Nam-Soon Choi

List of Publications by Year
in descending order

137 papers	16,666 citations	20817 60 h-index	14208 128 g-index
152 all docs	152 docs citations	152 times ranked	15128 citing authors

#	Article	IF	Citations
1	Stable electrodeâ€"electrolyte interfaces constructed by fluorine- and nitrogen-donating ionic additives for high-performance lithium metal batteries. Energy Storage Materials, 2022, 45, 1-13.	18.0	62
2	Solid Electrolyte Interphase Layers by Using Lithiophilic and Electrochemically Active Ionic Additives for Lithium Metal Anodes. ACS Energy Letters, 2022, 7, 67-69.	17.4	34
3	Malonic-acid-functionalized fullerene enables the interfacial stabilization of Ni-rich cathodes in lithium-ion batteries. Journal of Power Sources, 2022, 521, 230923.	7.8	21
4	Replacing conventional battery electrolyte additives with dioxolone derivatives for high-energy-density lithium-ion batteries. Nature Communications, 2021, 12, 838.	12.8	122
5	Energy Spotlight. ACS Energy Letters, 2021, 6, 1150-1152.	17.4	0
6	An electrolyte additive capable of scavenging HF and PF5 enables fast charging of lithium-ion batteries in LiPF6-based electrolytes. Journal of Power Sources, 2020, 446, 227366.	7.8	113
7	Roomâ€Temperature Crosslinkable Natural Polymer Binder for Highâ€Rate and Stable Silicon Anodes. Advanced Functional Materials, 2020, 30, 1908433.	14.9	95
8	Fluorine-incorporated interface enhances cycling stability of lithium metal batteries with Ni-rich NCM cathodes. Nano Energy, 2020, 67, 104309.	16.0	101
9	Unanticipated Mechanism of the Trimethylsilyl Motif in Electrolyte Additives on Nickel-Rich Cathodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 43694-43704.	8.0	36
10	Dual-Functional Electrolyte Additives toward Long-Cycling Lithium-Ion Batteries: Ecofriendly Designed Carbonate Derivatives. ACS Applied Materials & Interfaces, 2020, 12, 24479-24487.	8.0	30
11	In Situ Interfacial Tuning To Obtain High-Performance Nickel-Rich Cathodes in Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 29365-29375.	8.0	12
12	Energy Spotlight. ACS Energy Letters, 2020, 5, 2454-2455.	17.4	0
13	Cyclic Aminosilaneâ€Based Additive Ensuring Stable Electrodeâ€"Electrolyte Interfaces in Liâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2000012.	19.5	91
14	Energy Spotlight. ACS Energy Letters, 2020, 5, 938-939.	17.4	0
15	An Antiaging Electrolyte Additive for Highâ€Energyâ€Density Lithiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2000563.	19.5	50
16	Electrolyte-Additive-Driven Interfacial Engineering for High-Capacity Electrodes in Lithium-Ion Batteries: Promise and Challenges. ACS Energy Letters, 2020, 5, 1537-1553.	17.4	169
17	Lithiumâ€Ion Batteries: Cyclic Aminosilaneâ€Based Additive Ensuring Stable Electrodeâ€"Electrolyte Interfaces in Liâ€Ion Batteries (Adv. Energy Mater. 15/2020). Advanced Energy Materials, 2020, 10, 2070069.	19.5	2
18	Homogeneous Li deposition through the control of carbon dot-assisted Li-dendrite morphology for high-performance Li-metal batteries. Journal of Materials Chemistry A, 2019, 7, 20325-20334.	10.3	35

#	Article	IF	Citations
19	Biomimetic Superoxide Disproportionation Catalyst for Anti-Aging Lithiumâ€“Oxygen Batteries. ACS Nano, 2019, 13, 9190-9197.	14.6	29
20	Scavenging Materials: Scavenging Materials to Stabilize LiPF₆â€Containing Carbonateâ€Based Electrolytes for Liâ€Ion Batteries (Adv. Mater. 20/2019). Advanced Materials, 2019, 31, 1970148.	21.0	8
