Li Wang

List of Publications by Year in Descending Order

192 papers	8,620 citations	46 h-index	88 g-index
208 ext. papers	10,560 ext. citations	8 avg, IF	6.41 L-index

#	Paper	IF	Citations
192	Suppressing electrolyte-lithium metal reactivity via Li-desolvation in uniform nano-porous separator.. *Nature Communications*, **2022**, 13, 172	17.4	9
191	Stabilized Li metal anode with robust C-Li3N interphase for high energy density batteries. *Energy Storage Materials*, **2022**, 46, 563-569	19.4	2
190	Thermal runaway modeling of LiNi0.6Mn0.2Co0.2O2/graphite batteries under different states of charge. *Journal of Energy Storage*, **2022**, 49, 104090	7.8	0
189	Thermal runaway modeling of large format high-nickel/silicon-graphite lithium-ion batteries based on reaction sequence and kinetics. *Applied Energy*, **2022**, 306, 117943	10.7	3
188	Targeted masking enables stable cycling of LiNi0.6Co0.2Mn0.2O2 at 4.6V. *Nano Energy*, **2022**, 96, 107123	17.1	8
187	Trends in a study on thermal runaway mechanism of lithium-ion battery with LiNi x Mn y Co 1- x - y O 2 cathode materials **2022**, 1, 20210011		5
186	Double-salt electrolyte for Li-ion batteries operated at elevated temperatures. *Energy Storage Materials*, **2022**, 49, 493-501	19.4	1
185	Investigation on Thermal Runaway of Li-Ion Cells Based on LiNi1/3Mn1/3Co1/3O2. *Journal of Electrochemical Energy Conversion and Storage*, **2021**, 18,	2	2
184	A dotted nanowire arrayed by 5□hm sized palladium and nickel composite nanopaticles showing significant electrocatalytic activity towards ethanol oxidation reaction (EOR). *International Journal of Hydrogen Energy*, **2021**, 47, 276-276	6.7	
183	Simultaneously Blocking Chemical Crosstalk and Internal Short Circuit via Gel-Stretching Derived Nanoporous Non-Shrinkage Separator for Safe Lithium-Ion Batteries. *Advanced Materials*, **2021**, e2106335	24	8
182	High-Voltage and High-Safety Practical Lithium Batteries with Ethylene Carbonate-Free Electrolyte. *Advanced Energy Materials*, **2021**, 11, 2102299	21.8	14
181	From separator to membrane: Separators can function more in lithium ion batteries. *Electrochemistry Communications*, **2021**, 124, 106948	5.1	11
180	Enhanced Structural Stability and Electrochemical Performance of LiNiCoMnO Cathode Materials by Ga Doping. *Materials*, **2021**, 14,	3.5	4
179	Preparation and Electrochemical Properties of LiNiCoMnO Cathode Material for Lithium-Ion Batteries. *Materials*, **2021**, 14,	3.5	2
178	Graphite as anode materials: Fundamental mechanism, recent progress and advances. *Energy Storage Materials*, **2021**, 36, 147-170	19.4	57
177	In situ formation of ionically conductive nanointerphase on Si particles for stable battery anode. *Science China Chemistry*, **2021**, 64, 1417-1425	7.9	11
176	Development of cathode-electrolyte-interphase for safer lithium batteries. *Energy Storage Materials*, **2021**, 37, 77-86	19.4	25

175	Nonflammable pseudoconcentrated electrolytes for batteries. *Current Opinion in Electrochemistry*, **2021**, 30, 100783	7.2	1
174	In situ observation of thermal-driven degradation and safety concerns of lithiated graphite anode. *Nature Communications*, **2021**, 12, 4235	17.4	17
173	Rational design of functional binder systems for high-energy lithium-based rechargeable batteries. *Energy Storage Materials*, **2021**, 35, 353-377	19.4	13
