Ping He

List of Publications by Citations

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	Raising the cycling stability of aqueous lithium-ion batteries by eliminating oxygen in the electrolyte. *Nature Chemistry*, **2010**, 2, 760-5	17.6	679
229	Core-shell-structured CNT@RuO(2) composite as a high-performance cathode catalyst for rechargeable Li-O(2) batteries. *Angewandte Chemie - International Edition*, **2014**, 53, 442-6	16.4	453
228	Nano active materials for lithium-ion batteries. *Nanoscale*, **2010**, 2, 1294-305	7.7	443
227	Layered lithium transition metal oxide cathodes towards high energy lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 3680		361
226	Critical Challenges in Rechargeable Aprotic Li–O2 Batteries. *Advanced Energy Materials*, **2016**, 6, 1502303	21.8	305
225	Preparation of mesocellular carbon foam and its application for lithium/oxygen battery. *Electrochemistry Communications*, **2009**, 11, 1127-1130	5.1	296
224	Olivine LiFePO4: development and future. *Energy and Environmental Science*, **2011**, 4, 805-817	35.4	273
223	Constructing a Super-Saturated Electrolyte Front Surface for Stable Rechargeable Aqueous Zinc Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 9377-9381	16.4	234
222	High-energy 'composite' layered manganese-rich cathode materials via controlling Li2MnO3 phase activation for lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2012**, 14, 6584-95	3.6	232
221	Li-CO2 Electrochemistry: A New Strategy for CO2 Fixation and Energy Storage. *Joule*, **2017**, 1, 359-370	27.8	207
220	A reversible lithium–CO2 battery with Ru nanoparticles as a cathode catalyst. *Energy and Environmental Science*, **2017**, 10, 972-978	35.4	201
219	Direct Visualization of the Reversible O /O Redox Process in Li-Rich Cathode Materials. *Advanced Materials*, **2018**, 30, e1705197	24	190
218	A self-defense redox mediator for efficient lithium–O2 batteries. *Energy and Environmental Science*, **2016**, 9, 1024-1030	35.4	185
217	The water catalysis at oxygen cathodes of lithium-oxygen cells. *Nature Communications*, **2015**, 6, 7843	17.4	178
216	Rechargeable Solid-State Li–Air and Li–S Batteries: Materials, Construction, and Challenges. *Advanced Energy Materials*, **2018**, 8, 1701602	21.8	165
215	Activated carbon with ultrahigh specific surface area synthesized from natural plant material for lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2014**, 2, 15889-15896	13	161
214	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

213	Status and prospects of polymer electrolytes for solid-state Li–O2 (air) batteries. *Energy and Environmental Science*, **2017**, 10, 860-884	35.4	153
212	Germanium Thin Film Protected Lithium Aluminum Germanium Phosphate for Solid-State Li Batteries. *Advanced Energy Materials*, **2018**, 8, 1702374	21.8	146
211	High-surface vanadium oxides with large capacities for lithium-ion batteries: from hydrated aerogel to nanocrystalline VO2(B), V6O13 and V2O5. *Journal of Materials Chemistry*, **2011**, 21, 10999		143
210	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
209	Exploring the electrochemical reaction mechanism of carbonate oxidation in Li–air/CO2 battery through tracing missing oxygen. *Energy and Environmental Science*, **2016**, 9, 1650-1654	35.4	140
208	Superior Performance of a Li–O2 Battery with Metallic RuO2 Hollow Spheres as the Carbon-Free Cathode. *Advanced Energy Materials*, **2015**, 5, 1500294	21.8	122
207	Lithium Metal Extraction from Seawater. *Joule*, **2018**, 2, 1648-1651	27.8	121
206	Li-Redox Flow Batteries Based on Hybrid Electrolytes: At the Cross Road between Li-ion and Redox Flow Batteries. *Advanced Energy Materials*, **2012**, 2, 770-779	21.8	119
