

Nian Liu

List of Publications by Year in descending order

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220
papers

33,142
citations

10351

72
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3714

179
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227
all docs

227
docs citations

227
times ranked

32018
citing authors

#	ARTICLE	IF	CITATIONS
1	The path towards sustainable energy. Nature Materials, 2017, 16, 16-22.	13.3	3,288
2	A pomegranate-inspired nanoscale design for large-volume-change lithium battery anodes. Nature Nanotechnology, 2014, 9, 187-192.	15.6	2,109
3	A Yolk-Shell Design for Stabilized and Scalable Li-Ion Battery Alloy Anodes. Nano Letters, 2012, 12, 3315-3321.	4.5	1,587
4	Promises and challenges of nanomaterials for lithium-based rechargeable batteries. Nature Energy, 2016, 1, .	19.8	1,388
5	Interconnected Silicon Hollow Nanospheres for Lithium-Ion Battery Anodes with Long Cycle Life. Nano Letters, 2011, 11, 2949-2954.	4.5	1,278
6	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
7	Enhancing the Supercapacitor Performance of Graphene/MnO ₂ Nanostructured Electrodes by Conductive Wrapping. Nano Letters, 2011, 11, 4438-4442.	4.5	1,062
8	Hierarchical nanostructured conducting polymer hydrogel with high electrochemical activity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9287-9292.	3.3	1,025
9	Ionic Conductivity Enhancement of Polymer Electrolytes with Ceramic Nanowire Fillers. Nano Letters, 2015, 15, 2740-2745.	4.5	782
10	Formation of Stable Phosphorus-Carbon Bond for Enhanced Performance in Black Phosphorus Nanoparticle-Graphite Composite Battery Anodes. Nano Letters, 2014, 14, 4573-4580.	4.5	764
11	Challenges and Recent Progress in the Development of Si Anodes for Lithium-Ion Battery. Advanced Energy Materials, 2017, 7, 1700715.	10.2	709
12	Transparent air filter for high-efficiency PM2.5 capture. Nature Communications, 2015, 6, 6205.	5.8	690
13	Engineering Empty Space between Si Nanoparticles for Lithium-Ion Battery Anodes. Nano Letters, 2012, 12, 904-909.	4.5	658
14	MoSe ₂ and WSe ₂ Nanofilms with Vertically Aligned Molecular Layers on Curved and Rough Surfaces. Nano Letters, 2013, 13, 3426-3433.	4.5	653
15	Growth of conformal graphene cages on micrometre-sized silicon particles as stable battery anodes. Nature Energy, 2016, 1, .	19.8	609
16	Symmetrical MnO ₂ -Carbon Nanotube-Textile Nanostructures for Wearable Pseudocapacitors with High Mass Loading. ACS Nano, 2011, 5, 8904-8913.	7.3	582
17	Polymer Nanofiber-Guided Uniform Lithium Deposition for Battery Electrodes. Nano Letters, 2015, 15, 2910-2916.	4.5	495
18	Prelithiated Silicon Nanowires as an Anode for Lithium Ion Batteries. ACS Nano, 2011, 5, 6487-6493.	7.3	471

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19	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
20	Nanofiber Air Filters with High-Temperature Stability for Efficient PM _{2.5} Removal from the Pollution Sources. <i>Nano Letters</i> , 2016, 16, 3642-3649.	4.5	456
21	Manganese hexacyanomanganate open framework as a high-capacity positive electrode material for sodium-ion batteries. <i>Nature Communications</i> , 2014, 5, 5280.	5.8	446
22	Full open-framework batteries for stationary energy storage. <i>Nature Communications</i> , 2014, 5, 3007.	5.8	440
23	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
24	Transparent and conductive paper from nanocellulose fibers. <i>Energy and Environmental Science</i> , 2013, 6, 513-518.	15.6	431
25	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
26	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
27	A Silica-Aerogel-Reinforced Composite Polymer Electrolyte with High Ionic Conductivity and High Modulus. <i>Advanced Materials</i> , 2018, 30, e1802661.	11.1	392
28	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
29	Artificial Solid Electrolyte Interphase-Protected Li _x 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
30	Carbon nanotube-coated macroporous sponge for microbial fuel cell electrodes. <i>Energy and Environmental Science</i> , 2012, 5, 5265-5270.	15.6	284
31	Dry-air-stable lithium silicide "lithium oxide core" shell nanoparticles as high-capacity prelithiation reagents. <i>Nature Communications</i> , 2014, 5, 5088.	5.8	276
32	Improving the cycling stability of silicon nanowire anodes with conducting polymer coatings. <i>Energy and Environmental Science</i> , 2012, 5, 7927.	15.6	265
33	High-capacity battery cathode prelithiation to offset initial lithium loss. <i>Nature Energy</i> , 2016, 1, .	19.8	265
34	Graphene "sponges" as high-performance low-cost anodes for microbial fuel cells. <i>Energy and Environmental Science</i> , 2012, 5, 6862.	15.6	264
35	Sodium channel mutations and arrhythmias. <i>Nature Reviews Cardiology</i> , 2009, 6, 337-348.	6.1	260
36	Graphite-Encapsulated Li-Metal Hybrid Anodes for High-Capacity Li Batteries. <i>CheM</i> , 2016, 1, 287-297.	5.8	247

