

Zhan Lin

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

149
papers

10,531
citations

50
h-index

101
g-index

167
ext. papers

12,553
ext. citations

12.3
avg, IF

6.74
L-index

#	Paper	IF	Citations
149	Revealing the role of spinel phase on Li-rich layered oxides: A review. <i>Chemical Engineering Journal</i> , 2022 , 427, 131978	14.7	8
148	Polyiodide Confinement by Starch Enables Shuttle-Free Zn-Iodine Batteries.. <i>Advanced Materials</i> , 2022 , e2201716	24	7
147	Cyclohexanedodecol-Assisted Interfacial Engineering for Robust and High-Performance Zinc Metal Anode.. <i>Nano-Micro Letters</i> , 2022 , 14, 110	19.5	4
146	Structural Engineering of Cobalt-Free Perovskite Enables Efficient and Durable Oxygen Reduction in Solid Oxide Fuel Cells.. <i>Small Methods</i> , 2022 , e2200292	12.8	2
145	Boosting oxygen evolution reaction activity and durability of phosphate doped Ni(OH)/FeOOH hierarchical microtubes by morphology engineering and reconstruction strategy.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 319-326	9.3	1
144	Potential Solid-State Electrolytes with Good Balance between Ionic Conductivity and Electrochemical Stability: LiMM Σ (M = Al and Ga and MS= Si and Ge).. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61296-61304	9.5	2
143	Aqueous Supramolecular Binder for a Lithium-Sulfur Battery with Flame-Retardant Property. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55092-55101	9.5	3
142	Tuning Site Energy by XO Units in LiX(PO) Enables High Li Ion Conductivity and Improved Stability. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50948-50956	9.5	1
141	Atomically Thin Materials for Next-Generation Rechargeable Batteries. <i>Chemical Reviews</i> , 2021 ,	68.1	14
140	In-Situ Polymerized Binder: A Three-in-One Design Strategy for All-Integrated SiO _x Anode with High Mass Loading in Lithium Ion Batteries. <i>ACS Energy Letters</i> , 2021 , 6, 290-297	20.1	33
139	Rejuvenating dead lithium supply in lithium metal anodes by iodine redox. <i>Nature Energy</i> , 2021 , 6, 378-387.	37.3	108
138	Embedding FeC and FeN on a Nitrogen-Doped Carbon Nanotube as a Catalytic and Anchoring Center for a High-Areal-Capacity Li-S Battery. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20153-20161	9.5	11
137	Recent Advances on Nanomaterials for Electrocatalytic CO ₂ Conversion. <i>Energy & Fuels</i> , 2021 , 35, 7485-7510	4.1	5
136	Constructing Three-Dimensional Structured V ₂ O ₅ /Conductive Polymer Composite with Fast Ion/Electron Transfer Kinetics for Aqueous Zinc-Ion Battery. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4208-4216	6.1	13
135	Hollow CoS ₂ Nanobubble Prisms Derived from ZIF-67 through Facile Two-Step Self-Engaged Method for Electromagnetic Wave Absorption. <i>ChemistrySelect</i> , 2021 , 6, 4344-4353	1.8	3
134	CoP-anchored high N-doped carbon@graphene sheet as bifunctional electrocatalyst for efficient overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 18224-18232	6.7	8
133	Ni/Mn and Al Dual Concentration-Gradients To Mitigate Voltage Decay and Capacity Fading of Li-Rich Layered Cathodes. <i>ACS Energy Letters</i> , 2021 , 6, 2755-2764	20.1	9