205	Mesoporous NiO with a single-crystalline structure utilized as a noble metal-free catalyst for non-aqueous Li–O2 batteries. *Journal of Materials Chemistry A*, **2015**, 3, 16177-16182	13	116
204	MOF-Based Separator in an Li–O2 Battery: An Effective Strategy to Restrain the Shuttling of Dual Redox Mediators. *ACS Energy Letters*, **2018**, 3, 463-468	20.1	116
203	Solid-State Electrolytes for Lithium-Ion Batteries: Fundamentals, Challenges and Perspectives. *Electrochemical Energy Reviews*, **2019**, 2, 574-605	29.3	113
202	Enabling catalytic oxidation of Li2O2 at the liquid-solid interface: the evolution of an aprotic Li-O2 battery. *ChemSusChem*, **2015**, 8, 600-2	8.3	111
201	A Concentrated Ternary-Salts Electrolyte for High Reversible Li Metal Battery with Slight Excess Li. *Advanced Energy Materials*, **2019**, 9, 1803372	21.8	108
200	From O to HO : Reducing By-Products and Overpotential in Li-O Batteries by Water Addition. *Angewandte Chemie - International Edition*, **2017**, 56, 4960-4964	16.4	107
199	A Polyaniline-Intercalated Layered Manganese Oxide Nanocomposite Prepared by an Inorganic/Organic Interface Reaction and Its High Electrochemical Performance for Li Storage. *Advanced Materials*, **2008**, 20, 2166-2170	24	106
198	An oxygen cathode with stable full discharge–charge capability based on 2D conducting oxide. *Energy and Environmental Science*, **2015**, 8, 1992-1997	35.4	103
197	A Li-air fuel cell with recycle aqueous electrolyte for improved stability. *Electrochemistry Communications*, **2010**, 12, 1686-1689	5.1	100
196	Investigation on capacity fading of LiFePO4 in aqueous electrolyte. *Electrochimica Acta*, **2011**, 56, 2351-2357	6.7	98

195	High-Loading Nano-SnO2 Encapsulated in situ in Three-Dimensional Rigid Porous Carbon for Superior Lithium-Ion Batteries. *Chemistry - A European Journal*, **2016**, 22, 4915-23	4.8	98
194	The effect of oxygen vacancies on the structure and electrochemistry of LiTi2(PO4)3 for lithium-ion batteries: A combined experimental and theoretical study. *Journal of Power Sources*, **2009**, 194, 1075-1080	8.9	93
193	Highly Connected Silicon□Copper Alloy Mixture Nanotubes as High-Rate and Durable Anode Materials for Lithium-Ion Batteries. *Advanced Functional Materials*, **2016**, 26, 524-531	15.6	92
192	Single-crystal H2V3O8 nanowires: a competitive anode with large capacity for aqueous lithium-ion batteries. *Journal of Materials Chemistry*, **2011**, 21, 1780-1787		90
191	Stabilization of polysulfides via lithium bonds for Li□S batteries. *Journal of Materials Chemistry A*, **2016**, 4, 5406-5409	13	87
190	Li2CO3-free Li□O2/CO2 battery with peroxide discharge product. *Energy and Environmental Science*, **2018**, 11, 1211-1217	35.4	84
189	Li-CO and Na-CO Batteries: Toward Greener and Sustainable Electrical Energy Storage. *Advanced Materials*, **2020**, 32, e1903790	24	82
188	A lithium□air capacitor□battery based on a hybrid electrolyte. *Energy and Environmental Science*, **2011**, 4, 4994	35.4	82
187	A Metal-Organic Framework as a Multifunctional Ionic Sieve Membrane for Long-Life Aqueous Zinc-Iodide Batteries. *Advanced Materials*, **2020**, 32, e2004240	24	82
186	Lithium-Air Batteries with Hybrid Electrolytes. *Journal of Physical Chemistry Letters*, **2016**, 7, 1267-80	6.4	78
185	The development of a new type of rechargeable batteries based on hybrid electrolytes. *ChemSusChem*, **2010**, 3, 1009-19	8.3	78
184	A comprehensive survey on the reliability of mobile wireless sensor networks: Taxonomy, challenges, and future directions. *Information Fusion*, **2018**, 44, 188-204	16.7	77
