Linda F Nazar

List of Publications by Year
in descending order

278 papers	67,014 citations	767 119 h-index	642 256 g-index
307 all docs	307 docs citations	307 times ranked	30110 citing authors

#	Article	IF	Citations
1	High areal capacity, long cycle life 4â€‰V ceramic all-solid-state Li-ion batteries enabled by chloride solid electrolytes. Nature Energy, 2022, 7, 83-93.	39.5	249
2	Tuning the Solvation Structure in Aqueous Zinc Batteries to Maximize Zn-Ion Intercalation and Optimize Dendrite-Free Zinc Plating. ACS Energy Letters, 2022, 7, 533-540.	17.4	62
3	Exploiting the paddle-wheel mechanism for the design of fast ion conductors. Nature Reviews Materials, 2022, 7, 389-405.	48.7	83
4	Charging sustainable batteries. Nature Sustainability, 2022, 5, 176-178.	23.7	70
5	Highly reversible Zn anode with a practical areal capacity enabled by a sustainable electrolyte and superacid interfacial chemistry. Joule, 2022, 6, 1103-1120.	24.0	131
6	Enabling High Capacity and Coulombic Efficiency for Liâ€NCM811 Cells Using a Highly Concentrated Electrolyte. Batteries and Supercaps, 2021, 4, 294-303.	4.7	13
7	A High Capacity All Solidâ€State Liâ€Sulfur Battery Enabled by Conversionâ€Intercalation Hybrid Cathode Architecture. Advanced Functional Materials, 2021, 31, 2004239.	14.9	45
8	Fast Liâ€Ion Conductivity in Superadamantanoid Lithium Thioborate Halides. Angewandte Chemie, 2021, 133, 7051-7056.	2.0	2
9	Fast Liâ€Ion Conductivity in Superadamantanoid Lithium Thioborate Halides. Angewandte Chemie - International Edition, 2021, 60, 6975-6980.	13.8	15
10	The Role of Metal Substitution in Tuning Anion Redox in Sodium Metal Layered Oxides Revealed by Xâ€Ray Spectroscopy and Theory. Angewandte Chemie, 2021, 133, 10975-10982.	2.0	10
11	The Role of Metal Substitution in Tuning Anion Redox in Sodium Metal Layered Oxides Revealed by Xâ€Ray Spectroscopy and Theory. Angewandte Chemie - International Edition, 2021, 60, 10880-10887.	13.8	32
12	Coulombically-stabilized oxygen hole polarons enable fully reversible oxygen redox. Energy and Environmental Science, 2021, 14, 4858-4867.	30.8	29
13	Fast Ion-Conducting Thioboracite with a Perovskite Topology and Argyrodite-like Lithium Substructure. Journal of the American Chemical Society, 2021, 143, 6952-6961.	13.7	16
14	Innovative Approaches to Li-Argyrodite Solid Electrolytes for All-Solid-State Lithium Batteries. Accounts of Chemical Research, 2021, 54, 2717-2728.	15.6	121
15	Lithium Ytterbium-Based Halide Solid Electrolytes for High Voltage All-Solid-State Batteries. , 2021, 3, 930-938.		80
16	Inhibiting Oxygen Release from Liâ€rich, Mnâ€rich Layered Oxides at the Surface with a Solution Processable Oxygen Scavenger Polymer. Advanced Energy Materials, 2021, 11, 2100552.	19.5	64
17	Toward the Development of a High-Voltage Mg Cathode Using a Chromium Sulfide Host. , 2021, 3, 1213-1220.		12
18	Establishing a unified framework for ion solvation and transport in liquid and solid electrolytes. Trends in Chemistry, 2021, 3, 807-818.	8.5	27

#	Article	IF	Citations
19	Secondary lithium and other alkali-air batteries. , 2021, , 125-156.		0
20	Influence of Aliovalent Cation Substitution and Mechanical Compression on Li-Ion Conductivity and Diffusivity in Argyrodite Solid Electrolytes. Chemistry of Materials, 2021, 33, 146-157.	6.7	62
21	Quantifying and Suppressing Proton Intercalation to Enable Highâ€Voltage Znâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2102016.	19.5	48
