

# Nian Liu

## List of Publications by Year in descending order

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220  
papers

33,142  
citations

10351

72  
h-index

3714

179  
g-index

227  
all docs

227  
docs citations

227  
times ranked

32018  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proton export alkalinizes intracellular pH and reprograms carbon metabolism to drive normal and malignant cell growth. <i>Blood</i> , 2022, 139, 502-522.	0.6	23
2	In Situ/Operando Insights into the Stability and Degradation Mechanisms of Heterogeneous Electrocatalysts. <i>Small</i> , 2022, 18, e2104205.	5.2	14
3	Argentophilic pyridinic nitrogen for embedding lithiophilic silver nanoparticles in a three-dimensional carbon scaffold for reversible lithium plating/stripping. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1768-1779.	5.2	10
4	Removal of lycopene substrate inhibition enables high carotenoid productivity in <i>Yarrowia lipolytica</i> . <i>Nature Communications</i> , 2022, 13, 572.	5.8	70
5	Single-Pot Fabrication of Cellulose-Reinforced Solid Polymer Lithium-Ion Conductors. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1948-1955.	2.0	6
6	Weakly Supervised Ternary Stream Data Augmentation Fine-Grained Classification Network for Identifying Acute Lymphoblastic Leukemia. <i>Diagnostics</i> , 2022, 12, 16.	1.3	5
7	Are Porous Polymers Practical to Protect Li-Metal Anodes? Current Strategies and Future Opportunities. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
8	Cyclic Carbonate-Based, Single-Ion Conducting Polymer Electrolytes for Li-Ion Batteries: Electrolyte Design. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2437-2437.	0.0	0
9	Molecular and Cell-Level Engineering of Zinc-Based Aqueous Flow Batteries. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 27-27.	0.0	0
10	A Co-Axial Microtubular Flow Battery with Ultra-High Volumetric Power. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2289-2289.	0.0	0
11	(Invited) Deeply Rechargeable Zinc Anodes for High-Energy Rechargeable Aqueous Batteries. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1664-1664.	0.0	0
12	A Novel Electrochemical Method to Extract Lithium from Aqueous Solutions. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2288-2288.	0.0	0
13	Cyclic Carbonate-Based, Single-Ion Conducting Polymer Electrolytes for Li-Ion Batteries: Battery Performance. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 329-329.	0.0	0
14	Anchoring silicon on the basal plane of graphite via a three-phase heterostructure for highly reversible lithium storage. <i>Energy Storage Materials</i> , 2021, 34, 311-319.	9.5	65
15	Difunctional block copolymer with ion solvating and crosslinking sites as solid polymer electrolyte for lithium batteries. <i>Journal of Power Sources</i> , 2021, 481, 228832.	4.0	13
16	Unveiling the Origin of Alloy-Seeded and Nondendritic Growth of Zn for Rechargeable Aqueous Zn Batteries. <i>ACS Energy Letters</i> , 2021, 6, 404-412.	8.8	148
17	Lithium Ion Conduction in Diblock Polymer Electrolyte with Tethered Anion. <i>ChemistrySelect</i> , 2021, 6, 595-599.	0.7	3
18	Partitioning metabolism between growth and product synthesis for coordinated production of wax esters in <i>Acinetobacter baylyi</i> ADP1. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2283-2292.	1.7	9

