Li-Zhen Fan

List of Publications by Year in Descending Order

201 papers	14,186 citations	68 h-index	113 g-index
209 ext. papers	16,677 ext. citations	9.5 avg, IF	7.32 L-index

#	Paper	IF	Citations
201	Rational design of ultrathin composite solid-state electrolyte for high-performance lithium metal batteries. *Journal of Membrane Science*, **2022**, 642, 119952	9.6	4
200	Thin, flexible sulfide-based electrolyte film and its interface engineering for high performance solid-state lithium metal batteries. *Chemical Engineering Journal*, **2022**, 430, 132991	14.7	8
199	Self-Propagating Enabling High Lithium Metal Utilization Ratio Composite Anodes for Lithium Metal Batteries. *Nano Letters*, **2021**, 21, 791-797	11.5	24
198	Stress Regulation on Atomic Bonding and Ionic Diffusivity: Mechanochemical Effects in Sulfide Solid Electrolytes. *Energy & Fuels*, **2021**, 35, 10210-10218	4.1	9
197	Constructing MOF-derived CoP-NC@MXene sandwich-like composite by in-situ intercalation for enhanced lithium and sodium storage. *Journal of Materiomics*, **2021**,	6.7	1
196	Enhancing interfacial stability in solid-state lithium batteries with polymer/garnet solid electrolyte and composite cathode framework. *Journal of Energy Chemistry*, **2021**, 52, 210-217	12	35
195	Manipulating interfacial stability of LiNi0.5Co0.3Mn0.2O2 cathode with sulfide electrolyte by nanosized LLTO coating to achieve high-performance all-solid-state lithium batterie. *Journal of Energy Chemistry*, **2021**, 52, 202-209	12	19
194	Challenges and Recent Progress on Key Materials for Rechargeable Magnesium Batteries. *Advanced Energy Materials*, **2021**, 11, 2000787	21.8	51
193	High Areal Capacity Dendrite-Free Li Anode Enabled by Metal□Organic Framework-Derived Nanorod Array Modified Carbon Cloth for Solid State Li Metal Batteries. *Advanced Functional Materials*, **2021**, 31, 2001973	15.6	41
192	Enabling high-performance all-solid-state lithium batteries with high ionic conductive sulfide-based composite solid electrolyte and ex-situ artificial SEI film. *Journal of Energy Chemistry*, **2021**, 58, 17-24	12	6
191	Asymmetric Polymer Electrolyte Constructed by Metal□Organic Framework for Solid-State, Dendrite-Free Lithium Metal Battery. *Advanced Functional Materials*, **2021**, 31, 2007198	15.6	72
190	Flexible solid-state self-charging supercapacitor based on symmetric electrodes and piezo-electrolyte. *Chemical Engineering Journal*, **2021**, 406, 126825	14.7	16
189	Study the structure and electrochemical performance of BaTiO3/S electrode for magnesium-ion batteries. *Materials Letters*, **2021**, 284, 129033	3.3	4
188	Porous polymer electrolytes for long-cycle stable quasi-solid-state magnesium batteries. *Journal of Energy Chemistry*, **2021**, 59, 608-614	12	9
187	Cationic potential: An effective descriptor for rational design of layered oxides for sodium-ion batteries. *Green Energy and Environment*, **2021**, 6, 455-457	5.7	0
186	Confining ultrasmall CoP nanoparticles into nitrogen-doped porous carbon via synchronous pyrolysis and phosphorization for enhanced potassium-ion storage. *Chemical Engineering Journal*, **2021**, 413, 127508	14.7	13
185	In situ generation of a soft□tough asymmetric composite electrolyte for dendrite-free lithium metal batteries. *Journal of Materials Chemistry A*, **2021**, 9, 4018-4025	13	12

184	Boosting oxygen evolution reaction activity by tailoring MOF-derived hierarchical Co-Ni alloy nanoparticles encapsulated in nitrogen-doped carbon frameworks.. *RSC Advances*, **2021**, 11, 10874-10880	3.7	5
