

Nian Liu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5251173/nian-liu-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

194
papers

25,998
citations

65
h-index

161
g-index

227
ext. papers

29,631
ext. citations

11.2
avg, IF

7.43
L-index

#	Paper	IF	Citations
194	The path towards sustainable energy. <i>Nature Materials</i> , 2016 , 16, 16-22	27	2141
193	A pomegranate-inspired nanoscale design for large-volume-change lithium battery anodes. <i>Nature Nanotechnology</i> , 2014 , 9, 187-92	28.7	1804
192	A yolk-shell design for stabilized and scalable li-ion battery alloy anodes. <i>Nano Letters</i> , 2012 , 12, 3315-21	11.5	1410
191	Interconnected silicon hollow nanospheres for lithium-ion battery anodes with long cycle life. <i>Nano Letters</i> , 2011 , 11, 2949-54	11.5	1155
190	Promises and challenges of nanomaterials for lithium-based rechargeable batteries. <i>Nature Energy</i> , 2016 , 1,	62.3	1080
189	Enhancing the supercapacitor performance of graphene/MnO ₂ nanostructured electrodes by conductive wrapping. <i>Nano Letters</i> , 2011 , 11, 4438-42	11.5	987
188	Stable Li-ion battery anodes by in-situ polymerization of conducting hydrogel to conformally coat silicon nanoparticles. <i>Nature Communications</i> , 2013 , 4, 1943	17.4	971
187	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, 9287-92	11.5	850
186	Formation of stable phosphorus-carbon bond for enhanced performance in black phosphorus nanoparticle-graphite composite battery anodes. <i>Nano Letters</i> , 2014 , 14, 4573-80	11.5	627
185	Engineering empty space between Si nanoparticles for lithium-ion battery anodes. <i>Nano Letters</i> , 2012 , 12, 904-9	11.5	602
184	Ionic conductivity enhancement of polymer electrolytes with ceramic nanowire fillers. <i>Nano Letters</i> , 2015 , 15, 2740-5	11.5	589
183	MoSe ₂ and WSe ₂ nanofilms with vertically aligned molecular layers on curved and rough surfaces. <i>Nano Letters</i> , 2013 , 13, 3426-33	11.5	579
182	Symmetrical MnO ₂ -carbon nanotube-textile nanostructures for wearable pseudocapacitors with high mass loading. <i>ACS Nano</i> , 2011 , 5, 8904-13	16.7	540
181	Transparent air filter for high-efficiency PM _{2.5} capture. <i>Nature Communications</i> , 2015 , 6, 6205	17.4	525
180	Growth of conformal graphene cages on micrometre-sized silicon particles as stable battery anodes. <i>Nature Energy</i> , 2016 , 1,	62.3	509
179	Challenges and Recent Progress in the Development of Si Anodes for Lithium-Ion Battery. <i>Advanced Energy Materials</i> , 2017 , 7, 1700715	21.8	459
178	Polymer nanofiber-guided uniform lithium deposition for battery electrodes. <i>Nano Letters</i> , 2015 , 15, 2910-6	11.5	406