22	Nanotechnology for a Sustainable Future: Addressing Global Challenges with the International Network4Sustainable Nanotechnology. ACS Nano, 2021, 15, 18608-18623.	14.6	76
23	High-Voltage Superionic Halide Solid Electrolytes for All-Solid-State Li-Ion Batteries. ACS Energy Letters, 2020, 5, 533-539.	17.4	250
24	Insights into dendrite suppression by alloys and the fabrication of a flexible alloy-polymer protected lithium metal anode. Energy Storage Materials, 2020, 32, 178-184.	18.0	45
25	High-Voltage Phosphate Cathodes for Rechargeable Ca-Ion Batteries. ACS Energy Letters, 2020, 5, 3203-3211.	17.4	65
26	Targeting Superionic Conductivity by Turning on Anion Rotation at Room Temperature in Fast Ion Conductors. Matter, 2020, 2, 1667-1684.	10.0	69
27	Design Rules for High-Valent Redox in Intercalation Electrodes. Joule, 2020, 4, 1369-1397.	24.0	80
28	Energy storage emerging: A perspective from the Joint Center for Energy Storage Research. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12550-12557.	7.1	218
29	A new halospinel superionic conductor for high-voltage all solid state lithium batteries. Energy and Environmental Science, 2020, 13, 2056-2063.	30.8	148
30	Lithiumâ€"Oxygen Batteries and Related Systems: Potential, Status, and Future. Chemical Reviews, 2020, 120, 6626-6683.	47.7	593
31	Direct Nanoâ€Synthesis Methods Notably Benefit Mgâ€Battery Cathode Performance. Small Methods, 2020, 4, 2000029.	8.6	33
32	Stable High-Temperature Cycling of Na Metal Batteries on Na₃V₂(PO₄)₃ and Na₂FeP₂O₇ Cathodes in NaFSI-Rich Organic Ionic Plastic Crystal Electrolytes. Journal of Physical Chemistry Letters, 2020, 11, 2092-2100.	4.6	27
33	A Lithium Oxythioborosilicate Solid Electrolyte Glass with Superionic Conductivity. Advanced Energy Materials, 2020, 10, 1902783.	19.5	50
34	Scientific Challenges for the Implementation of Zn-Ion Batteries. Joule, 2020, 4, 771-799.	24.0	1,164
35	Impact of the Li substructure on the diffusion pathways in alpha and beta Li₃PS₄: an in situ high temperature neutron diffraction study. Journal of Materials Chemistry A, 2020, 8, 12446-12456.	10.3	37
36	Reversible Calcium Plating and Stripping at Room Temperature Using a Borate Salt. ACS Energy Letters, 2019, 4, 2271-2276.	17.4	142

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37	New Family of Argyrodite Thioantimonate Lithium Superionic Conductors. Journal of the American Chemical Society, 2019, 141, 19002-19013.	13.7	221
38	MXene Materials as Electrodes for Lithium-Sulfur Batteries. , 2019, , 381-398.		4
39	Coupled Cationâ€"Anion Dynamics Enhances Cation Mobility in Room-Temperature Superionic Solid-State Electrolytes. Journal of the American Chemical Society, 2019, 141, 19360-19372.	13.7	91
40	Correlated Migration Invokes Higher Na⁺â€Ion Conductivity in NaSICONâ€Type Solid Electrolytes. Advanced Energy Materials, 2019, 9, 1902373.	19.5	162
41	Energy Spotlight. ACS Energy Letters, 2019, 4, 2763-2769.	17.4	1
42	An Entropically Stabilized Fast-Ion Conductor: Li_{3.25}[Si_{0.25}P_{0.75}]S₄. Chemistry of Materials, 2019, 31, 7801-7811.	6.7	62
43	Impact of the Mechanical Properties of a Functionalized Cross-Linked Binder on the Longevity of Liâ€"S Batteries. ACS Applied Materials & Interfaces, 2019, 11, 22481-22491.	8.0	22
44	Boosting Solidâ€State Diffusivity and Conductivity in Lithium Superionic Argyrodites by Halide Substitution. Angewandte Chemie, 2019, 131, 8773-8778.	2.0	44
45	Boosting Solidâ€State Diffusivity and Conductivity in Lithium Superionic Argyrodites by Halide Substitution. Angewandte Chemie - International Edition, 2019, 58, 8681-8686.	13.8	325
