List of Publications by Year in descending order

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		23567	33894
197	11,205	58	99
papers	citations	h-index	g-index
213	213	213	11053
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Nanocellulose: a promising nanomaterial for advanced electrochemical energy storage. Chemical Society Reviews, 2018, 47, 2837-2872.	38.1	586
2	All-inkjet-printed, solid-state flexible supercapacitors on paper. Energy and Environmental Science, 2016, 9, 2812-2821.	30.8	377
3	Cableâ€Type Flexible Lithium Ion Battery Based on Hollow Multiâ€Helix Electrodes. Advanced Materials, 2012, 24, 5192-5197.	21.0	331
4	Solvent-Free, Single Lithium-Ion Conducting Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 5880-5885.	13.7	284
5	Eco-friendly cellulose nanofiber paper-derived separator membranes featuring tunable nanoporous network channels for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 16618.	6.7	266
6	Closely packed SiO2 nanoparticles/poly(vinylidene fluoride-hexafluoropropylene) layers-coated polyethylene separators for lithium-ion batteries. Journal of Power Sources, 2011, 196, 6716-6722.	7.8	242
7	Progress in flexible energy storage and conversion systems, with a focus on cable-type lithium-ion batteries. Energy and Environmental Science, 2013, 6, 2414.	30.8	235
8	Bendable and Thin Sulfide Solid Electrolyte Film: A New Electrolyte Opportunity for Free-Standing and Stackable High-Energy All-Solid-State Lithium-Ion Batteries. Nano Letters, 2015, 15, 3317-3323.	9.1	233
9	Recent advances on separator membranes for lithium-ion battery applications: From porous membranes to solid electrolytes. Energy Storage Materials, 2019, 22, 346-375.	18.0	225
10	COF-Net on CNT-Net as a Molecularly Designed, Hierarchical Porous Chemical Trap for Polysulfides in Lithium–Sulfur Batteries. Nano Letters, 2016, 16, 3292-3300.	9.1	216
11	UV-curable semi-interpenetrating polymer network-integrated, highly bendable plastic crystal composite electrolytes for shape-conformable all-solid-state lithium ion batteries. Energy and Environmental Science, 2012, 5, 6491.	30.8	210
12	Effect of phase inversion on microporous structure development of Al2O3/poly(vinylidene) Tj ETQq0 0 0 rgBT /O of Power Sources, 2010, 195, 6116-6121.	verlock 10 7.8	Tf 50 307 To 209
13	Thin, Deformable, and Safetyâ€Reinforced Plastic Crystal Polymer Electrolytes for Highâ€Performance Flexible Lithiumâ€lon Batteries. Advanced Functional Materials, 2014, 24, 44-52.	14.9	195
14	Imprintable, Bendable, and Shapeâ€Conformable Polymer Electrolytes for Versatileâ€Shaped Lithiumâ€Ion Batteries. Advanced Materials, 2013, 25, 1395-1400.	21.0	183
15	Printable Solid-State Lithium-Ion Batteries: A New Route toward Shape-Conformable Power Sources with Aesthetic Versatility for Flexible Electronics. Nano Letters, 2015, 15, 5168-5177.	9.1	182
16	Nanocellulose for Energy Storage Systems: Beyond the Limits of Synthetic Materials. Advanced Materials, 2019, 31, e1804826.	21.0	181
17	Close-packed SiO2/poly(methyl methacrylate) binary nanoparticles-coated polyethylene separators for lithium-ion batteries. Journal of Power Sources, 2010, 195, 8306-8310.	7.8	179
18	Effect of microporous structure on thermal shrinkage and electrochemical performance of Al2O3/poly(vinylidene fluoride-hexafluoropropylene) composite separators for lithium-ion batteries. Journal of Membrane Science, 2010, 364, 177-182.	8.2	175