21	Metamorphosis of Seaweeds into Multitalented Materials for Energy Storage Applications. Advanced Energy Materials, 2019, 9, 1900570.	19.5	17
22	Scavenging Materials to Stabilize LiPF₆â€Containing Carbonateâ€Based Electrolytes for Liâ€Ion Batteries. Advanced Materials, 2019, 31, e1804822.	21.0	175
23	Molecular Engineered Safer Organic Battery through the Incorporation of Flame Retarding Organophosphonate Moiety. ACS Applied Materials & Interfaces, 2018, 10, 10096-10101.	8.0	5
24	Unsymmetrical fluorinated malonatoborate as an amphoteric additive for high-energy-density lithium-ion batteries. Energy and Environmental Science, 2018, 11, 1552-1562.	30.8	154
25	Fluoroethylene Carbonate-Based Electrolyte with 1 M Sodium Bis(fluorosulfonyl)imide Enables High-Performance Sodium Metal Electrodes. ACS Applied Materials & Interfaces, 2018, 10, 15270-15280.	8.0	133
26	Foldable Electrode Architectures Based on Silverâ€Nanowireâ€Wound or Carbonâ€Nanotubeâ€Webbed Micrometerâ€Scale Fibers of Polyethylene Terephthalate Mats for Flexible Lithiumâ€Ion Batteries. Advanced Materials, 2018, 30, 1705445.	21.0	45
27	Effect of reductive cyclic carbonate additives and linear carbonate co-solvents on fast chargeability of LiNi0.6Co0.2Mn0.2O2/graphite cells. Journal of Power Sources, 2018, 400, 147-156.	7.8	68
28	Understanding voltage decay in lithium-excess layered cathode materials through oxygen-centred structural arrangement. Nature Communications, 2018, 9, 3285.	12.8	119
29	Dual-function ethyl 4,4,4-trifluorobutyrate additive for high-performance Ni-rich cathodes and stable graphite anodes. Journal of Power Sources, 2018, 396, 276-287.	7.8	48
30	Highly Stretchable Separator Membrane for Deformable Energyâ€Storage Devices. Advanced Energy Materials, 2018, 8, 1801025.	19.5	51
31	Mesoporous Germanium Anode Materials for Lithiumâ€Ion Battery with Exceptional Cycling Stability in Wide Temperature Range. Small, 2017, 13, 1603045.	10.0	65
32	Ultraconcentrated Sodium Bis(fluorosulfonyl)imide-Based Electrolytes for High-Performance Sodium Metal Batteries. ACS Applied Materials & Interfaces, 2017, 9, 3723-3732.	8.0	177
33	Mechanisms for electrochemical performance enhancement by the salt-type electrolyte additive, lithium difluoro(oxalato)borate, in high-voltage lithium-ion batteries. Journal of Power Sources, 2017, 357, 97-106.	7.8	127
34	Lithiumâ€Ion Batteries: Mesoporous Germanium Anode Materials for Lithiumâ€Ion Battery with Exceptional Cycling Stability in Wide Temperature Range (Small 13/2017). Small, 2017, 13, .	10.0	0
35	Understanding the thermal instability of fluoroethylene carbonate in LiPF 6 -based electrolytes for lithium ion batteries. Electrochimica Acta, 2017, 225, 358-368.	5.2	153
36	Interfacial Architectures Derived by Lithium Difluoro(bisoxalato) Phosphate for Lithium-Rich Cathodes with Superior Cycling Stability and Rate Capability. ChemElectroChem, 2017, 4, 3-3.	3.4	4

#	Article	IF	Citations
37	Single-step wet-chemical fabrication of sheet-type electrodes from solid-electrolyte precursors for all-solid-state lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 20771-20779.	10.3	123
38	Synergistic Effect of Partially Fluorinated Ether and Fluoroethylene Carbonate for High-Voltage Lithium-Ion Batteries with Rapid Chargeability and Dischargeability. ACS Applied Materials & Interfaces, 2017, 9, 44161-44172.	8.0	38