183	Progress in research on Li□CO2 batteries: Mechanism, catalyst and performance. *Chinese Journal of Catalysis*, **2016**, 37, 1016-1024	11.3	77
182	Transient, in situ synthesis of ultrafine ruthenium nanoparticles for a high-rate Li□CO2 battery. *Energy and Environmental Science*, **2019**, 12, 1100-1107	35.4	77
181	A Dual-Ion Organic Symmetric Battery Constructed from Phenazine-Based Artificial Bipolar Molecules. *Angewandte Chemie - International Edition*, **2019**, 58, 9902-9906	16.4	76
180	Fabrication and Performance of All-Solid-State Li-Air Battery with SWCNTs/LAGP Cathode. *ACS Applied Materials & Interfaces*, **2015**, 7, 17307-10	9.5	76
179	Lithium-Ion Intercalation Behavior of LiFePO[sub 4] in Aqueous and Nonaqueous Electrolyte Solutions. *Journal of the Electrochemical Society*, **2008**, 155, A144	3.9	76
178	Robust adaptive synchronization of uncertain complex networks with multiple time-varying coupled delays. *Complexity*, **2015**, 20, 62-73	1.6	75

177	Robust decentralized adaptive synchronization of general complex networks with coupling delayed and uncertainties. *Complexity*, **2014**, 19, 10-26	1.6	74
176	Ruthenium functionalized graphene aerogels with hierarchical and three-dimensional porosity as a free-standing cathode for rechargeable lithium-oxygen batteries. *NPG Asia Materials*, **2016**, 8, e239-e239	10.3	73
175	Manganese-Based Na-Rich Materials Boost Anionic Redox in High-Performance Layered Cathodes for Sodium-Ion Batteries. *Advanced Materials*, **2019**, 31, e1807770	24	72
174	Unraveling the Complex Role of Iodide Additives in Li□O2 Batteries. *ACS Energy Letters*, **2017**, 2, 1869-1878	20.1	72
173	Materials for advanced Li-O2 batteries: Explorations, challenges and prospects. *Materials Today*, **2019**, 26, 87-99	21.8	70
172	Hierarchical Porous Nickel Cobaltate Nanoneedle Arrays as Flexible Carbon-Protected Cathodes for High-Performance Lithium-Oxygen Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 8427-35	9.5	69
171	Binder-free carbonized bacterial cellulose-supported ruthenium nanoparticles for Li-O2 batteries. *Chemical Communications*, **2015**, 51, 7302-4	5.8	67
170	Titanium nitride catalyst cathode in a Li-air fuel cell with an acidic aqueous solution. *Chemical Communications*, **2011**, 47, 10701-3	5.8	66
169	Research progresses on materials and electrode design towards key challenges of Li-air batteries. *Energy Storage Materials*, **2018**, 13, 29-48	19.4	63
168	Improvement of electrochemical properties of LiNi1/3Co1/3Mn1/3O2 by coating with V2O5 layer. *Journal of Alloys and Compounds*, **2013**, 552, 76-82	5.7	62
167	A Liquid Electrolyte with De-Solvated Lithium Ions for Lithium-Metal Battery. *Joule*, **2020**, 4, 1776-1789	27.8	62
166	Advances in Lithium-Containing Anodes of Aprotic Li□O2 Batteries: Challenges and Strategies for Improvements. *Small Methods*, **2017**, 1, 1700135	12.8	61
165	The effect of alkalinity and temperature on the performance of lithium-air fuel cell with hybrid electrolytes. *Journal of Power Sources*, **2011**, 196, 5611-5616	8.9	59
164	Restraining Oxygen Loss and Suppressing Structural Distortion in a Newly Ti-Substituted Layered Oxide P2-Na0.66Li0.22Ti0.15Mn0.63O2. *ACS Energy Letters*, **2019**, 4, 2409-2417	20.1	58
163	Developing A "Polysulfide-Phobic" Strategy to Restrain Shuttle Effect in Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 11774-11778	16.4	58
162	Ruthenium oxide coated ordered mesoporous carbon nanofiber arrays: a highly bifunctional oxygen electrocatalyst for rechargeable Zn□air batteries. *Journal of Materials Chemistry A*, **2016**, 4, 6282-6289	13	52