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19	A polymer electrolyte-skinned active material strategy toward high-voltage lithium ion batteries: a polyimide-coated LiNi0.5Mn1.5O4 spinel cathode material case. Energy and Environmental Science, 2012, 5, 7124.	30.8	175
20	Particle size-dependent, tunable porous structure of a SiO2/poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf for a lithium-ion battery. Journal of Materials Chemistry, 2011, 21, 14747.	50 707 Td 6.7	(fluoride-hexa 156
21	Flexible/shape-versatile, bipolar all-solid-state lithium-ion batteries prepared by multistage printing. Energy and Environmental Science, 2018, 11, 321-330.	30.8	141
22	Current Status and Challenges in Printed Batteries: Toward Form Factor-Free, Monolithic Integrated Power Sources. ACS Energy Letters, 2018, 3, 220-236.	17.4	139
23	A novel poly(vinylidene fluoride-hexafluoropropylene)/poly(ethylene terephthalate) composite nonwoven separator with phase inversion-controlled microporous structure for a lithium-ion battery. Journal of Materials Chemistry, 2010, 20, 9180.	6.7	138
24	Nanomat Li–S batteries based on all-fibrous cathode/separator assemblies and reinforced Li metal anodes: towards ultrahigh energy density and flexibility. Energy and Environmental Science, 2019, 12, 177-186.	30.8	138
25	Excellent Compatibility of Solvate Ionic Liquids with Sulfide Solid Electrolytes: Toward Favorable Ionic Contacts in Bulkâ€Type Allâ€Solidâ€State Lithiumâ€Ion Batteries. Advanced Energy Materials, 2015, 5, 1500865.	19.5	134
26	Thin and Flexible Solid Electrolyte Membranes with Ultrahigh Thermal Stability Derived from Solution-Processable Li Argyrodites for All-Solid-State Li-Ion Batteries. ACS Energy Letters, 2020, 5, 718-727.	17.4	126
27	Why Celluloseâ€Based Electrochemical Energy Storage Devices?. Advanced Materials, 2021, 33, e2000892.	21.0	125
28	Colloidal silica nanoparticle-assisted structural control of cellulose nanofiber paper separators for lithium-ion batteries. Journal of Power Sources, 2013, 242, 533-540.	7.8	123
29	Printing of wirelessly rechargeable solid-state supercapacitors for soft, smart contact lenses with continuous operations. Science Advances, 2019, 5, eaay0764.	10.3	117
30	Heterolayered, One-Dimensional Nanobuilding Block Mat Batteries. Nano Letters, 2014, 14, 5677-5686.	9.1	111
31	Heteroâ€Nanonet Rechargeable Paper Batteries: Toward Ultrahigh Energy Density and Origami Foldability. Advanced Functional Materials, 2015, 25, 6029-6040.	14.9	111
32	Monolithically integrated, photo-rechargeable portable power sources based on miniaturized Si solar cells and printed solid-state lithium-ion batteries. Energy and Environmental Science, 2017, 10, 931-940.	30.8	111
33	Mechanically compliant and lithium dendrite growth-suppressing composite polymer electrolytes for flexible lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 4949.	10.3	110
34	Revisiting polymeric single lithium-ion conductors as an organic route for all-solid-state lithium ion and metal batteries. Journal of Materials Chemistry A, 2019, 7, 1917-1935.	10.3	103
35	A self-standing, UV-cured polymer networks-reinforced plastic crystal composite electrolyte for a lithium-ion battery. Electrochimica Acta, 2011, 57, 40-45.	5.2	98
36	Functionalized Nanocellulose-Integrated Heterolayered Nanomats toward Smart Battery Separators. Nano Letters, 2016, 16, 5533-5541.	9.1	96