39	Interfacial Architectures Derived by Lithium Difluoro(bisoxalato) Phosphate for Lithiumâ€Rich Cathodes with Superior Cycling Stability and Rate Capability. ChemElectroChem, 2017, 4, 56-65.	3.4	45
40	Highly stable linear carbonate-containing electrolytes with fluoroethylene carbonate for high-performance cathodes in sodium-ion batteries. Journal of Power Sources, 2016, 320, 49-58.	7.8	91
41	Zincâ€Reduced Mesoporous TiO_{<i>x</i>} Liâ€Ion Battery Anodes with Exceptional Rate Capability and Cycling Stability. Chemistry - an Asian Journal, 2016, 11, 3382-3388.	3.3	8
42	Fluorinated Hyperbranched Cyclotriphosphazene Simultaneously Enhances the Safety and Electrochemical Performance of Highâ€Voltage Lithiumâ€Ion Batteries. ChemElectroChem, 2016, 3, 913-921.	3.4	43
43	Design of an ultra-durable silicon-based battery anode material with exceptional high-temperature cycling stability. Nano Energy, 2016, 26, 192-199.	16.0	40
44	Amphiphilic Graft Copolymers as a Versatile Binder for Various Electrodes of Highâ€Performance Lithiumâ€Ion Batteries. Small, 2016, 12, 3119-3127.	10.0	48
45	Co-intercalation of Mg²⁺ and Na⁺ in Na_{0.69}Fe₂(CN)₆ as a High-Voltage Cathode for Magnesium Batteries. ACS Applied Materials & Interfaces, 2016, 8, 8554-8560.	8.0	57
46	Multifunctional natural agarose as an alternative material for high-performance rechargeable lithium-ion batteries. Green Chemistry, 2016, 18, 2710-2716.	9.0	39
47	Exploiting chemically and electrochemically reactive phosphite derivatives for high-voltage spinel LiNi0.5Mn1.5O4 cathodes. Journal of Power Sources, 2016, 302, 22-30.	7.8	106
48	Thermally Cross-Linkable Diamino-Polyethylene Glycol Additive with Polymeric Binder for Stable Cyclability of Silicon Nanoparticle Based Negative Electrodes in Lithium Ion Batteries. Science of Advanced Materials, 2016, 8, 252-256.	0.7	6
49	A combination of lithium difluorophosphate and vinylene carbonate as reducible additives to improve cycling performance of graphite electrodes at high rates. Electrochemistry Communications, 2015, 61, 121-124.	4.7	71
50	Vinylene carbonate and tris(trimethylsilyl) phosphite hybrid additives to improve the electrochemical performance of spinel lithium manganese oxide/graphite cells at 60 Â°C. Electrochimica Acta, 2015, 173, 750-756.	5.2	23
51	High-performance silicon-based multicomponent battery anodes produced via synergistic coupling of multifunctional coating layers. Energy and Environmental Science, 2015, 8, 2075-2084.	30.8	146
52	Cost-Effective Scalable Synthesis of Mesoporous Germanium Particles <i>via</i> a Redox-Transmetalation Reaction for High-Performance Energy Storage Devices. ACS Nano, 2015, 9, 2203-2212.	14.6	59
53	A high-performance nanoporous Si/Al₂O₃ foam lithium-ion battery anode fabricated by selective chemical etching of the Alâ€“Si alloy and subsequent thermal oxidation. Chemical Communications, 2015, 51, 4429-4432.	4.1	58
54	Interfacial architectures based on a binary additive combination for high-performance Sn₄P₃ anodes in sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 8332-8338.	10.3	77

#	Article	IF	Citations
55	Recent Advances in Rechargeable Magnesium Battery Technology: A Review of the Fieldâ€™s Current Status and Prospects. Israel Journal of Chemistry, 2015, 55, 570-585.	2.3	46