172	Lithium extraction from water lithium resources through green electrochemical-battery approaches: A comprehensive review. *Journal of Cleaner Production*, **2021**, 285, 124905	10.3	11
171	A review of lithium-ion battery safety concerns: The issues, strategies, and testing standards. *Journal of Energy Chemistry*, **2021**, 59, 83-99	12	147
170	Investigating the relationship between internal short circuit and thermal runaway of lithium-ion batteries under thermal abuse condition. *Energy Storage Materials*, **2021**, 34, 563-573	19.4	82
169	Unexpected facilitation of the pyrolysis products of potassium ferrocyanide to the electrocatalytic activity of a PdO based palladium iron composite catalyst towards ethanol oxidation reaction (EOR). *International Journal of Hydrogen Energy*, **2021**, 46, 633-644	6.7	0
168	PEO based polymer-ceramic hybrid solid electrolytes: a review. *Nano Convergence*, **2021**, 8, 2	9.2	34
167	Tunable Morphology Synthesis of Lithium Iron Phosphate as Cathode Materials for Lithium-Ion Batteries. *Minerals, Metals and Materials Series*, **2021**, 943-951	0.3	
166	Solid Polymer Electrolytes with High Conductivity and Transference Number of Li Ions for Li-Based Rechargeable Batteries. *Advanced Science*, **2021**, 8, 2003675	13.6	35
165	Pry into the thermal and mechanical properties of electrolyte-soaked separators. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 119, 269-276	5.3	3
164	Thermal runaway mechanism of lithium-ion battery with LiNi0.8Mn0.1Co0.1O2 cathode materials. *Nano Energy*, **2021**, 85, 105878	17.1	43
163	Unlocking the self-supported thermal runaway of high-energy lithium-ion batteries. *Energy Storage Materials*, **2021**, 39, 395-402	19.4	19
162	Investigating the thermal runaway features of lithium-ion batteries using a thermal resistance network model. *Applied Energy*, **2021**, 295, 117038	10.7	8
161	Electrochemical deposition of leaf stalk-shaped polyaniline doped with sodium dodecyl sulfate on aluminum and its use as a novel type of current collector in lithium ion batteries. *Synthetic Metals*, **2021**, 278, 116837	3.6	0
160	Freeze drying under vacuum assisted synthesis of LiFePO4@MWCNTs composite with phytic acid as phosphorus source for advanced Li-storage. *Vacuum*, **2021**, 193, 110541	3.7	3
159	In-built ultraconformal interphases enable high-safety practical lithium batteries. *Energy Storage Materials*, **2021**, 43, 248-257	19.4	10
158	Thermal kinetics comparison of delithiated Li[Ni Co Mn]O2 cathodes. *Journal of Power Sources*, **2021**, 514, 230582	8.9	6

157	A polymeric composite protective layer for stable Li metal anodes. *Nano Convergence*, **2020**, 7, 21	9.2	7
156	In situ preparation of CuCl cubic particles on the commercial copper foil: its significant facilitation to the electrochemical performance of the commercial graphite and its unexpected photochromic behavior. *Journal of Alloys and Compounds*, **2020**, 835, 155302	5.7	3
155	A reliable approach of differentiating discrete sampled-data for battery diagnosis. *ETransportation*, **2020**, 3, 100051	12.7	34
154	Toward a high-voltage fast-charging pouch cell with TiO2 cathode coating and enhanced battery safety. *Nano Energy*, **2020**, 71, 104643	17.1	36
153	A novel battery scheme: Coupling nanostructured phosphorus anodes with lithium sulfide cathodes. *Nano Research*, **2020**, 13, 1383-1388	10	10
152	Countersolvent Electrolytes for Lithium-Metal Batteries. *Advanced Energy Materials*, **2020**, 10, 1903568	21.8	102