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37	Close-packed poly(methyl methacrylate) nanoparticle arrays-coated polyethylene separators for high-power lithium-ion polymer batteries. Journal of Power Sources, 2011, 196, 7035-7038.	7.8	91
38	Lamellar crystalline structure of hard elastic HDPE films and its influence on microporous membrane formation. Polymer, 2006, 47, 3540-3547.	3.8	86
39	Polyimide gel polymer electrolyte-nanoencapsulated LiCoO2 cathode materials for high-voltage Li-ion batteries. Electrochemistry Communications, 2010, 12, 1099-1102.	4.7	82
40	Evaporation-induced, close-packed silica nanoparticle-embedded nonwoven composite separator membranes for high-voltage/high-rate lithium-ion batteries: Advantageous effect of highly percolated, electrolyte-philic microporous architecture. Journal of Membrane Science, 2012, 415-416, 513-519.	8.2	82
41	Artificially engineered, bicontinuous anion-conducting/-repelling polymeric phases as a selective ion transport channel for rechargeable zinc–air battery separator membranes. Journal of Materials Chemistry A, 2016, 4, 3711-3720.	10.3	80
42	Inverse Opal-Inspired, Nanoscaffold Battery Separators: A New Membrane Opportunity for High-Performance Energy Storage Systems. Nano Letters, 2014, 14, 4438-4448.	9.1	77
43	A Chemically Selfâ€Charging Flexible Solidâ€State Zincâ€Ion Battery Based on VO ₂ Cathode and Polyacrylamide–Chitin Nanofiber Hydrogel Electrolyte. Advanced Energy Materials, 2021, 11, 2003902.	19.5	77
44	A novel ion-conductive protection skin based on polyimide gel polymer electrolyte: application to nanoscale coating layer of high voltage LiNi1/3Co1/3Mn1/3O2 cathode materials for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 12574.	6.7	76
45	Covalent organic framework-based ultrathin crystalline porous film: manipulating uniformity of fluoride distribution for stabilizing lithium metal anode. Journal of Materials Chemistry A, 2020, 8, 3459-3467.	10.3	75
46	Conducting Polymer-Skinned Electroactive Materials of Lithium-Ion Batteries: Ready for Monocomponent Electrodes without Additional Binders and Conductive Agents. ACS Applied Materials & Interfaces, 2014, 6, 12789-12797.	8.0	74
47	Laminar morphology development and oxygen permeability of LDPE/EVOH blends. Polymer Engineering and Science, 1997, 37, 463-475.	3.1	72
48	Ultrahigh areal number density solid-state on-chip microsupercapacitors via electrohydrodynamic jet printing. Science Advances, 2020, 6, eaaz1692.	10.3	72
49	A shape-deformable and thermally stable solid-state electrolyte based on a plastic crystal composite polymer electrolyte for flexible/safer lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 10854-10861.	10.3	68
50	Janusâ€Faced, Dualâ€Conductive/Chemically Active Battery Separator Membranes. Advanced Functional Materials, 2016, 26, 7074-7083.	14.9	67
51	A stretchable solid-state zinc ion battery based on a cellulose nanofiber–polyacrylamide hydrogel electrolyte and a Mg _{0.23} V ₂ O ₅ ·1.0H ₂ O cathode. Journal of Materials Chemistry A, 2020, 8, 18327-18337.	10.3	66
52	Two-Cation Competition in Ionic-Liquid-Modified Electrolytes for Lithium Ion Batteries. Journal of Physical Chemistry B, 2005, 109, 13663-13667.	2.6	65
53	Facile fabrication of nanoporous composite separator membranes for lithium-ion batteries: poly(methyl methacrylate) colloidal particles-embedded nonwoven poly(ethylene terephthalate). Journal of Materials Chemistry, 2011, 21, 8192.	6.7	65
54	Electrospun polyetherimide nanofiber mat-reinforced, permselective polyvinyl alcohol composite separator membranes: A membrane-driven step closer toward rechargeable zinc–air batteries. Journal of Membrane Science, 2016, 499, 526-537.	8.2	65

