Li-O <sub>2</sub> battery. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17261-17265	13	18
154	Improving the simulation of East Asian summer monsoon with mesoscale enhancement in an AGCM. <i>Climate Dynamics</i> , <b>2019</b> , 53, 225-236	4.2	5
153	Manganese-Based Na-Rich Materials Boost Anionic Redox in High-Performance Layered Cathodes for Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807770	24	72
152	Chaos control and circuit implementation of a class of double-wing chaotic system. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2019</b> , 32, e2611	1	4
151	Integrated solid electrolyte with porous cathode by facilely one-step sintering for an all-solid-state Li-O battery. <i>Nanotechnology</i> , <b>2019</b> , 30, 364003	3.4	9
150	Materials for advanced Li-O <sub>2</sub> batteries: Explorations, challenges and prospects. <i>Materials Today</i> , <b>2019</b> , 26, 87-99	21.8	70
149	Suppressed the High-Voltage Phase Transition of P2-Type Oxide Cathode for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14848-14853	9.5	40
148	Capturing Reversible Cation Migration in Layered Structure Materials for Na-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900189	21.8	29
147	A Dual-Ion Organic Symmetric Battery Constructed from Phenazine-Based Artificial Bipolar Molecules. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 10007-10011	3.6	19
146	A Dual-Ion Organic Symmetric Battery Constructed from Phenazine-Based Artificial Bipolar Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9902-9906	16.4	76
145	Solid-State Electrolytes for Lithium-Ion Batteries: Fundamentals, Challenges and Perspectives. <i>Electrochemical Energy Reviews</i> , <b>2019</b> , 2, 574-605	29.3	113
144	Advances and Challenges for Aprotic Lithium-Oxygen Batteries using Redox Mediators. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 802-802	5.6	3
143	Transient, in situ synthesis of ultrafine ruthenium nanoparticles for a high-rate Li-O <sub>2</sub> battery. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 1100-1107	35.4	77
142	Observer-based control for active suspension system with time-varying delay and uncertainty. <i>Advances in Mechanical Engineering</i> , <b>2019</b> , 11, 168781401988950	1.2	4

141	Hybrid polymer electrolyte for LiD2 batteries. <i>Green Energy and Environment</i> , <b>2019</b> , 4, 3-19	5.7	16
140	Revealing the Critical Role of Titanium in Layered Manganese-Based Oxides toward Advanced Sodium-Ion Batteries via a Combined Experimental and Theoretical Study. <i>Small Methods</i> , <b>2019</b> , 3, 1800183	12.8	20
139	A Versatile Halide Ester Enabling Li-Anode Stability and a High Rate Capability in Lithium-Oxygen Batteries. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2377-2381	3.6	7
138	A Versatile Halide Ester Enabling Li-Anode Stability and a High Rate Capability in Lithium-Oxygen Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2355-2359	16.4	40
137	An Appraisal of Lung Nodules Automatic Classification Algorithms for CT Images. <i>Sensors</i> , <b>2019</b> , 19,	3.8	17
136	NonAqueous, Metal-Free, and Hybrid Electrolyte Li-Ion O Battery with a Single-Ion-Conducting Separator. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4908-4914	9.5	11
135	A Concentrated Ternary-Salts Electrolyte for High Reversible Li Metal Battery with Slight Excess Li. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803372	21.8	108
134	Direct Visualization of the Reversible O /O Redox Process in Li-Rich Cathode Materials. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705197	24	190
133	Germanium Thin Film Protected Lithium Aluminum Germanium Phosphate for Solid-State Li Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702374	21.8	146
132	Study on structure, mechanical property and cell cytocompatibility of electrospun collagen nanofibers crosslinked by common agents. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 113, 476-486	7.9	44
131	Cation-mixing stabilized layered oxide cathodes for sodium-ion batteries. <i>Science Bulletin</i> , <b>2018</b> , 63, 376-384	38.4	50
130	MOF-Based Separator in an LiD2 Battery: An Effective Strategy to Restrain the Shuttling of Dual Redox Mediators. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 463-468	20.1	116
129	Research progresses on materials and electrode design towards key challenges of Li-air batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 29-48	19.4	63
128	Clean Electrocatalysis in a Li2O2 Redox-Based LiD2 Battery Built with a Hydrate-Melt Electrolyte. <i>ACS Catalysis</i> , <b>2018</b> , 8, 1082-1089	13.1	21
127	A lithium-ion oxygen battery with a Si anode lithiated in situ by a LiN-containing cathode. <i>Chemical Communications</i> , <b>2018</b> , 54, 1069-1072	5.8	18
126	A comprehensive survey on the reliability of mobile wireless sensor networks: Taxonomy, challenges, and future directions. <i>Information Fusion</i> , <b>2018</b> , 44, 188-204	16.7	77
125	A bottom-up synthetic hierarchical buffer structure of copper silicon nanowire hybrids as ultra-stable and high-rate lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7877-7886	13	27
124	Li2CO3-free LiD2/CO2 battery with peroxide discharge product. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 1211-1217	35.4	84