151	A Facile Approach to High Precision Detection of Cell-to-Cell Variation for Li-ion Batteries. *Scientific Reports*, **2020**, 10, 7182	4.9	7
150	Honeycomb-shaped carbon particles prepared from bicycle waste tires for anodes in lithium ion batteries. *Materials Chemistry and Physics*, **2020**, 251, 123202	4.4	4
149	Accelerated lithium-ion conduction in covalent organic frameworks. *Chemical Communications*, **2020**, 56, 10465-10468	5.8	17
148	An ionic liquid-present hydrothermal method for preparing hawthorn sherry ball shaped palladium (Pd)-based composite catalysts for ethanol oxidation reaction (EOR). *International Journal of Hydrogen Energy*, **2020**, 45, 1930-1939	6.7	15
147	Thickness variation of lithium metal anode with cycling. *Journal of Power Sources*, **2020**, 476, 228749	8.9	9
146	The opportunity of metal organic frameworks and covalent organic frameworks in lithium (ion) batteries and fuel cells. *Energy Storage Materials*, **2020**, 33, 360-381	19.4	17
145	Thermal runaway of Lithium-ion batteries employing LiN(SOF)-based concentrated electrolytes. *Nature Communications*, **2020**, 11, 5100	17.4	58
144	The effects of polybenzimidazole nanofiber separator on the safety and performance of lithium-ion batteries: Characterization and analysis from the perspective of mechanism. *Journal of Power Sources*, **2020**, 475, 228624	8.9	17
143	Preparation of CuBr nanoparticles on the surface of the commercial copper foil via a soaking method at room temperature: Its unexpected facilitation to the discharge capacity of the commercial graphite electrode. *Journal of Electroanalytical Chemistry*, **2020**, 877, 114626	4.1	
142	Double-Layer Carbon-Coating Method for Simultaneous Improvement of Conductivity and Tap Density of LiMn0.65Fe0.35PO4/C/KB Cathode Materials. *ACS Applied Energy Materials*, **2020**, 3, 8573-8582	6.1	1
141	Confining ultrafine Li3P nanoclusters in porous carbon for high-performance lithium-ion battery anode. *Nano Research*, **2020**, 13, 1122-1126	10	10
140	Key Characteristics for Thermal Runaway of Li-ion Batteries. *Energy Procedia*, **2019**, 158, 4684-4689	2.3	37

139	Red phosphorus filled biomass carbon as high-capacity and long-life anode for sodium-ion batteries. *Journal of Power Sources*, **2019**, 430, 60-66	8.9	29
138	Investigating the thermal runaway mechanisms of lithium-ion batteries based on thermal analysis database. *Applied Energy*, **2019**, 246, 53-64	10.7	162
137	Design of Red Phosphorus Nanostructured Electrode for Fast-Charging Lithium-Ion Batteries with High Energy Density. *Joule*, **2019**, 3, 1080-1093	27.8	102
136	A homemade self-healing material utilized as multi-functional binder for long-lifespan lithium□sulfur batteries. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 5536-5543	2.1	7
135	Corrosion resistance mechanism of chromate conversion coated aluminium current collector in lithium-ion batteries. *Corrosion Science*, **2019**, 158, 108100	6.8	9
134	Challenges of Fast Charging for Electric Vehicles and the Role of Red Phosphorous as Anode Material: Review. *Energies*, **2019**, 12, 3897	3.1	15
133	Anion effects on the solvation structure and properties of imide lithium salt-based electrolytes.. *RSC Advances*, **2019**, 9, 41837-41846	3.7	10
132	A graphical model for evaluating the status of series-connected lithium-ion battery pack. *International Journal of Energy Research*, **2019**, 43, 749-766	4.5	14