183	A novel gel polymer electrolyte based on trimethylolpropane trimethylacrylate/ionic liquid via in situ thermal polymerization for lithium-ion batteries. *Electrochimica Acta*, **2021**, 370, 137706	6.7	8
182	All-dry synthesis of self-supporting thin Li10GeP2S12 membrane and interface engineering for solid state lithium metal batteries. *Chemical Engineering Journal*, **2021**, 421, 129965	14.7	10
181	Research progress on construction and energy storage performance of MXene heterostructures. *Journal of Energy Chemistry*, **2021**, 62, 220-242	12	10
180	High-performance heterojunction Ti3C2/CoSe2 with both intercalation and conversion storage mechanisms for magnesium batteries. *Chemical Engineering Journal*, **2021**, 426, 130747	14.7	4
179	A three-dimensional interconnected V6O13 nest with a V5+-rich state for ultrahigh Zn ion storage. *Journal of Materials Chemistry A*, **2020**, 8, 10370-10376	13	39
178	Synthesis of two-dimensional carbide Mo2CTx MXene by hydrothermal etching with fluorides and its thermal stability. *Ceramics International*, **2020**, 46, 19550-19556	5.1	30
177	A flexible self-charging sodium-ion full battery for self-powered wearable electronics. *Journal of Materials Chemistry A*, **2020**, 8, 13267-13276	13	11
176	Sandwich structured NASICON-type electrolyte matched with sulfurized polyacrylonitrile cathode for high performance solid-state lithium-sulfur batteries. *Chemical Engineering Journal*, **2020**, 393, 124705	14.7	41
175	Can we find solution to eliminate Li penetration through solid garnet electrolytes?. *Materials Today Nano*, **2020**, 10, 100075	9.7	30
174	Batteries: Prelithiated V2C MXene: A High-Performance Electrode for Hybrid Magnesium/Lithium-Ion Batteries by Ion Cointercalation (Small 8/2020). *Small*, **2020**, 16, 2070043	11	0
173	Regulating Uniform Li Plating/Stripping via Dual-Conductive Metal-Organic Frameworks for High-Rate Lithium Metal Batteries. *Advanced Functional Materials*, **2020**, 30, 2000786	15.6	71
172	Nitrogen-rich hierarchically porous carbon foams as high-performance electrodes for lithium-based dual-ion capacitor. *Journal of Energy Chemistry*, **2020**, 48, 187-194	12	21
171	Prelithiated V C MXene: A High-Performance Electrode for Hybrid Magnesium/Lithium-Ion Batteries by Ion Cointercalation. *Small*, **2020**, 16, e1906076	11	64
170	Solvent-Free Synthesis of Thin, Flexible, Nonflammable Garnet-Based Composite Solid Electrolyte for All-Solid-State Lithium Batteries. *Advanced Energy Materials*, **2020**, 10, 1903376	21.8	168
169	Dual Polymer/Liquid Electrolyte with BaTiO3 Electrode for Magnesium Batteries. *ACS Applied Energy Materials*, **2020**, 3, 5882-5892	6.1	10
168	Mechanical failures in solid-state lithium batteries and their solution. *Wuli Xuebao/Acta Physica Sinica*, **2020**, 69, 226201	0.6	4
167	Achieving the robust immobilization of CoP nanoparticles in cellulose nanofiber network-derived carbon chemical bonding for a stable potassium ion storage.. *RSC Advances*, **2020**, 10, 44611-44623	3.7	1

166	All-solid-state sodium batteries enabled by flexible composite electrolytes and plastic-crystal interphase. *Chemical Engineering Journal*, **2020**, 384, 123233	14.7	21
165	P(VDF-HFP)-poly(sulfur-1,3-diisopropenylbenzene) functional polymer electrolyte for lithium□sulfur batteries. *Journal of Energy Chemistry*, **2020**, 46, 114-122	12	23
164	Coherent SnS2/NiS2 hetero-nanosheet arrays with fast charge transfer for enhanced sodium-ion storage. *Applied Surface Science*, **2020**, 508, 145241	6.7	20