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19	An effective and accessible cell configuration for testing rechargeable zinc-based alkaline batteries. <i>Journal of Power Sources</i> , 2021, 491, 229547.	4.0	18
20	Differential Substrate Use in EGF $\alpha$ and Oncogenic KRAS $\alpha$ Stimulated Human Mammary Epithelial Cells. <i>FEBS Journal</i> , 2021, 288, 5629-5649.	2.2	4
21	Crossroads in the renaissance of rechargeable aqueous zinc batteries. <i>Materials Today</i> , 2021, 45, 191-212.	8.3	171
22	Calcination-Free Synthesis of Well-Dispersed and Sub-10-nm Spinel Ferrite Nanoparticles as High-Performance Anode Materials for Lithium-Ion Batteries: A Case Study of CoFe <sub>2</sub> O <sub>4</sub> . <i>Chemistry - A European Journal</i> , 2021, 27, 12900-12909.	1.7	9
23	An End-to-End Pipeline for Early Diagnosis of Acute Promyelocytic Leukemia Based on a Compact CNN Model. <i>Diagnostics</i> , 2021, 11, 1237.	1.3	6
24	Self-Assembling Films of Covalent Organic Frameworks Enable Long-Term, Efficient Cycling of Zinc-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2101726.	11.1	114
25	Understanding and Controlling the Nucleation and Growth of Zn Electrodeposits for Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 32930-32936.	4.0	71
26	Glass-fiber-reinforced polymeric film as an efficient protecting layer for stable Li metal electrodes. <i>Cell Reports Physical Science</i> , 2021, 2, 100534.	2.8	15
27	In situ visualization of zinc plating in gel polymer electrolyte. <i>Electrochimica Acta</i> , 2021, 391, 138877.	2.6	6
28	Hybrid NiO/Co <sub>3</sub> O <sub>4</sub> nanoflowers as high-performance anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 420, 130469.	6.6	56
29	Dissolution-Redeposition Mechanism of the MnO <sub>2</sub> Cathode in Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 12267-12274.	2.5	39
30	Hierarchical Porous Ni/NiO Nanoflowers with Adjustable Ni As Anode for Lithium-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 311-311.	0.0	0
31	Silver Nanoparticles Guide Uniform Zn Nucleation in the Porous Carbon Skeleton for Dendrite-Free Zinc Metal Anodes. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 16-16.	0.0	0
32	Hybrid NiO/Co <sub>3</sub> O <sub>4</sub> Nanoflowers As High-Performance Anode Materials for Lithium-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 249-249.	0.0	32
33	Rational design of walnut-like ZnO/Co <sub>3</sub> O <sub>4</sub> porous nanospheres with substantially enhanced lithium storage performance. <i>Nanoscale</i> , 2021, 14, 166-174.	2.8	6
34	Mixed carbon substrates: a necessary nuisance or a missed opportunity?. <i>Current Opinion in Biotechnology</i> , 2020, 62, 15-21.	3.3	63
35	Polyphotosensitizer nanogels for GSH-responsive histone deacetylase inhibitors delivery and enhanced cancer photodynamic therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110753.	2.5	19
36	Co-Ni Alloy Encapsulated by N-doped Graphene as a Cathode Catalyst for Rechargeable Hybrid Li-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4366-4372.	4.0	34

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37	Synthesis of high-titer alkalenes in <i>Yarrowia lipolytica</i> is enabled by a discovered mechanism. <i>Nature Communications</i> , 2020, 11, 6198.	5.8	32
38	Ionic conductive polymers as artificial solid electrolyte interphase films in Li metal batteries – A review. <i>Materials Today</i> , 2020, 40, 140-159.	8.3	115
39	Enhancing isoprenoid synthesis in <i>Yarrowia lipolytica</i> by expressing the isopentenol utilization pathway and modulating intracellular hydrophobicity. <i>Metabolic Engineering</i> , 2020, 61, 344-351.	3.6	75
40	Three-Dimensional-Percolated Ceramic Nanoparticles along Natural-Cellulose-Derived Hierarchical Networks for High Li <sup>+</sup> Conductivity and Mechanical Strength. <i>Nano Letters</i> , 2020, 20, 7397-7404.	4.5	37
41	Deeply Rechargeable and Hydrogen-Evolution-Suppressing Zinc Anode in Alkaline Aqueous Electrolyte. <i>Nano Letters</i> , 2020, 20, 4700-4707.	4.5	89
42	A Three-Dimensional Nano-web Scaffold of Ferroelectric Beta-PVDF Fibers for Lithium Metal Plating and Stripping. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 29235-29241.	4.0	12
43	Electrotunable liquid sulfur microdroplets. <i>Nature Communications</i> , 2020, 11, 606.	5.8	22
44	In situ Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15228-15234.	7.2	27
45	In situ Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie</i> , 2019, 131, 15372-15378.	1.6	5
46	Polypropylene Carbonate-Based Adaptive Buffer Layer for Stable Interfaces of Solid Polymer Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 27906-27912.	4.0	24
47	Li <sup>+</sup> -Containing, Continuous Silica Nanofibers for High Li <sup>+</sup> Conductivity in Composite Polymer Electrolyte. <i>Small</i> , 2019, 15, e1902729.	5.2	58
48	Development of a Three-Dimensional Electrochemical System Using a Blue TiO <sub>2</sub> /SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>3</sub> Anode for Treating Low-Ionic-Strength Wastewater. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13784-13793.	4.6	45
49	Synergistic substrate cofeeding stimulates reductive metabolism. <i>Nature Metabolism</i> , 2019, 1, 643-651.	5.1	71
50	Graphene oxide-modified zinc anode for rechargeable aqueous batteries. <i>Chemical Engineering Science</i> , 2019, 194, 142-147.	1.9	152
51	Nonradical activation of peroxydisulfate promoted by oxygen vacancy-laden NiO for catalytic phenol oxidative polymerization. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 166-173.	10.8	107
52	“Pill-in-the-Pocket” Treatment of Propafenone Unmasks ECG Brugada Pattern in an Atrial Fibrillation Patient With a Common SCN5A R1193Q Polymorphism. <i>Frontiers in Physiology</i> , 2019, 10, 353.	1.3	5
53	Bright sub-20-nm cathodoluminescent nanoprobe for electron microscopy. <i>Nature Nanotechnology</i> , 2019, 14, 420-425.	15.6	36
54	A safe and fast-charging lithium-ion battery anode using MXene supported Li <sub>3</sub> VO <sub>4</sub> . <i>Journal of Materials Chemistry A</i> , 2019, 7, 11250-11256.	5.2	106