- 123 Three-Dimensional Honeycomb-Structural LiAlO-Modified LiMnPO Composite with Superior High Rate Capability as Li-Ion Battery Cathodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 10786-10793, 8.5 44
- 122 Solar-driven efficient Li<sub>2</sub>O<sub>2</sub> oxidation in solid-state Li-ion O<sub>2</sub> batteries. *Energy Storage Materials*, **2018**, 11, 170-175 19.4 35
- 121 Rechargeable Solid-State Li-Air and Li-S Batteries: Materials, Construction, and Challenges. *Advanced Energy Materials*, **2018**, 8, 1701602 21.8 165
- 120 A current collector covering nanostructured villous oxygen-deficient NiO fabricated by rapid laser-scan for Li-O<sub>2</sub> batteries. *Nano Energy*, **2018**, 51, 83-90 17.1 41
- 119 Research Progress for the Development of Li-Air Batteries: Addressing Parasitic Reactions Arising from Air Composition. *Energy and Environmental Materials*, **2018**, 1, 61-74 13 32
- 118 A phase-transition-free cathode for sodium-ion batteries with ultralong cycle life. *Nano Energy*, **2018**, 52, 88-94 17.1 36
- 117 Developing a "Water-Defendable" and "Dendrite-Free" Lithium-Metal Anode Using a Simple and Promising GeCl Pretreatment Method. *Advanced Materials*, **2018**, 30, e1705711 24 142
- 116 Static output feedback H<sub>∞</sub> control for active suspension system with input delay and parameter uncertainty. *Advances in Mechanical Engineering*, **2018**, 10, 168781401878658 1.2 4
- 115 A High-Crystalline NaV<sub>1.25</sub>Ti<sub>0.75</sub>O<sub>4</sub> Anode for Wide-Temperature Sodium-Ion Battery. *Advanced Energy Materials*, **2018**, 8, 1801162 21.8 23
- 114 Consensus of uncertain parabolic PDE agents via adaptive unit-vector control scheme. *IET Control Theory and Applications*, **2018**, 12, 2488-2494 2.5 12
- 113 An ultra-stable and enhanced reversibility lithium metal anode with a sufficient O<sub>2</sub> design for Li-O<sub>2</sub> battery. *Energy Storage Materials*, **2018**, 12, 176-182 19.4 29
- 112 Ultra-fine surface solid-state electrolytes for long cycle life all-solid-state lithium-air batteries. *Journal of Materials Chemistry A*, **2018**, 6, 21248-21254 13 43
- 111 NaCl-Template Assisted Synthesis of 3D Honeycomb-Like LiMnPO<sub>4</sub>/C with High Rate and Stable Performance as Lithium-Ion Battery Cathodes. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 16683-16691, 8.3 23
- 110 A three-dimensional point cloud registration based on entropy and particle swarm optimization. *Advances in Mechanical Engineering*, **2018**, 10, 168781401881433 1.2 13
- 109 Lithium Metal Extraction from Seawater. *Joule*, **2018**, 2, 1648-1651 27.8 121
- 108 Simultaneously Inhibiting Lithium Dendrites Growth and Polysulfides Shuttle by a Flexible MOF-Based Membrane in Li-S Batteries. *Advanced Energy Materials*, **2018**, 8, 1802130 21.8 158
- 107 Stable Voltage Cutoff Cycle Cathode with Tunable and Ordered Porous Structure for Li-O Batteries. *Small*, **2018**, 14, e1803607 11 14
- 106 Facile synthesis of carbon-LiMnPO<sub>4</sub> nanorods with hierarchical architecture as a cathode for high-performance Li-ion batteries. *Electrochimica Acta*, **2018**, 289, 415-421 6.7 28



105	Exploring a high capacity O3-type cathode for sodium-ion batteries and its structural evolution during an electrochemical process. <i>Chemical Communications</i> , <b>2018</b> , 54, 12167-12170	5.8	20
104	Pinning control and adaptive control for synchronization of linearly coupled reaction-diffusion neural networks with mixed delays. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2018</b> , 32, 1103-1123	2.8	13
103	Intensive investigation on all-solid-state Li-air batteries with cathode catalysts of single-walled carbon nanotube/RuO <sub>2</sub> . <i>Journal of Power Sources</i> , <b>2018</b> , 395, 439-443	8.9	26
102	In situ X-ray diffraction and thermal analysis of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> synthesized via co-precipitation method. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 1655-1660	12	19
101	Intensive Study on the Catalytical Behavior of N-Methylphenothiazine as a Soluble Mediator to Oxidize the LiO Cathode of the Li-O Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3733-3739	9.5	51
100	Status and prospects of polymer electrolytes for solid-state LiO <sub>2</sub> (air) batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 860-884	35.4	153
99	Carbon-Free O Cathode with Three-Dimensional Ultralight Nickel Foam-Supported Ruthenium Electrocatalysts for Li-O Batteries. <i>ChemSusChem</i> , <b>2017</b> , 10, 2714-2719	8.3	31
98	Boosting the Cycle Life of LiO <sub>2</sub> Batteries at Elevated Temperature by Employing a Hybrid Polymer/Ceramic Solid Electrolyte. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1378-1384	20.1	49
97	Analytical solution of a hyperbolic partial differential equation and its application. <i>International Journal of Intelligent Computing and Cybernetics</i> , <b>2017</b> , 10, 183-199	2.2	3
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