163	High-conductivity free-standing Li6PS5Cl/poly(vinylidene difluoride) composite solid electrolyte membranes for lithium-ion batteries. *Journal of Materiomics*, **2020**, 6, 70-76	6.7	19
162	Porous film host-derived 3D composite polymer electrolyte for high-voltage solid state lithium batteries. *Energy Storage Materials*, **2020**, 26, 283-289	19.4	120
161	Hierarchical Engineering of Porous P2-Na2/3Ni1/3Mn2/3O2 Nanofibers Assembled by Nanoparticles Enables Superior Sodium-Ion Storage Cathodes. *Advanced Functional Materials*, **2020**, 30, 1907837	15.6	64
160	Self-Chargeable Flexible Solid-State Supercapacitors for Wearable Electronics. *ACS Applied Materials & Interfaces*, **2020**, 12, 44883-44891	9.5	13
159	Free-standing sulfide/polymer composite solid electrolyte membranes with high conductance for all-solid-state lithium batteries. *Energy Storage Materials*, **2020**, 25, 145-153	19.4	46
158	Single-Crystal □FeO with Engineered Exposed (001) Facet for High-Rate, Long-Cycle-Life Lithium-Ion Battery Anode. *Inorganic Chemistry*, **2019**, 58, 12724-12732	5.1	16
157	High Capacity and Superior Cyclic Performances of All-Solid-State Lithium-Sulfur Batteries Enabled by a High-Conductivity LiSnPS Solid Electrolyte. *ACS Applied Materials & Interfaces*, **2019**, 11, 36774-36781	9.5	35
156	Growth of carbon nanosheets on carbon nanotube arrays for the fabrication of three-dimensional micro-patterned supercapacitors. *Carbon*, **2019**, 155, 453-461	10.4	21
155	Realizing a High-Performance Na-Storage Cathode by Tailoring Ultrasmall NaFePOF Nanoparticles with Facilitated Reaction Kinetics. *Advanced Science*, **2019**, 6, 1900649	13.6	40
154	Solid Garnet Batteries. *Joule*, **2019**, 3, 1190-1199	27.8	230
153	Boosting fast and durable sodium-ion storage by tailoring well-shaped Na0.44MnO2 nanowires cathode. *Electrochimica Acta*, **2019**, 313, 122-130	6.7	19
152	Pursuit of a high-capacity and long-life Mg-storage cathode by tailoring sandwich-structured MXene@carbon nanosphere composites. *Journal of Materials Chemistry A*, **2019**, 7, 16712-16719	13	50
151	Intercalated Electrolyte with High Transference Number for Dendrite-Free Solid-State Lithium Batteries. *Advanced Functional Materials*, **2019**, 29, 1901047	15.6	178
150	Solid polymer electrolyte soft interface layer with 3D lithium anode for all-solid-state lithium batteries. *Energy Storage Materials*, **2019**, 17, 309-316	19.4	185
149	Two Birds with One Stone: Metal□Organic Framework Derived Micro-/Nanostructured Ni2P/Ni Hybrids Embedded in Porous Carbon for Electrocatalysis and Energy Storage. *Advanced Functional Materials*, **2019**, 29, 1901510	15.6	82

148	Early Lithium Plating Behavior in Confined Nanospace of 3D Lithiophilic Carbon Matrix for Stable Solid-State Lithium Metal Batteries. *Small*, **2019**, 15, e1904216	11	44
147	Solid-state lithium metal batteries enabled with high loading composite cathode materials and ceramic-based composite electrolytes. *Journal of Power Sources*, **2019**, 442, 227230	8.9	35
146	A scalable bio-inspired polydopamine-Cu ion interfacial layer for high-performance lithium metal anode. *Nano Research*, **2019**, 12, 2919-2924	10	10
145	Chemical Energy Release Driven Lithiophilic Layer on 1 m Commercial Brass Mesh toward Highly Stable Lithium Metal Batteries. *Nano Letters*, **2019**, 19, 1832-1837	11.5	82
144	Effect of oxygen-containing functional groups in epoxy/reduced graphene oxide composite coatings on corrosion protection and antimicrobial properties. *Applied Surface Science*, **2018**, 448, 351-361	6.7	55