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55	Frontispiz: Inâ€...Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie</i> , 2019, 131, .	1.6	0
56	Frontispiece: Inâ€...Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	7.2	0
57	Direct electrochemical generation of supercooled sulfur microdroplets well below their melting temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 765-770.	3.3	39
58	Enhancing hydrogenâ€dependent growth of and carbon dioxide fixation by <i>Clostridium ljungdahlii</i> through nitrate supplementation. <i>Biotechnology and Bioengineering</i> , 2019, 116, 294-306.	1.7	46
59	Lasagna-Inspired Zn Anode Design for High-Energy Rechargeable Aqueous Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
60	Ion-Sieving Carbon Nanoshells for Deeply Rechargeable Zn-Based Aqueous Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
61	Lithium Ion Conducting Block Copolymers: Conductivity and Battery Performance. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
62	In Operando Optical Visualization of Br <sup>5-</sup> - electrochemistry with a Planar Glass Battery for Zn/Br Flow Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
63	Zinc Anode Design for Rechargeable Aqueous High-Energy Zn Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
64	Rapid Li Diffusion By Ferroelectric Polarization for Smooth Lithium Deposition. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
65	(Invited) Nanoscale Material Design of Zinc Anodes for High Energy Rechargeable Aqueous Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
66	Nanoscale Materials Design and in Operando Visualization for High-Energy Ultra-Safe Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
67	Visualizing Battery Reactions and Processes by Using In Situ and In Operando Microscopies. <i>CheM</i> , 2018, 4, 438-465.	5.8	108
68	Morphology and property investigation of primary particulate matter particles from different sources. <i>Nano Research</i> , 2018, 11, 3182-3192.	5.8	54
69	A deeply rechargeable zinc anode with pomegranate-inspired nanostructure for high-energy aqueous batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21933-21940.	5.2	61
70	A Lasagna-Inspired Nanoscale ZnO Anode Design for High-Energy Rechargeable Aqueous Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 6345-6351.	2.5	46
71	Nickel-hydrogen batteries for large-scale energy storage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11694-11699.	3.3	77
72	Ionâ€Sieving Carbon Nanoshells for Deeply Rechargeable Znâ€Based Aqueous Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802470.	10.2	139

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73	Sealing ZnO nanorods for deeply rechargeable high-energy aqueous battery anodes. <i>Nano Energy</i> , 2018, 53, 666-674.	8.2	112
74	A Cu <sub>3</sub> P nanowire enabling high-efficiency, reliable, and energy-efficient low-voltage electroporation-inactivation of pathogens in water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18813-18820.	5.2	59
75	A Silica-Aerogel-Reinforced Composite Polymer Electrolyte with High Ionic Conductivity and High Modulus. <i>Advanced Materials</i> , 2018, 30, e1802661.	11.1	392
76	Metabolic engineering in the host <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2018, 50, 192-208.	3.6	157
77	Holistic Approaches in Lipid Production by <i>Yarrowia lipolytica</i> . <i>Trends in Biotechnology</i> , 2018, 36, 1157-1170.	4.9	104
78	Towards a higher-level <i>Ensifera</i> phylogeny inferred from mitogenome sequences. <i>Molecular Phylogenetics and Evolution</i> , 2017, 108, 22-33.	1.2	45
79	Application of metabolic controls for the maximization of lipid production in semicontinuous fermentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5308-E5316.	3.3	72
80	Lithium Metal Anodes with an Adaptive "Solid-Liquid" Interfacial Protective Layer. <i>Journal of the American Chemical Society</i> , 2017, 139, 4815-4820.	6.6	460
81	The path towards sustainable energy. <i>Nature Materials</i> , 2017, 16, 16-22.	13.3	3,288
82	Nanostructured Electrode Materials for High-Energy Rechargeable Li, Na and Zn Batteries. <i>Chemistry of Materials</i> , 2017, 29, 9589-9604.	3.2	80
83	Challenges and Recent Progress in the Development of Si Anodes for Lithium-Ion Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1700715.	10.2	709
84	Engineering <i>Yarrowia lipolytica</i> for poly-3-hydroxybutyrate production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 605-612.	1.4	31
85	The complete mitogenome of <i>Arcyptera coreana</i> (Insecta: Orthoptera: Acrididae). <i>Mitochondrial DNA</i> , 2016, 27, 1-2.	0.6	0
86	<sup>13</sup> C Metabolic Flux Analysis of acetate conversion to lipids by <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2016, 38, 86-97.	3.6	68
87	Characterization of the complete mitochondrial genome of the myrmicine ant <i>Vollenhovia emeryi</i> (Insecta: Hymenoptera: Formicidae). <i>Conservation Genetics Resources</i> , 2016, 8, 211-214.	0.4	11
88	Nanofiber Air Filters with High-Temperature Stability for Efficient PM <sub>2.5</sub> Removal from the Pollution Sources. <i>Nano Letters</i> , 2016, 16, 3642-3649.	4.5	456
89	Graphite-Encapsulated Li-Metal Hybrid Anodes for High-Capacity Li Batteries. <i>CheM</i> , 2016, 1, 287-297.	5.8	247
90	Growth of conformal graphene cages on micrometre-sized silicon particles as stable battery anodes. <i>Nature Energy</i> , 2016, 1, .	19.8	609