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37	Crab Shells as Sustainable Templates from Nature for Nanostructured Battery Electrodes. <i>Nano Letters</i> , 2013, 13, 3385-3390.	4.5	208
38	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
39	Gating Properties of <i>hcn5a</i> Mutations and the Response to Mexiletine in Long-QT Syndrome Type 3 Patients. <i>Circulation</i> , 2007, 116, 1137-1144.	1.6	194
40	Crossroads in the renaissance of rechargeable aqueous zinc batteries. <i>Materials Today</i> , 2021, 45, 191-212.	8.3	171
41	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
42	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
43	Metabolic engineering in the host <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2018, 50, 192-208.	3.6	157
44	<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
45	Silicon-conductive nanopaper for Li-ion batteries. <i>Nano Energy</i> , 2013, 2, 138-145.	8.2	155
46	Core-Shell Structured Up-Conversion Luminescent and Mesoporous $\text{NaYF}_4:\text{Yb}^{3+}/\text{Er}^{3+}@ \text{SiO}_2 @ \text{mSiO}_2$ Nanospheres as Carriers for Drug Delivery. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15801-15811.		152
47	Graphene oxide-modified zinc anode for rechargeable aqueous batteries. <i>Chemical Engineering Science</i> , 2019, 194, 142-147.	1.9	152
48	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
49	Ion-Sieving Carbon Nanoshells for Deeply Rechargeable Zn-Based Aqueous Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802470.	10.2	139
50	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
51	Surface-Coating Regulated Lithiation Kinetics and Degradation in Silicon Nanowires for Lithium Ion Battery. <i>ACS Nano</i> , 2015, 9, 5559-5566.	7.3	118
52	In situ nanotomography and operando transmission X-ray microscopy of micron-sized Ge particles. <i>Energy and Environmental Science</i> , 2014, 7, 2771-2777.	15.6	117
53	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
54	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

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55	Understanding Phase Transformation in Crystalline Ge Anodes for Li-Ion Batteries. <i>Chemistry of Materials</i> , 2014, 26, 3739-3746.	3.2	112
56	Sealing ZnO nanorods for deeply rechargeable high-energy aqueous battery anodes. <i>Nano Energy</i> , 2018, 53, 666-674.	8.2	112
57	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
58	High-capacity Li ₂ S/graphene oxide composite cathodes with stable cycling performance. <i>Chemical Science</i> , 2014, 5, 1396.	3.7	109
59	Visualizing Battery Reactions and Processes by Using In Situ and In Operando Microscopies. <i>CheM</i> , 2018, 4, 438-465.	5.8	108
60	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
61	A safe and fast-charging lithium-ion battery anode using MXene supported Li ₃ VO ₄ . <i>Journal of Materials Chemistry A</i> , 2019, 7, 11250-11256.	5.2	106
62	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
63	Holistic Approaches in Lipid Production by <i>Yarrowia lipolytica</i> . <i>Trends in Biotechnology</i> , 2018, 36, 1157-1170.	4.9	104
64	FXR Regulates Liver Repair after CCl ₄ -Induced Toxic Injury. <i>Molecular Endocrinology</i> , 2010, 24, 886-897.	3.7	100
65	Hepatocarcinogenesis in FXR ^{-/-} Mice Mimics Human HCC Progression That Operates through HNF1 α Regulation of FXR Expression. <i>Molecular Endocrinology</i> , 2012, 26, 775-785.	3.7	97
66	Highly Nitridated Graphene-Li ₂ S Cathodes with Stable Modulated Cycles. <i>Advanced Energy Materials</i> , 2015, 5, 1501369.	10.2	97
67	Genetically engineered SCN5A mutant pig hearts exhibit conduction defects and arrhythmias. <i>Journal of Clinical Investigation</i> , 2015, 125, 403-412.	3.9	93
68	Deeply Rechargeable and Hydrogen-Evolution-Suppressing Zinc Anode in Alkaline Aqueous Electrolyte. <i>Nano Letters</i> , 2020, 20, 4700-4707.	4.5	89
69	Interfacial stabilizing effect of ZnO on Si anodes for lithium ion battery. <i>Nano Energy</i> , 2015, 13, 620-625.	8.2	88
70	Nanomaterials for electrochemical energy storage. <i>Frontiers of Physics</i> , 2014, 9, 323-350.	2.4	86
71	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
72	Nanostructured Electrode Materials for High-Energy Rechargeable Li, Na and Zn Batteries. <i>Chemistry of Materials</i> , 2017, 29, 9589-9604.	3.2	80