56	Tunable and Robust Phosphite-Derived Surface Film to Protect Lithium-Rich Cathodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 8319-8329.	8.0	121
57	Recent advances in the electrolytes for interfacial stability of high-voltage cathodes in lithium-ion batteries. RSC Advances, 2015, 5, 2732-2748.	3.6	252
58	Novel design of silicon-based lithium-ion battery anode for highly stable cycling at elevated temperature. Journal of Materials Chemistry A, 2015, 3, 1325-1332.	10.3	36
59	SnSe alloy as a promising anode material for Na-ion batteries. Chemical Communications, 2015, 51, 50-53.	4.1	129
60	Optimization of Carbonâ€•and Binderâ€Free Au Nanoparticleâ€Coated Ni Nanowire Electrodes for Lithiumâ€Oxygen Batteries. Advanced Energy Materials, 2015, 5, 1401030.	19.5	84
61	Recent Progress on Polymeric Binders for Silicon Anodes in Lithium-Ion Batteries. Journal of Electrochemical Science and Technology, 2015, 6, 35-49.	2.2	51
62	Recent Progress on Polymeric Binders for Silicon Anodes in Lithium-Ion Batteries. Journal of Electrochemical Science and Technology, 2015, 6, 35-49.	2.2	47
63	Effect of Lithium Bis(oxalato)borate Additive on Electrochemical Performance of Li_{1.17}Ni_{0.17}Mn_{0.5}Co_{0.17}O₂Cathodes for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2014, 161, A2012-A2019.	2.9	42
64	Bifunctional Li 4 Ti 5 O 12 coating layer for the enhanced kinetics and stability of carbon anode for lithium rechargeable batteries. Journal of Alloys and Compounds, 2014, 615, 220-226.	5.5	5
65	Cyclic carbonate based-electrolytes enhancing the electrochemical performance of Na4Fe3(PO4)2(P2O7) cathodes for sodium-ion batteries. Electrochemistry Communications, 2014, 44, 74-77.	4.7	66
66	Multi-functionalities of natural polysaccharide for enhancing electrochemical performance of macroporous Si anodes. RSC Advances, 2014, 4, 3070-3074.	3.6	16
67	Tin Phosphide as a Promising Anode Material for Naâ€•Ion Batteries. Advanced Materials, 2014, 26, 4139-4144.	21.0	356
68	Control of Interfacial Layers for High-Performance Porous Si Lithium-Ion Battery Anode. ACS Applied Materials & Interfaces, 2014, 6, 16360-16367.	8.0	25
69	Thermal Reactions of Lithiated and Delithiated Sulfur Electrodes in Lithium-Sulfur Batteries. ECS Electrochemistry Letters, 2014, 3, A26-A29.	1.9	10
70	Activated natural porous silicate for a highly promising SiO_xnanostructure finely impregnated with carbon nanofibers as a high performance anode material for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 13648.	10.3	22
71	Magnesium(II) Bis(trifluoromethane sulfonyl) Imide-Based Electrolytes with Wide Electrochemical Windows for Rechargeable Magnesium Batteries. ACS Applied Materials & Interfaces, 2014, 6, 4063-4073.	8.0	398
72	A multifunctional phosphite-containing electrolyte for 5 V-class LiNi_{0.5}Mn_{1.5}O₄ cathodes with superior electrochemical performance. Journal of Materials Chemistry A, 2014, 2, 9506-9513.	10.3	185

#	ARTICLE	IF	CITATIONS
73	A bi-functional lithium difluoro(oxalato)borate additive for lithium cobalt oxide/lithium nickel manganese cobalt oxide cathodes and silicon/graphite anodes in lithium-ion batteries at elevated temperatures. Electrochimica Acta, 2014, 137, 1-8.	5.2	80
74	Effect of Lithium Bis(Oxalato)Borate Additive on Thermal Stability of Si Nanoparticle-based Anode. Journal of the Korean Electrochemical Society, 2014, 17, 79-85.	0.1	1