46	The Waterloo Institute for Nanotechnology: Societal Impact and a Sustainable Future. ACS Nano, 2019, 13, 12247-12253.	14.6	1
47	Solvent-Engineered Design of Argyrodite Li₆PS₅X (X = Cl, Br, I) Solid Electrolytes with High Ionic Conductivity. ACS Energy Letters, 2019, 4, 265-270.	17.4	207
48	Lightweight Metallic MgB2 Mediates Polysulfide Redox and Promises High-Energy-Density Lithium-Sulfur Batteries. Joule, 2019, 3, 136-148.	24.0	256
49	Aqueous vs. nonaqueous Zn-ion batteries: consequences of the desolvation penalty at the interface. Energy and Environmental Science, 2018, 11, 881-892.	30.8	604
50	Correlation of Structure and Fast Ion Conductivity in the Solid Solution Series Li_{1+2x}Zn_{1â€"x}PS₄. Chemistry of Materials, 2018, 30, 592-596.	6.7	42
51	Fe₂O₃ Nanoparticle Seed Catalysts Enhance Cyclability on Deep (Dis)charge in Aprotic Liï£¿O₂ Batteries. Advanced Energy Materials, 2018, 8, 1703513.	19.5	43
52	A 4 V Na⁺ Intercalation Material in a New Naâ€Ion Cathode Family. Advanced Energy Materials, 2018, 8, 1701729.	19.5	18
53	Na₁₁Sn₂PS₁₂: a new solid state sodium superionic conductor. Energy and Environmental Science, 2018, 11, 87-93.	30.8	222
54	NaV_{1.25}Ti_{0.75}O₄: A Potential Post-Spinel Cathode Material for Mg Batteries. Chemistry of Materials, 2018, 30, 121-128.	6.7	37

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55	Elastic and Li-ionâ€"percolating hybrid membrane stabilizes Li metal plating. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12389-12394.	7.1	49
56	Stabilizing Lithium Plating by a Biphasic Surface Layer Formed Inâ€…Situ. Angewandte Chemie - International Edition, 2018, 57, 9795-9798.	13.8	134
57	Stabilizing Lithium Plating by a Biphasic Surface Layer Formed Inâ€…Situ. Angewandte Chemie, 2018, 130, 9943-9946.	2.0	39
58	Insights into Mg²⁺ Intercalation in a Zero-Strain Material: Thiospinel Mg_xZr₂S₄. Chemistry of Materials, 2018, 30, 4683-4693.	6.7	36
59	Tuning the electrolyte network structure to invoke quasi-solid state sulfur conversion and suppress lithium dendrite formation in Liâ€"S batteries. Nature Energy, 2018, 3, 783-791.	39.5	421
60	A high-energy-density lithium-oxygen battery based on a reversible four-electron conversion to lithium oxide. Science, 2018, 361, 777-781.	12.6	356
61	Correlating Ion Mobility and Single Crystal Structure in Sodium-Ion Chalcogenide-Based Solid State Fast Ion Conductors: Na₁₁Sn₂PnS₁₂ (Pn = Sb, P). Chemistry of Materials, 2018, 30, 7413-7417.	6.7	59
62	New horizons for inorganic solid state ion conductors. Energy and Environmental Science, 2018, 11, 1945-1976.	30.8	894
63	Electrochemical performance of Na_{0.6}[Li_{0.2}Ni_{0.2}Mn_{0.6}]O₂ cathodes with high-working average voltage for Na-ion batteries. Journal of Materials Chemistry A, 2017, 5, 5858-5864.	10.3	35
64	In Situ NMR Observation of the Temporal Speciation of Lithium Sulfur Batteries during Electrochemical Cycling. Journal of Physical Chemistry C, 2017, 121, 6011-6017.	3.1	43
65	Monovalent versus Divalent Cation Diffusion in Thiospinel Ti₂S₄. Journal of Physical Chemistry Letters, 2017, 8, 2253-2257.	4.6	37
66	Inhibiting Polysulfide Shuttle in Lithiumâ€"Sulfur Batteries through Lowâ€Ionâ€Pairing Salts and a Triflamide Solvent. Angewandte Chemie - International Edition, 2017, 56, 6192-6197.	13.8	109
67	Inhibiting Polysulfide Shuttle in Lithiumâ€"Sulfur Batteries through Lowâ€Ionâ€Pairing Salts and a Triflamide Solvent. Angewandte Chemie, 2017, 129, 6288-6293.	2.0	82