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91	Promises and challenges of nanomaterials for lithium-based rechargeable batteries. <i>Nature Energy</i> , 2016, 1, .	19.8	1,388
92	High-capacity battery cathode prelithiation to offset initial lithium loss. <i>Nature Energy</i> , 2016, 1, .	19.8	265
93	Role of histone modification in 12-lipoxygenase-associated p21 gene regulation. <i>Molecular Medicine Reports</i> , 2016, 14, 3978-3984.	1.1	2
94	A Stretchable Graphitic Carbon/Si Anode Enabled by Conformal Coating of a Self-Healing Elastic Polymer. <i>Advanced Materials</i> , 2016, 28, 2455-2461.	11.1	197
95	Carbothermic reduction synthesis of red phosphorus-filled 3D carbon material as a high-capacity anode for sodium ion batteries. <i>Energy Storage Materials</i> , 2016, 4, 130-136.	9.5	167
96	In situ measurement of lithiation-induced stress in silicon nanoparticles using micro-Raman spectroscopy. <i>Nano Energy</i> , 2016, 22, 105-110.	8.2	111
97	The complete mitochondrial genome of the <i>Xenocatantops brachycerus</i> (Orthoptera: Catantopidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 2844-2845.	0.7	6
98	The complete mitochondrial genome of <i>Bryodema miramae</i> (Orthoptera: Oedipodidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 2500-2501.	0.7	0
99	Farnesoid X receptor ligand CDCA suppresses human prostate cancer cells growth by inhibiting lipid metabolism via targeting sterol response element binding protein 1. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 5118-5124.	0.0	17
100	Lithium Batteries: Highly Nitridated Graphene-Li <sub>2</sub> S Cathodes with Stable Modulated Cycles (Adv.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	10.2	0
101	Extreme variation in patterns of tandem repeats in mitochondrial control region of yellow-browed tits ( <i>Sylviparus modestus</i> , Paridae). <i>Scientific Reports</i> , 2015, 5, 13227.	1.6	14
102	Highly Nitridated Graphene-Li <sub>2</sub> S Cathodes with Stable Modulated Cycles. <i>Advanced Energy Materials</i> , 2015, 5, 1501369.	10.2	97
103	Ionic Conductivity Enhancement of Polymer Electrolytes with Ceramic Nanowire Fillers. <i>Nano Letters</i> , 2015, 15, 2740-2745.	4.5	782
104	Transparent air filter for high-efficiency PM2.5 capture. <i>Nature Communications</i> , 2015, 6, 6205.	5.8	690
105	A General Self-Propagating High-Temperature Synthesis Method for Fast and Easy Preparation of Metal Oxide Nanostructures from Low Melting Point Metals. <i>Nano</i> , 2015, 10, 1550015.	0.5	2
106	Nonfilling Carbon Coating of Porous Silicon Micrometer-Sized Particles for High-Performance Lithium Battery Anodes. <i>ACS Nano</i> , 2015, 9, 2540-2547.	7.3	433
107	Artificial Solid Electrolyte Interphase-Protected Li <sub>x</sub> Si Nanoparticles: An Efficient and Stable Prelithiation Reagent for Lithium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2015, 137, 8372-8375.	6.6	297
108	A high tap density secondary silicon particle anode fabricated by scalable mechanical pressing for lithium-ion batteries. <i>Energy and Environmental Science</i> , 2015, 8, 2371-2376.	15.6	397