132	Bimetallic MOFs derived FeM(II)-alloy@C composites with high-performance electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2021 , 420, 127609	14.7	12
131	A robust network binder via localized linking by small molecules for high-area-capacity silicon anodes in lithium-ion batteries. <i>Nano Energy</i> , 2021 , 79, 105430	17.1	32
130	Photocatalytic degradation of mixed pollutants in aqueous wastewater using mesoporous 2D/2D TiO ₂ (B)-BiOBr heterojunction. <i>Journal of Materials Science and Technology</i> , 2021 , 70, 176-184	9.1	13
129	Materials Engineering in Perovskite for Optimized Oxygen Evolution Electrocatalysis in Alkaline Condition. <i>Small</i> , 2021 , 17, e2006638	11	16
128	Rational design of silicas with meso-macroporosity as supports for high-performance solid amine CO ₂ adsorbents. <i>Energy</i> , 2021 , 214, 119093	7.9	11
127	Towards efficient binders for silicon based lithium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2021 , 406, 126807	14.7	36
126	Discovering a New class of fluoride solid-electrolyte materials via screening the structural property of Li-ion sublattice. <i>Nano Energy</i> , 2021 , 79, 105407	17.1	7
125	Ti-Based Surface Integrated Layer and Bulk Doping for Stable Voltage and Long Life of Li-Rich Layered Cathodes. <i>Advanced Functional Materials</i> , 2021 , 31, 2009310	15.6	16
124	Deciphering the effects of hexagonal and monoclinic structure distribution on the properties of Li-rich layered oxides. <i>Chemical Communications</i> , 2021 , 57, 3512-3515	5.8	4
123	Atomically thin photoanode of InSe/graphene heterostructure. <i>Nature Communications</i> , 2021 , 12, 91	17.4	13
122	Water-Soluble Trifunctional Binder for Sulfur Cathodes for Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33066-33074	9.5	3
121	Dual-Function Electrolyte Additive for Highly Reversible Zn Anode. <i>Advanced Energy Materials</i> , 2021 , 11, 2102010	21.8	47
120	Achieving exceptional activity and durability toward oxygen reduction based on a cobalt-free perovskite for solid oxide fuel cells. <i>Journal of Energy Chemistry</i> , 2021 , 62, 653-659	12	4
119	An almost full reversible lithium-rich cathode: Revealing the mechanism of high initial coulombic efficiency. <i>Journal of Energy Chemistry</i> , 2021 , 62, 120-126	12	2
118	A biopolymer network for lean binder in silicon nanoparticle anodes for lithium-ion batteries. <i>Sustainable Materials and Technologies</i> , 2021 , 30, e00333	5.3	7
117	Effect of Cationic Uniformity in Precursors on Li/Ni Mixing of Ni-Rich Layered Cathodes. <i>Energy & Fuels</i> , 2021 , 35, 1842-1850	4.1	3
116	An efficient and durable perovskite electrocatalyst for oxygen reduction in solid oxide fuel cells. <i>Chemical Engineering Journal</i> , 2020 , 396, 125237	14.7	14
115	Ni/SiO ₂ /Graphene-modified separator as a multifunctional polysulfide barrier for advanced lithium-sulfur batteries. <i>Nano Energy</i> , 2020 , 76, 105033	17.1	46