131	Enhanced photocatalytic activity of BiOCl by C70 modification and mechanism insight. *Applied Surface Science*, **2018**, 443, 497-505	6.7	54
130	Preparation of mesoporous Ni2P nanobelts with high performance for electrocatalytic hydrogen evolution and supercapacitor. *International Journal of Hydrogen Energy*, **2018**, 43, 3697-3704	6.7	51
129	Leaf-like □Fe2O3 micron-particle: Preparation and its usage as anode materials for lithium ion batteries. *Materials Chemistry and Physics*, **2018**, 207, 58-66	4.4	8
128	Probing the heat sources during thermal runaway process by thermal analysis of different battery chemistries. *Journal of Power Sources*, **2018**, 378, 527-536	8.9	85
127	Detecting the internal short circuit in large-format lithium-ion battery using model-based fault-diagnosis algorithm. *Journal of Energy Storage*, **2018**, 18, 26-39	7.8	88
126	Nitrogen-Doped Carbon for Red Phosphorous Based Anode Materials for Lithium Ion Batteries. *Materials*, **2018**, 11,	3.5	13
125	Dandelion-like mesoporous Co3O4 as anode materials for lithium ion batteries. *Ionics*, **2018**, 24, 1595-1602	2.7	4
124	Using PdO and PbO as the starting materials to prepare a multi-walled carbon nanotubes supported composite catalyst (PdxPby/MWCNTs) for ethanol oxidation reaction (EOR). *International Journal of Hydrogen Energy*, **2018**, 43, 1523-1528	6.7	6
123	Protecting Al foils for high-voltage lithium-ion chemistries. *Materials Today Energy*, **2018**, 7, 18-26	7	13
122	Red phosphorus composite anodes for Li-ion batteries. *Ionics*, **2018**, 24, 303-308	2.7	5

121	Time Sequence Map for Interpreting the Thermal Runaway Mechanism of Lithium-Ion Batteries With LiNixCoyMnzO2 Cathode. *Frontiers in Energy Research*, **2018**, 6,	3.8	51
120	A Coupled Electrochemical-Thermal Failure Model for Predicting the Thermal Runaway Behavior of Lithium-Ion Batteries. *Journal of the Electrochemical Society*, **2018**, 165, A3748-A3765	3.9	44
119	Pseudoconcentrated Electrolyte with High Ionic Conductivity and Stability Enables High-Voltage Lithium-Ion Battery Chemistry. *ACS Applied Energy Materials*, **2018**,	6.1	9
118	Incremental Capacity Analysis on Commercial Lithium-Ion Batteries Using Support Vector Regression: A Parametric Study. *Energies*, **2018**, 11, 2323	3.1	18
117	Mechanisms for the evolution of cell variations within a LiNixCoyMnzO2/graphite lithium-ion battery pack caused by temperature non-uniformity. *Journal of Cleaner Production*, **2018**, 205, 447-462	10.3	42
116	Revisiting the Corrosion of the Aluminum Current Collector in Lithium-Ion Batteries. *Journal of Physical Chemistry Letters*, **2017**, 8, 1072-1077	6.4	98
115	Application of Galvanostatic Intermittent Titration Technique to Investigate Phase Transformation of LiFePO4 Nanoparticles. *Electrochimica Acta*, **2017**, 241, 132-140	6.7	7
114	Economic and High Performance Phosphorus-Carbon Composite for Lithium and Sodium Storage. *ACS Omega*, **2017**, 2, 4440-4446	3.9	8
113	Monodisperse and size-tunable CoO nanocrystals synthesized by thermal decomposition and as an active precursor for Fischer-Tropsch synthesis. *Chemical Physics Letters*, **2017**, 667, 32-37	2.5	6
112	Effect of Pore Size Distribution of Carbon Matrix on the Performance of Phosphorus@Carbon Material as Anode for Lithium-Ion Batteries. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4217-4223	8.3	31