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55	Waterâ€Repellent Ionic Liquid Skinny Gels Customized for Aqueous Znâ€ŀon Battery Anodes. Advanced Functional Materials, 2021, 31, 2103850.	14.9	63
56	Wearable Supercapacitors Printed on Garments. Advanced Functional Materials, 2018, 28, 1705571.	14.9	62
57	Composition ratio-dependent structural evolution of SiO2/poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock for lithium-ion batteries. Electrochimica Acta, 2012, 86, 317-322.	10 Tf 50 6 5.2	667 Td (fluor 60
58	Compliant polymer network-mediated fabrication of a bendable plastic crystal polymer electrolyte for flexible lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 5224.	10.3	60
59	A new high-voltage calcium intercalation host for ultra-stable and high-power calcium rechargeable batteries. Nature Communications, 2021, 12, 3369.	12.8	59
60	30 Li ⁺ â€Accommodating Covalent Organic Frameworks as Ultralong Cyclable Highâ€Capacity Liâ€lon Battery Electrodes. Advanced Functional Materials, 2022, 32, 2108798.	14.9	59
61	Evaporation-induced self-assembled silica colloidal particle-assisted nanoporous structural evolution of poly(ethylene terephthalate) nonwoven composite separators for high-safety/high-rate lithium-ion batteries. Journal of Power Sources, 2012, 216, 42-47.	7.8	58
62	Nonflammable Lithium Metal Full Cells with Ultra-high Energy Density Based on Coordinated Carbonate Electrolytes. IScience, 2020, 23, 100844.	4.1	58
63	Hierarchical multiscale hyperporous block copolymer membranes via tunable dual-phase separation. Science Advances, 2015, 1, e1500101.	10.3	57
64	SiO2-coated polyimide nonwoven/Nafion composite membranes for proton exchange membrane fuel cells. Journal of Membrane Science, 2011, 367, 265-272.	8.2	56
65	Integration of Transparent Supercapacitors and Electrodes Using Nanostructured Metallic Glass Films for Wirelessly Rechargeable, Skin Heat Patches. Nano Letters, 2020, 20, 4872-4881.	9.1	56
66	Size controlled synthesis of Li2MnSiO4 nanoparticles: Effect of calcination temperature and carbon content for high performance lithium batteries. Journal of Colloid and Interface Science, 2011, 355, 472-477.	9.4	55
67	Restricted growth of LiMnPO4 nanoparticles evolved from a precursor seed. Journal of Power Sources, 2012, 210, 1-6.	7.8	52
68	Flexible/Rechargeable Zn–Air Batteries Based on Multifunctional Heteronanomat Architecture. ACS Applied Materials & Interfaces, 2018, 10, 22210-22217.	8.0	51
69	A single-ion conducting covalent organic framework for aqueous rechargeable Zn-ion batteries. Chemical Science, 2020, 11, 11692-11698.	7.4	51
70	Effect of Solvent–Nonsolvent Miscibility on Morphology and Electrochemical Performance of SiO ₂ /PVdFâ€HFPâ€Based Composite Separator Membranes for Safer Lithiumâ€Ion Batteries. Macromolecular Chemistry and Physics, 2010, 211, 420-425.	2.2	47
71	Cycling performance and thermal stability of lithium polymer cells assembled with ionic liquid-containing gel polymer electrolytes. Journal of Power Sources, 2011, 196, 6750-6755.	7.8	46
72	Ultrahighâ€Energyâ€Density Lithiumâ€Ion Batteries Based on a Highâ€Capacity Anode and a Highâ€Voltage Cathode with an Electroconductive Nanoparticle Shell. Advanced Energy Materials, 2014, 4, 1301542.	19.5	46