114	Enhancing H evolution and molecular oxygen activation via dye sensitized BiOBr under visible light. <i>Journal of Colloid and Interface Science</i> , 2020 , 580, 1-10	9.3	10
113	0D to 3D controllable nanostructures of BiOBr via a facile and fast room-temperature strategy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 603, 125233	5.1	15
112	An Ultra-Long-Life Lithium-Rich Li Mn Ni O Cathode by Three-in-One Surface Modification for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7778-7782	16.4	72
111	An Ultra-Long-Life Lithium-Rich Li _{1.2} Mn _{0.6} Ni _{0.2} O ₂ Cathode by Three-in-One Surface Modification for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 7852-7856	3.6	24
110	Li-Ion Cooperative Migration and Oxy-Sulfide Synergistic Effect in Li P Ge S O Solid-State-Electrolyte Enables Extraordinary Conductivity and High Stability. <i>Small</i> , 2020 , 16, e1906374 ¹¹	9.5	15
109	Accommodation of Silicon in an Interconnected Copper Network for Robust Li-Ion Storage. <i>Advanced Functional Materials</i> , 2020 , 30, 1910249	15.6	17
108	Nanoelectrode design from microminiaturized honeycomb monolith with ultrathin and stiff nanoscaffold for high-energy micro-supercapacitors. <i>Nature Communications</i> , 2020 , 11, 299	17.4	33
107	Achieving Both High Ionic Conductivity and High Interfacial Stability with the LiCBO Solid-State Electrolyte: Design from Theoretical Calculations. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6007-6014 ¹⁰	9.5	10
106	Silicon Anode with High Initial Coulombic Efficiency by Modulated Trifunctional Binder for High-Areal-Capacity Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1903110	21.8	113
105	A new battery process technology inspired by partially carbonized polymer binders. <i>Nano Energy</i> , 2020 , 67, 104234	17.1	31
104	Rational design of a mesoporous silica-based cathode for efficient trapping of polysulfides in Li-S batteries. <i>Chemical Communications</i> , 2020 , 56, 786-789	5.8	9
103	Atomic Platinum Anchored on Fe-N-C Material for High Performance Oxygen Reduction Reaction. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 165-168	2.3	1
102	Revealing cooperative Li-ion migration in Li _{1+x} Al _x Ti _{2-2x} (PO ₄) ₃ solid state electrolytes with high Al doping. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 342-348	13	24
101	The stability and reaction mechanism of a LiF/electrolyte interface: insight from density functional theory. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2613-2617	13	6
100	Integrating Conductivity, Immobility, and Catalytic Ability into High-N Carbon/Graphene Sheets as an Effective Sulfur Host. <i>Advanced Materials</i> , 2020 , 32, e1906357	24	69
99	Millimeter Silicon-Derived Secondary Submicron Materials as High-Initial Coulombic Efficiency Anode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10255-10260	6.1	6
98	Bipolar Electrodes for Next-Generation Rechargeable Batteries. <i>Advanced Science</i> , 2020 , 7, 2001207	13.6	20
97	Fabricating nano- <chem>IrO2</chem> @amorphous Ir-MOF composites for efficient overall water splitting: a one-pot solvothermal approach. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25687-25695	13	5