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109	Surface-Coating Regulated Lithiation Kinetics and Degradation in Silicon Nanowires for Lithium Ion Battery. ACS Nano, 2015, 9, 5559-5566.	7.3	118
110	Carbonaceous microspheres prepared by hydrothermal carbonization of glucose for direct use in catalytic dehydration of fructose. RSC Advances, 2015, 5, 17526-17531.	1.7	72
111	A Novel Phase of Li <sub>15</sub> Si <sub>4</sub> Synthesized under Pressure. Advanced Energy Materials, 2015, 5, 1500214.	10.2	14
112	Interfacial stabilizing effect of ZnO on Si anodes for lithium ion battery. Nano Energy, 2015, 13, 620-625.	8.2	88
113	Polymer Nanofiber-Guided Uniform Lithium Deposition for Battery Electrodes. Nano Letters, 2015, 15, 2910-2916.	4.5	495
114	Nanopurification of silicon from 84% to 99.999% purity with a simple and scalable process. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13473-13477.	3.3	56
115	Controllable SHS Synthesis of ZnO Nanostructures. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 433-436.	0.6	2
116	Genetically engineered SCN5A mutant pig hearts exhibit conduction defects and arrhythmias. Journal of Clinical Investigation, 2015, 125, 403-412.	3.9	93
117	Outage and capacity analysis between opportunistic and partial relay cooperative network with hardware impairments. , 2014, , .		3
118	Classification of Green and Black Teas by PCA and SVM Analysis of Cyclic Voltammetric Signals from Metallic Oxide-Modified Electrode. Food Analytical Methods, 2014, 7, 472-480.	1.3	36
119	A pomegranate-inspired nanoscale design for large-volume-change lithium battery anodes. Nature Nanotechnology, 2014, 9, 187-192.	15.6	2,109
120	Nanomaterials for electrochemical energy storage. Frontiers of Physics, 2014, 9, 323-350.	2.4	86
121	Full open-framework batteries for stationary energy storage. Nature Communications, 2014, 5, 3007.	5.8	440
122	Production of 5-hydroxymethylfurfural from corn stalk catalyzed by corn stalk-derived carbonaceous solid acid catalyst. Bioresource Technology, 2014, 173, 462-466.	4.8	59
123	Manganese hexacyanomanganate open framework as a high-capacity positive electrode material for sodium-ion batteries. Nature Communications, 2014, 5, 5280.	5.8	446
124	Congenital Long QT Syndrome Type 3. Cardiac Electrophysiology Clinics, 2014, 6, 705-713.	0.7	3
125	Sodium Current Disorders. Cardiac Electrophysiology Clinics, 2014, 6, 825-833.	0.7	0
126	In situ nanotomography and operando transmission X-ray microscopy of micron-sized Ge particles. Energy and Environmental Science, 2014, 7, 2771-2777.	15.6	117



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127	Understanding Phase Transformation in Crystalline Ge Anodes for Li-Ion Batteries. <i>Chemistry of Materials</i> , 2014, 26, 3739-3746.	3.2	112
128	Dry-air-stable lithium silicideâ€“lithium oxide coreâ€“shell nanoparticles as high-capacity prelithiation reagents. <i>Nature Communications</i> , 2014, 5, 5088.	5.8	276
129	Removal of hydrophilic ionic liquids from aqueous solutions by adsorption onto high surface area oxygenated carbonaceous material. <i>Chemical Engineering Journal</i> , 2014, 256, 407-414.	6.6	47
130	Formation of Stable Phosphorusâ€“Carbon Bond for Enhanced Performance in Black Phosphorus Nanoparticleâ€“Graphite Composite Battery Anodes. <i>Nano Letters</i> , 2014, 14, 4573-4580.	4.5	764
131	High-capacity Li <sub>2</sub> Sâ€“graphene oxide composite cathodes with stable cycling performance. <i>Chemical Science</i> , 2014, 5, 1396.	3.7	109
132	A pHâ€“responsive drug release system based on doxorubicin conjugated amphiphilic polymer coated quantum dots for tumor cell targeting and tracking. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 2169-2175.	1.6	20
133	Conducting Nanosponge Electroporation for Affordable and High-Efficiency Disinfection of Bacteria and Viruses in Water. <i>Nano Letters</i> , 2013, 13, 4288-4293.	4.5	160
134	Rice husks as a sustainable source of nanostructured silicon for high performance Li-ion battery anodes. <i>Scientific Reports</i> , 2013, 3, 1919.	1.6	409
135	Electrotonic suppression of early afterdepolarizations in the neonatal rat ventricular myocyte monolayer. <i>Journal of Physiology</i> , 2013, 591, 5357-5364.	1.3	6
136	A novel method for massive synthesis of SnO <sub>2</sub> nanowires. <i>Bulletin of Materials Science</i> , 2013, 36, 953-960.	0.8	3
137	Dendrimer functionalized water soluble magnetic iron oxide conjugates as dual imaging probe for tumor targeting and drug delivery. <i>Polymer Chemistry</i> , 2013, 4, 789-794.	1.9	33
138	Self-propagating high temperature synthesis of high purity single-crystalline SnO <sub>2</sub> nanobelts. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 925-930.	1.3	3
139	An energy-efficient clustering algorithm in mobile sensor networks. , 2013, , .		2
140	High-performance hollow sulfur nanostructured battery cathode through a scalable, room temperature, one-step, bottom-up approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7148-7153.	3.3	359
141	Callus induction and shoot organogenesis from anther cultures of <i>Curcuma attenuata</i> Wall. <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 112, 1-7.	1.2	24
142	Transparent and conductive paper from nanocellulose fibers. <i>Energy and Environmental Science</i> , 2013, 6, 513-518.	15.6	431
143	Risk assessment of power grid catastrophic accident based on AHP and fuzzy simulation. , 2013, , .		4
144	Flowering, morphological observations and FT expression of <i>Curcuma kwangsiensis</i> var <i>nanlingensis</i> bud in development process. <i>Scientia Horticulturae</i> , 2013, 160, 383-388.	1.7	2

