Zonghai Chen

List of Publications by Year
in descending order

141 papers	15,377 citations	20817 60 h-index	17592 121 g-index
146 all docs	146 docs citations	146 times ranked	13781 citing authors

#	ARTICLE	IF	CITATIONS
1	Native lattice strain induced structural earthquake in sodium layered oxide cathodes. Nature Communications, 2022, 13, 436.	12.8	29
2	Suppressing electrolyte-lithium metal reactivity via Li+-desolvation in uniform nano-porous separator. Nature Communications, 2022, 13, 172.	12.8	83
3	Overâ€Potential Tailored Thin and Dense Lithium Carbonate Growth in Solid Electrolyte Interphase for Advanced Lithium Ion Batteries. Advanced Energy Materials, 2022, 12, .	19.5	32
4	Synchrotron-based X-ray diffraction and absorption spectroscopy studies on layered LiNixMnyCozO2 cathode materials: A review. Energy Storage Materials, 2022, 49, 181-208.	18.0	29
5	Targeted masking enables stable cycling of LiNi0.6Co0.2Mn0.2O2 at 4.6V. Nano Energy, 2022, 96, 107123.	16.0	42
6	High-performance LiNi0.8Mn0.1Co0.1O2 cathode by nanoscale lithium sulfide coating via atomic layer deposition. Journal of Energy Chemistry, 2022, 69, 531-540.	12.9	11
7	Critical Evaluation of Potentiostatic Holds as Accelerated Predictors of Capacity Fade during Calendar Aging. Journal of the Electrochemical Society, 2022, 169, 050531.	2.9	16
8	Revisiting the initial irreversible capacity loss of LiNi0.6Co0.2Mn0.2O2 cathode material batteries. Energy Storage Materials, 2022, 50, 373-379.	18.0	11
9	Constituting robust interfaces for better lithium-ion batteries and beyond using atomic and molecular layer deposition. , 2022, , .		0
10	Origin and regulation of oxygen redox instability in high-voltage battery cathodes. Nature Energy, 2022, 7, 808-817.	39.5	55
11	Kinetic Limitations in Singleâ€Crystal Highâ€Nickel Cathodes. Angewandte Chemie - International Edition, 2021, 60, 17350-17355.	13.8	84
12	Kinetic Limitations in Singleâ€Crystal Highâ€Nickel Cathodes. Angewandte Chemie, 2021, 133, 17490-17495.	2.0	2
13	Unveiling decaying mechanism through quantitative structure-activity relationship in electrolytes for lithium-ion batteries. Nano Energy, 2021, 83, 105843.	16.0	23
14	Role of Lithium Doping in P2-Na_{0.67}Ni_{0.33}Mn_{0.67}O₂ for Sodium-Ion Batteries. Chemistry of Materials, 2021, 33, 4445-4455.	6.7	56
15	In situ observation of thermal-driven degradation and safety concerns of lithiated graphite anode. Nature Communications, 2021, 12, 4235.	12.8	74
16	Surface Modification of Nickelâ€Rich Cathode Materials by Ionically Conductive Materials at Room Temperature. Energy Technology, 2021, 9, 2100422.	3.8	4
17	In-built ultraconformal interphases enable high-safety practical lithium batteries. Energy Storage Materials, 2021, 43, 248-257.	18.0	49
18	Stress- and Interface-Compatible Red Phosphorus Anode for High-Energy and Durable Sodium-Ion Batteries. ACS Energy Letters, 2021, 6, 547-556.	17.4	33

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19	Highâ€Voltage and Highâ€Safety Practical Lithium Batteries with Ethylene Carbonateâ€Free Electrolyte. Advanced Energy Materials, 2021, 11, 2102299.	19.5	59
20	Local spring effect in titanium-based layered oxides. Energy and Environmental Science, 2020, 13, 4371-4380.	30.8	13