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73	Superlattice Crystals–Mimic, Flexible/Functional Ceramic Membranes: Beyond Polymeric Battery Separators. Advanced Energy Materials, 2015, 5, 1500954.	19.5	45
74	Allâ€Solidâ€State Printed Bipolar Li–S Batteries. Advanced Energy Materials, 2019, 9, 1901841.	19.5	45
75	Potential application of microporous structured poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66 high-voltage and high-power lithium-ion batteries. Electrochimica Acta, 2011, 56, 5201-5204.	57 Td (fluc 5.2	oride-hexaflu 44
76	Preparation of micro-porous gel polymer for lithium ion polymer battery. Electrochimica Acta, 2004, 50, 363-366.	5.2	43
77	Agarose-biofunctionalized, dual-electrospun heteronanofiber mats: toward metal-ion chelating battery separator membranes. Journal of Materials Chemistry A, 2015, 3, 10687-10692.	10.3	43
78	Platform for wireless pressure sensing with built-in battery and instant visualization. Nano Energy, 2019, 62, 230-238.	16.0	43
79	Ultrathin Polyimide Coating for a Spinel LiNi0.5Mn1.5O4Cathode and Its Superior Lithium Storage Properties under Elevated Temperature Conditions. Journal of the Electrochemical Society, 2013, 160, A1003-A1008.	2.9	42
80	Novel design of ultra-fast Si anodes for Li-ion batteries: crystalline Si@amorphous Si encapsulating hard carbon. Nanoscale, 2014, 6, 10604-10610.	5.6	40
81	Nanoscale Phase Separation of Sulfonated Poly(arylene ether sulfone)/Poly(ether sulfone) Semi-IPNs for DMFC Membrane Applications. Macromolecules, 2009, 42, 5244-5250.	4.8	39
82	Sulfonated SBA-15 mesoporous silica-incorporated sulfonated poly(phenylsulfone) composite membranes for low-humidity proton exchange membrane fuel cells: Anomalous behavior of humidity-dependent proton conductivity. International Journal of Hydrogen Energy, 2012, 37, 9202-9211.	7.1	39
83	Multifunctional natural agarose as an alternative material for high-performance rechargeable lithium-ion batteries. Green Chemistry, 2016, 18, 2710-2716.	9.0	39
84	Highly Flexible, Proton-Conductive Silicate Glass Electrolytes for Medium-Temperature/Low-Humidity Proton Exchange Membrane Fuel Cells. ACS Applied Materials & Interfaces, 2013, 5, 5034-5043.	8.0	38
85	Coffee-Driven Green Activation of Cellulose and Its Use for All-Paper Flexible Supercapacitors. ACS Applied Materials & amp; Interfaces, 2017, 9, 22568-22577.	8.0	38
86	High-voltage cell performance and thermal stability of nanoarchitectured polyimide gel polymer electrolyte-coated LiCoO2 cathode materials. Electrochimica Acta, 2012, 86, 346-351.	5.2	37
87	Polysulfide-Breathing/Dual-Conductive, Heterolayered Battery Separator Membranes Based on 0D/1D Mingled Nanomaterial Composite Mats. Nano Letters, 2017, 17, 2220-2228.	9.1	36
88	Standâ€Alone Intrinsically Stretchable Electronic Device Platform Powered by Stretchable Rechargeable Battery. Advanced Functional Materials, 2020, 30, 2003608.	14.9	36
89	1D Building Blocksâ€Intermingled Heteronanomats as a Platform Architecture For Highâ€Performance Ultrahigh apacity Lithiumâ€Ion Battery Cathodes. Advanced Energy Materials, 2016, 6, 1501594.	19.5	35
90	Carbonâ€Nanotubeâ€Cored Cobalt Porphyrin as a 1D Nanohybrid Strategy for Highâ€Performance Lithiumâ€Ion Battery Anodes. Advanced Functional Materials, 2019, 29, 1806937.	14.9	35

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91	Allâ€Nanomat Lithiumâ€Ion Batteries: A New Cell Architecture Platform for Ultrahigh Energy Density and Mechanical Flexibility. Advanced Energy Materials, 2017, 7, 1701099.	19.5	34