68	Directing the Lithiumâ€"Sulfur Reaction Pathway via Sparingly Solvating Electrolytes for High Energy Density Batteries. ACS Central Science, 2017, 3, 605-613.	11.3	164
69	Crystallite Size Control of Prussian White Analogues for Nonaqueous Potassium-Ion Batteries. ACS Energy Letters, 2017, 2, 1122-1127.	17.4	294
70	Stabilization of Lithium Transition Metal Silicates in the Olivine Structure. Inorganic Chemistry, 2017, 56, 9931-9937.	4.0	4
71	A facile surface chemistry route to a stabilized lithium metal anode. Nature Energy, 2017, 2, .	39.5	864
72	An InÂVivo Formed Solid Electrolyte Surface Layer Enables Stable Plating of Li Metal. Joule, 2017, 1, 871-886.	24.0	271

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73	Structural Evolution and Redox Processes Involved in the Electrochemical Cycling of P2â€“Na_{0.67}[Mn_{0.66}Fe_{0.20}Cu_{0.14}]O₂. Chemistry of Materials, 2017, 29, 6684-6697.	6.7	112
74	Interwoven MXene Nanosheet/Carbonâ€Nanotube Composites as Liâ€“S Cathode Hosts. Advanced Materials, 2017, 29, 1603040.	21.0	606
75	A Comprehensive Approach toward Stable Lithiumâ€“Sulfur Batteries with High Volumetric Energy Density. Advanced Energy Materials, 2017, 7, 1601630.	19.5	277
76	Methods and Protocols for Electrochemical Energy Storage Materials Research. Chemistry of Materials, 2017, 29, 90-105.	6.7	141
77	The Nature and Impact of Side Reactions in Glymeâ€based Sodiumâ€“Oxygen Batteries. ChemSusChem, 2016, 9, 1795-1803.	6.8	76
78	Tuning Transition Metal Oxideâ€“Sulfur Interactions for Long Life Lithium Sulfur Batteries: The â€œGoldilocksâ€•Principle. Advanced Energy Materials, 2016, 6, 1501636.	19.5	623
79	Lithiumâ€Sulfur Batteries: Tuning Transition Metal Oxideâ€“Sulfur Interactions for Long Life Lithium Sulfur Batteries: The â€œGoldilocksâ€•Principle (Adv. Energy Mater. 6/2016). Advanced Energy Materials, 2016, 6, .	19.5	5
80	A high capacity thiospinel cathode for Mg batteries. Energy and Environmental Science, 2016, 9, 2273-2277.	30.8	349
81	A conditioning-free magnesium chloride complex electrolyte for rechargeable magnesium batteries. Journal of Materials Chemistry A, 2016, 4, 7160-7164.	10.3	78
82	Implications of 4 e^{â€“} Oxygen Reduction via Iodide Redox Mediation in Liâ€“O₂ Batteries. ACS Energy Letters, 2016, 1, 747-756.	17.4	145
83	Transport Properties of Polysulfide Species in Lithiumâ€“Sulfur Battery Electrolytes: Coupling of Experiment and Theory. ACS Central Science, 2016, 2, 560-568.	11.3	71
84	In Situ Monitoring of Fast Li-Ion Conductor Li₇P₃S₁₁ Crystallization Inside a Hot-Press Setup. Chemistry of Materials, 2016, 28, 6152-6165.	6.7	138
85	Direct Evidence of Solution-Mediated Superoxide Transport and Organic Radical Formation in Sodium-Oxygen Batteries. Journal of the American Chemical Society, 2016, 138, 11219-11226.	13.7	90
86	Operando Nanobeam Diffraction to Follow the Decomposition of Individual Li₂O₂ Grains in a Nonaqueous Liâ€“O₂ Battery. Journal of Physical Chemistry Letters, 2016, 7, 3388-3394.	4.6	14
87	Prussian Blue Mgï£¿Li Hybrid Batteries. Advanced Science, 2016, 3, 1600044.	11.2	89
88	Screening for positive electrodes for magnesium batteries: a protocol for studies at elevated temperatures. Chemical Communications, 2016, 52, 12458-12461.	4.1	86
89	Advances in understanding mechanisms underpinning lithiumâ€“air batteries. Nature Energy, 2016, 1, .	39.5	1,050
90	Impact of intermediate sites on bulk diffusion barriers: Mg intercalation in Mg₂Mo₃O₈. Journal of Materials Chemistry A, 2016, 4, 17643-17648.	10.3	27