21	Challenges and Strategies to Advance Highâ€Energy Nickelâ€Rich Layered Lithium Transition Metal Oxide Cathodes for Harsh Operation. Advanced Functional Materials, 2020, 30, 2004748.	14.9	146
22	Interfacial Stabilization of a Graphene-Wrapped Cu2S Anode for High-Performance Sodium-Ion Batteries via Atomic Layer Deposition. Journal of Composites Science, 2020, 4, 184.	3.0	0
23	A polymeric composite protective layer for stable Li metal anodes. Nano Convergence, 2020, 7, 21.	12.1	17
24	Probing the Thermal-Driven Structural and Chemical Degradation of Ni-Rich Layered Cathodes by Co/Mn Exchange. Journal of the American Chemical Society, 2020, 142, 19745-19753.	13.7	122
25	Regulating the Hidden Solvationâ€lonâ€Exchange in Concentrated Electrolytes for Stable and Safe Lithium Metal Batteries. Advanced Energy Materials, 2020, 10, 2000901.	19.5	65
26	Revealing the Structural Evolution and Phase Transformation of O3-Type NaNi_{1/3}Fe_{1/3}Mn_{1/3}O₂ Cathode Material on Sintering and Cycling Processes. ACS Applied Energy Materials, 2020, 3, 6107-6114.	5.1	19
27	Probing solid-state reaction through microstrain: A case study on synthesis of LiCoO2. Journal of Power Sources, 2020, 469, 228422.	7.8	17
28	Superlattice-structured films by magnetron sputtering as new era electrodes for advanced lithium-ion batteries. Nano Energy, 2020, 76, 105094.	16.0	8
29	Tuning Oxygen Redox Reaction through the Inductive Effect with Proton Insertion in Li-Rich Oxides. ACS Applied Materials & Interfaces, 2020, 12, 7277-7284.	8.0	33
30	A Facile Approach to High Precision Detection of Cell-to-Cell Variation for Li-ion Batteries. Scientific Reports, 2020, 10, 7182.	3.3	16
31	A practical phosphorus-based anode material for high-energy lithium-ion batteries. Nano Energy, 2020, 74, 104849.	16.0	56
32	Advanced Electrolytes for Fastâ€Charging Highâ€Voltage Lithiumâ€lon Batteries in Wideâ€Temperature Range. Advanced Energy Materials, 2020, 10, 2000368.	19.5	159
33	Cooling Induced Surface Reconstruction during Synthesis of Highâ€Ni Layered Oxides. Advanced Energy Materials, 2019, 9, 1901915.	19.5	34
34	Challenges of Fast Charging for Electric Vehicles and the Role of Red Phosphorous as Anode Material: Review. Energies, 2019, 12, 3897.	3.1	24
35	Insights into Li/Ni ordering and surface reconstruction during synthesis of Ni-rich layered oxides. Journal of Materials Chemistry A, 2019, 7, 513-519.	10.3	92
36	Identifying Active Sites for Parasitic Reactions at the Cathodeâ€“Electrolyte Interface. Journal of Physical Chemistry Letters, 2019, 10, 589-594.	4.6	31

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37	Revealing the Atomic Origin of Heterogeneous Liâ€Ion Diffusion by Probing Na. Advanced Materials, 2019, 31, e1805889.	21.0	30
38	CuS and Cu 2 S as Cathode Materials for Lithium Batteries: A Review. ChemElectroChem, 2019, 6, 2824-2824.	3.4	0
39	Building ultraconformal protective layers on both secondary and primary particles of layered lithium transition metal oxide cathodes. Nature Energy, 2019, 4, 484-494.	39.5	345
40	Intrinsic Role of Cationic Substitution in Tuning Li/Ni Mixing in High-Ni Layered Oxides. Chemistry of Materials, 2019, 31, 2731-2740.	6.7	85