177	Prelithiated silicon nanowires as an anode for lithium ion batteries. <i>ACS Nano</i> , 2011 , 5, 6487-93	16.7	392
176	Transparent and conductive paper from nanocellulose fibers. <i>Energy and Environmental Science</i> , 2013 , 6, 513-518	35.4	375
175	Nonfilling carbon coating of porous silicon micrometer-sized particles for high-performance lithium battery anodes. <i>ACS Nano</i> , 2015 , 9, 2540-7	16.7	372
174	Full open-framework batteries for stationary energy storage. <i>Nature Communications</i> , 2014 , 5, 3007	17.4	367
173	Manganese hexacyanomanganate open framework as a high-capacity positive electrode material for sodium-ion batteries. <i>Nature Communications</i> , 2014 , 5, 5280	17.4	357
172	Lithium Metal Anodes with an Adaptive "Solid-Liquid" Interfacial Protective Layer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4815-4820	16.4	352
171	Rice husks as a sustainable source of nanostructured silicon for high performance Li-ion battery anodes. <i>Scientific Reports</i> , 2013 , 3, 1919	4.9	349
170	Nanofiber Air Filters with High-Temperature Stability for Efficient PM2.5 Removal from the Pollution Sources. <i>Nano Letters</i> , 2016 , 16, 3642-9	11.5	344
169	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, 7148-53	11.5	340
168	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	35.4	339
167	Carbon nanotube-coated macroporous sponge for microbial fuel cell electrodes. <i>Energy and Environmental Science</i> , 2012 , 5, 5265-5270	35.4	255
166	A Silica-Aerogel-Reinforced Composite Polymer Electrolyte with High Ionic Conductivity and High Modulus. <i>Advanced Materials</i> , 2018 , 30, e1802661	24	242
165	Graphene sponges as high-performance low-cost anodes for microbial fuel cells. <i>Energy and Environmental Science</i> , 2012 , 5, 6862	35.4	239
164	Improving the cycling stability of silicon nanowire anodes with conducting polymer coatings. <i>Energy and Environmental Science</i> , 2012 , 5, 7927	35.4	239
163	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, 8372-5	16.4	232
162	Sodium channel mutations and arrhythmias. <i>Nature Reviews Cardiology</i> , 2009 , 6, 337-48	14.8	226
161	Dry-air-stable lithium silicide-lithium oxide core-shell nanoparticles as high-capacity prelithiation reagents. <i>Nature Communications</i> , 2014 , 5, 5088	17.4	203
160	Graphite-Encapsulated Li-Metal Hybrid Anodes for High-Capacity Li Batteries. <i>Chem</i> , 2016 , 1, 287-297	16.2	197

159	Crab shells as sustainable templates from nature for nanostructured battery electrodes. <i>Nano Letters</i> , 2013 , 13, 3385-90	11.5	185
158	High-capacity battery cathode prelithiation to offset initial lithium loss. <i>Nature Energy</i> , 2016 , 1,	62.3	169
157	A Stretchable Graphitic Carbon/Si Anode Enabled by Conformal Coating of a Self-Healing Elastic Polymer. <i>Advanced Materials</i> , 2016 , 28, 2455-61	24	163
156	Gating properties of SCN5A mutations and the response to mexiletine in long-QT syndrome type 3 patients. <i>Circulation</i> , 2007 , 116, 1137-44	16.7	159
155	Core-shell Structured Up-Conversion Luminescent and Mesoporous NaYF ₄ :Yb ³⁺ /Er ³⁺ @nSiO ₂ @mSiO ₂ Nanospheres as Carriers for Drug Delivery. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15801-15811	3.8	140
154	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	19.4	139
153	In situ X-ray diffraction studies of (de)lithiation mechanism in silicon nanowire anodes. <i>ACS Nano</i> , 2012 , 6, 5465-73	16.7	137
152	Silicon-conductive nanopaper for Li-ion batteries. <i>Nano Energy</i> , 2013 , 2, 138-145	17.1	137
151	Conducting nanosponge electroporation for affordable and high-efficiency disinfection of bacteria and viruses in water. <i>Nano Letters</i> , 2013 , 13, 4288-93	11.5	130
150	In situ nanotomography and operando transmission X-ray microscopy of micron-sized Ge particles. <i>Energy and Environmental Science</i> , 2014 , 7, 2771-2777	35.4	110
149	Highly conductive, mechanically robust, and electrochemically inactive TiC/C nanofiber scaffold for high-performance silicon anode batteries. <i>ACS Nano</i> , 2011 , 5, 8346-51	16.7	109
148	Surface-coating regulated lithiation kinetics and degradation in silicon nanowires for lithium ion battery. <i>ACS Nano</i> , 2015 , 9, 5559-66	16.7	99
147	High-capacity Li ₂ S/graphene oxide composite cathodes with stable cycling performance. <i>Chemical Science</i> , 2014 , 5, 1396	9.4	99
146	Understanding Phase Transformation in Crystalline Ge Anodes for Li-Ion Batteries. <i>Chemistry of Materials</i> , 2014 , 26, 3739-3746	9.6	98
145	Metabolic engineering in the host <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2018 , 50, 192-208	9.7	95
144	Graphene oxide-modified zinc anode for rechargeable aqueous batteries. <i>Chemical Engineering Science</i> , 2019 , 194, 142-147	4.4	94
143	FXR regulates liver repair after CCl ₄ -induced toxic injury. <i>Molecular Endocrinology</i> , 2010 , 24, 886-97		90
142	In situ measurement of lithiation-induced stress in silicon nanoparticles using micro-Raman spectroscopy. <i>Nano Energy</i> , 2016 , 22, 105-110	17.1	87