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91	A high-capacity and long-life aqueous rechargeable zinc battery using a metal oxide intercalation cathode. Nature Energy, 2016, 1, .	39.5	2,167
92	Advances in lithiumâ€“sulfur batteries based on multifunctional cathodes and electrolytes. Nature Energy, 2016, 1, .	39.5	1,710
93	Improving Energy Density and Structural Stability of Manganese Oxide Cathodes for Na-Ion Batteries by Structural Lithium Substitution. Chemistry of Materials, 2016, 28, 9064-9076.	6.7	191
94	Amorphous TiS₃/S/C Composite Positive Electrodes with High Capacity for Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 2016, 163, A1730-A1735.	2.9	7
95	Layered TiS₂ Positive Electrode for Mg Batteries. ACS Energy Letters, 2016, 1, 297-301.	17.4	310
96	A graphene-like metallic cathode host for long-life and high-loading lithiumâ€“sulfur batteries. Materials Horizons, 2016, 3, 130-136.	12.2	409
97	Long-Life and High-Areal-Capacity Liâ€“S Batteries Enabled by a Light-Weight Polar Host with Intrinsic Polysulfide Adsorption. ACS Nano, 2016, 10, 4111-4118.	14.6	376
98	In Situ Reactive Assembly of Scalable Coreâ€“Shell Sulfurâ€“MnO₂ Composite Cathodes. ACS Nano, 2016, 10, 4192-4198.	14.6	351
99	Investigation of the Mechanism of Mg Insertion in Birnessite in Nonaqueous and Aqueous Rechargeable Mg-Ion Batteries. Chemistry of Materials, 2016, 28, 534-542.	6.7	287
100	A Nitrogen and Sulfur Dualâ€Doped Carbon Derived from Polyrhodanine@Cellulose for Advanced Lithiumâ€“Sulfur Batteries. Advanced Materials, 2015, 27, 6021-6028.	21.0	703
101	Uptake of CO₂ in Layered P2-Na_{0.67}Mn_{0.5}Fe_{0.5}O₂: Insertion of Carbonate Anions. Chemistry of Materials, 2015, 27, 2515-2524.	6.7	162
102	The critical role of phase-transfer catalysis in aprotic sodium oxygen batteries. Nature Chemistry, 2015, 7, 496-501.	13.6	273
103	A highly efficient polysulfide mediator for lithiumâ€“sulfur batteries. Nature Communications, 2015, 6, 5682.	12.8	1,691
104	A highly active nanostructured metallic oxide cathode for aprotic Liâ€“O₂batteries. Energy and Environmental Science, 2015, 8, 1292-1298.	30.8	213
105	Sulfur Cathodes Based on Conductive MXene Nanosheets for Highâ€Performance Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2015, 54, 3907-3911.	13.8	1,006
106	The Emerging Chemistry of Sodium Ion Batteries for Electrochemical Energy Storage. Angewandte Chemie - International Edition, 2015, 54, 3431-3448.	13.8	1,772
107	Radical or Not Radical: Revisiting Lithiumâ€“Sulfur Electrochemistry in Nonaqueous Electrolytes. Advanced Energy Materials, 2015, 5, 1401801.	19.5	270
108	Synthesis, Structure, and Na-Ion Migration in Na₄NiP₂O₇F₂: A Prospective High Voltage Positive Electrode Material for the Na-Ion Battery. Chemistry of Materials, 2015, 27, 885-891.	6.7	39

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109	Perovskiteâ€“Nitrogenâ€Doped Carbon Nanotube Composite as Bifunctional Catalysts for Rechargeable Lithiumâ€“Air Batteries. ChemSusChem, 2015, 8, 1058-1065.	6.8	92
110	Carbon Nanotube-Based Supercapacitors with Excellent ac Line Filtering and Rate Capability via Improved Interfacial Impedance. ACS Nano, 2015, 9, 7248-7255.	14.6	202
111	Structure of the high voltage phase of layered P2-Na_{2/3â^'z}[Mn_{1/2}Fe_{1/2}]O₂and the positive effect of Ni substitution on its stability. Energy and Environmental Science, 2015, 8, 2512-2523.	30.8	331
112	Direct, Soft Chemical Route to Mesoporous Metallic Lead Ruthenium Pyrochlore and Investigation of its Electrochemical Properties. Chemistry of Materials, 2015, 27, 2322-2331.	6.7	19