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73	Nickel-hydrogen batteries for large-scale energy storage. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11694-11699.	3.3	77
74	Enhancing isoprenoid synthesis in <i>Yarrowia lipolytica</i> by expressing the isopentenol utilization pathway and modulating intracellular hydrophobicity. Metabolic Engineering, 2020, 61, 344-351.	3.6	75
75	Trafficking Defects and Gating Abnormalities of a Novel <i>SCN5A</i> Mutation Question Gene-Specific Therapy in Long QT Syndrome Type 3. Circulation Research, 2010, 106, 1374-1383.	2.0	73
76	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
77	Application of metabolic controls for the maximization of lipid production in semicontinuous fermentation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5308-E5316.	3.3	72
78	Synergistic substrate cofeeding stimulates reductive metabolism. Nature Metabolism, 2019, 1, 643-651.	5.1	71
79	Understanding and Controlling the Nucleation and Growth of Zn Electrodeposits for Aqueous Zinc-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 32930-32936.	4.0	71
80	Removal of lycopene substrate inhibition enables high carotenoid productivity in <i>Yarrowia lipolytica</i> . Nature Communications, 2022, 13, 572.	5.8	70
81	New Understanding and Simple Approach to Synthesize Highly Hydrothermally Stable and Ordered Mesoporous Materials. Chemistry of Materials, 2009, 21, 5413-5425.	3.2	69
82	¹³ C Metabolic Flux Analysis of acetate conversion to lipids by <i>Yarrowia lipolytica</i> . Metabolic Engineering, 2016, 38, 86-97.	3.6	68
83	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
84	Nanoporous silicon networks as anodes for lithium ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 440-443.	1.3	65
85	Anchoring silicon on the basal plane of graphite via a three-phase heterostructure for highly reversible lithium storage. Energy Storage Materials, 2021, 34, 311-319.	9.5	65
86	Functionalization of silicon nanowire surfaces with metal-organic frameworks. Nano Research, 2012, 5, 109-116.	5.8	63
87	Mixed carbon substrates: a necessary nuisance or a missed opportunity?. Current Opinion in Biotechnology, 2020, 62, 15-21.	3.3	63
88	A deeply rechargeable zinc anode with pomegranate-inspired nanostructure for high-energy aqueous batteries. Journal of Materials Chemistry A, 2018, 6, 21933-21940.	5.2	61
89	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
90	A Cu ₃ P nanowire enabling high-efficiency, reliable, and energy-efficient low-voltage electroporation-inactivation of pathogens in water. Journal of Materials Chemistry A, 2018, 6, 18813-18820.	5.2	59