141	Highly Nitridated Graphene i2S Cathodes with Stable Modulated Cycles. <i>Advanced Energy Materials</i> , 2015 , 5, 1501369	21.8	87
140	Ion-Sieving Carbon Nanoshells for Deeply Rechargeable Zn-Based Aqueous Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1802470	21.8	86
139	Polysaccharides from Lycium barbarum leaves: isolation, characterization and splenocyte proliferation activity. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 417-22	7.9	84
138	Sealing ZnO nanorods for deeply rechargeable high-energy aqueous battery anodes. <i>Nano Energy</i> , 2018 , 53, 666-674	17.1	82
137	Hepatocarcinogenesis in FXR-/- mice mimics human HCC progression that operates through HNF1B regulation of FXR expression. <i>Molecular Endocrinology</i> , 2012 , 26, 775-85		78
136	Visualizing Battery Reactions and Processes by Using In Situ and In Operando Microscopies. <i>Chem</i> , 2018 , 4, 438-465	16.2	77
135	Nanomaterials for electrochemical energy storage. <i>Frontiers of Physics</i> , 2014 , 9, 323-350	3.7	77
134	Interfacial stabilizing effect of ZnO on Si anodes for lithium ion battery. <i>Nano Energy</i> , 2015 , 13, 620-625	17.1	76
133	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		70
132	Genetically engineered SCN5A mutant pig hearts exhibit conduction defects and arrhythmias. <i>Journal of Clinical Investigation</i> , 2015 , 125, 403-12	15.9	68
131	New Understanding and Simple Approach to Synthesize Highly Hydrothermally Stable and Ordered Mesoporous Materials. <i>Chemistry of Materials</i> , 2009 , 21, 5413-5425	9.6	67
130	A safe and fast-charging lithium-ion battery anode using MXene supported Li3VO4. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11250-11256	13	65
129	Holistic Approaches in Lipid Production by <i>Yarrowia lipolytica</i> . <i>Trends in Biotechnology</i> , 2018 , 36, 1157-1170	17.0	65
128	Trafficking defects and gating abnormalities of a novel SCN5A mutation question gene-specific therapy in long QT syndrome type 3. <i>Circulation Research</i> , 2010 , 106, 1374-83	15.7	61
127	Nanostructured Electrode Materials for High-Energy Rechargeable Li, Na and Zn Batteries. <i>Chemistry of Materials</i> , 2017 , 29, 9589-9604	9.6	60
126	Carbonaceous microspheres prepared by hydrothermal carbonization of glucose for direct use in catalytic dehydration of fructose. <i>RSC Advances</i> , 2015 , 5, 17526-17531	3.7	59
125	Nanoporous silicon networks as anodes for lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 440-3	3.6	57
124	Functionalization of silicon nanowire surfaces with metal-organic frameworks. <i>Nano Research</i> , 2012 , 5, 109-116	10	55

123	Microbial battery for efficient energy recovery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15925-30	11.5	55
122	Deeply Rechargeable and Hydrogen-Evolution-Suppressing Zinc Anode in Alkaline Aqueous Electrolyte. <i>Nano Letters</i> , 2020 , 20, 4700-4707	11.5	53
121	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	11.5	50
120	Production of 5-hydroxymethylfurfural from corn stalk catalyzed by corn stalk-derived carbonaceous solid acid catalyst. <i>Bioresource Technology</i> , 2014 , 173, 462-466	11	49
119	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	20.1	49
118	Crossroads in the renaissance of rechargeable aqueous zinc batteries. <i>Materials Today</i> , 2021 , 45, 191-212	21.8	48
117	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	10.3	47
116	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, 13473-7	11.5	46
115	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	14.7	43
114	C Metabolic Flux Analysis of acetate conversion to lipids by <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2016 , 38, 86-97	9.7	43
113	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	13	43
112	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	21.8	41
111	A Cu ₃ 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	13	39
110	Ionic conductive polymers as artificial solid electrolyte interphase films in Li metal batteries: A review. <i>Materials Today</i> , 2020 , 40, 140-159	21.8	37
109	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	11.5	37
108	Synergistic substrate cofeeding stimulates reductive metabolism. <i>Nature Metabolism</i> , 2019 , 1, 643-651	14.6	35
107	Insufficient bile acid signaling impairs liver repair in CYP27(-/-) mice. <i>Journal of Hepatology</i> , 2011 , 55, 885-95	13.4	35
106	Elastic moduli of polycrystalline Li ₁₅ Si ₄ produced in lithium ion batteries. <i>Journal of Power Sources</i> , 2013 , 242, 732-735	8.9	33