75	High-performance Si anodes with a highly conductive and thermally stable titanium silicide coating layer. RSC Advances, 2013, 3, 2538.	3.6	41
76	The cycling performances of lithiumâ€"sulfur batteries in TEGDME/DOL containing LiNO3 additive. Ionics, 2013, 19, 1795-1802.	2.4	35
77	Synthesis of micro-assembled Si/titanium silicide nanotube anodes for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 10617.	10.3	24
78	Bicontinuous structured silicon anode exhibiting stable cycling performance at elevated temperature. RSC Advances, 2013, 3, 21320.	3.6	27
79	Tris(pentafluorophenyl) borane-containing electrolytes for electrochemical reversibility of lithium peroxide-based electrodes in lithiumâ€"oxygen batteries. Journal of Power Sources, 2013, 225, 95-100.	7.8	20
80	Improvement in self-discharge of Zn anode by applying surface modification for Znâ€"air batteries with high energy density. Journal of Power Sources, 2013, 227, 177-184.	7.8	153
81	Functional electrolytes enhancing electrochemical performance of Snâ€"Feâ€"P alloy as anode for lithium-ion batteries. Electrochemistry Communications, 2013, 35, 72-75.	4.7	14
82	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
83	A photo-cross-linkable polymeric binder for silicon anodes in lithium ion batteries. RSC Advances, 2013, 3, 12625.	3.6	53
84	Using a lithium bis(oxalato) borate additive to improve electrochemical performance of high-voltage spinel LiNi0.5Mn1.5O4 cathodes at 60Â°C. Electrochimica Acta, 2013, 104, 170-177.	5.2	106
85	An Amorphous Red Phosphorus/Carbon Composite as a Promising Anode Material for Sodium Ion Batteries. Advanced Materials, 2013, 25, 3045-3049.	21.0	770
86	Charge carriers in rechargeable batteries: Na ions vs. Li ions. Energy and Environmental Science, 2013, 6, 2067.	30.8	712
87	Siâ€Encapsulating Hollow Carbon Electrodes via Electroless Etching for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2013, 3, 206-212.	19.5	113
88	Ion-Exchangeable Functional Binders and Separator for High Temperature Performance of Li_{1.1}Mn_{1.86}Mg_{0.04}O₄Spinel Electrodes in Lithium Ion Batteries. Journal of the Electrochemical Society, 2013, 160, A2234-A2243.	2.9	21
89	Effect of Fluoroethylene Carbonate on Electrochemical Performances of Lithium Electrodes and Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2013, 160, A873-A881.	2.9	71
90	Composites: An Amorphous Red Phosphorus/Carbon Composite as a Promising Anode Material for Sodium Ion Batteries (Adv. Mater. 22/2013). Advanced Materials, 2013, 25, 3010-3010.	21.0	9

#	Article	IF	Citations
91	Effects of Phosphorous-doping on Electrochemical Performance and Surface Chemistry of Soft Carbon Electrodes. Bulletin of the Korean Chemical Society, 2013, 34, 2029-2035.	1.9	13
92	Raman Spectroscopic and X-ray Diffraction Studies of Sulfur Composite Electrodes during Discharge and Charge. Journal of the Electrochemical Society, 2012, 159, A1308-A1314.	2.9	141
93	Trigonal Na4Ti5O12Phase as an Intercalation Host for Rechargeable Batteries. Journal of the Electrochemical Society, 2012, 159, A2016-A2023.	2.9	44
94	Highly stable Si-based multicomponent anodes for practical use in lithium-ion batteries. Energy and Environmental Science, 2012, 5, 7878.	30.8	103
95	Degradation of spinel lithium manganese oxides by low oxidation durability of LiPF6-based electrolyte at 60 Â°C. Solid State Ionics, 2012, 219, 41-48.	2.7	39