143	3D porous binary-heteroatom doped carbon nanosheet/electrochemically exfoliated graphene hybrids for high performance flexible solid-state supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 8750-8756	13	31
142	Poly(ethylene carbonate)-based electrolytes with high concentration Li salt for all-solid-state lithium batteries. *Rare Metals*, **2018**, 37, 488-496	5.5	20
141	3D Flexible Carbon Felt Host for Highly Stable Sodium Metal Anodes. *Advanced Energy Materials*, **2018**, 8, 1702764	21.8	207
140	High rate integrated quasi-solid state supercapacitors based on nitrogen-enriched active carbon fiber/reduced graphene oxide nanocomposite. *Carbon*, **2018**, 130, 196-205	10.4	29
139	3D Fiber-Network-Reinforced Bicontinuous Composite Solid Electrolyte for Dendrite-free Lithium Metal Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 7069-7078	9.5	200
138	Self-standing Na-storage anode of Fe2O3 nanodots encapsulated in porous N-doped carbon nanofibers with ultra-high cyclic stability. *Nano Research*, **2018**, 11, 4026-4037	10	35
137	PEO/garnet composite electrolytes for solid-state lithium batteries: From "ceramic-in-polymer" to "polymer-in-ceramic" *Nano Energy*, **2018**, 46, 176-184	17.1	672
136	Co2P nanoparticles encapsulated in 3D porous N-doped carbon nanosheet networks as an anode for high-performance sodium-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 2139-2147	13	77
135	Reverse microemulsion synthesis of nickel-cobalt hexacyanoferrate/reduced graphene oxide nanocomposites for high-performance supercapacitors and sodium ion batteries. *Applied Surface Science*, **2018**, 434, 1285-1292	6.7	56
134	Facile synthesis of three-dimensional porous carbon networks for highly stable sodium storage. *Ionics*, **2018**, 24, 3065-3073	2.7	3
133	Immobilization of tungsten disulfide nanosheets on active carbon fibers as electrode materials for high performance quasi-solid-state asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 7835-7841	13	27
132	Dendrite-free Li metal deposition in all-solid-state lithium sulfur batteries with polymer-in-salt polysiloxane electrolyte. *Energy Storage Materials*, **2018**, 15, 37-45	19.4	145
131	In situ synthesis of a highly active Na2Ti3O7 nanosheet on an activated carbon fiber as an anode for high-energy density supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 16186-16195	13	42

130	Flexible poly(ethylene carbonate)/garnet composite solid electrolyte reinforced by poly(vinylidene fluoride-hexafluoropropylene) for lithium metal batteries. *Journal of Power Sources*, **2018**, 392, 232-238	8.9	81
129	Biowaste-derived 3D honeycomb-like porous carbon with binary-heteroatom doping for high-performance flexible solid-state supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 160-166	13	106
128	High-performance all-solid-state lithium–sulfur batteries with sulfur/carbon nano-hybrids in a composite cathode. *Journal of Materials Chemistry A*, **2018**, 6, 23345-23356	13	30
127	MOF-derived and nitrogen-doped ZnSe polyhedra encapsulated by reduced graphene oxide as the anode for lithium and sodium storage. *Journal of Materials Chemistry A*, **2018**, 6, 23621-23627	13	71
126	Approaching the Downsizing Limit of Maricite NaFePO4 toward High-Performance Cathode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1801917	15.6	92
125	Dendrite-free Na metal plating/stripping onto 3D porous Cu hosts. *Energy Storage Materials*, **2018**, 15, 274-281	19.4	77