41	Surface Modification for Suppressing Interfacial Parasitic Reactions of a Nickel-Rich Lithium-Ion Cathode. Chemistry of Materials, 2019, 31, 2723-2730.	6.7	114
42	Chemistry Design Towards a Stable Sulfideâ€Based Superionic Conductor Li₄Cu₈Ge₃S₁₂. Angewandte Chemie - International Edition, 2019, 58, 7673-7677.	13.8	37
43	Chemistry Design Towards a Stable Sulfideâ€Based Superionic Conductor Li₄Cu₈Ge₃S₁₂. Angewandte Chemie, 2019, 131, 7755-7759.	2.0	9
44	CuS and Cu₂S as Cathode Materials for Lithium Batteries: A Review. ChemElectroChem, 2019, 6, 2825-2840.	3.4	52
45	A 3D flexible and robust HAPs/PVA separator prepared by a freezing-drying method for safe lithium metal batteries. Journal of Materials Chemistry A, 2019, 7, 6859-6868.	10.3	70
46	Lithiumâ€Ion Batteries: Cooling Induced Surface Reconstruction during Synthesis of Highâ€Ni Layered Oxides (Adv. Energy Mater. 43/2019). Advanced Energy Materials, 2019, 9, 1970173.	19.5	0
47	Anion effects on the solvation structure and properties of imide lithium salt-based electrolytes. RSC Advances, 2019, 9, 41837-41846.	3.6	31
48	In situ quantification of interphasial chemistry in Li-ion battery. Nature Nanotechnology, 2019, 14, 50-56.	31.5	373
49	Impact of alginate and fluoroethylene carbonate on the electrochemical performance of SiOâ€“SnCoC anode for lithium-ion batteries. Journal of Solid State Electrochemistry, 2019, 23, 397-405.	2.5	2
50	Solidâ€State Lithium/Seleniumâ€“Sulfur Chemistry Enabled via a Robust Solidâ€Electrolyte Interphase. Advanced Energy Materials, 2019, 9, 1802235.	19.5	63
51	Cyclic carbonate for highly stable cycling of high voltage lithium metal batteries. Energy Storage Materials, 2019, 17, 284-292.	18.0	115
52	Directionally assembled MoS₂with significantly expanded interlayer spacing: a superior anode material for high-rate lithium-ion batteries. Materials Chemistry Frontiers, 2018, 2, 1441-1448.	5.9	12
53	Insight into Caâ€Substitution Effects on O3â€Type NaNi_{1/3}Fe_{1/3}Mn_{1/3}O₂ Cathode Materials for Sodiumâ€Ion Batteries Application. Small, 2018, 14, e1704523.	10.0	97
54	Reversible Redox Chemistry of Azo Compounds for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 2879-2883.	13.8	159

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55	Reversible Redox Chemistry of Azo Compounds for Sodiumâ€Ion Batteries. Angewandte Chemie, 2018, 130, 2929-2933.	2.0	33
56	Challenges in Developing Electrodes, Electrolytes, and Diagnostics Tools to Understand and Advance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702403.	19.5	221
57	Modifying the Surface of a High-Voltage Lithium-Ion Cathode. ACS Applied Energy Materials, 2018, 1, 2254-2260.	5.1	46
58	Electrostatic Self-Assembly Enabling Integrated Bulk and Interfacial Sodium Storage in 3D Titania-Graphene Hybrid. Nano Letters, 2018, 18, 336-346.	9.1	40
59	Protecting Al foils for high-voltage lithium-ion chemistries. Materials Today Energy, 2018, 7, 18-26.	4.7	24
60	A self-assembled dual-phase composite as a precursor of high-performance anodes for intermediate temperature solid oxide fuel cells. Chemical Communications, 2018, 54, 12341-12344.	4.1	11