96	Challenges Facing Lithium Batteries and Electrical Doubleâ€Layer Capacitors. Angewandte Chemie - International Edition, 2012, 51, 9994-10024.	13.8	2,407
97	Sodium Terephthalate as an Organic Anode Material for Sodium Ion Batteries. Advanced Materials, 2012, 24, 3562-3567.	21.0	448
98	Chemicalâ€Assisted Thermal Disproportionation of Porous Silicon Monoxide into Siliconâ€Based Multicomponent Systems. Angewandte Chemie - International Edition, 2012, 51, 2767-2771.	13.8	95
99	A Highly Crossâ€Linked Polymeric Binder for Highâ€Performance Silicon Negative Electrodes in Lithium Ion Batteries. Angewandte Chemie - International Edition, 2012, 51, 8762-8767.	13.8	636
100	Effect of Electrolytes on Electrochemical Properties of Magnesium Electrodes. Journal of Electrochemical Science and Technology, 2012, 3, 159-164.	2.2	0
101	One dimensional Si/Sn - based nanowires and nanotubes for lithium-ion energy storage materials. Journal of Materials Chemistry, 2011, 21, 9825.	6.7	200
102	Quasi-solid-state electric double layer capacitors assembled with sulfonated poly(fluorenyl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	5.2	7
103	Metalâ€"Air Batteries with High Energy Density: Liâ€"Air versus Znâ€"Air. Advanced Energy Materials, 2011, 1, 34-50.	19.5	1,906
104	Metalâ€Air Batteries: Metalâ€"Air Batteries with High Energy Density: Liâ€"Air versus Znâ€"Air (Adv. Energy) Tj ETQq0 0 0 rgBT /Overloc	19.5	15
105	Stabilizing dimensional changes in Si-based composite electrodes by controlling the electrode porosity: An in situ electrochemical dilatometric study. Electrochimica Acta, 2011, 56, 5095-5101.	5.2	56
106	Effect of a novel amphipathic ionic liquid on lithium deposition in gel polymer electrolytes. Electrochimica Acta, 2011, 56, 7249-7255.	5.2	25
107	Improving the electrochemical properties of graphite/LiCoO2 cells in ionic liquid-containing electrolytes. Journal of Power Sources, 2010, 195, 2368-2371.	7.8	40
108	Effect of SEI on Capacity Losses of Spinel Lithium Manganese Oxide/Graphite Batteries Stored at 60Â°C. Electrochemical and Solid-State Letters, 2010, 13, A168.	2.2	88

#	Article	IF	Citations
109	Electrochemical properties of lithium vanadium oxide as an anode material for lithium-ion battery. Materials Chemistry and Physics, 2009, 116, 603-606.	4.0	43
110	A comparative study of coordination between host polymers and Li+ ions in UV-cured gel polymer electrolytes. Solid State Ionics, 2009, 180, 1204-1208.	2.7	14
111	Electrochemical and thermal properties of graphite electrodes with imidazolium- and piperidinium-based ionic liquids. Journal of Power Sources, 2009, 192, 636-643.	7.8	61
112	Enhanced thermal properties of the solid electrolyte interphase formed on graphite in an electrolyte with fluoroethylene carbonate. Electrochimica Acta, 2009, 54, 4445-4450.	5.2	144
113	Design of Non-Flammable Electrolytes for Highly Safe Lithium-Ion Battery. Journal of the Korean Electrochemical Society, 2009, 12, 203-218.	0.1	1
114	Effect of tris(methoxy diethylene glycol) borate on ionic conductivity and electrochemical stability of ethylene carbonate-based electrolyte. Electrochimica Acta, 2008, 53, 6575-6579.	5.2	26
115	Enhanced electrochemical properties of a Si-based anode using an electrochemically active polyamide imide binder. Journal of Power Sources, 2008, 177, 590-594.	7.8	143