161	Intensive Study on the Catalytical Behavior of N-Methylphenothiazine as a Soluble Mediator to Oxidize the LiO Cathode of the Li-O Battery. *ACS Applied Materials & Interfaces*, **2017**, 9, 3733-3739	9.5	51
160	Cation-mixing stabilized layered oxide cathodes for sodium-ion batteries. *Science Bulletin*, **2018**, 63, 376-384	18.8	50

159	Nano- and micro-sized TiN as the electrocatalysts for ORR in Li–air fuel cell with alkaline aqueous electrolyte. *Journal of Materials Chemistry*, **2012**, 22, 15549		50
158	Boosting the Cycle Life of Li–O2 Batteries at Elevated Temperature by Employing a Hybrid Polymer–Ceramic Solid Electrolyte. *ACS Energy Letters*, **2017**, 2, 1378-1384	20.1	49
157	Core–Shell-Structured CNT@RuO2 Composite as a High-Performance Cathode Catalyst for Rechargeable Li–O2 Batteries. *Angewandte Chemie*, **2014**, 126, 452-456	3.6	49
156	Organic hydrogen peroxide-driven low charge potentials for high-performance lithium-oxygen batteries with carbon cathodes. *Nature Communications*, **2017**, 8, 15607	17.4	49
155	Beyond the concentrated electrolyte: further depleting solvent molecules within a Li+ solvation sheath to stabilize high-energy-density lithium metal batteries. *Energy and Environmental Science*, **2020**, 13, 4122-4131	35.4	48
154	Ordered mesoporous TiC-C composites as cathode materials for Li-O2 batteries. *Chemical Communications*, **2016**, 52, 2713-6	5.8	46
153	Study on structure, mechanical property and cell cytocompatibility of electrospun collagen nanofibers crosslinked by common agents. *International Journal of Biological Macromolecules*, **2018**, 113, 476-486	7.9	44
152	Three-Dimensional Honeycomb-Structural LiAlO-Modified LiMnPO Composite with Superior High Rate Capability as Li-Ion Battery Cathodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 10786-10795	8.5	44
151	Finite-time mixed outer synchronization of complex networks with coupling time-varying delay. *Chaos*, **2012**, 22, 043151	3.3	44
150	A novel LiTi2(PO4)3/MnO2 hybrid supercapacitor in lithium sulfate aqueous electrolyte. *Electrochimica Acta*, **2008**, 53, 8128-8133	6.7	44
149	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
148	A current collector covering nanostructured villous oxygen-deficient NiO fabricated by rapid laser-scan for Li-O2 batteries. *Nano Energy*, **2018**, 51, 83-90	17.1	41
147	Suppressed the High-Voltage Phase Transition of P2-Type Oxide Cathode for High-Performance Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 14848-14853	9.5	40
146	A Versatile Halide Ester Enabling Li-Anode Stability and a High Rate Capability in Lithium-Oxygen Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 2355-2359	16.4	40
145	Direct synthesis of mesoporous carbon nanowires in nanotubes using MnO(2) nanotubes as a template and their application in supercapacitors. *Chemical Communications*, **2009**, 6813-5	5.8	37
144	Reducing Water Activity by Zeolite Molecular Sieve Membrane for Long-Life Rechargeable Zinc Battery. *Advanced Materials*, **2021**, 33, e2102415	24	37
143	A phase-transition-free cathode for sodium-ion batteries with ultralong cycle life. *Nano Energy*, **2018**, 52, 88-94	17.1	36
142	Solar-driven efficient Li2O2 oxidation in solid-state Li-ion O2 batteries. *Energy Storage Materials*, **2018**, 11, 170-175	19.4	35

141	Noise tolerance leader-following of high-order nonlinear dynamical multi-agent systems with switching topology and communication delay. *Journal of the Franklin Institute*, **2016**, 353, 108-143	4	33
140	A Design of Solid-State Li-S Cell with Evaporated Lithium Anode To Eliminate Shuttle Effects. *ACS Applied Materials & Interfaces*, **2017**, 9, 33735-33739	9.5	32