111	A novel material Li2NiFe2O4: Preparation and performance as anode of lithium ion battery. *Materials Chemistry and Physics*, **2016**, 177, 31-39	4.4	15
110	Polyimide Binder: A Facile Way to Improve Safety of Lithium Ion Batteries. *Electrochimica Acta*, **2016**, 187, 113-118	6.7	42
109	Characterization of porous micro-/nanostructured Co 3 O 4 microellipsoids. *Electrochimica Acta*, **2016**, 188, 40-47	6.7	7
108	Distinctive slit-shaped porous carbon encapsulating phosphorus as a promising anode material for lithium batteries. *Ionics*, **2016**, 22, 167-172	2.7	12
107	One-Step Synthesis of Single-Wall Carbon Nanotube-ZnS Core-Shell Nanocables. *Materials*, **2016**, 9,	3.5	3
106	Nano-Crystalline LiMnNiO□Prepared via Amorphous Complex Precursor and Its Electrochemical Performances as Cathode Material for Lithium-Ion Batteries. *Materials*, **2016**, 9,	3.5	14
105	The Synthesis of LiMnFePO□/C Cathode Material through Solvothermal Jointed with Solid-State Reaction. *Materials*, **2016**, 9,	3.5	5
104	Boron-doped Ketjenblack based high performances cathode for rechargeable Li□O 2 batteries. *Journal of Energy Chemistry*, **2016**, 25, 131-135	12	11

103	Mesoporous MnCo2O4 microflower constructed by sheets for lithium ion batteries. *Materials Letters*, **2016**, 177, 85-88	3.3	20
102	Effect of cooling on the structure and electrochemical properties of 0.3Li2MnO3 □ 0.7LiNi0.5Mn0.5O2 cathode material. *Ionics*, **2015**, 21, 1819-1825	2.7	4
101	Composite of graphite/phosphorus as anode for lithium-ion batteries. *Journal of Power Sources*, **2015**, 289, 100-104	8.9	67
100	Significant role of □burned□graphene in determining the morphology of LiNiO2 prepared under the air conditions. *Electrochimica Acta*, **2015**, 176, 240-248	6.7	12
99	Urea-assisted solvothermal synthesis of monodisperse multiporous hierarchical micro/nanostructured ZnCo2O4 microspheres and their lithium storage properties. *Ionics*, **2015**, 21, 2743-2754	2.7	14
98	Nanocomposite polymer membrane derived from nano TiO2-PMMA and glass fiber nonwoven: high thermal endurance and cycle stability in lithium ion battery applications. *Journal of Materials Chemistry A*, **2015**, 3, 17697-17703	13	36
97	Surface modification of polyolefin separators for lithium ion batteries to reduce thermal shrinkage without thickness increase. *Journal of Energy Chemistry*, **2015**, 24, 138-144	12	36
96	Remarkable enhancement in visible-light absorption and electron transfer of carbon nitride nanosheets with 1% tungstate dopant. *Applied Catalysis B: Environmental*, **2015**, 176-177, 91-98	21.8	12
95	CeO2 nanorod/g-C3N4/N-rGO composite: enhanced visible-light-driven photocatalytic performance and the role of N-rGO as electronic transfer media. *Dalton Transactions*, **2015**, 44, 11223-34	4.3	86
94	Three-dimension hierarchical flower-like Ni1.5Co1.5O4 nanostructures composed of two-dimension ultrathin nanosheets as an anode material for lithium ion batteries. *Materials Letters*, **2015**, 151, 49-52	3.3	5
93	Facile synthesis of monodisperse Co3O4 mesoporous microdisks as an anode material for lithium ion batteries. *Electrochimica Acta*, **2015**, 151, 109-117	6.7	47
92	In-situ Coating of Cathode by Electrolyte Additive for High-voltage Performance of Lithium-ion Batteries. *Electrochimica Acta*, **2015**, 158, 202-208	6.7	11
91	Composite electrospun membranes containing a monodispersed nano-sized TiO2@Li+ single ionic conductor for Li-ion batteries. *RSC Advances*, **2015**, 5, 8258-8262	3.7	13