113	Nanostructured Metal Carbides for Aprotic Liâ€“O₂ Batteries: New Insights into Interfacial Reactions and Cathode Stability. Journal of Physical Chemistry Letters, 2015, 6, 2252-2258.	4.6	111
114	Reviewâ€"The Importance of Chemical Interactions between Sulfur Host Materials and Lithium Polysulfides for Advanced Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2015, 162, A2567-A2576.	2.9	294
115	A Highly Active Low Voltage Redox Mediator for Enhanced Rechargeability of Lithiumâ€“Oxygen Batteries. ACS Central Science, 2015, 1, 510-515.	11.3	175
116	Rational design of sulphur host materials for Liâ€“S batteries: correlating lithium polysulphide adsorptivity and self-discharge capacity loss. Chemical Communications, 2015, 51, 2308-2311.	4.1	206
117	Towards a Stable Organic Electrolyte for the Lithium Oxygen Battery. Advanced Energy Materials, 2015, 5, 1400867.	19.5	192
118	Lithium-sulfur batteries. MRS Bulletin, 2014, 39, 436-442.	3.5	284
119	Unique behaviour of nonsolvents for polysulphides in lithiumâ€“sulphur batteries. Energy and Environmental Science, 2014, 7, 2697-2705.	30.8	339
120	Li2MnSiO4/carbon nanofiber cathodes for Li-ion batteries. Ionics, 2014, 20, 1351-1359.	2.4	18
121	Electrochemical Properties of Siâ€Ge Heterostructures as an Anode Material for Lithium Ion Batteries. Advanced Functional Materials, 2014, 24, 1458-1464.	14.9	78
122	The Importance of Nanometric Passivating Films on Cathodes for Liâ€“Air Batteries. ACS Nano, 2014, 8, 12483-12493.	14.6	131
123	Nature of Li₂O₂ Oxidation in a Liâ€“O₂ Battery Revealed by Operando X-ray Diffraction. Journal of the American Chemical Society, 2014, 136, 16335-16344.	13.7	283
124	Gentle reduction of SBA-15 silica to its silicon replica with retention of morphology. RSC Advances, 2014, 4, 22048-22052.	3.6	4
125	Stable Cycling of a Scalable Graphene-Encapsulated Nanocomposite for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2014, 6, 10917-10923.	8.0	80
126	Kinetics of Oxygen Reduction in Aprotic Liâ€“O₂ Cells: A Model-Based Study. Journal of Physical Chemistry Letters, 2014, 5, 3486-3491.	4.6	48

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127	Surface-enhanced redox chemistry of polysulphides on a metallic and polar host for lithium-sulphur batteries. Nature Communications, 2014, 5, 4759.	12.8	1,122
128	Electrospun porous nanorod perovskite oxide/nitrogen-doped graphene composite as a bi-functional catalyst for metal air batteries. Nano Energy, 2014, 10, 192-200.	16.0	168
129	Bimodal Mesoporous Carbon Nanofibers with High Porosity: Freestanding and Embedded in Membranes for Lithiumâ€"Sulfur Batteries. Chemistry of Materials, 2014, 26, 3879-3886.	6.7	80
130	The effects of moisture contamination in the Li-O2 battery. Journal of Power Sources, 2014, 268, 565-574.	7.8	81
131	Sulfur Speciation in Liâ€"S Batteries Determined by Operando X-ray Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2013, 4, 3227-3232.	4.6	462
132	Tailoring Porosity in Carbon Nanospheres for Lithiumâ€"Sulfur Battery Cathodes. ACS Nano, 2013, 7, 10920-10930.	14.6	439
133	Bi-Functional N-Doped CNT/Graphene Composite as Highly Active and Durable Electrocatalyst for Metal Air Battery Applications. Journal of the Electrochemical Society, 2013, 160, A2244-A2250.	2.9	57
134	Highly Active Graphene Nanosheets Prepared via Extremely Rapid Heating as Efficient Zinc-Air Battery Electrode Material. Journal of the Electrochemical Society, 2013, 160, F910-F915.	2.9	57
