Sheng Shui Zhang

List of Publications by Year
in descending order

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154 papers	19,965 citations	12322 69 h-index	10152 140 g-index
155 all docs	155 docs citations	155 times ranked	13642 citing authors

#	Article	IF	Citations
1	A review on electrolyte additives for lithium-ion batteries. Journal of Power Sources, 2006, 162, 1379-1394.	4.0	1,509
2	Liquid electrolyte lithium/sulfur battery: Fundamental chemistry, problems, and solutions. Journal of Power Sources, 2013, 231, 153-162.	4.0	1,368
3	A review on the separators of liquid electrolyte Li-ion batteries. Journal of Power Sources, 2007, 164, 351-364.	4.0	1,343
4	Role of LiNO3 in rechargeable lithium/sulfur battery. Electrochimica Acta, 2012, 70, 344-348.	2.6	836
5	Electrochemical impedance study on the low temperature of Li-ion batteries. Electrochimica Acta, 2004, 49, 1057-1061.	2.6	758
6	EIS study on the formation of solid electrolyte interface in Li-ion battery. Electrochimica Acta, 2006, 51, 1636-1640.	2.6	548
7	The low temperature performance of Li-ion batteries. Journal of Power Sources, 2003, 115, 137-140.	4.0	509
8	The effect of the charging protocol on the cycle life of a Li-ion battery. Journal of Power Sources, 2006, 161, 1385-1391.	4.0	492
9	Problems and their origins of Ni-rich layered oxide cathode materials. Energy Storage Materials, 2020, 24, 247-254.	9.5	420
10	LiBOB as Salt for Lithium-Ion Batteries:A Possible Solution for High Temperature Operation. Electrochemical and Solid-State Letters, 2002, 5, A26.	2.2	358
11	Discharge characteristic of a non-aqueous electrolyte Li/O2 battery. Journal of Power Sources, 2010, 195, 1235-1240.	4.0	353
12	Solvation Sheath of Li+in Nonaqueous Electrolytes and Its Implication of Graphite/Electrolyte Interface Chemistry. Journal of Physical Chemistry C, 2007, 111, 7411-7421.	1.5	338
13	Understanding Solid Electrolyte Interface Film Formation on Graphite Electrodes. Electrochemical and Solid-State Letters, 2001, 4, A206.	2.2	328
14	An unique lithium salt for the improved electrolyte of Li-ion battery. Electrochemistry Communications, 2006, 8, 1423-1428.	2.3	319
15	An Attempt to Formulate Nonflammable Lithium Ion Electrolytes with Alkyl Phosphates and Phosphazenes. Journal of the Electrochemical Society, 2002, 149, A622.	1.3	304
16	Effect of Discharge Cutoff Voltage on Reversibility of Lithium/Sulfur Batteries with LiNO₃-Contained Electrolyte. Journal of the Electrochemical Society, 2012, 159, A920-A923.	1.3	277
17	Study of the charging process of a LiCoO2-based Li-ion battery. Journal of Power Sources, 2006, 160, 1349-1354.	4.0	275
18	A new direction for the performance improvement of rechargeable lithium/sulfur batteries. Journal of Power Sources, 2012, 200, 77-82.	4.0	274