61	Insights into the Performance Degradation of Oxygen-Type Manganese-Rich Layered Oxide Cathodes for High-Voltage Sodium-Ion Batteries. ACS Applied Energy Materials, 2018, , .	5.1	2
62	Cationic Ordering Coupled to Reconstruction of Basic Building Units during Synthesis of High-Ni Layered Oxides. Journal of the American Chemical Society, 2018, 140, 12484-12492.	13.7	113
63	The Relationship between the Relative Solvating Power of Electrolytes and Shuttling Effect of Lithium Polysulfides in Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2018, 57, 12033-12036.	13.8	69
64	Identifying the Structural Evolution of the Sodium Ion Battery Na₂FePO₄F Cathode. Angewandte Chemie - International Edition, 2018, 57, 11918-11923.	13.8	79
65	Identifying the Structural Evolution of the Sodium Ion Battery Na₂FePO₄F Cathode. Angewandte Chemie, 2018, 130, 12094-12099.	2.0	22
66	The Relationship between the Relative Solvating Power of Electrolytes and Shuttling Effect of Lithium Polysulfides in Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2018, 130, 12209-12212.	2.0	17
67	Probing Thermal and Chemical Stability of Na_{<i>x</i>}Ni_{1/3}Fe_{1/3}Mn_{1/3}O₂ Cathode Material toward Safe Sodium-Ion Batteries. Chemistry of Materials, 2018, 30, 4909-4918.	6.7	64
68	Revealing the Rate-Limiting Li-Ion Diffusion Pathway in Ultrathick Electrodes for Li-Ion Batteries. Journal of Physical Chemistry Letters, 2018, 9, 5100-5104.	4.6	143
69	Internally Referenced DOSY-NMR: A Novel Analytical Method in Revealing the Solution Structure of Lithium-Ion Battery Electrolytes. Journal of Physical Chemistry Letters, 2018, 9, 3714-3719.	4.6	25
70	A Regenerative Coking and Sulfur Resistant Composite Anode with Cu Exsolution for Intermediate Temperature Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2018, 165, F629-F634.	2.9	20
71	Insights into the Distinct Lithiation/Sodiation of Porous Cobalt Oxide by in Operando Synchrotron X-ray Techniques and Ab Initio Molecular Dynamics Simulations. Nano Letters, 2017, 17, 953-962.	9.1	30
72	Selenium and Seleniumâ€"Sulfur Chemistry for Rechargeable Lithium Batteries: Interplay of Cathode Structures, Electrolytes, and Interfaces. ACS Energy Letters, 2017, 2, 605-614.	17.4	110

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73	Revisiting the Corrosion of the Aluminum Current Collector in Lithium-Ion Batteries. Journal of Physical Chemistry Letters, 2017, 8, 1072-1077.	4.6	156
74	Improved Rate Capability of Liâ€Rich Cathode Materials by Building a Li⁺â€Conductive Li_{<i>x</i>}BPO_{4+<i>x</i>/2} Nanolayer from Residual Li₂CO₃ on the Surface. ChemElectroChem, 2017, 4, 1443-1449.	3.4	19
75	Parasitic Reactions in Nanosized Silicon Anodes for Lithium-Ion Batteries. Nano Letters, 2017, 17, 1512-1519.	9.1	122
76	Tuning the Solid Electrolyte Interphase for Selective Liâ€•and Naâ€Ion Storage in Hard Carbon. Advanced Materials, 2017, 29, 1606860.	21.0	157
77	Insights into the structural effects of layered cathode materials for high voltage sodium-ion batteries. Energy and Environmental Science, 2017, 10, 1677-1693.	30.8	143
78	Solid state synthesis of layered sodium manganese oxide for sodium-ion battery by in-situ high energy X-ray diffraction and X-ray absorption near edge spectroscopy. Journal of Power Sources, 2017, 341, 114-121.	7.8	23