124	Tin nanoparticles embedded in porous N-doped graphene-like carbon network as high-performance anode material for lithium-ion batteries. *Journal of Alloys and Compounds*, **2017**, 699, 730-737	5.7	27
123	Flexible Graphene-Based Composite Films for Supercapacitors with Tunable Areal Capacitance. *Electrochimica Acta*, **2017**, 235, 233-241	6.7	16
122	Three-dimensional porous graphene-encapsulated CNT@SnO2 composite for high-performance lithium and sodium storage. *Electrochimica Acta*, **2017**, 230, 212-221	6.7	77
121	Three-dimensional porous carbon-coated graphene composite as high-stable and long-life anode for sodium-ion batteries. *Chemical Engineering Journal*, **2017**, 316, 645-654	14.7	41
120	A wearable microwave absorption cloth. *Journal of Materials Chemistry C*, **2017**, 5, 2432-2441	7.1	74
119	Prestoring Lithium into Stable 3D Nickel Foam Host as Dendrite-Free Lithium Metal Anode. *Advanced Functional Materials*, **2017**, 27, 1700348	15.6	500
118	Research and application progress on key materials for sodium-ion batteries. *Sustainable Energy and Fuels*, **2017**, 1, 986-1006	5.8	55
117	A free-standing and thermostable polymer/plastic crystal electrolyte for all-solid-state lithium batteries. *Ionics*, **2017**, 23, 3339-3345	2.7	5
116	Graphene and polydopamine double-wrapped porous carbon-sulfur cathode materials for lithium-sulfur batteries with high capacity and cycling stability. *Ionics*, **2017**, 23, 3329-3337	2.7	3
115	Graphene highly scattered in porous carbon nanofibers: a binder-free and high-performance anode for sodium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 1698-1705	13	75
114	A simple strategy toward hierarchically porous graphene/nitrogen-rich carbon foams for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 24178-24184	13	29
113	Red phosphorus nanoparticles embedded in porous N-doped carbon nanofibers as high-performance anode for sodium-ion batteries. *Energy Storage Materials*, **2017**, 9, 170-178	19.4	103

112	Hierarchical porous NiCo2S4-rGO composites for high-performance supercapacitors. *Electrochimica Acta*, **2017**, 249, 1-8	6.7	78
111	Batteries: Prestoring Lithium into Stable 3D Nickel Foam Host as Dendrite-Free Lithium Metal Anode (Adv. Funct. Mater. 24/2017). *Advanced Functional Materials*, **2017**, 27,	15.6	4
110	MOF-derived CoSe2 microspheres with hollow interiors as high-performance electrocatalysts for the enhanced oxygen evolution reaction. *Journal of Materials Chemistry A*, **2017**, 5, 15310-15314	13	123
109	Enhanced Interface Stability of Polymer Electrolytes Using Organic Cage-Type Cucurbit[6]uril for Lithium Metal Batteries. *Journal of the Electrochemical Society*, **2017**, 164, A1834-A1840	3.9	15
108	Assembly of graphene aerogels into the 3D biomass-derived carbon frameworks on conductive substrates for flexible supercapacitors. *Carbon*, **2017**, 111, 658-666	10.4	83
107	Graphene intercalated in graphene-like MoS2: A promising cathode for rechargeable Mg batteries. *Journal of Power Sources*, **2017**, 340, 104-110	8.9	54
106	Anisotropic Slippery Surfaces: Electric-Driven Smart Control of a Drop's Slide. *Advanced Materials*, **2016**, 28, 6999-7007	24	93
105	Strong and thermostable polymeric graphene/silica textile for lightweight practical microwave absorption composites. *Carbon*, **2016**, 100, 109-117	10.4	160
104	Biomass derivative/graphene aerogels for binder-free supercapacitors. *Energy Storage Materials*, **2016**, 3, 113-122	19.4	58
103	Hierarchical porous reduced graphene oxide/SnO 2 networks as highly stable anodes for lithium-ion batteries. *Electrochimica Acta*, **2016**, 207, 9-15	6.7	57