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19	Low temperature performance of graphite electrode in Li-ion cells. Electrochimica Acta, 2002, 48, 241-246.	2.6	249
20	A new approach toward improved low temperature performance of Li-ion battery. Electrochemistry Communications, 2002, 4, 928-932.	2.3	244
21	Aluminum corrosion in electrolyte of Li-ion battery. Journal of Power Sources, 2002, 109, 458-464.	4.0	236
22	Oxygen reduction reaction catalyst on lithium/air battery discharge performance. Journal of Materials Chemistry, 2011, 21, 10118.	6.7	216
23	Understanding of Sulfurized Polyacrylonitrile for Superior Performance Lithium/Sulfur Battery. Energies, 2014, 7, 4588-4600.	1.6	203
24	A new finding on the role of LiNO3 in lithium-sulfur battery. Journal of Power Sources, 2016, 322, 99-105.	4.0	195
25	Improved Cyclability of Liquid Electrolyte Lithium/Sulfur Batteries by Optimizing Electrolyte/Sulfur Ratio. Energies, 2012, 5, 5190-5197.	1.6	194
26	Pyrite FeS₂as an efficient adsorbent of lithium polysulphide for improved lithiumâ€“sulphur batteries. Journal of Materials Chemistry A, 2016, 4, 4371-4374.	5.2	189
27	Nonflammable Electrolytes for Li-Ion Batteries Based on a Fluorinated Phosphate. Journal of the Electrochemical Society, 2002, 149, A1079.	1.3	187
28	Syntheses and Characterization of Lithium Alkyl Mono- and Dicarbonates as Components of Surface Films in Li-Ion Batteries. Journal of Physical Chemistry B, 2006, 110, 7708-7719.	1.2	183
29	Change of Conductivity with Salt Content, Solvent Composition, and Temperature for Electrolytes of LiPF[sub 6] in Ethylene Carbonate-Ethyl Methyl Carbonate. Journal of the Electrochemical Society, 2001, 148, A1196.	1.3	175
30	Lithium Bis(oxalato)borate Stabilizes Graphite Anode in Propylene Carbonate. Electrochemical and Solid-State Letters, 2002, 5, A259.	2.2	174
31	Tris(2,2,2-trifluoroethyl) phosphite as a co-solvent for nonflammable electrolytes in Li-ion batteries. Journal of Power Sources, 2003, 113, 166-172.	4.0	169
32	LiBOB: Is it an alternative salt for lithium ion chemistry?. Journal of Power Sources, 2005, 146, 79-85.	4.0	162
33	Evaluation of Fluorinated Alkyl Phosphates as Flame Retardants in Electrolytes for Li-Ion Batteries: I. Physical and Electrochemical Properties. Journal of the Electrochemical Society, 2003, 150, A161.	1.3	161
34	Chemical Analysis of Graphite/Electrolyte Interface Formed in LiBOB-Based Electrolytes. Electrochemical and Solid-State Letters, 2003, 6, A144.	2.2	159
35	Study of poly(acrylonitrile-methyl methacrylate) as binder for graphite anode and LiMn2O4 cathode of Li-ion batteries. Journal of Power Sources, 2002, 109, 422-426.	4.0	154
36	Study of LiBF[sub 4] as an Electrolyte Salt for a Li-Ion Battery. Journal of the Electrochemical Society, 2002, 149, A586.	1.3	152

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37	Understanding of performance degradation of LiNi0.80Co0.10Mn0.10O2 cathode material operating at high potentials. Journal of Energy Chemistry, 2020, 41, 135-141.	7.1	148
38	Effect of propylene carbonate on the low temperature performance of Li-ion cells. Journal of Power Sources, 2002, 110, 216-221.	4.0	147
39	Electrochemical study of the formation of a solid electrolyte interface on graphite in a LiBC2O4F2-based electrolyte. Journal of Power Sources, 2007, 163, 713-718.	4.0	145
40	Charge and discharge characteristics of a commercial LiCoO2-based 18650 Li-ion battery. Journal of Power Sources, 2006, 160, 1403-1409.	4.0	140
41	The redox mechanism of FeS₂in non-aqueous electrolytes for lithium and sodium batteries. Journal of Materials Chemistry A, 2015, 3, 7689-7694.	5.2	137
42	Problem, Status, and Possible Solutions for Lithium Metal Anode of Rechargeable Batteries. ACS Applied Energy Materials, 2018, 1, 910-920.	2.5	135
43	An inorganic composite membrane as the separator of Li-ion batteries. Journal of Power Sources, 2005, 140, 361-364.	4.0	132
44	Low-temperature performance of Li-ion cells with a LiBF4-based electrolyte. Journal of Solid State Electrochemistry, 2003, 7, 147-151.	1.2	130
45	A proof-of-concept lithium/sulfur liquid battery with exceptionally high capacity density. Journal of Power Sources, 2012, 211, 169-172.	4.0	117
46	Evaluation of Fluorinated Alkyl Phosphates as Flame Retardants in Electrolytes for Li-Ion Batteries: II. Performance in Cell. Journal of the Electrochemical Society, 2003, 150, A170.	1.3	115
47	Identifying rate limitation and a guide to design of fastâ€charging Liâ€ion battery. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 942-949.	8.5	115
48	Formation of the Graphite/Electrolyte Interface by Lithium Bis(oxalato)borate. Electrochemical and Solid-State Letters, 2003, 6, A117.	2.2	114
49	New insight into liquid electrolyte of rechargeable lithium/sulfur battery. Electrochimica Acta, 2013, 97, 226-230.	2.6	113
50	Optimization of reaction condition for solid-state synthesis of LiFePO4-C composite cathodes. Journal of Power Sources, 2005, 147, 234-240.	4.0	109
51	Electrochemical characteristic and discharge mechanism of a primary Li/CFx cell. Journal of Power Sources, 2009, 187, 233-237.	4.0	105
52	Heteroatom-doped carbons: synthesis, chemistry and application in lithium/sulphur batteries. Inorganic Chemistry Frontiers, 2015, 2, 1059-1069.	3.0	105
53	LiPF6â€“ECâ€“EMC electrolyte for Li-ion battery. Journal of Power Sources, 2002, 107, 18-23.	4.0	102
54	A tin-plated copper substrate for efficient cycling of lithium metal in an anode-free rechargeable lithium battery. Electrochimica Acta, 2017, 258, 1201-1207.	2.6	102