79	Synthetic Control of Kinetic Reaction Pathway and Cationic Ordering in Highâ€Ni Layered Oxide Cathodes. Advanced Materials, 2017, 29, 1606715.	21.0	127
80	Excess Li-Ion Storage on Reconstructed Surfaces of Nanocrystals To Boost Battery Performance. Nano Letters, 2017, 17, 6018-6026.	9.1	53
81	Mechanistic Study of Electrolyte Additives to Stabilize High-Voltage Cathodeâ€"Electrolyte Interface in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 44542-44549.	8.0	58
82	Exploring Highly Reversible 1.5-Electron Reactions (V³⁺/V⁴⁺/V⁵⁺) in Na₃VCr(PO₄)₃ Cathode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 43632-43639.	8.0	134
83	Interfacial reactions in lithium batteries. Journal Physics D: Applied Physics, 2017, 50, 303001.	2.8	13
84	In Situ Probing and Synthetic Control of Cationic Ordering in Niâ€Rich Layered Oxide Cathodes. Advanced Energy Materials, 2017, 7, 1601266.	19.5	200
85	High performance lithium-manganese-rich cathode material with reduced impurities. Nano Energy, 2017, 31, 247-257.	16.0	25
86	The role of nanotechnology in the development of battery materials for electric vehicles. Nature Nanotechnology, 2016, 11, 1031-1038.	31.5	581
87	Insight into the Capacity Fading Mechanism of Amorphous Se₂S₅ Confined in Micro/Mesoporous Carbon Matrix in Ether-Based Electrolytes. Nano Letters, 2016, 16, 2663-2673.	9.1	83
88	Nanostructured Black Phosphorus/Ketjenblackâ€"Multiwalled Carbon Nanotubes Composite as High Performance Anode Material for Sodium-Ion Batteries. Nano Letters, 2016, 16, 3955-3965.	9.1	246
89	Insights into the Effects of Zinc Doping on Structural Phase Transition of P2-Type Sodium Nickel Manganese Oxide Cathodes for High-Energy Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 22227-22237.	8.0	177
90	RuO2 nanoparticles supported on MnO2 nanorods as high efficient bifunctional electrocatalyst of lithium-oxygen battery. Nano Energy, 2016, 28, 63-70.	16.0	88

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91	In Operando XRD and TXM Study on the Metastable Structure Change of NaNi_{1/3}Fe_{1/3}Mn_{1/3}O₂ under Electrochemical Sodiumâ€•on Intercalation. Advanced Energy Materials, 2016, 6, 1601306.	19.5	147
92	Tuning of Thermal Stability in Layered Li(Ni_{<i>x</i>}Mn_{<i>y</i>}Co_{<i>z</i>})O₂. Journal of the American Chemical Society, 2016, 138, 13326-13334.	13.7	178
93	Kinetic Study of Parasitic Reactions in Lithium-Ion Batteries: A Case Study on LiNi_{0.6}Mn_{0.2}Co_{0.2}O₂. ACS Applied Materials & Interfaces, 2016, 8, 3446-3451.	8.0	88
94	Probing cation intermixing in Li₂SnO₃. RSC Advances, 2016, 6, 31559-31564.	3.6	10
95	Understanding atomic scale phenomena within the surface layer of a long-term cycled 5 V spinel electrode. Nano Energy, 2016, 19, 297-306.	16.0	18
96	A lithiumâ€“oxygen battery based on lithium superoxide. Nature, 2016, 529, 377-382.	27.8	633
97	Storage and Effective Migration of Li-Ion for Defected Î²-LiFePO₄ Phase Nanocrystals. Nano Letters, 2016, 16, 601-608.	9.1	31
98	Synthesis of full concentration gradient cathode studied by high energy X-ray diffraction. Nano Energy, 2016, 19, 522-531.	16.0	66