92	Control of water-channel structure and state of water in sulfonated poly(arylene ether) Tj ETQq0 0 0 rgBT /Over	lock 10 Tf 8.2	50 707 Td (su 33
)2	properties for DMFC membranes. Journal of Membrane Science, 2010, 346, 131-135.	0.2	00
93	SiO2 ceramic nanoporous substrate-reinforced sulfonated poly(arylene ether sulfone) composite membranes for proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2012, 37, 6189-6198.	7.1	32
0.4	Anomalous behavior of proton transport and dimensional stability of sulfonated poly(arylene ether) Tj ETQq0 0	0	
94	morphology. Journal of Membrane Science, 2014, 450, 235-241.	8.2	29
95	Biomimetic Superoxide Disproportionation Catalyst for Anti-Aging Lithium–Oxygen Batteries. ACS Nano, 2019, 13, 9190-9197.	14.6	29
96	A proton conductive silicate-nanoencapsulated polyimide nonwoven as a novel porous substrate for a reinforced sulfonated poly(arylene ether sulfone) composite membrane. Journal of Materials Chemistry, 2012, 22, 1634-1642.	6.7	28
97	Polyimide nonwoven fabric-reinforced, flexible phosphosilicate glass composite membranes for high-temperature/low-humidity proton exchange membrane fuel cells. Journal of Materials Chemistry, 2012, 22, 18550.	6.7	27
98	Monolithic heteronanomat paper air cathodes toward origami-foldable/rechargeable Zn–air batteries. Journal of Materials Chemistry A, 2019, 7, 24231-24238.	10.3	27
99	Monolithic heterojunction quasi-solid-state battery electrolytes based on thermodynamically immiscible dual phases. Energy and Environmental Science, 2019, 12, 559-565.	30.8	27
100	Spiderwebâ€Mimicking Anionâ€Exchanging Separators for Li–S Batteries. Advanced Functional Materials, 2018, 28, 1801422.	14.9	26
101	Singleâ€Ion Conducting Soft Electrolytes for Semiâ€Solid Lithium Metal Batteries Enabling Cell Fabrication and Operation under Ambient Conditions. Advanced Energy Materials, 2021, 11, 2101813.	19.5	26
102	A Facile Approach to Fabricate Selfâ€Standing Gelâ€Polymer Electrolytes for Flexible Lithiumâ€Ion Batteries by Exploitation of UVâ€Cured Trivalent/Monovalent Acrylate Polymer Matrices. Macromolecular Chemistry and Physics, 2011, 212, 2217-2223.	2.2	25
103	Cellulose Nanofiber/Carbon Nanotubeâ€Based Bicontinuous Ion/Electron Conduction Networks for Highâ€Performance Aqueous Znâ€ion Batteries. Small, 2020, 16, e2002837.	10.0	25
104	Anionâ€Rectifying Polymeric Single Lithiumâ€lon Conductors. Advanced Functional Materials, 2022, 32, 2107753.	14.9	25
105	Effect of compatibilizer on the crystallization, rheological, and tensile properties of LDPE/EVOH blends. Journal of Applied Polymer Science, 1998, 68, 1245-1256.	2.6	24
106	Control of nanoparticle dispersion in SPAES/SiO2 composite proton conductors and its influence on DMFC membrane performance. Electrochemistry Communications, 2009, 11, 1492-1495.	4.7	24
107	Thiol-terminated polystyrene through the reversible addition–fragmentation chain transfer technique for the preparation of gold nanoparticles and their application in organic memory devices. Reactive and Functional Polymers, 2011, 71, 187-194.	4.1	24
108	Synthesis and characterization of sulfonated poly(arylene ether sulfone) ionomers incorporating perfluorohexylene units for DMFC membranes. Macromolecular Research, 2010, 18, 352-357.	2.4	23

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109	Surface engineering of sponge-like silicon particles for high-performance lithium-ion battery anodes. Physical Chemistry Chemical Physics, 2013, 15, 7045.	2.8	23