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55	Understanding Formation of Solid Electrolyte Interface Film on LiMn[sub 2]O[sub 4] Electrode. Journal of the Electrochemical Society, 2002, 149, A1521.	1.3	100
56	LiBOB as Additive in LiPF[sub 6]-Based Lithium Ion Electrolytes. Electrochemical and Solid-State Letters, 2005, 8, A365.	2.2	99
57	An improved electrolyte for the LiFePO4 cathode working in a wide temperature range. Journal of Power Sources, 2006, 159, 702-707.	4.0	99
58	Enhanced performance of Li-ion cell with LiBF4-PC based electrolyte by addition of small amount of LiBOB. Journal of Power Sources, 2006, 156, 629-633.	4.0	93
59	Binder Based on Polyelectrolyte for High Capacity Density Lithium/Sulfur Battery. Journal of the Electrochemical Society, 2012, 159, A1226-A1229.	1.3	90
60	Formation of Solid Electrolyte Interface in Lithium Nickel Mixed Oxide Electrodes during the First Cycling. Electrochemical and Solid-State Letters, 2002, 5, A92.	2.2	87
61	Electrochemical impedance study of graphite/electrolyte interface formed in LiBOB/PC electrolyte. Journal of Power Sources, 2005, 143, 197-202.	4.0	84
62	Partially fluorinated solvent as a co-solvent for the non-aqueous electrolyte of Li/air battery. Journal of Power Sources, 2011, 196, 2867-2870.	4.0	82
63	How a gel polymer electrolyte affects performance of lithium/sulfur batteries. Electrochimica Acta, 2013, 114, 296-302.	2.6	82
64	Liquid/Solid Phase Diagrams of Binary Carbonates for Lithium Batteriesâ€ƒPart II. Journal of the Electrochemical Society, 2001, 148, A299.	1.3	81
65	A Thermal Stabilizer for LiPF[sub 6]-Based Electrolytes of Li-Ion Cells. Electrochemical and Solid-State Letters, 2002, 5, A206.	2.2	81
66	Evaluation on a water-based binder for the graphite anode of Li-ion batteries. Journal of Power Sources, 2004, 138, 226-231.	4.0	81
67	Graphite/Electrolyte Interface Formed in LiBOB-Based Electrolytes. Journal of the Electrochemical Society, 2004, 151, A2106.	1.3	78
68	Nonaqueous electrolytes for wide-temperature-range operation of Li-ion cells. Journal of Power Sources, 2003, 119-121, 343-348.	4.0	76
69	A non-aqueous electrolyte for the operation of Li/air battery in ambient environment. Journal of Power Sources, 2011, 196, 3906-3910.	4.0	74
70	Poly(acrylic acid) gel as a polysulphide blocking layer for high-performance lithium/sulphur battery. Journal of Materials Chemistry A, 2014, 2, 18288-18292.	5.2	70
71	Graphite/Electrolyte Interface Formed in LiBOB-Based Electrolytes. Electrochemical and Solid-State Letters, 2004, 7, A273.	2.2	69
72	Challenges and Strategies for Fast Charge of Liâ€ion Batteries. ChemElectroChem, 2020, 7, 3569-3577.	1.7	67