116	The effect of ethylene carbonate on the cycling performance of a Si electrode. Solid State Ionics, 2008, 179, 2399-2405.	2.7	11
117	Thermal reactions of lithiated graphite anode in LiPF6-based electrolyte. Thermochimica Acta, 2008, 480, 10-14.	2.7	63
118	Surface layer formed on silicon thin-film electrode in lithium bis(oxalato) borate-based electrolyte. Journal of Power Sources, 2007, 172, 404-409.	7.8	109
119	Submicroporous/microporous and compatible/incompatible multi-functional dual-layer polymer electrolytes and their interfacial characteristics with lithium metal anode. Journal of Power Sources, 2006, 163, 264-268.	7.8	6
120	Effect of fluoroethylene carbonate additive on interfacial properties of silicon thin-film electrode. Journal of Power Sources, 2006, 161, 1254-1259.	7.8	554
121	Novel porous separator based on PVdF and PE non-woven matrix for rechargeable lithium batteries. Journal of Power Sources, 2005, 139, 235-241.	7.8	174
122	Electrochemical effect of coating layer on the separator based on PVdF and PE non-woven matrix. Journal of Power Sources, 2005, 146, 431-435.	7.8	35
123	Influence of tris(pentafluorophenyl) borane as an anion receptor on ionic conductivity of LiClO4-based electrolyte for lithium batteries. Electrochimica Acta, 2005, 50, 2843-2848.	5.2	32
124	A coated Nafion membrane with a PVdF copolymer/Nafion blend for direct methanol fuel cells (DMFCs). Solid State Ionics, 2005, 176, 3027-3030.	2.7	30
125	Protective coating of lithium metal electrode for interfacial enhancement with gel polymer electrolyte. Solid State Ionics, 2004, 172, 19-24.	2.7	51
126	Protective layer with oligo(ethylene glycol) borate anion receptor for lithium metal electrode stabilization. Electrochemistry Communications, 2004, 6, 1238-1242.	4.7	36

#	Article	IF	Citations
127	Proton conducting semi-IPN based on Nafion and crosslinked poly(AMPS) for direct methanol fuel cell. Electrochimica Acta, 2004, 50, 588-593.	5.2	29
128	Characteristics of PVdF copolymer/Nafion blend membrane for direct methanol fuel cell (DMFC). Electrochimica Acta, 2004, 50, 583-588.	5.2	100
129	Nanocomposite single ion conductor based on organicâ€“inorganic hybrid. Solid State Ionics, 2004, 167, 293-299.	2.7	47
130	Interfacial enhancement between lithium electrode and polymer electrolytes. Journal of Power Sources, 2003, 119-121, 610-616.	7.8	54
131	Electrochemical performance of lithium/sulfur batteries with protected Li anodes. Journal of Power Sources, 2003, 119-121, 964-972.	7.8	202
132	SINGLE ION CONDUCTOR BASED ON MODIFIED SILICA. , 2002, , .		0
133	Morphology and hydrolysis of PCL/PLLA blends compatibilized with P(LLA-co-?CL) or P(LLA-b-?CL). Journal of Applied Polymer Science, 2002, 86, 1892-1898.	2.6	92
134	Effect of silica on the interfacial stability of the PEO-based polymer electrolytes. Polymer Bulletin, 2002, 49, 63-68.	3.3	5
135	Effect of cathode binder on electrochemical properties of lithium rechargeable polymer batteries. Journal of Power Sources, 2002, 112, 61-66.	7.8	40
136	New polymer electrolytes based on PVC/PMMA blend for plastic lithium-ion batteries. Electrochimica Acta, 2001, 46, 1453-1459.	5.2	97
137	Preparation and electrochemcial characteristics of plasticized polymer electrolytes based upon a P(VdF-co-HFP)/PVAc blend. Electrochimica Acta, 2001, 46, 1581-1586.	5.2	71