96	Pre-activation and Defects Introduced via Citric Acid to Mitigate Capacity and Voltage Fading in Li-rich Cathode. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1285-1291	1.3	2
95	Platinum Atomic Clusters Embedded in Defects of Anatase/Graphene for Efficient Electro- and Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40204-40212	9.5	13
94	A general route of fluoride coating on the cyclability regularity of high-voltage NCM cathodes. <i>Chemical Communications</i> , 2020 , 56, 12009-12012	5.8	11
93	Accurate Control of Initial Coulombic Efficiency for Lithium-rich Manganese-based Layered Oxides by Surface Multicomponent Integration. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23061-23066	16.4	36
92	Accurate Control of Initial Coulombic Efficiency for Lithium-rich Manganese-based Layered Oxides by Surface Multicomponent Integration. <i>Angewandte Chemie</i> , 2020 , 132, 23261-23266	3.6	2
91	Hollow-sphere iron oxides exhibiting enhanced cycling performance as lithium-ion battery anodes. <i>Chemical Communications</i> , 2019 , 55, 11638-11641	5.8	6
90	Trifunctional Electrode Additive for High Active Material Content and Volumetric Lithium-Ion Electrode Densities. <i>Advanced Energy Materials</i> , 2019 , 9, 1803390	21.8	20
89	Lithium-Ion Batteries: Interweaving 3D Network Binder for High-Areal-Capacity Si Anode through Combined Hard and Soft Polymers (Adv. Energy Mater. 3/2019). <i>Advanced Energy Materials</i> , 2019 , 9, 1970009	21.8	2
88	Platinum single-atom and cluster anchored on functionalized MWCNTs with ultrahigh mass efficiency for electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2019 , 63, 103849	17.1	57
87	Nickel-substituted Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} a highly active perovskite oxygen electrode for reduced-temperature solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12343-12349	13	13
86	Transition metal substitution on Mg(101 $\bar{1}$) and Mg(0001) surfaces for improved hydrogenation and dehydrogenation: A systematic first-principles study. <i>Applied Surface Science</i> , 2019 , 479, 626-633	6.7	2
85	Sustainability-inspired cell design for a fully recyclable sodium ion battery. <i>Nature Communications</i> , 2019 , 10, 1965	17.4	52
84	Exploring competitive features of stationary sodium ion batteries for electrochemical energy storage. <i>Energy and Environmental Science</i> , 2019 , 12, 1512-1533	35.4	258
83	Yolk-shell-structured zinc-cobalt binary metal sulfide @ N-doped carbon for enhanced lithium-ion storage. <i>Nano Energy</i> , 2019 , 64, 103899	17.1	54
82	An innovation: Dendrite free quinone paired with ZnMn ₂ O ₄ for zinc ion storage. <i>Materials Today Energy</i> , 2019 , 13, 323-330	7	42
81	Overwhelming the Performance of Single Atoms with Atomic Clusters for Platinum-Catalyzed Hydrogen Evolution. <i>ACS Catalysis</i> , 2019 , 9, 8213-8223	13.1	36
80	Porous C/Ni composites derived from fluid coke for ultra-wide bandwidth electromagnetic wave absorption performance. <i>Chemical Engineering Journal</i> , 2019 , 366, 415-422	14.7	25
79	Interweaving 3D Network Binder for High-Areal-Capacity Si Anode through Combined Hard and Soft Polymers. <i>Advanced Energy Materials</i> , 2019 , 9, 1802645	21.8	112

78	Highly Efficient Synthesis of a Moisture-Stable Nitrogen-Abundant Metal-Organic Framework (MOF) for Large-Scale CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 1773-1777	3.9	14
77	Metal/Graphene Composites with Strong Metal-S Bondings for Sulfur Immobilization in Li-S Batteries. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3263-3272	3.8	23
76	A robust network binder with dual functions of Cu ²⁺ ions as ionic crosslinking and chemical binding agents for highly stable Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7382-7388	13	60
75	Porous Cobalt Oxynitride Nanosheets for Efficient Electrocatalytic Water Oxidation. <i>ChemSusChem</i> , 2018 , 11, 1479-1485	8.3	24
74	High-performance aqueous symmetric sodium-ion battery using NASICON-structured Na ₂ VTi(PO ₄) ₃ . <i>Nano Research</i> , 2018 , 11, 490-498	10	66
73	Self-assembled reduced graphene oxide/sulfur composite encapsulated by polyaniline for enhanced electrochemistry performance. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 667-675	2.6	18
72	Mechanisms and properties of ion-transport in inorganic solid electrolytes. <i>Energy Storage Materials</i> , 2018 , 10, 139-159	19.4	155
71	Conductive molybdenum carbide as the polysulfide reservoir for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17142-17147	13	28
70	Blocking Polysulfides and Facilitating Lithium-Ion Transport: Polystyrene Sulfonate@HKUST-1 Membrane for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30451-30459	9.5	51
69	Exploring Chemical, Mechanical, and Electrical Functionalities of Binders for Advanced Energy-Storage Devices. <i>Chemical Reviews</i> , 2018 , 118, 8936-8982	68.1	337
68	Metal-organic framework nanosheets-guided uniform lithium deposition for metallic lithium batteries. <i>Energy Storage Materials</i> , 2018 , 11, 267-273	19.4	61
67	Aligning academia and industry for unified battery performance metrics. <i>Nature Communications</i> , 2018 , 9, 5262	17.4	156
66	A high-volumetric-capacity and high-areal-capacity ZnCo ₂ O ₄ anode for Li-ion batteries enabled by a robust biopolymer binder. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19455-19462	13	19
65	Foldable interpenetrated metal-organic frameworks/carbon nanotubes thin film for lithium-sulfur batteries. <i>Nature Communications</i> , 2017 , 8, 14628	17.4	359
64	Exploiting a robust biopolymer network binder for an ultrahigh-areal-capacity Li-S battery. <i>Energy and Environmental Science</i> , 2017 , 10, 750-755	35.4	221
63	In Situ Wrapping Si Nanoparticles with 2D Carbon Nanosheets as High-Areal-Capacity Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38159-38164	9.5	59
62	Symmetric sodium-ion batteries based on the phosphate material of NASICON-structured Na ₃ Co _{0.5} Mn _{0.5} Ti(PO ₄) ₃ . <i>RSC Advances</i> , 2017 , 7, 33273-33277	3.7	15
61	Hierarchical NiCo ₂ O ₄ Hollow Microcuboids as Bifunctional Electrocatalysts for Overall Water-Splitting. <i>Angewandte Chemie</i> , 2016 , 128, 6398-6402	3.6	112