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73	Microporous poly(acrylonitrile-methyl methacrylate) membrane as a separator of rechargeable lithium battery. Electrochimica Acta, 2004, 49, 3339-3345.	2.6	66
74	Variations on the salt-polymer electrolyte theme for flexible solid electrolytes. Solid State Ionics, 1996, 86-88, 17-28.	1.3	63
75	Carbothermal treatment for the improved discharge performance of primary Li/CFx battery. Journal of Power Sources, 2009, 191, 648-652.	4.0	63
76	Effect of Li2CO3-coating on the performance of natural graphite in Li-ion battery. Electrochemistry Communications, 2003, 5, 979-982.	2.3	61
77	Preventing lithium dendrite-related electrical shorting in rechargeable batteries by coating separator with a Li-killing additive. Journal of Materials Chemistry A, 2018, 6, 10755-10760.	5.2	59
78	A Concept for Making Poly(ethylene oxide) Based Composite Gel Polymer Electrolyte Lithium/Sulfur Battery. Journal of the Electrochemical Society, 2013, 160, A1421-A1424.	1.3	58
79	Eliminating pre-lithiation step for making high energy density hybrid Li-ion capacitor. Journal of Power Sources, 2017, 343, 322-328.	4.0	58
80	A Novel Electrolyte Solvent for Rechargeable Lithium and Lithiumâ€ion Batteries. Journal of the Electrochemical Society, 1996, 143, 4047-4053.	1.3	57
81	Microporous gel electrolyte Li-ion battery. Journal of Power Sources, 2004, 125, 114-118.	4.0	57
82	Heat-treated metal phthalocyanine complex as an oxygen reduction catalyst for non-aqueous electrolyte Li/air batteries. Electrochimica Acta, 2011, 56, 4544-4548.	2.6	54
83	Does the sulfur cathode require good mixing for a liquid electrolyte lithium/sulfur cell?. Electrochemistry Communications, 2013, 31, 10-12.	2.3	54
84	Design aspects of electrolytes for fast charge of Liâ€ion batteries. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 125-130.	8.5	54
85	Enhancement of discharge performance of Li/CFx cell by thermal treatment of CFx cathode material. Journal of Power Sources, 2009, 188, 601-605.	4.0	52
86	Long cycle life of sodium-ion pouch cell achieved by using multiple electrolyte additives. Journal of Power Sources, 2018, 407, 173-179.	4.0	50
87	Optimization of the forming conditions of the solid-state interface in the Li-ion batteries. Journal of Power Sources, 2004, 130, 281-285.	4.0	48
88	A simple approach for superior performance of lithium/sulphur batteries modified with a gel polymer electrolyte. Journal of Materials Chemistry A, 2014, 2, 7383-7388.	5.2	47
89	Mechanism and Solution for the Capacity Fading of Li/FeS₂Battery. Journal of the Electrochemical Society, 2016, 163, A792-A797.	1.3	47
90	Enhanced Electrochemical Performance of Niâ€Rich Layered Cathode Materials by using LiPF₆ as a Cathode Additive. ChemElectroChem, 2019, 6, 1536-1541.	1.7	47

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91	Insight into the Gassing Problem of Li-ion Battery. Frontiers in Energy Research, 2014, 2, .	1.2	46
92	Cationic Conductivity of Blend Complexes Composed of Poly[oligo(oxyethylene) methacrylate] and the Alkali Metal Salts of Poly(sulfoalkyl methacrylate). Polymer Journal, 1991, 23, 73-78.	1.3	45
93	LiF Formation and Cathode Swelling in the Li/CF_x Battery. Journal of the Electrochemical Society, 2011, 158, A504-A510.	1.3	45
94	Self-discharge of Li/LixMn2O4 batteries in relation to corrosion of aluminum cathode substrates. Journal of Power Sources, 2001, 102, 16-20.	4.0	43
95	Electrochemical verification of the redox mechanism of FeS2 in a rechargeable lithium battery. Electrochimica Acta, 2015, 176, 784-789.	2.6	43
96	An in-situ enabled lithium metal battery by plating lithium on a copper current collector. Electrochemistry Communications, 2018, 89, 23-26.	2.3	42
97	Molecular and anionic polymer and oligomer systems with microdecoupled conductivities. Electrochimica Acta, 2000, 45, 1229-1236.	2.6	39
98	Li-ion cell with poly(acrylonitrile-methyl methacrylate)-based gel polymer electrolyte. Solid State Ionics, 2003, 158, 375-380.	1.3	37
99	A low temperature electrolyte for primary Li/CFx batteries. Journal of Power Sources, 2009, 188, 532-537.	4.0	36
100	Diminution of Supercooling of Electrolytes by Carbon Particles. Journal of the Electrochemical Society, 1999, 146, 3974-3980.	1.3	35
101	LiBOB-based gel electrolyte Li-ion battery for high temperature operation. Journal of Power Sources, 2006, 154, 276-280.	4.0	34
102	Aromatic isocyanate as a new type of electrolyte additive for the improved performance of Li-ion batteries. Journal of Power Sources, 2006, 163, 567-572.	4.0	34
103	Sulfurized Carbon: A Class of Cathode Materials for High Performance Lithium/Sulfur Batteries. Frontiers in Energy Research, 2013, 1, .	1.2	34
104	Pyrite FeS₂â€“C composite as a high capacity cathode material of rechargeable lithium batteries. RSC Advances, 2015, 5, 87847-87854.	1.7	34
105	Unveiling Capacity Degradation Mechanism of Liâ€ion Battery in Fastâ€charging Process. ChemElectroChem, 2020, 7, 555-560.	1.7	34
106	LiBF3Cl as an alternative salt for the electrolyte of Li-ion batteries. Journal of Power Sources, 2008, 180, 586-590.	4.0	33
107	Chemical stability and electrochemical characteristics of FeS microcrystals as the cathode material of rechargeable lithium batteries. Journal of Materials Chemistry A, 2015, 3, 12240-12246.	5.2	33
108	Rubidium and cesium ions as electrolyte additive for improving performance of hard carbon anode in sodium-ion battery. Electrochemistry Communications, 2017, 83, 20-23.	2.3	33