99	A generalized method for high throughput in-situ experiment data analysis: An example of battery materials exploration. Journal of Power Sources, 2015, 279, 246-251.	7.8	11
100	High Performance Lithium-Ion Batteries Using Fluorinated Compounds. , 2015, , 1-31.		2
101	The migration mechanism of transition metal ions in LiNi_{0.5}Mn_{1.5}O₄. Journal of Materials Chemistry A, 2015, 3, 13031-13038.	10.3	20
102	Lithiumâ€•on Batteries: A Rigid Naphthalenediimide Triangle for Organic Rechargeable Lithiumâ€•on Batteries (Adv. Mater. 18/2015). Advanced Materials, 2015, 27, 2948-2948.	21.0	1
103	PEDOT-PSS coated ZnO/C hierarchical porous nanorods as ultralong-life anode material for lithium ion batteries. Nano Energy, 2015, 18, 253-264.	16.0	89
104	An in-situ, high-energy X-ray diffraction study of the thermal stability of delithiated LiVPO4F. Journal of Power Sources, 2015, 273, 1250-1255.	7.8	18
105	Electrically Conductive Ultrananocrystalline Diamondâ€Coated Natural Graphiteâ€Copper Anode for New Long Life Lithiumâ€•on Battery. Advanced Materials, 2014, 26, 3724-3729.	21.0	51
106	Migration of Mn cations in delithiated lithium manganese oxides. Physical Chemistry Chemical Physics, 2014, 16, 20697-20702.	2.8	22
107	A XANES study of LiVPO4F: a factor analysis approach. Physical Chemistry Chemical Physics, 2014, 16, 3254.	2.8	19
108	Probing Thermally Induced Decomposition of Delithiated Li_{1.2â€“<i>x</i>}Ni_{0.15}Mn_{0.55}Co_{0.1}O₂ by in Situ High-Energy X-ray Diffraction. ACS Applied Materials & Interfaces, 2014, 6, 12692-12697.	8.0	47

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109	Differentiating allotropic LiCoO2/Li2Co2O4: A structural and electrochemical study. Journal of Power Sources, 2014, 271, 97-103.	7.8	24
110	Development of Microstrain in Aged Lithium Transition Metal Oxides. Nano Letters, 2014, 14, 4873-4880.	9.1	171
111	Formation of Li2MnO3 investigated by in situ synchrotron probes. Journal of Power Sources, 2014, 266, 341-346.	7.8	20
112	A novel multifunctional NiTi/Ag hierarchical composite. Scientific Reports, 2014, 4, 5267.	3.3	19
113	Titaniumâ€Based Anode Materials for Safe Lithiumâ€Ion Batteries. Advanced Functional Materials, 2013, 23, 959-969.	14.9	456
114	Cobalt-Free Nickel Rich Layered Oxide Cathodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 11434-11440.	8.0	236
115	Examining Hysteresis in Composite <i>x</i>Li₂MnO₃Â·(1â€“<i>x</i>)LiMO₂ Cathode Structures. Journal of Physical Chemistry C, 2013, 117, 6525-6536.	3.1	234
116	Study of Thermal Decomposition of Li_{1â€x}(Ni_{1/3}Mn_{1/3}Co_{1/3})_{0.9}O₂ Using Inâ€Situ Highâ€Energy Xâ€Ray Diffraction. Advanced Energy Materials, 2013, 3, 729-736.	19.5	48
117	In situ fabrication of porous-carbon-supported Î±-MnO2 nanorods at room temperature: application for rechargeable Liâ€“O2 batteries. Energy and Environmental Science, 2013, 6, 519.	30.8	175
118	New class of nonaqueous electrolytes for long-life and safe lithium-ion batteries. Nature Communications, 2013, 4, 1513.	12.8	115
119	Cathode Material with Nanorod Structureâ€"An Application for Advanced High-Energy and Safe Lithium Batteries. Chemistry of Materials, 2013, 25, 2109-2115.	6.7	137
120	A Novel Stretchable Coaxial NiTiâ€Sheath/Cuâ€Core Composite with High Strength and High Conductivity. Advanced Materials, 2013, 25, 1199-1202.	21.0	18