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145	Elastic moduli of polycrystalline Li <sub>15</sub> Si <sub>4</sub> produced in lithium ion batteries. Journal of Power Sources, 2013, 242, 732-735.	4.0	36
146	Nanoporous silicon networks as anodes for lithium ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 440-443.	1.3	65
147	Silicon-conductive nanopaper for Li-ion batteries. Nano Energy, 2013, 2, 138-145.	8.2	155
148	Crab Shells as Sustainable Templates from Nature for Nanostructured Battery Electrodes. Nano Letters, 2013, 13, 3385-3390.	4.5	208
149	Stable Li-ion battery anodes by in-situ polymerization of conducting hydrogel to conformally coat silicon nanoparticles. Nature Communications, 2013, 4, 1943.	5.8	1,138
150	MoSe <sub>2</sub> and WSe <sub>2</sub> Nanofilms with Vertically Aligned Molecular Layers on Curved and Rough Surfaces. Nano Letters, 2013, 13, 3426-3433.	4.5	653
151	Research on the Sintering Process of the Fe-Al-WC Composite Materials. Applied Mechanics and Materials, 2013, 281, 400-403.	0.2	1
152	Microbial battery for efficient energy recovery. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15925-15930.	3.3	67
153	A Dynamic and Energy-Efficient Clustering Algorithm in Large-Scale Mobile Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 909243.	1.3	6
154	Tests of Mechanical Characteristics of Steel Fiber Reinforced Concrete Wall-Beams Simply Supported. Advanced Materials Research, 2012, 446-449, 3355-3359.	0.3	0
155	Hepatocarcinogenesis in FXR <sup>-/-</sup> Mice Mimics Human HCC Progression That Operates through HNF1 $\alpha$ Regulation of FXR Expression. Molecular Endocrinology, 2012, 26, 775-785.	3.7	97
156	Research Progress and Application Prospect of High Oil-Absorbing Resins. Applied Mechanics and Materials, 2012, 209-211, 1199-1202.	0.2	2
157	Theoretical research on short circuit fault of rotor inner winding in large turbo generator. , 2012, , .		1
158	Research on lightning over-voltage in 1000kV gas insulated switchgear substation. , 2012, , .		0
159	Welding of Fe-Al Intermetallic Compound and Steel by SPS Technology. Advanced Materials Research, 2012, 581-582, 582-585.	0.3	0
160	V551 Aur, an oEA binary with g-mode pulsations?. Research in Astronomy and Astrophysics, 2012, 12, 671-677.	0.7	7
161	<i>In Vitro</i> and <i>In Vivo</i> Immunomodulatory Activities of an Acidic Polysaccharide from <i>Gracilaria lemaneiformis</i> . Advanced Materials Research, 2012, 468-471, 1941-1945.	0.3	2
162	Carbon nanotube-coated macroporous sponge for microbial fuel cell electrodes. Energy and Environmental Science, 2012, 5, 5265-5270.	15.6	284