102	Confined Porous Graphene/SnOx Frameworks within Polyaniline-Derived Carbon as Highly Stable Lithium-Ion Battery Anodes. *ACS Applied Materials & Interfaces*, **2016**, 8, 13410-7	9.5	32
101	Double carbon decorated lithium titanate as anode material with high rate performance for lithium-ion batteries. *Progress in Natural Science: Materials International*, **2016**, 26, 283-288	3.6	8
100	Surfactant-mediated synthesis of ZnCo2O4 powders as a high-performance anode material for Li-ion batteries. *Ionics*, **2015**, 21, 623-628	2.7	8
99	Scalable fabrication of exceptional 3D carbon networks for supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 16104-16111	13	49
98	Flexible, high-voltage and free-standing composite polymer electrolyte membrane based on triethylene glycol diacetate-2-propenoic acid butyl ester copolymer for lithium-ion batteries. *Journal of Membrane Science*, **2015**, 492, 490-496	9.6	32
97	Effect of polyacrylonitrile on triethylene glycol diacetate-2-propenoic acid butyl ester gel polymer electrolytes with interpenetrating crosslinked network for flexible lithium ion batteries. *Journal of Power Sources*, **2015**, 295, 139-148	8.9	35
96	Facile fabrication of polyacrylonitrile/alumina composite membranes based on triethylene glycol diacetate-2-propenoic acid butyl ester gel polymer electrolytes for high-voltage lithium-ion batteries. *Journal of Membrane Science*, **2015**, 486, 21-28	9.6	60
95	Tuning three-dimensional textures with graphene aerogels for ultra-light flexible graphene/texture composites of effective electromagnetic shielding. *Carbon*, **2015**, 93, 151-160	10.4	171

94	Alcohol-dependent environments for fabricating graphene aerogels toward supercapacitors. *Electrochimica Acta*, **2015**, 173, 1-6	6.7	15
93	Interconnected TiOx/carbon hybrid framework incorporated silicon for stable lithium ion battery anodes. *Journal of Materials Chemistry A*, **2015**, 3, 12709-12717	13	23
92	Engineering graphene aerogels with porous carbon of large surface area for flexible all-solid-state supercapacitors. *Electrochimica Acta*, **2015**, 165, 92-97	6.7	36
91	In situ electric-driven reversible switching of water-droplet adhesion on a superhydrophobic surface. *Journal of Materials Chemistry A*, **2015**, 3, 23699-23706	13	46
90	Tuning broadband microwave absorption via highly conductive Fe3O4/graphene heterostructural nanofillers. *Materials Research Bulletin*, **2015**, 72, 316-323	5.1	50
89	Highly stable GeOx@C core□shell fibrous anodes for improved capacity in lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 19907-19912	13	31
88	Enhanced electrochemical performance of Li4Ti5O12 as anode material for lithium-ion batteries with different carbons as support. *Journal of Alloys and Compounds*, **2015**, 646, 189-194	5.7	22
87	Hollow Core-Shell SnO2/C Fibers as Highly Stable Anodes for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 21472-8	9.5	116
86	Facile Fabrication of Binder-free Metallic Tin Nanoparticle/Carbon Nanofiber Hybrid Electrodes for Lithium-ion Batteries. *Electrochimica Acta*, **2015**, 153, 468-475	6.7	43
85	Magnetic and conductive graphene papers toward thin layers of effective electromagnetic shielding. *Journal of Materials Chemistry A*, **2015**, 3, 2097-2107	13	162
84	Highly uniform silicon nanoparticle/porous carbon nanofiber hybrids towards free-standing high-performance anodes for lithium-ion batteries. *Carbon*, **2015**, 82, 337-345	10.4	104
83	Improving electrochemical performance of spherical LiMn2O4 cathode materials for lithium ion batteries by Al-F codoping and AlF3 surface coating. *Ionics*, **2015**, 21, 27-35	2.7	18