90	Influence of anion species on the morphology of solvothermal synthesized LiMn0.9Fe0.1PO4. *Electrochimica Acta*, **2014**, 134, 13-17	6.7	15
89	Structure and electrochemical properties of composite polymer electrolyte based on poly vinylidene fluoride□hexafluoropropylene/titania□poly(methyl methacrylate) for lithium-ion batteries. *Journal of Power Sources*, **2014**, 246, 499-504	8.9	35
88	Urchin-like TiO□@C core-shell microspheres: coupled synthesis and lithium-ion battery applications. *Physical Chemistry Chemical Physics*, **2014**, 16, 8808-11	3.6	23
87	Porous MoO3 Film as a High-Performance Anode Material for Lithium-Ion Batteries. *ChemElectroChem*, **2014**, 1, 1476-1479	4.3	22
86	A simple and efficient strategy for the synthesis of a chemically tailored g-C3N4 material. *Journal of Materials Chemistry A*, **2014**, 2, 17521-17529	13	96

85	Solvothermal synthesis of nano LiMn0.9Fe0.1PO4: Reaction mechanism and electrochemical properties. *Journal of Power Sources*, **2014**, 253, 143-149	8.9	32
84	Bottom-up assembly of hydrophobic nanocrystals and graphene nanosheets into mesoporous nanocomposites. *Langmuir*, **2014**, 30, 4434-40	4	7
83	Hierarchical Carbon Nanotube/Carbon Black Scaffolds as Short- and Long-Range Electron Pathways with Superior Li-Ion Storage Performance. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 200-206	8.3	42
82	Improvement in High-voltage Performance of Lithium-ion Batteries Using Bismaleimide as an Electrolyte Additive. *Electrochimica Acta*, **2014**, 121, 264-269	6.7	23
81	Enhanced oxidation ability of g-C3N4 photocatalyst via C60 modification. *Applied Catalysis B: Environmental*, **2014**, 152-153, 262-270	21.8	325
80	A one-pot approach towards FeF2–carbon core–shell composite and its application in lithium ion batteries. *Journal of Alloys and Compounds*, **2014**, 606, 226-230	5.7	13
79	Electrocatalysis of carbon black- or poly(diallyldimethylammonium chloride)-functionalized activated carbon nanotubes-supported Pd–Rh towards methanol oxidation in alkaline media. *Journal of Power Sources*, **2014**, 257, 138-146	8.9	26
78	In situ prepared nano-crystalline TiO2–poly(methyl methacrylate) hybrid enhanced composite polymer electrolyte for Li-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 5955	13	101
77	Synthesis and characterization of Li(Li0.23Mn0.47Fe0.2Ni0.1)O2 cathode material for Li-ion batteries. *Journal of Power Sources*, **2013**, 244, 652-657	8.9	33
76	Interfacial compatibility of gel polymer electrolyte and electrode on performance of Li-ion battery. *Electrochimica Acta*, **2013**, 114, 527-532	6.7	36
75	Nano particle LiFePO4 prepared by solvothermal process. *Journal of Power Sources*, **2013**, 244, 94-100	8.9	35
74	Graphene-coated plastic film as current collector for lithium/sulfur batteries. *Journal of Power Sources*, **2013**, 239, 623-627	8.9	42
73	V2O5 nanostructure arrays: controllable synthesis and performance as cathodes for lithium ion batteries. *RSC Advances*, **2013**, 3, 19937	3.7	14
72	Dispersibility of nano-TiO2 on performance of composite polymer electrolytes for Li-ion batteries. *Electrochimica Acta*, **2013**, 111, 674-679	6.7	65
71	Organic polymer material with a multi-electron process redox reaction: towards ultra-high reversible lithium storage capacity. *RSC Advances*, **2013**, 3, 3227	3.7	29