110	An effective coupling of nanostructured Si and gel polymer electrolytes for high-performance lithium-ion battery anodes. RSC Advances, 2016, 6, 6960-6966.	3.6	23
111	Direct ultraviolet-assisted conformal coating of nanometer-thick poly(tris(2-(acryloyloxy)ethyl)) Tj ETQq1 1 0.784 Sources, 2013, 244, 389-394.	314 rgBT 7.8	/Overlock 10 22
112	Redox-homogeneous, gel electrolyte-embedded high-mass-loading cathodes for high-energy lithium metal batteries. Nature Communications, 2022, 13, 2541.	12.8	22
113	Multilayer-structured, SiO2/sulfonated poly(phenylsulfone) composite membranes for proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2012, 37, 6182-6188.	7.1	21
114	Multifunctional semi-interpenetrating polymer network-nanoencapsulated cathode materials for high-performance lithium-ion batteries. Scientific Reports, 2014, 4, 4602.	3.3	21
115	Heteromat-framed metal-organic coordination polymer anodes for high-performance lithium-ion batteries. Energy Storage Materials, 2019, 19, 130-136.	18.0	21
116	Fibrous skeletonâ€framed, flexible highâ€energyâ€density quasiâ€solidâ€state lithium metal batteries. , 2022, 1,		21
117	A Novel Water-Free Proton-Conducting Solid Electrolyte based on an Organic/Inorganic Hybrid. Advanced Materials, 2005, 17, 626-630.	21.0	20
118	Thickness-tunable polyimide nanoencapsulating layers and their influence on cell performance/thermal stability of high-voltage LiCoO2 cathode materials for lithium-ion batteries. Journal of Power Sources, 2013, 244, 442-449.	7.8	20
119	Polyimide/carbon black composite nanocoating layers as a facile surface modification strategy for high-voltage lithium ion cathode materials. Journal of Materials Chemistry A, 2013, 1, 12441.	10.3	20
120	Revisiting Surface Modification of Graphite: Dualâ€Layer Coating for Highâ€Performance Lithium Battery Anode Materials. Chemistry - an Asian Journal, 2016, 11, 1711-1717.	3.3	20
121	Ultrahighâ€Energyâ€Density Flexible Lithiumâ€Metal Full Cells based on Conductive Fibrous Skeletons. Advanced Energy Materials, 2021, 11, 2100531.	19.5	20
122	Effects of melt-extension and annealing on row-nucleated lamellar crystalline structure of HDPE films. Journal of Applied Polymer Science, 2007, 103, 3326-3333.	2.6	19
123	A facile route for growth of CNTs on Si@hard carbon for conductive agent incorporating anodes for lithium-ion batteries. Nanoscale, 2015, 7, 11286-11290.	5.6	19
124	Form factor-free, printed power sources. Energy Storage Materials, 2020, 29, 92-112.	18.0	19
125	Aqueous eutectic lithium-ion electrolytes for wide-temperature operation. Energy Storage Materials, 2021, 36, 222-228.	18.0	19
126	Effect of conducting additives on the properties of composite cathodes for lithium-ion batteries. Journal of Solid State Electrochemistry, 2010, 14, 593-597.	2.5	18

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127	Direct surface modification of high-voltage LiCoO2 cathodes by UV-cured nanothickness poly(ethylene glycol diacrylate) gel polymer electrolytes. Electrochimica Acta, 2013, 104, 249-254.	5.2	17
128	In situ hybrid Nafion/SiO2–P2O5 proton conductors for high-temperature and low-humidity proton exchange membrane fuel cells. Journal of Membrane Science, 2010, 360, 210-216.	8.2	16
129	Toward Ultrahighâ€Capacity V ₂ O ₅ Lithiumâ€Ion Battery Cathodes via Oneâ€Pot Synthetic Route from Precursors to Electrode Sheets. Advanced Materials Interfaces, 2016, 3, 1600173.	3.7	16