139	Reversible Lithium-Ion Uptake in Poly(methylmethacrylate) Thin-Film via Lithiation/Delithiation at In Situ Formed Intramolecular Cyclopentanedione. *Advanced Energy Materials*, **2016**, 6, 1601375	21.8	32
138	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
137	Carbon-Free O Cathode with Three-Dimensional Ultralight Nickel Foam-Supported Ruthenium Electrocatalysts for Li-O Batteries. *ChemSusChem*, **2017**, 10, 2714-2719	8.3	31
136	Constructing a Super-Saturated Electrolyte Front Surface for Stable Rechargeable Aqueous Zinc Batteries. *Angewandte Chemie*, **2020**, 132, 9463-9467	3.6	31
135	A stable high-voltage lithium-ion battery realized by an in-built water scavenger. *Energy and Environmental Science*, **2020**, 13, 1197-1204	35.4	31
134	Electrochemical kinetics study of Li-ion in Cu6Sn5 electrode of lithium batteries by PITT and EIS. *Journal of Electroanalytical Chemistry*, **2008**, 624, 161-166	4.1	30
133	Capturing Reversible Cation Migration in Layered Structure Materials for Na-Ion Batteries. *Advanced Energy Materials*, **2019**, 9, 1900189	21.8	29
132	An ultra-stable and enhanced reversibility lithium metal anode with a sufficient O2 design for Li-O2 battery. *Energy Storage Materials*, **2018**, 12, 176-182	19.4	29
131	Facile synthesis of carbon-LiMnPO4 nanorods with hierarchical architecture as a cathode for high-performance Li-ion batteries. *Electrochimica Acta*, **2018**, 289, 415-421	6.7	28
130	A bottom-up synthetic hierarchical buffer structure of copper silicon nanowire hybrids as ultra-stable and high-rate lithium-ion battery anodes. *Journal of Materials Chemistry A*, **2018**, 6, 7877-7886	12	27
129	Advances and Challenges for Aprotic Lithium-Oxygen Batteries using Redox Mediators. *Batteries and Supercaps*, **2019**, 2, 803-819	5.6	26
128	Oxygen-Deficient Ferric Oxide as an Electrochemical Cathode Catalyst for High-Energy Lithium-Sulfur Batteries. *Small*, **2020**, 16, e2000870	11	26
127	A Review of Solid-State Lithium–Sulfur Battery: Ion Transport and Polysulfide Chemistry. *Energy & Fuels*, **2020**, 34, 11942-11961	4.1	26
126	Intensive investigation on all-solid-state Li-air batteries with cathode catalysts of single-walled carbon nanotube/RuO2. *Journal of Power Sources*, **2018**, 395, 439-443	8.9	26
125	A High-Crystalline NaV1.25Ti0.75O4 Anode for Wide-Temperature Sodium-Ion Battery. *Advanced Energy Materials*, **2018**, 8, 1801162	21.8	23
124	A novel direct borohydride fuel cell using an acid–alkaline hybrid electrolyte. *Energy and Environmental Science*, **2010**, 3, 1515	35.4	23

123	NaCl-Template Assisted Synthesis of 3D Honeycomb-Like LiMnPO4/C with High Rate and Stable Performance as Lithium-Ion Battery Cathodes. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 16683-16691	8.3	23
122	A Li-ion oxygen battery with Li-Si alloy anode prepared by a mechanical method. *Electrochemistry Communications*, **2017**, 78, 11-15	5.1	21
121	Clean Electrocatalysis in a Li2O2 Redox-Based Li□O2 Battery Built with a Hydrate-Melt Electrolyte. *ACS Catalysis*, **2018**, 8, 1082-1089	13.1	21
120	A novel rechargeable Li-AgO battery with hybrid electrolytes. *Chemical Communications*, **2010**, 46, 2055-7	5.8	21
119	Controllable hydrogen generation from water. *ChemSusChem*, **2010**, 3, 571-4	8.3	21
118	Synthesis of hierarchical and bridging carbon-coated LiMn 0.9 Fe 0.1 PO 4 nanostructure as cathode material with improved performance for lithium ion battery. *Journal of Power Sources*, **2017**, 359, 408-414	8.9	21