#	ARTICLE	IF	CITATIONS
163	Graphene "sponges" as high-performance low-cost anodes for microbial fuel cells. <i>Energy and Environmental Science</i> , 2012, 5, 6862.	15.6	264
164	Are circulating autoantibodies to ABCC3 transporter a potential biomarker for lung cancer?. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012, 138, 1737-1742.	1.2	15
165	Human Plasma Metabolic Profiles of Coronary Heart Disease by Gas Chromatography-Mass Spectrometry with Monte Carlo Tree Approach. <i>Analytical Letters</i> , 2012, 45, 2185-2197.	1.0	2
166	<i>In Situ</i> X-ray Diffraction Studies of (De)lithiation Mechanism in Silicon Nanowire Anodes. <i>ACS Nano</i> , 2012, 6, 5465-5473.	7.3	156
167	Highly efficient synthesis and antitumor activity of monosaccharide saponins mimicking components of Chinese folk medicine <i>Cordyceps sinensis</i> . <i>Journal of Asian Natural Products Research</i> , 2012, 14, 429-435.	0.7	10
168	Engineering Empty Space between Si Nanoparticles for Lithium-Ion Battery Anodes. <i>Nano Letters</i> , 2012, 12, 904-909.	4.5	658
169	Improving the cycling stability of silicon nanowire anodes with conducting polymer coatings. <i>Energy and Environmental Science</i> , 2012, 5, 7927.	15.6	265
170	Polysaccharides from <i>Lycium barbarum</i> leaves: Isolation, characterization and splenocyte proliferation activity. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 417-422.	3.6	105
171	Synthesis and characterization of DOX-conjugated dendrimer-modified magnetic iron oxide conjugates for magnetic resonance imaging, targeting, and drug delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 9594.	6.7	81
172	Hierarchical nanostructured conducting polymer hydrogel with high electrochemical activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9287-9292.	3.3	1,025
173	A Yolk-Shell Design for Stabilized and Scalable Li-Ion Battery Alloy Anodes. <i>Nano Letters</i> , 2012, 12, 3315-3321.	4.5	1,587
174	Structure and anti-tumor activity of a high-molecular-weight polysaccharide from cultured mycelium of <i>Cordyceps gunnii</i> . <i>Carbohydrate Polymers</i> , 2012, 88, 1072-1076.	5.1	56
175	Protection of Selenium on Hepatic Mitochondrial Respiratory Control Ratio and Respiratory Chain Complex Activities in Ducklings Intoxicated with Aflatoxin B1. <i>Biological Trace Element Research</i> , 2012, 145, 312-317.	1.9	16
176	Functionalization of silicon nanowire surfaces with metal-organic frameworks. <i>Nano Research</i> , 2012, 5, 109-116.	5.8	63
177	Differential Protein Expression Profile Between CD20 Positive and Negative Cells of the NCI-H929 Cell Line. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 5409-5413.	0.5	0
178	Design of point to points multimedia sharing service based on IMS. , 2011, , .		0
179	Highly Conductive, Mechanically Robust, and Electrochemically Inactive Ti/C Nanofiber Scaffold for High-Performance Silicon Anode Batteries. <i>ACS Nano</i> , 2011, 5, 8346-8351.	7.3	122
180	Interconnected Silicon Hollow Nanospheres for Lithium-Ion Battery Anodes with Long Cycle Life. <i>Nano Letters</i> , 2011, 11, 2949-2954.	4.5	1,278

#	ARTICLE	IF	CITATIONS
181	Prelithiated Silicon Nanowires as an Anode for Lithium Ion Batteries. <i>ACS Nano</i> , 2011, 5, 6487-6493.	7.3	471
182	Symmetrical MnO <sub>2</sub> â€“Carbon Nanotubeâ€“Textile Nanostructures for Wearable Pseudocapacitors with High Mass Loading. <i>ACS Nano</i> , 2011, 5, 8904-8913.	7.3	582
183	Coreâ€“Shell Structured Up-Conversion Luminescent and Mesoporous NaYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> @ <i>m</i> /SiO <sub>2</sub> @ <i>m</i> /SiO <sub>2</sub> Nanospheres as Carriers for Drug Delivery. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15801-15811.		152
184	Insufficient bile acid signaling impairs liver repair in CYP27A <sup>-/-</sup> mice. <i>Journal of Hepatology</i> , 2011, 55, 885-895.	1.8	40
185	Direct and callus-mediated regeneration of <i>Curcuma soloensis</i> Valetton (Zingiberaceae) and ex vitro performance of regenerated plants. <i>Scientia Horticulturae</i> , 2011, 130, 899-905.	1.7	15
186	Enhancing the Supercapacitor Performance of Graphene/MnO <sub>2</sub> Nanostructured Electrodes by Conductive Wrapping. <i>Nano Letters</i> , 2011, 11, 4438-4442.	4.5	1,062
187	In vitro plant regeneration from organogenic callus of <i>Curcuma kwangsiensis</i> Lindl. (Zingiberaceae). <i>Plant Growth Regulation</i> , 2011, 64, 141-145.	1.8	18
188	Synthesis of High-Purity SnO <sub>2</sub> Nanobelts by Using Exothermic Reaction. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-5.	1.5	13
189	Role of 12-lipoxygenase in decreasing P-cadherin and increasing angiotensin II type 1 receptor expression according to glomerular size in type 2 diabetic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E708-E716.	1.8	15
190	Adaptive evolution and structure modeling of rbcL gene in <i>Ephedra</i> . <i>Science Bulletin</i> , 2010, 55, 2341-2346.	1.7	5
191	Evolution of Helical Mesostructures. <i>Chemistry - A European Journal</i> , 2010, 16, 1629-1637.	1.7	16
192	Identification of complement C3fâ€“desArg and its derivative for acute leukemia diagnosis and minimal residual disease assessment. <i>Proteomics</i> , 2010, 10, 90-98.	1.3	26
193	Trafficking Defects and Gating Abnormalities of a Novel <i>SCN5A</i> Mutation Question Gene-Specific Therapy in Long QT Syndrome Type 3. <i>Circulation Research</i> , 2010, 106, 1374-1383.	2.0	73
194	Complete Mitochondrial Genome Sequence of <i>Acrida cinerea</i> (Acrididae: Orthoptera) and Comparative Analysis of Mitochondrial Genomes in Orthoptera. <i>Comparative and Functional Genomics</i> , 2010, 2010, 1-16.	2.0	12
195	FXR Regulates Liver Repair after CCl <sub>4</sub> -Induced Toxic Injury. <i>Molecular Endocrinology</i> , 2010, 24, 886-897.	3.7	100
196	Insulation Monitoring For Suspension Insulator Using Electromagnetic Signal Processing. , 2010, , .		0
197	Oligomers of a 5-Carboxy-methanopyrrolidine Î²-Amino Acid. A Search for Order. <i>Organic Letters</i> , 2010, 12, 5438-5441.	2.4	22
198	Solving hierarchical helical mesostructures by electron tomography. <i>Chemical Communications</i> , 2010, 46, 1688.	2.2	8