60	Self-generation of a quasi p-n junction for high efficiency chemical-doping-free graphene/silicon solar cells using a transition metal oxide interlayer. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10558-10565	13	17
59	NiCo sulfide nanoboxes with tunable compositions for high-performance electrochemical pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10248-10253	13	64
58	Innentitelbild: Hierarchical NiCo ₂ O ₄ Hollow Microcuboids as Bifunctional Electrocatalysts for Overall Water-Splitting (Angew. Chem. 21/2016). <i>Angewandte Chemie</i> , 2016 , 128, 6216-6216	3.6	2
57	Hierarchical NiCo ₂ O ₄ Hollow Microcuboids as Bifunctional Electrocatalysts for Overall Water-Splitting. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6290-4	16.4	592
56	Ni _{0.85} Se as an efficient non-noble bifunctional electrocatalyst for full water splitting. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 10688-10694	6.7	66
55	The dual actions of modified polybenzimidazole in taming the polysulfide shuttle for long-life lithium-sulfur batteries. <i>NPG Asia Materials</i> , 2016 , 8, e317-e317	10.3	47
54	Hierarchical tubular structures constructed from ultrathin TiO ₂ (B) nanosheets for highly reversible lithium storage. <i>Energy and Environmental Science</i> , 2015 , 8, 1480-1483	35.4	166
53	Developments of Electrolyte Systems for Lithium-Sulfur Batteries: A Review. <i>Frontiers in Energy Research</i> , 2015 , 3,	3.8	27
52	Lithium-sulfur batteries: from liquid to solid cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 936-958	13	300
51	TiO ₂ Microboxes with Controlled Internal Porosity for High-Performance Lithium Storage. <i>Angewandte Chemie</i> , 2015 , 127, 14539-14543	3.6	6
50	Hierarchical Tubular Structures Composed of Mn-Based Mixed Metal Oxide Nanoflakes with Enhanced Electrochemical Properties. <i>Advanced Functional Materials</i> , 2015 , 25, 5184-5189	15.6	116
49	Acacia Senegal-Inspired Bifunctional Binder for Longevity of Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2015 , 5, 1500878	21.8	190
48	TiO ₂ Microboxes with Controlled Internal Porosity for High-Performance Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14331-5	16.4	71
47	Durable carbon-coated Li ₂ (S) core-shell spheres for high performance lithium/sulfur cells. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4659-63	16.4	228
46	Air-stable, high-conduction solid electrolytes of arsenic-substituted Li ₄ SnS ₄ . <i>Energy and Environmental Science</i> , 2014 , 7, 1053-1058	35.4	228
45	High-performance lithium/sulfur cells with a bi-functionally immobilized sulfur cathode. <i>Nano Energy</i> , 2014 , 9, 408-416	17.1	42
44	Electrospun Nanofibers for Design and Fabrication of Electrocatalysts and Electrolyte Membranes for Fuel cells. <i>Nanostructure Science and Technology</i> , 2014 , 41-67	0.9	2
43	Phosphorous Pentasulfide as a Novel Additive for High-Performance Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2013 , 23, 1064-1069	15.6	363