117	From O2□ to HO2□ Reducing By-Products and Overpotential in Li-O2 Batteries by Water Addition. *Angewandte Chemie*, **2017**, 129, 5042-5046	3.6	20
116	Revealing the Critical Role of Titanium in Layered Manganese-Based Oxides toward Advanced Sodium-Ion Batteries via a Combined Experimental and Theoretical Study. *Small Methods*, **2019**, 3, 1800183	12.8	20
115	Exploring a high capacity O3-type cathode for sodium-ion batteries and its structural evolution during an electrochemical process. *Chemical Communications*, **2018**, 54, 12167-12170	5.8	20
114	A Dual-Ion Organic Symmetric Battery Constructed from Phenazine-Based Artificial Bipolar Molecules. *Angewandte Chemie*, **2019**, 131, 10007-10011	3.6	19
113	Solar-driven all-solid-state lithium□air batteries operating at extreme low temperatures. *Energy and Environmental Science*, **2020**, 13, 1205-1211	35.4	19
112	In situ X-ray diffraction and thermal analysis of LiNi0.8Co0.15Al0.05O2 synthesized via co-precipitation method. *Journal of Energy Chemistry*, **2018**, 27, 1655-1660	12	19
111	Developing A □Polysulfide-Phobic□ Strategy to Restrain Shuttle Effect in Lithium□Sulfur Batteries. *Angewandte Chemie*, **2019**, 131, 11900-11904	3.6	18
110	Killing two birds with one stone: a Cu ion redox mediator for a non-aqueous Li□O2 battery. *Journal of Materials Chemistry A*, **2019**, 7, 17261-17265	13	18
109	A Safe Organic Oxygen Battery Built with Li-Based Liquid Anode and MOFs Separator. *Advanced Energy Materials*, **2020**, 10, 1903953	21.8	18
108	A lithium-ion oxygen battery with a Si anode lithiated in situ by a LiN-containing cathode. *Chemical Communications*, **2018**, 54, 1069-1072	5.8	18
107	MnCo2O4 decorated Magn□ phase titanium oxide as a carbon-free cathode for Li□O2 batteries. *Journal of Materials Chemistry A*, **2017**, 5, 19991-19996	13	18
106	Research on Effective Oxygen Window Influencing the Capacity of Li-O2 Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 10375-82	9.5	18

105	Rational Design of a Gel-Polymer-Inorganic Separator with Uniform Lithium-Ion Deposition for Highly Stable Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 35788-35795	9.5	17
104	A multi-layered Fe2O3/graphene composite with mesopores as a catalyst for rechargeable aprotic lithium-oxygen batteries. *Nanotechnology*, **2016**, 27, 365402	3.4	17
103	An Appraisal of Lung Nodules Automatic Classification Algorithms for CT Images. *Sensors*, **2019**, 19,	3.8	17
102	Fabrication and Performance of High Energy Li-Ion Battery Based on the Spherical Li[Li(0.2)Ni(0.16)Co(0.1)Mn(0.54)]O2 Cathode and Si Anode. *ACS Applied Materials & Interfaces*, **2016**, 8, 208-14	9.5	16
101	Robust exponential synchronization for neutral complex networks with discrete and distributed time-varying delays: A descriptor model transformation method. *Optimal Control Applications and Methods*, **2014**, 35, 676-695	1.7	16
100	An unsymmetrical lithium-ion pathway between charge and discharge processes in a two-phase stage of Li4Ti5O12. *Physical Chemistry Chemical Physics*, **2012**, 14, 9086-91	3.6	16
99	Exploration of LiO2 by the method of electrochemical quartz crystal microbalance in TEGDME based Li-O2 battery. *Journal of Power Sources*, **2016**, 329, 525-529	8.9	16
98	Hybrid polymer electrolyte for Li□O2 batteries. *Green Energy and Environment*, **2019**, 4, 3-19	5.7	16
97	Designing Cation-Solvent Fully Coordinated Electrolyte for High-Energy-Density Lithium-Sulfur Full Cell Based On Solid-Solid Conversion. *Angewandte Chemie - International Edition*, **2021**, 60, 17726-17734	16.4	16
96	Dilution of the Electron Density in the □Conjugated Skeleton of Organic Cathode Materials Improves the Discharge Voltage. *ChemSusChem*, **2020**, 13, 2264-2270	8.3	15