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109	Dualâ€Carbon Lithiumâ€Ion Capacitors: Principle, Materials, and Technologies. Batteries and Supercaps, 2020, 3, 1137-1146.	2.4	32
110	LiBOB-Based Electrolytes for Li-Ion Batteries for Transportation Applications. Journal of the Electrochemical Society, 2004, 151, A1702.	1.3	28
111	Status, Opportunities, and Challenges of Electrochemical Energy Storage. Frontiers in Energy Research, 2013, 1, .	1.2	28
112	Elemental Sulfur as a Cathode Additive for Enhanced Rate Capability of Layered Lithium Transition Metal Oxides. Journal of the Electrochemical Society, 2019, 166, A487-A492.	1.3	28
113	A high energy density lithium/sulfurâ€“oxygen hybrid battery. Journal of Power Sources, 2010, 195, 3684-3688.	4.0	27
114	Room Temperature Inorganic â€œQuasiâ€Molten Saltsâ€•as Alkaliâ€Metal Electrolytes. Journal of the Electrochemical Society, 1996, 143, 3548-3554.	1.3	26
115	Alkaline composite film as a separator for rechargeable lithium batteries. Journal of Solid State Electrochemistry, 2003, 7, 492-496.	1.2	26
116	Li-ion battery with poly(acrylonitrile-methyl methacrylate)-based microporous gel electrolyte. Solid State Ionics, 2005, 176, 41-46.	1.3	26
117	The effect of quaternary ammonium on discharge characteristic of a non-aqueous electrolyte Li/O2 battery. Electrochimica Acta, 2011, 56, 1283-1287.	2.6	26
118	A cost-effective approach for practically viable Li-ion capacitors by using Li₂S as an in situ Li-ion source material. Journal of Materials Chemistry A, 2017, 5, 14286-14293.	5.2	26
119	Single-ion conduction and lithium battery application for ionomeric cross-linking polymer. Journal of Applied Polymer Science, 1993, 48, 405-409.	1.3	25
120	Enhanced performance of natural graphite in Li-ion battery by oxalatoborate coating. Journal of Power Sources, 2004, 129, 275-279.	4.0	25
121	Additive Effect on the Electrochemical Performance of Lithiumâ€“Sulfur Battery. Electrochimica Acta, 2015, 154, 205-210.	2.6	23
122	Is Li/Graphite Half-Cell Suitable for Evaluating Lithiation Rate Capability of Graphite Electrode?. Journal of the Electrochemical Society, 2020, 167, 100510.	1.3	18
123	Pyrite FeS2 as an in-situ oxygen remover for rechargeable batteries with layered cathode materials. Journal of Power Sources, 2018, 403, 167-172.	4.0	17
124	Reformulation of Electrolyte for Enhanced Fast-Charge Capability of Li-Ion Battery. Journal of the Electrochemical Society, 2020, 167, 060527.	1.3	17
125	Effect of surface oxygen functionalities on capacitance of activated carbon in non-aqueous electrolyte. Journal of Solid State Electrochemistry, 2017, 21, 2029-2036.	1.2	14
126	Fabrication and evaluation of a polymer Li-ion battery with microporous gel electrolyte. Journal of Solid State Electrochemistry, 2005, 9, 77-82.	1.2	12