82	Three-Dimensional Interconnected Network of Graphene-Wrapped Silicon/Carbon Nanofiber Hybrids for Binder-Free Anodes in Lithium-Ion Batteries. *ChemElectroChem*, **2015**, 2, 1699-1706	4.3	39
81	High nitrogen-containing cotton derived 3D porous carbon frameworks for high-performance supercapacitors. *Scientific Reports*, **2015**, 5, 15388	4.9	38
80	Enhanced rate performance of lithium titanium oxide anode material by bromine doping. *Ionics*, **2015**, 21, 3169-3176	2.7	13
79	Synthesis of TiOx Nanotubular Arrays with Oxygen Defects as High-Performance Anodes for Lithium-Ion Batteries. *ChemElectroChem*, **2015**, 2, 421-426	4.3	19
78	A versatile strategy toward binary three-dimensional architectures based on engineering graphene aerogels with porous carbon fabrics for supercapacitors. *ACS Applied Materials & Interfaces*, **2015**, 7, 4257-64	9.5	57
77	Effect of alumina on triethylene glycol diacetate-2-propenoic acid butyl ester composite polymer electrolytes for flexible lithium ion batteries. *Journal of Power Sources*, **2015**, 279, 405-412	8.9	39

76	Nano-scale and micron-scale manganese dioxide vs corresponding paraffin composites for electromagnetic interference shielding and microwave absorption. *Materials Research Bulletin*, **2014**, 51, 277-286	5.1	18
75	Facile fabrication of safe and robust polyimide fibrous membrane based on triethylene glycol diacetate-2-propenoic acid butyl ester gel electrolytes for lithium-ion batteries. *Electrochimica Acta* , **2014**, 149, 176-185	6.7	23
74	Hollow core-shell structured Si/C nanocomposites as high-performance anode materials for lithium-ion batteries. *Nanoscale*, **2014**, 6, 3138-42	7.7	112
73	Rational design of graphene/porous carbon aerogels for high-performance flexible all-solid-state supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 10895-10903	13	93
72	Two-dimensional Ti3C2 as anode material for Li-ion batteries. *Electrochemistry Communications*, **2014**, 47, 80-83	5.1	316
71	Beta-manganese dioxide nanorods for sufficient high-temperature electromagnetic interference shielding in X-band. *Applied Physics A: Materials Science and Processing*, **2014**, 116, 1779-1783	2.6	23
70	Electrospun polyimide-based fiber membranes as polymer electrolytes for lithium-ion batteries. *Electrochimica Acta*, **2014**, 132, 538-544	6.7	87
69	Highly ordered porous carbon/wax composites for effective electromagnetic attenuation and shielding. *Carbon*, **2014**, 77, 130-142	10.4	242
68	Facile fabrication of ultrathin graphene papers for effective electromagnetic shielding. *Journal of Materials Chemistry C*, **2014**, 2, 5057-5064	7.1	138
67	Interfacial engineering of carbon nanofiber-graphene-carbon nanofiber heterojunctions in flexible lightweight electromagnetic shielding networks. *ACS Applied Materials & Interfaces*, **2014**, 6, 10516-23	9.5	163
66	Three-Dimensional Porous Carbon–Silicon Frameworks as High-Performance Anodes for Lithium-Ion Batteries. *ChemElectroChem*, **2014**, 1, 2124-2130	4.3	31
65	Hydrothermal synthesis of graphene/nickel oxide nanocomposites used as the electrode for supercapacitors. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 4976-81	1.3	11
64	Ordered Honeycomb Structure Surface Generated by Breath Figures for Liquid Reprography. *Advanced Functional Materials*, **2014**, 24, 7241-7248	15.6	42
63	Flexible graphene/polymer composite films in sandwich structures for effective electromagnetic interference shielding. *Carbon*, **2014**, 66, 67-76	10.4	409