70	Performance enhancement of ZnO photocatalyst via synergic effect of surface oxygen defect and graphene hybridization. *Langmuir*, **2013**, 29, 3097-105	4	397
69	Photocatalytic Activity Enhanced via g-C3N4 Nanoplates to Nanorods. *Journal of Physical Chemistry C*, **2013**, 117, 9952-9961	3.8	524
68	Morphology regulation of nano LiMn0.9Fe0.1PO4 by solvothermal synthesis for lithium ion batteries. *Electrochimica Acta*, **2013**, 112, 144-148	6.7	21

67	Rapid Synthesis of LiFePO4 by Coprecipitation. *Chemistry Letters*, **2013**, 42, 1191-1193	1.7	7
66	Macromolecule plasticized interpenetrating structure solid state polymer electrolyte for lithium ion batteries. *Electrochimica Acta*, **2012**, 68, 214-219	6.7	12
65	Charge/discharge characteristics of sulfurized polyacrylonitrile composite with different sulfur content in carbonate based electrolyte for lithium batteries. *Electrochimica Acta*, **2012**, 72, 114-119	6.7	128
64	Visible Photocatalytic Activity Enhancement of ZnWO4 by Graphene Hybridization. *ACS Catalysis*, **2012**, 2, 2769-2778	13.1	236
63	Analysis of the synthesis process of sulphur–poly(acrylonitrile)-based cathode materials for lithium batteries. *Journal of Materials Chemistry*, **2012**, 22, 22077		74
62	Crystal orientation tuning of LiFePO4 nanoplates for high rate lithium battery cathode materials. *Nano Letters*, **2012**, 12, 5632-6	11.5	273
61	Nano-Structured Phosphorus Composite as High-Capacity Anode Materials for Lithium Batteries. *Angewandte Chemie*, **2012**, 124, 9168-9171	3.6	29
60	Decontamination of bisphenol A from aqueous solution by graphene adsorption. *Langmuir*, **2012**, 28, 8418-25	4	635
59	Nano-structured phosphorus composite as high-capacity anode materials for lithium batteries. *Angewandte Chemie - International Edition*, **2012**, 51, 9034-7	16.4	257
58	Charge rate influence on the electrochemical performance of LiFePO4 electrode with redox shuttle additive in electrolyte. *Ionics*, **2012**, 18, 501-505	2.7	10
57	LiCoO2 nanoplates with exposed (001) planes and high rate capability for lithium-ion batteries. *Nano Research*, **2012**, 5, 395-401	10	61
56	In Situ Polymerization of Methoxy Polyethylene Glycol (350) Monoacrylate and Polyethyleneglycol (200) Dimethacrylate Based Solid-State Polymer Electrolyte for Li-Ion Batteries. *Journal of the Electrochemical Society*, **2012**, 159, A915-A919	3.9	5
55	Nitrogen-doped graphene nanosheets with excellent lithium storage properties. *Journal of Materials Chemistry*, **2011**, 21, 5430		616
54	AlF3 coating of LiNi0.5Mn1.5O4 for high-performance Li-ion batteries. *Ionics*, **2011**, 17, 671-675	2.7	66
53	Kinetic investigation of sulfurized polyacrylonitrile cathode material by electrochemical impedance spectroscopy. *Electrochimica Acta*, **2011**, 56, 5252-5256	6.7	46
52	Kinetics of LiFePO4 Cathode Material Prepared by Carbothermal Reduction Method. *Advanced Materials Research*, **2010**, 178, 172-179	0.5	0
51	Nonstoichiometric Lithium Iron Phosphate Synthesized by Hydrothermal Route. *Advanced Materials Research*, **2010**, 178, 118-123	0.5	
50	Optimization of carbon coatings on LiFePO4: Carbonization temperature and carbon content. *Journal of Alloys and Compounds*, **2010**, 503, 370-374	5.7	55

49	Shape control of CoO and LiCoO2 nanocrystals. *Nano Research*, **2010**, 3, 1-7	10	67
48	The electrochemical characteristics of sulfur composite cathode. *Ionics*, **2010**, 16, 689-695	2.7	9