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127	Electrolytes for Lithium and Lithium-Ion Batteries. Green Energy and Technology, 2015, , 231-261.	0.4	12
128	The Puzzles in Fast Charging of Liâ€Ion Batteries. Energy and Environmental Materials, 2022, 5, 1005-1007.	7.3	12
129	Lithium-Ion Batteries and Materials. , 2017, , 449-494.		11
130	Single-ion conductivity and carrier generation of polyelectrolytes. Solid State Ionics, 1995, 76, 121-125.	1.3	10
131	Title is missing!. Journal of Applied Electrochemistry, 2003, 33, 1099-1101.	1.5	10
132	Polyacene as an Anode in Lithium Ion Batteries. Journal of the Electrochemical Society, 1993, 140, L107-L108.	1.3	9
133	Impedance study on the interface of poly electrolyte and metal sodium. Solid State Ionics, 1995, 76, 127-132.	1.3	9
134	Polyanionic electrolytes with high alkali ion conductivity. Journal of Physics Condensed Matter, 2001, 13, 8235-8243.	0.7	9
135	Efficient and stable cycling of lithium metal enabled by a conductive carbon primer layer. Sustainable Energy and Fuels, 2018, 2, 163-168.	2.5	9
136	Cationic Conductivity for Poly[Oligo(Oxyethylene) Methacrylate-co-Methacryloyl Hexylsulfonic Acid Alkali Metal Salt]. Journal of Macromolecular Science - Pure and Applied Chemistry, 1992, 29, 77-84.	1.2	8
137	Stabilizing Capacity Retention of Li-Ion Battery in Fast-Charge by Reducing Particle Size of Graphite. Journal of the Electrochemical Society, 2021, 168, 040519.	1.3	8
138	Catalytic Effect of Heat-treated Iron and Copper Phthalocyanines in Non-aqueous Electrolyte Li/air Batteries â€“ A Review. Green, 2012, 2, .	0.4	6
139	Ferroin-based solid-state electrochromic display. Solid State Ionics, 1992, 52, 287-289.	1.3	5
140	Electrical properties of the viologen-grafted poly (epichlorohydrin-co-oxyethylene). Solid State Ionics, 1993, 59, 179-181.	1.3	5
141	Manufacture and Surface Modification of Polyolefin Separator. Green Energy and Technology, 2015, , 337-352.	0.4	5
142	Oxalic Acid as a Cathode Additive Increasing Rate Capability of Ni-Rich Layered Cathode Materials. Journal of the Electrochemical Society, 2021, 168, 080512.	1.3	5
143	Challenges of Key Materials for Rechargeable Batteries. Green Energy and Technology, 2015, , 1-24.	0.4	4
144	Austen Angell's legacy in electrolyte research. Journal of Non-Crystalline Solids: X, 2022, 14, 100088.	0.5	4

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145	Synthesis and polymerization of oligo(oxyethylene) macromonomer bearing sodium sulfonate. Journal of Polymer Science Part A, 1993, 31, 2313-2318.	2.5	3
146	Additives for Functional Electrolytes of Li-Ion Batteries. Green Energy and Technology, 2015, , 263-290.	0.4	3
147	Single-Ionic Conductivityin Poly(Sodium 2-Methacryloyl 3-[Î©-Methoxyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (Oligo(O… Chemistry, 1994, 31, 543-553.	1.2	2
148	Uncovering the Root Leading to Accelerated Capacity Fade of Liâ€Ion Coin Cells in Fast Charging. Energy Technology, 2023, 11, .	1.8	2
149	Oxygen Redox Catalyst for Rechargeable Lithium-Air Battery. Green Energy and Technology, 2015, , 541-557.	0.4	0
150	Monolayer guider. Nature Energy, 2020, 5, 496-497.	19.8	0
151	How to use Nanostructured Materials Effectively in Rechargeable Lithium/Sulfur Battery. , 2014, , 867-874.		0
152	Insight into Performance Degradation of Ni-Rich Layered Cathode Materials. ECS Meeting Abstracts, 2019, , .	0.0	0
153	Problem and Simple Solutions of Layered Cathode Materials. ECS Meeting Abstracts, 2019, , .	0.0	0
154	(Keynote) Understanding Performance Degradation of Li-Ion Batteries Under Fast Charge Conditions. ECS Meeting Abstracts, 2020, MA2020-02, 618-618.	0.0	0