62	A strategy for scalable synthesis of Li4Ti5O12/reduced graphene oxide toward high rate lithium-ion batteries. *Electrochemistry Communications*, **2014**, 40, 1-4	5.1	48
61	Preparation and electrochemical properties of gel polymer electrolytes using triethylene glycol diacetate-2-propenoic acid butyl ester copolymer for high energy density lithium-ion batteries. *Journal of Power Sources*, **2014**, 249, 392-396	8.9	33
60	Silicon/carbon nanocomposites used as anode materials for lithium-ion batteries. *Ionics*, **2013**, 19, 1545-1549	2.7	17
59	Silicon/carbon nanocomposite pyrolyzed from phenolic resin as anode materials for lithium-ion batteries. *Journal of Power Sources*, **2013**, 244, 570-574	8.9	73

58	Preparation and supercapacitor application of the single crystal nickel hydroxide and oxide nanosheets. *Materials Research Bulletin*, **2013**, 48, 3518-3526	5.1	22
57	Preparation and performance of a non-ionic plastic crystal electrolyte with the addition of polymer for lithium ion batteries. *Electrochimica Acta*, **2013**, 114, 720-725	6.7	28
56	Effect of nitrogen on the electrochemical performance of core–shell structured Si/C nanocomposites as anode materials for Li-ion batteries. *Electrochimica Acta*, **2013**, 89, 394-399	6.7	50
55	Electrochemical performance of trimethylolpropane trimethylacrylate-based gel polymer electrolyte prepared by in situ thermal polymerization. *Electrochimica Acta*, **2013**, 89, 334-338	6.7	41
54	Effects of fluorine substitution on the electrochemical performance of layered Li-excess nickel manganese oxides cathode materials for lithium-ion batteries. *Electrochimica Acta*, **2013**, 113, 407-411	6.7	23
53	Carbon-coated LiFePO4-porous carbon composites as cathode materials for lithium ion batteries. *Nanoscale*, **2013**, 5, 2164-8	7.7	68
52	Alignment of graphene sheets in wax composites for electromagnetic interference shielding improvement. *Nanotechnology*, **2013**, 24, 115708	3.4	77
51	Improved dielectric properties and highly efficient and broadened bandwidth electromagnetic attenuation of thickness-decreased carbon nanosheet/wax composites. *Journal of Materials Chemistry C*, **2013**, 1, 1846	7.1	90
50	Effects of the functional groups on the electrochemical properties of ordered porous carbon for supercapacitors. *Electrochimica Acta*, **2013**, 105, 299-304	6.7	132
49	Significant improvement of electrochemical properties of AlF3-coated LiNi0.5Co0.2Mn0.3O2 cathode materials. *Electrochimica Acta*, **2012**, 63, 363-368	6.7	187
48	Low temperature hydrothermal synthesis of nano-sized manganese oxide for supercapacitors. *Electrochimica Acta*, **2012**, 66, 302-305	6.7	46
47	In situ synthesis of TiO2–graphene nanosheets composites as anode materials for high-power lithium ion batteries. *Electrochimica Acta*, **2012**, 69, 328-333	6.7	58
46	Facile synthesis of ordered porous Si@C nanorods as anode materials for Li-ion batteries. *Electrochimica Acta*, **2012**, 71, 194-200	6.7	120
45	Interweaved Si@SiOx/C nanoporous spheres as anode materials for Li-ion batteries. *Solid State Ionics*, **2012**, 220, 1-6	3.3	47
44	Nano-Li4Ti5O12 anchored on carbon nanotubes by liquid phase deposition as anode material for high rate lithium-ion batteries. *Journal of Power Sources*, **2012**, 214, 195-199	8.9	82
43	Conversion of diatomite to porous Si/C composites as promising anode materials for lithium-ion batteries. *Journal of Power Sources*, **2012**, 219, 29-35	8.9	115
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