105	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	9.7	33
104	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	19.4	33
103	Morphology and property investigation of primary particulate matter particles from different sources. <i>Nano Research</i> , 2018 , 11, 3182-3192	10	33
102	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	3.4	32
101	Phylogenetic analysis and genetic mapping of Chinese Hedychium using SRAP markers. <i>Scientia Horticulturae</i> , 2008 , 117, 369-377	4.1	32
100	Mixed carbon substrates: a necessary nuisance or a missed opportunity?. <i>Current Opinion in Biotechnology</i> , 2020 , 62, 15-21	11.4	32
99	Self-Assembling Films of Covalent Organic Frameworks Enable Long-Term, Efficient Cycling of Zinc-Ion Batteries. <i>Advanced Materials</i> , 2021 , 33, e2101726	24	31
98	Towards a higher-level Ensifera phylogeny inferred from mitogenome sequences. <i>Molecular Phylogenetics and Evolution</i> , 2017 , 108, 22-33	4.1	30
97	Li-Containing, Continuous Silica Nanofibers for High Li Conductivity in Composite Polymer Electrolyte. <i>Small</i> , 2019 , 15, e1902729	11	29
96	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	4.9	28
95	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	4.9	27
94	A Lasagna-Inspired Nanoscale ZnO Anode Design for High-Energy Rechargeable Aqueous Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6345-6351	6.1	27
93	Identification of complement C3f-desArg and its derivative for acute leukemia diagnosis and minimal residual disease assessment. <i>Proteomics</i> , 2010 , 10, 90-8	4.8	24
92	Solving complex concentric circular mesostructures by using electron tomography. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6670-3	16.4	24
91	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	11.5	24
90	Development of a Three-Dimensional Electrochemical System Using a Blue TiO/SnO-SbO Anode for Treating Low-Ionic-Strength Wastewater. <i>Environmental Science & Technology</i> , 2019 , 53, 13784-13793	10.3	23
89	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	9.5	22
88	Bright sub-20-nm cathodoluminescent nanoprobe for electron microscopy. <i>Nature Nanotechnology</i> , 2019 , 14, 420-425	28.7	21

87	Engineering <i>Yarrowia lipolytica</i> for poly-3-hydroxybutyrate production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 605-612	4.2	21
86	Oligomers of a 5-carboxy-methanopyrrolidine amino acid. A search for order. <i>Organic Letters</i> , 2010 , 12, 5438-41	6.2	21
85	Periodic mesoporous organosilicas with helical and concentric circular pore architectures. <i>Chemistry - A European Journal</i> , 2009 , 15, 11319-25	4.8	21
84	Electron-tomography determination of the packing structure of macroporous ordered siliceous foams assembled from vesicles. <i>Small</i> , 2009 , 5, 377-82	11	21
83	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	3.5	19
82	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	9.5	17
81	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	2.7	17
80	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	10.6	17
79	Evolution of helical mesostructures. <i>Chemistry - A European Journal</i> , 2010 , 16, 1629-37	4.8	16
78	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	3	16
77	Hybrid NiO/Co ₃ O ₄ nanoflowers as high-performance anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 420, 130469	14.7	16
76	Are circulating autoantibodies to ABCC3 transporter a potential biomarker for lung cancer?. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012 , 138, 1737-42	4.9	15
75	Understanding and Controlling the Nucleation and Growth of Zn Electrodeposits for Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32930-32936	9.5	15
74	In Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15228-15234	16.4	14
73	Protection of selenium on hepatic mitochondrial respiratory control ratio and respiratory chain complex activities in ducklings intoxicated with aflatoxin B ₁ . <i>Biological Trace Element Research</i> , 2012 , 145, 312-7	4.5	14
72	In vitro plant regeneration from organogenic callus of <i>Curcuma kwangsiensis</i> Lindl. (Zingiberaceae). <i>Plant Growth Regulation</i> , 2011 , 64, 141-145	3.2	14
71	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, E708-16	6	13
70	A Novel Phase of Li ₁₅ Si ₄ Synthesized under Pressure. <i>Advanced Energy Materials</i> , 2015 , 5, 1500214	21.8	12