121	Nanostructured high-energy cathode materials for advanced lithium batteries. Nature Materials, 2012, 11, 942-947.	27.5	921
122	Challenges Facing Lithium Batteries and Electrical Doubleâ€Layer Capacitors. Angewandte Chemie - International Edition, 2012, 51, 9994-10024.	13.8	2,407
123	Multi-scale study of thermal stability of lithiated graphite. Energy and Environmental Science, 2011, 4, 4023.	30.8	140
124	Mechanism of capacity fade of MCMB/Li1.1[Ni1/3Mn1/3Co1/3]0.9O2 cell at elevated temperature and additives to improve its cycle life. Journal of Materials Chemistry, 2011, 21, 17754.	6.7	89
125	Solid state synthesis of LiFePO4 studied by in situ high energy X-ray diffraction. Journal of Materials Chemistry, 2011, 21, 5604.	6.7	49
126	Advanced cathode materials for lithium-ion batteries. MRS Bulletin, 2011, 36, 498-505.	3.5	40

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127	Novel functionalized electrolyte for MCMB/Li1.156Mn1.844O4 lithium-ion cells. Energy and Environmental Science, 2011, 4, 4567.	30.8	13
128	Nanostructured Anode Material for Highâ€Power Battery System in Electric Vehicles. Advanced Materials, 2010, 22, 3052-3057.	21.0	359
129	Role of surface coating on cathode materials for lithium-ion batteries. Journal of Materials Chemistry, 2010, 20, 7606.	6.7	569
130	Lithium Tetrafluoro Oxalato Phosphate as Electrolyte Additive for Lithium-Ion Cells. Electrochemical and Solid-State Letters, 2010, 13, A11.	2.2	47
131	Effect of Anion Receptor Additives on Electrochemical Performance of Lithium-Ion Batteries. Journal of Physical Chemistry C, 2010, 114, 15202-15206.	3.1	22
132	Redox shuttles for safer lithium-ion batteries. Electrochimica Acta, 2009, 54, 5605-5613.	5.2	148
133	Lithium Difluoro(oxalato)borate as Additive to Improve the Thermal Stability of Lithiated Graphite. Electrochemical and Solid-State Letters, 2009, 12, A69.	2.2	66
134	Bifunctional electrolyte additive for lithium-ion batteries. Electrochemistry Communications, 2007, 9, 703-707.	4.7	81
135	Degradation pathway of 2,5-di-tert-butyl-1,4-dimethoxybenzene at high potential. Electrochimica Acta, 2007, 53, 453-458.	5.2	14
136	Thermal and electrochemical characterization of MCMB/LiNi1/3Co1/3Mn1/3O2 using LiBoB as an electrolyte additive. Journal of Power Sources, 2007, 163, 1074-1079.	7.8	67
137	Tris(pentafluorophenyl) Borane as an Additive to Improve the Power Capabilities of Lithium-Ion Batteries. Journal of the Electrochemical Society, 2006, 153, A1221.	2.9	73
138	Electrochemical Properties of Lithium-Rich Li[sub 1+x](Mn[sub 1âˆ•3]Ni[sub 1âˆ•3]Co[sub 1âˆ•3])[sub 1âˆ'x]O[sub 2] at High Potential. Journal of the Electrochemical Society, 2006, 153, A1818.	2.9	29
139	Understanding the Stability of Aromatic Redox Shuttles for Overcharge Protection of Lithium-Ion Cells. Journal of the Electrochemical Society, 2006, 153, A2215.	2.9	34
140	Design of High-Voltage Stable Hybrid Electrolyte with an Ultrahigh Li Transference Number. ACS Energy Letters, 0, , 1315-1323.	17.4	50
141	Challenges for and Pathways toward Li-Metal-Based All-Solid-State Batteries. ACS Energy Letters, 0, , 1399-1404.	17.4	228