130	Printable Solid Electrolyte Interphase Mimic for Antioxidative Lithium Metal Electrodes. Advanced Functional Materials, 2020, 30, 2000792.	14.9	16
131	Printed Built-In Power Sources. Matter, 2020, 2, 345-359.	10.0	16
132	Performance and thermal stability of LiCoO2 cathode modified with ionic liquid. Journal of Power Sources, 2005, 146, 732-735.	7.8	15
133	SiO2 nanoparticles-coated poly(paraphenylene terephthalamide) nonwovens as reinforcing porous substrates for proton-conducting, sulfonated poly(arylene ether sulfone)-impregnated composite membranes. Solid State Ionics, 2011, 190, 30-37.	2.7	15
134	Nanoporous polymer scaffold-embedded nonwoven composite separator membranes for high-rate lithium-ion batteries. RSC Advances, 2014, 4, 54312-54321.	3.6	15
135	Reversible thixotropic gel electrolytes for safer and shape-versatile lithium-ion batteries. Journal of Power Sources, 2018, 401, 126-134.	7.8	15
136	Phase Behavior of Gel-Type Polymer Electrolytes and Its Influence on Electrochemical Properties. ChemPhysChem, 2005, 6, 49-53.	2.1	14
137	Nano-encapsulation of LiCoO2 cathodes by a novel polymer electrolyte and its influence on thermal safeties of Li-ion batteries. Electrochemistry Communications, 2008, 10, 113-117.	4.7	14
138	The feasibility of a pyrrolidinium-based ionic liquid solvent for non-graphitic carbon electrodes. Electrochemistry Communications, 2011, 13, 1256-1259.	4.7	14
139	Hydrophilicity/porous structure-tuned, SiO2/polyetherimide-coated polyimide nonwoven porous substrates for reinforced composite proton exchange membranes. Journal of Colloid and Interface Science, 2011, 362, 607-614.	9.4	13
140	Wearable Electronics: Wearable Supercapacitors Printed on Garments (Adv. Funct. Mater. 11/2018). Advanced Functional Materials, 2018, 28, 1870074.	14.9	13
141	A new water-free proton conducting membrane for high-temperature application. Journal of Power Sources, 2006, 163, 27-33.	7.8	12
142	Nano-encapsulation of graphite-based anodes by a novel polymer electrolyte and its influence on C-rate performances of Li-ion batteries. Electrochemistry Communications, 2008, 10, 1625-1628.	4.7	12
143	Tripleâ€Layer Structured Composite Separator Membranes with Dual Pore Structures and Improved Interfacial Contact for Sustainable Dye‣ensitized Solar Cells. Advanced Energy Materials, 2014, 4, 1400477.	19.5	12
144	Dual electrospray-assisted forced blending of thermodynamically immiscible polyelectrolyte mixtures. Journal of Membrane Science, 2015, 481, 28-35.	8.2	12

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#	Article	IF	CITATIONS
145	Transparent Supercapacitors: From Optical Theories to Optoelectronics Applications. Energy and Environmental Materials, 2020, 3, 265-285.	12.8	12
146	A microgrid-patterned silicon electrode as an electroactive lithium host. Energy and Environmental Science, 2022, 15, 2581-2590.	30.8	12
147	Lithium metal polymer cells assembled with gel polymer electrolytes containing ionic liquid. Current Applied Physics, 2010, 10, e97-e100.	2.4	11
148	Galvanically Replaced, Singleâ€Bodied Lithiumâ€Ion Battery Fabric Electrodes. Advanced Functional Materials, 2020, 30, 1908633.	14.9	11
149	Performances and thermal stability of LiCoO2 cathodes encapsulated by a new gel polymer electrolyte. Journal of Power Sources, 2007, 174, 480-483.	7.8	10
150	Woodâ€Derived Nanofibrillated Cellulose Hydrogel Filters for Fast and Efficient Separation of Nanoparticles. Advanced Sustainable Systems, 2019, 3, 1900063.	5.3	10
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