135	Ultra-rapid microwave synthesis of triplite LiFeSO4F. Journal of Materials Chemistry A, 2013, 1, 2990.	10.3	43
136	Oxygen Reduction Reaction Using MnO₂Nanotubes/Nitrogen-Doped Exfoliated Graphene Hybrid Catalyst for Li-O₂Battery Applications. Journal of the Electrochemical Society, 2013, 160, A344-A350.	2.9	84
137	The Role of Catalysts and Peroxide Oxidation in Lithiumâ€"Oxygen Batteries. Angewandte Chemie - International Edition, 2013, 52, 392-396.	13.8	347
138	Fabrication of Three-Dimensional Carbon Nanotube and Metal Oxide Hybrid Mesoporous Architectures. ACS Nano, 2013, 7, 4281-4288.	14.6	72
139	Hydrothermal Synthesis and Electrochemical Properties of Li₂CoSiO₄/C Nanospheres. Chemistry of Materials, 2013, 25, 1024-1031.	6.7	44
140	Current density dependence of peroxide formation in the Liâ€"O2 battery and its effect on charge. Energy and Environmental Science, 2013, 6, 1772.	30.8	586
141	Na-ion mobility in layered Na2FePO4F and olivine Na[Fe,Mn]PO4. Energy and Environmental Science, 2013, 6, 2257.	30.8	228
142	Na_{4â€Î±}M_{2+Î±/2}(P₂O₇)₂ (2/3 â‰ Î± â‰ 7/8, M = Fe,) Tj ETQq0 0 0 rg Advanced Energy Materials, 2013, 3, 770-776.	19.5	155
143	New Approaches for High Energy Density Lithiumâ€"Sulfur Battery Cathodes. Accounts of Chemical Research, 2013, 46, 1135-1143.	15.6	1,166
144	Synthesis of a metallic mesoporous pyrochlore as a catalyst for lithiumâ€"O2 batteries. Nature Chemistry, 2012, 4, 1004-1010.	13.6	507

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145	New composite materials for lithium-ion batteries. Electrochimica Acta, 2012, 84, 145-154.	5.2	38
146	Graphene-enveloped sulfur in a one pot reaction: a cathode with good coulombic efficiency and high practical sulfur content. Chemical Communications, 2012, 48, 1233-1235.	4.1	415
147	Sodium and sodium-ion energy storage batteries. Current Opinion in Solid State and Materials Science, 2012, 16, 168-177.	11.5	1,251
148	Synthesis of monolithic mesoâ€“macroporous silica and carbon with tunable pore size. Chemical Communications, 2012, 48, 4335.	4.1	11
149	Reply to Comment on â€œPositive Electrode Materials for Li-Ion and Li-Batteriesâ€. Chemistry of Materials, 2012, 24, 2244-2245.	6.7	0
150	Anion-Induced Solid Solution Electrochemical Behavior in Iron Tavorite Phosphates. Chemistry of Materials, 2012, 24, 966-968.	6.7	19
151	Screening for Superoxide Reactivity in Li-O₂ Batteries: Effect on Li₂O₂/LiOH Crystallization. Journal of the American Chemical Society, 2012, 134, 2902-2905.	13.7	669
152	Lithium metal fluorosulfate polymorphs as positive electrodes for Li-ion batteries: synthetic strategies and effect of cation ordering. Energy and Environmental Science, 2012, 5, 6238.	30.8	62
153	Surfaceâ€Initiated Growth of Thin Oxide Coatings for Liâ€“Sulfur Battery Cathodes. Advanced Energy Materials, 2012, 2, 1490-1496.	19.5	156
154	Challenges Facing Lithium Batteries and Electrical Doubleâ€Layer Capacitors. Angewandte Chemie - International Edition, 2012, 51, 9994-10024.	13.8	2,407
155	Understanding the Nature of Absorption/Adsorption in Nanoporous Polysulfide Sorbents for the Liâ€“S Battery. Journal of Physical Chemistry C, 2012, 116, 19653-19658.	3.1	454
156	The role of vacancies and defects in Na0.44MnO2 nanowire catalysts for lithiumâ€“oxygen batteries. Energy and Environmental Science, 2012, 5, 9558.	30.8	169
157	Solvothermal synthesis of electroactive lithium iron tavorites and structure of Li2FePO4F. Journal of Materials Chemistry, 2012, 22, 4759.	6.7	49
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