42	Cathode Materials: Phosphorous Pentasulfide as a Novel Additive for High-Performance Lithium-Sulfur Batteries (Adv. Funct. Mater. 8/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 918-918	15.6	3
41	Structure control and performance improvement of carbon nanofibers containing a dispersion of silicon nanoparticles for energy storage. <i>Carbon</i> , 2013 , 51, 185-194	10.4	76
40	Lithium superionic sulfide cathode for all-solid lithium-sulfur batteries. <i>ACS Nano</i> , 2013 , 7, 2829-33	16.7	284
39	Lithium polysulfidophosphates: a family of lithium-conducting sulfur-rich compounds for lithium-sulfur batteries. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7460-3	16.4	233
38	Lithium Polysulfidophosphates: A Family of Lithium-Conducting Sulfur-Rich Compounds for Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2013 , 125, 7608-7611	3.6	64
37	Electrospun carbon nanofibers decorated with various amounts of electrochemically-inert nickel nanoparticles for use as high-performance energy storage materials. <i>RSC Advances</i> , 2012 , 2, 192-198	3.7	47
36	Cr-doped Li ₂ MnSiO ₄ /carbon composite nanofibers as high-energy cathodes for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14661		74
35	Fe ₂ O ₃ nanoparticle-loaded carbon nanofibers as stable and high-capacity anodes for rechargeable lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2672-9	9.5	181
34	Carbon nanotube-loaded electrospun LiFePO ₄ /carbon composite nanofibers as stable and binder-free cathodes for rechargeable lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1273-80	9.5	112
33	LiFePO ₄ nanoparticles encapsulated in graphene-containing carbon nanofibers for use as energy storage materials. <i>Journal of Renewable and Sustainable Energy</i> , 2012 , 4, 013121	2.5	30
32	Designing Energy-Storage Devices from Textile Materials. <i>Advanced Materials Research</i> , 2012 , 441, 231-234	3.4	3
31	Electrospun carbon-tin oxide composite nanofibers for use as lithium ion battery anodes. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2534-42	9.5	141
30	Sulfonated polystyrene fiber network-induced hybrid proton exchange membranes. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3732-7	9.5	55
29	Electrospun Li ₄ Ti ₅ O ₁₂ /C composites for lithium-ion batteries with high rate performance. <i>Solid State Ionics</i> , 2011 , 204-205, 61-65	3.3	41
28	Highly proton conductive electrolyte membranes: Fiber-induced long-range ionic channels. <i>Electrochemistry Communications</i> , 2011 , 13, 1005-1008	5.1	37
27	Recent developments in nanostructured anode materials for rechargeable lithium-ion batteries. <i>Energy and Environmental Science</i> , 2011 , 4, 2682	35.4	1848
26	Electrocatalytic interaction of nano-engineered palladium on carbon nanofibers with hydrogen peroxide and NADH. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1287-1294	2.6	10
25	Atmospheric plasma treatment of pre-electrospinning polymer solution: A feasible method to improve electrospinnability. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 115-122	2.6	29