95	synchronization of coupled reaction-diffusion neural networks with mixed delays. *Complexity*, **2016**, 21, 42-53	1.6	15
94	Robust adaptive synchronisation of complex networks with multiple coupling time-varying delays. *International Journal of Automation and Control*, **2013**, 7, 223	1.8	15
93	Synchronization of general complex networks via adaptive control schemes **2014**, 82, 499-514		14
92	Electrochemical Profile of Oxygen-Deficient LiMn[sub 2]O[sub 4□]in Aqueous Electrolyte. *Journal of the Electrochemical Society*, **2009**, 156, A209	3.9	14
91	Stable Voltage Cutoff Cycle Cathode with Tunable and Ordered Porous Structure for Li-O Batteries. *Small*, **2018**, 14, e1803607	11	14
90	A hybrid phase-transition model of olivine LiFePO4 for the charge and discharge processes. *Journal of Power Sources*, **2013**, 233, 299-303	8.9	13
89	Identifying Anionic Redox Activity within the Related O3- and P2-Type Cathodes for Sodium-Ion Battery. *ACS Applied Materials & Interfaces*, **2020**, 12, 851-857	9.5	13
88	Manifesting construction activity scenes via image captioning. *Automation in Construction*, **2020**, 119, 103334	9.6	13

87	Superhydrophobic cellulose nanofibril/silica fiber/Fe3O4 nanocomposite aerogel for magnetically driven selective oil absorption. *Cellulose*, **2020**, 27, 8909-8922	5.5	13
86	A three-dimensional point cloud registration based on entropy and particle swarm optimization. *Advances in Mechanical Engineering*, **2018**, 10, 168781401881433	1.2	13
85	Pinning control and adaptive control for synchronization of linearly coupled reaction-diffusion neural networks with mixed delays. *International Journal of Adaptive Control and Signal Processing*, **2018**, 32, 1103-1123	2.8	13
84	A Postspinel Anode Enabling Sodium-Ion Ultralong Cycling and Superfast Transport via 1D Channels. *Advanced Energy Materials*, **2017**, 7, 1700361	21.8	12
83	Consensus of uncertain parabolic PDE agents via adaptive unit-vector control scheme. *IET Control Theory and Applications*, **2018**, 12, 2488-2494	2.5	12
82	Preparation and electrochemical profile of Li0.33MnO2 nanorods as cathode material for secondary lithium batteries. *Electrochimica Acta*, **2009**, 54, 7345-7349	6.7	11
81	Sustainable Lithium-Metal Battery Achieved by a Safe Electrolyte Based on Recyclable and Low-Cost Molecular Sieve. *Angewandte Chemie - International Edition*, **2021**, 60, 15572-15581	16.4	11
80	Guaranteed cost synchronization of complex networks with uncertainties and time-Varying delays. *Complexity*, **2016**, 21, 381-395	1.6	11
79	NonAqueous, Metal-Free, and Hybrid Electrolyte Li-Ion O Battery with a Single-Ion-Conducting Separator. *ACS Applied Materials & Interfaces*, **2019**, 11, 4908-4914	9.5	11
78	Robust superhydrophobic fluorinated fibrous silica sponge with fire retardancy for selective oil absorption in harsh environment. *Separation and Purification Technology*, **2020**, 241, 116700	8.3	10
77	Fabrication of High-Energy Li-Ion Cells with Li4 Ti5 O12 Microspheres as Anode and 0.5 Li2 MnO3 ?0.5 LiNi0.4 Co0.2 Mn0.4 O2 Microspheres as Cathode. *Chemistry - an Asian Journal*, **2016**, 11, 1273-80	4.5	10
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75	Cell proliferation detected using [F]FLT PET/CT as an early marker of abdominal aortic aneurysm. *Journal of Nuclear Cardiology*, **2021**, 28, 1961-1971	2.1	10
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71	A long-life lithium-oxygen battery via a molecular quenching/mediating mechanism.. *Science Advances*, **2022**, 8, eabm1899	14.3	9
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