#	ARTICLE	IF	CITATIONS
199	<i>Hedychium longipetalum</i> (Zingiberaceae), a New Species from Yunnan, China. <i>Annales Botanici Fennici</i> , 2010, 47, 237-239.	0.0	3
200	The reconstruction of the finite element model of artificial knee joint based on RE technology. , 2009, , .		0
201	A novel model for query over encrypted XML databases. , 2009, , .		1
202	Periodic Mesoporous Organosilicas with Helical and Concentric Circular Pore Architectures. <i>Chemistry - A European Journal</i> , 2009, 15, 11319-11325.	1.7	22
203	Phylogenetic relationships and divergence times of the family Araucariaceae based on the DNA sequences of eight genes. <i>Science Bulletin</i> , 2009, 54, 2648-2655.	4.3	21
204	Electron Tomography Determination of the Packing Structure of Macroporous Ordered Siliceous Foams Assembled From Vesicles. <i>Small</i> , 2009, 5, 377-382.	5.2	22
205	On the Equilibrium of Helical Nanostructures with Ordered Mesopores. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16178-16183.	1.2	7
206	New Understanding and Simple Approach to Synthesize Highly Hydrothermally Stable and Ordered Mesoporous Materials. <i>Chemistry of Materials</i> , 2009, 21, 5413-5425.	3.2	69
207	Sodium channel mutations and arrhythmias. <i>Nature Reviews Cardiology</i> , 2009, 6, 337-348.	6.1	260
208	Preparation of Siliceous Vesicles with Adjustable Sizes, Wall Thickness, and Shapes. <i>Chemistry Letters</i> , 2009, 38, 442-443.	0.7	10
209	Solving Complex Concentric Circular Mesostructures by Using Electron Tomography. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6670-6673.	7.2	24
210	Phylogenetic analysis and genetic mapping of Chinese <i>Hedychium</i> using SRAP markers. <i>Scientia Horticulturae</i> , 2008, 117, 369-377.	1.7	39
211	Simulation and Study of Self-Adaptive Bacterial Colony Chemotaxis Algorithm. , 2008, , .		1
212	A HYBRID FINITE ELEMENT CALCULATION OF COMPLEX ELECTROMAGNETIC FIELDS. <i>Modern Physics Letters B</i> , 2008, 22, 269-274.	1.0	2
213	STUDY OF COMPLEX ELECTROMAGNETIC FIELD USING HYBRID ISOPARAMETRIC FINITE ELEMENTS. <i>Modern Physics Letters B</i> , 2008, 22, 2429-2434.	1.0	0
214	NEW FINITE ELEMENT METHOD OF ELECTROMAGNETIC CALCULATION FOR COMPLEX ELECTROMAGNETIC FIELDS. <i>Modern Physics Letters B</i> , 2007, 21, 655-662.	1.0	2
215	FIBER-OPTIC TEMPERATURE TESTING FOR HIGH VOLTAGE EQUIPMENT. <i>Modern Physics Letters B</i> , 2007, 21, 1537-1543.	1.0	0
216	Gating Properties of <i>SCN5A</i> Mutations and the Response to Mexiletine in Long-QT Syndrome Type 3 Patients. <i>Circulation</i> , 2007, 116, 1137-1144.	1.6	194

#	ARTICLE	IF	CITATIONS
217	STUDY OF ELECTROMAGNETIC FIELD SIMULATION USING TWO KINDS OF FINITE ELEMENT METHODS. Modern Physics Letters B, 2006, 20, 1173-1181.	1.0	3
218	Corrosion-Resistance of Ni<sub>3</sub>Al Intermetallic Compounds Containing Cr Synthesized via Spark Plasma Sintering Process. Advanced Materials Research, 0, 581-582, 1006-1009.	0.3	0
219	Experimental Study on Working Performance of Axially Loaded Short Columns with Micro-Expansive Concrete Filled Steel Tube. Advanced Materials Research, 0, 424-425, 1228-1232.	0.3	0
220	Finite Element Analysis of Treating Distal Femoral Fractures by LISS. Applied Mechanics and Materials, 0, 184-185, 227-230.	0.2	0