47	Recent advances in layered LiNi x CoyMn1 O2 cathode materials for lithium ion batteries. *Journal of Solid State Electrochemistry*, **2009**, 13, 1157-1164	2.6	109
46	Expansion and shrinkage of the sulfur composite electrode in rechargeable lithium batteries. *Journal of Power Sources*, **2009**, 190, 154-156	8.9	140
45	Electrochemical characteristics of sulfur composite cathode for reversible lithium storage. *Ionics*, **2009**, 15, 477-481	2.7	25
44	Hydrothermal synthesis of orthorhombic LiMnO2 nano-particles and LiMnO2 nanorods and comparison of their electrochemical performances. *Nano Research*, **2009**, 2, 923-930	10	55
43	Electrochemical performance of SrF2-coated LiNi1/3Co1/3Mn1/3O2 cathode materials for Li-ion batteries. *Journal of Power Sources*, **2009**, 190, 149-153	8.9	63
42	Synthesis and characterization of LiNi0.6Mn0.4 CoxO2 as cathode materials for Li-ion batteries. *Journal of Power Sources*, **2009**, 189, 28-33	8.9	102
41	Determination of Lithium-Ion Transference Numbers in LiPF[sub 6] PC Solutions Based on Electrochemical Polarization and NMR Measurements. *Journal of the Electrochemical Society*, **2008**, 155, A292	3.9	74
40	A Si SnSb/pyrolytic PAN composite anode for lithium-ion batteries. *Electrochimica Acta*, **2008**, 53, 7048-7053	4.7	19
39	Preparation of P(AN-MMA) gel electrolyte for Li-ion batteries. *Ionics*, **2008**, 14, 27-31	2.7	21
38	Charge/discharge characteristics of sulfur composite electrode at different temperature and current density in rechargeable lithium batteries. *Ionics*, **2008**, 14, 335-337	2.7	19
37	Synthesis of star macromolecules for solid polymer electrolytes. *Ionics*, **2008**, 14, 463-467	2.7	15
36	Effects of magnesium doping on electronic conductivity and electrochemical properties of LiFePO4 prepared via hydrothermal route. *Journal of Power Sources*, **2008**, 184, 543-547	8.9	61
35	Porous nanoballs formed through an in situ generated framework template. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 312, 39-46	5.1	
34	Si, Si/Cu core in carbon shell composite as anode material in lithium-ion batteries. *Solid State Ionics*, **2007**, 178, 115-118	3.3	32
33	Synthesis of spherical nano tin encapsulated pyrolytic polyacrylonitrile composite anode material for Li ion batteries. *Solid State Ionics*, **2007**, 178, 833-836	3.3	23
32	Nanometer copper tin alloy anode material for lithium-ion batteries. *Electrochimica Acta*, **2007**, 52, 2447-2452	4.7	31

31	Addition of NH4HCO3 as pore-former in membrane electrode assembly for PEMFC. *International Journal of Hydrogen Energy*, **2007**, 32, 380-384	6.7	40
30	Synthesis of nano Sb-encapsulated pyrolytic polyacrylonitrile composite for anode material in lithium secondary batteries. *Electrochimica Acta*, **2007**, 52, 3651-3653	6.7	28
29	Charge/discharge characteristics of sulfur composite cathode materials in rechargeable lithium batteries. *Electrochimica Acta*, **2007**, 52, 7372-7376	6.7	74
28	Synthesis of nanosized Si composite anode material for Li-ion batteries. *Ionics*, **2007**, 13, 51-54	2.7	15
27	Sulfur composite cathode materials: comparative characterization of polyacrylonitrile precursor. *Ionics*, **2007**, 13, 273-276	2.7	15
26	Poly(Acrylonitrile-Methyl Methacrylate) Based Microporous Gel Electrolyte for Li-Ion Battery. *Key Engineering Materials*, **2007**, 336-338, 533-536	0.4	
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