24	Superacidic Electrospun Fiber-Nafion Hybrid Proton Exchange Membranes. <i>Advanced Energy Materials</i> , 2011 , 1, 1133-1140	21.8	69
23	Fabrication and characterization of LATP/PAN composite fiber-based lithium-ion battery separators. <i>Electrochimica Acta</i> , 2011 , 56, 6474-6480	6.7	72
22	Preparation and electrochemical characterization of ionic-conducting lithium lanthanum titanate oxide/polyacrylonitrile submicron composite fiber-based lithium-ion battery separators. <i>Journal of Power Sources</i> , 2011 , 196, 436-441	8.9	121
21	Fabrication and electrochemical characteristics of electrospun LiFePO ₄ /carbon composite fibers for lithium-ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 7692-7699	8.9	101
20	Electrospun carbon nanofiber-supported Pt-Pd alloy composites for oxygen reduction. <i>Journal of Materials Research</i> , 2010 , 25, 1329-1335	2.5	15
19	Synthesis and Electrocatalysis of Carbon Nanofiber-Supported Platinum by 1-AP Functionalization and Polyol Processing Technique. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3791-3797	3.8	17
18	Synthesis and electrocatalysis of 1-aminopyrene-functionalized carbon nanofiber-supported platinum-ruthenium nanoparticles. <i>Journal of Power Sources</i> , 2010 , 195, 5520-5526	8.9	20
17	Assembly of carbon-SnO ₂ core-sheath composite nanofibers for superior lithium storage. <i>Chemistry - A European Journal</i> , 2010 , 16, 11543-8	4.8	73
16	Fabrication of carbon nanofiber-driven electrodes from electrospun polyacrylonitrile/polypyrrole bicomponents for high-performance rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2010 , 195, 2050-2056	8.9	140
15	Electrodeposited MnO _x /carbon nanofiber composites for use as anode materials in rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2010 , 195, 5025-5031	8.9	84
14	Formation and characterization of core-sheath nanofibers through electrospinning and surface-initiated polymerization. <i>Polymer</i> , 2010 , 51, 4368-4374	3.9	28
13	Formation and electrochemical performance of copper/carbon composite nanofibers. <i>Electrochimica Acta</i> , 2010 , 55, 1605-1611	6.7	48
12	Electrodeposition of platinum nanoparticles onto carbon nanofibers for electrocatalytic oxidation of methanol. <i>Materials Letters</i> , 2009 , 63, 2115-2118	3.3	27
11	In-situ encapsulation of nickel particles in electrospun carbon nanofibers and the resultant electrochemical performance. <i>Chemistry - A European Journal</i> , 2009 , 15, 10718-22	4.8	75
10	Electrocatalytic properties of Pt/carbon composite nanofibers. <i>Electrochimica Acta</i> , 2009 , 54, 7042-7047	6.7	23
9	Porous carbon nanofibers from electrospun polyacrylonitrile/SiO ₂ composites as an energy storage material. <i>Carbon</i> , 2009 , 47, 3346-3354	10.4	204
8	Radiation-induced grafting of N-isopropylacrylamide onto the brominated poly(2,6-dimethyl-1,4-phenylene oxide) membranes. <i>Radiation Physics and Chemistry</i> , 2006 , 75, 532-540	2.5	19
7	Controlled release of ionic drug through the positively charged temperature-responsive membranes. <i>Journal of Membrane Science</i> , 2006 , 281, 491-499	9.6	26

6	Modulation of Brønsted and Lewis Acid Centers for Ni _x Co _{3-4x} O ₄ Spinel Catalysts: Towards Efficient Catalytic Conversion of Lignin. <i>Advanced Functional Materials</i> ,2111615	15.6	12
5	New Findings for the Much-Promised Hematite Photoanodes with Gradient Doping and Overlayer Elaboration. <i>Solar Rrl</i> ,2100701	7.1	1
4	Boosting oxygen evolution activity of NiFe-LDH using oxygen vacancies and morphological engineering. <i>Journal of Materials Chemistry A</i> ,	13	11
3	A mixed-valent vanadium oxide cathode with ultrahigh rate capability for aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> ,	13	4
2	Scalable Lithiophilic/Sodiophilic Porous Buffer Layer Fabrication Enables Uniform Nucleation and Growth for Lithium/Sodium Metal Batteries. <i>Advanced Functional Materials</i> ,2200967	15.6	3
1	A tin-incorporated multi-phase perovskite nanocomposite for efficiently catalyzing oxygen evolution reaction. <i>International Journal of Energy Research</i> ,	4.5	