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91	Li ⁺ -Containing, Continuous Silica Nanofibers for High Li ⁺ Conductivity in Composite Polymer Electrolyte. <i>Small</i> , 2019, 15, e1902729.	5.2	58
92	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
93	Nanopurification of silicon from 84% to 99.999% purity with a simple and scalable process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13473-13477.	3.3	56
94	Hybrid NiO/Co ₃ O ₄ nanoflowers as high-performance anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 420, 130469.	6.6	56
95	Morphology and property investigation of primary particulate matter particles from different sources. <i>Nano Research</i> , 2018, 11, 3182-3192.	5.8	54
96	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
97	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
98	Enhancing hydrogen-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
99	Towards a higher-level Ensifera phylogeny inferred from mitogenome sequences. <i>Molecular Phylogenetics and Evolution</i> , 2017, 108, 22-33.	1.2	45
100	Development of a Three-Dimensional Electrochemical System Using a Blue TiO ₂ /SnO ₂ -Sb ₂ O ₃ Anode for Treating Low-Ionic-Strength Wastewater. <i>Environmental Science & Technology</i> , 2019, 53, 13784-13793.	4.6	45
101	Insufficient bile acid signaling impairs liver repair in CYP27 ^{−/−} mice. <i>Journal of Hepatology</i> , 2011, 55, 885-895.	1.8	40
102	Phylogenetic analysis and genetic mapping of Chinese Hedychium using SRAP markers. <i>Scientia Horticulturae</i> , 2008, 117, 369-377.	1.7	39
103	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
104	Dissolution-Redeposition Mechanism of the MnO ₂ Cathode in Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 12267-12274.	2.5	39
105	Three-Dimensional-Percolated Ceramic Nanoparticles along Natural-Cellulose-Derived Hierarchical Networks for High Li ⁺ Conductivity and Mechanical Strength. <i>Nano Letters</i> , 2020, 20, 7397-7404.	4.5	37
106	Elastic moduli of polycrystalline Li ₁₅ Si ₄ produced in lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 242, 732-735.	4.0	36
107	Classification of Green and Black Teas by PCA and SVM Analysis of Cyclic Voltammetric Signals from Metallic Oxide-Modified Electrode. <i>Food Analytical Methods</i> , 2014, 7, 472-480.	1.3	36
108	Bright sub-20-nm cathodoluminescent nanoprobe for electron microscopy. <i>Nature Nanotechnology</i> , 2019, 14, 420-425.	15.6	36

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109	Co-Ni Alloy Encapsulated by N-doped Graphene as a Cathode Catalyst for Rechargeable Hybrid Li-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4366-4372.	4.0	34
110	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
111	Synthesis of high-titer alkanes in <i>Yarrowia lipolytica</i> is enabled by a discovered mechanism. <i>Nature Communications</i> , 2020, 11, 6198.	5.8	32
112	Hybrid NiO/Co ₃ O ₄ Nanoflowers As High-Performance Anode Materials for Lithium-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 249-249.	0.0	32
113	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
114	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
115	Identification of complement C3 β and its derivative for acute leukemia diagnosis and minimal residual disease assessment. <i>Proteomics</i> , 2010, 10, 90-98.	1.3	26
116	Solving Complex Concentric Circular Mesostructures by Using Electron Tomography. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6670-6673.	7.2	24
117	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
118	Polypropylene Carbonate-Based Adaptive Buffer Layer for Stable Interfaces of Solid Polymer Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27906-27912.	4.0	24
119	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
120	Periodic Mesoporous Organosilicas with Helical and Concentric Circular Pore Architectures. <i>Chemistry - A European Journal</i> , 2009, 15, 11319-11325.	1.7	22
121	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
122	Oligomers of a 5-Carboxy-methanopyrrolidine β -Amino Acid. A Search for Order. <i>Organic Letters</i> , 2010, 12, 5438-5441.	2.4	22
123	Electrotunable liquid sulfur microdroplets. <i>Nature Communications</i> , 2020, 11, 606.	5.8	22
124	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
125	A pH-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
126	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

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127	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
128	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
129	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
130	Are Porous Polymers Practical to Protect Li-Metal Anodes? Current Strategies and Future Opportunities. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
131	Evolution of Helical Mesosstructures. <i>Chemistry - A European Journal</i> , 2010, 16, 1629-1637.	1.7	16
132	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
133	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
134	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
135	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
136	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
137	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
138	A Novel Phase of $\text{Li}_{15}\text{Si}_4$ Synthesized under Pressure. <i>Advanced Energy Materials</i> , 2015, 5, 1500214.	10.2	14
139	In Situ/Operando Insights into the Stability and Degradation Mechanisms of Heterogeneous Electrocatalysts. <i>Small</i> , 2022, 18, e2104205.	5.2	14
140	Synthesis of High-Purity SnO_2 Nanobelts by Using Exothermic Reaction. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-5.	1.5	13
141	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
142	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
143	A Three-Dimensional Nano-web Scaffold of Ferroelectric Beta-PVDF Fibers for Lithium Metal Plating and Stripping. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29235-29241.	4.0	12
144	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

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145	Preparation of Siliceous Vesicles with Adjustable Sizes, Wall Thickness, and Shapes. <i>Chemistry Letters</i> , 2009, 38, 442-443.	0.7	10
146	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
147	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
148	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
149	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_2O_4 . <i>Chemistry - A European Journal</i> , 2021, 27, 12900-12909.	1.7	9
150	Solving hierarchical helical mesostructures by electron tomography. <i>Chemical Communications</i> , 2010, 46, 1688.	2.2	8
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