69	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	4.1	12
68	Polyphotosensitizer nanogels for GSH-responsive histone deacetylase inhibitors delivery and enhanced cancer photodynamic therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 188, 110753	6	12
67	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	11.5	12
66	Synthesis of high-titer alka(e)nes in <i>Yarrowia lipolytica</i> is enabled by a discovered mechanism. <i>Nature Communications</i> , 2020 , 11, 6198	17.4	11
65	Electrotunable liquid sulfur microdroplets. <i>Nature Communications</i> , 2020 , 11, 606	17.4	10
64	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	4.9	10
63	Preparation of Siliceous Vesicles with Adjustable Sizes, Wall Thickness, and Shapes. <i>Chemistry Letters</i> , 2009 , 38, 442-443	1.7	10
62	Solving hierarchical helical mesostructures by electron tomography. <i>Chemical Communications</i> , 2010 , 46, 1688-90	5.8	8
61	Removal of lycopene substrate inhibition enables high carotenoid productivity in <i>Yarrowia lipolytica</i> . <i>Nature Communications</i> , 2022 , 13, 572	17.4	8
60	An effective and accessible cell configuration for testing rechargeable zinc-based alkaline batteries. <i>Journal of Power Sources</i> , 2021 , 491, 229547	8.9	8
59	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, 429-35	1.5	7
58	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, 319486		7
57	On the equilibrium of helical nanostructures with ordered mesopores. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 16178-83	3.4	7
56	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	0.8	7
55	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	8.9	7
54	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	9.5	6
53	Electrotonic suppression of early afterdepolarizations in the neonatal rat ventricular myocyte monolayer. <i>Journal of Physiology</i> , 2013 , 591, 5357-64	3.9	6
52	V551 Aur, an oEA binary with g-mode pulsations?. <i>Research in Astronomy and Astrophysics</i> , 2012 , 12, 671-677	6.7	6

51	"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	4.6	4
50	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, 2844-5	1.3	4
49	In Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie</i> , 2019 , 131, 15372-15378	3.6	4
48	Synthesis of High-Purity SnO ₂ Nanobelts by Using Exothermic Reaction. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-5	3.2	4
47	Adaptive evolution and structure modeling of rbcL gene in Ephedra. <i>Science Bulletin</i> , 2010 , 55, 2341-2346		4
46	A Dynamic and Energy-Efficient Clustering Algorithm in Large-Scale Mobile Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2013 , 9, 909243	1.7	4
45	Glass-fiber-reinforced polymeric film as an efficient protecting layer for stable Li metal electrodes. <i>Cell Reports Physical Science</i> , 2021 , 2, 100534	6.1	4
44	Congenital Long QT Syndrome Type 3. <i>Cardiac Electrophysiology Clinics</i> , 2014 , 6, 705-713	1.4	3
43	A novel method for massive synthesis of SnO ₂ nanowires. <i>Bulletin of Materials Science</i> , 2013 , 36, 953-960	0.7	3
42	Self-propagating high temperature synthesis of high purity single-crystalline SnO ₂ nanobelts. <i>Journal of Experimental Nanoscience</i> , 2013 , 8, 925-930	1.9	3
41	Solving Complex Concentric Circular Mesostructures by Using Electron Tomography. <i>Angewandte Chemie</i> , 2008 , 120, 6772-6775	3.6	3
40	STUDY OF ELECTROMAGNETIC FIELD SIMULATION USING TWO KINDS OF FINITE ELEMENT METHODS. <i>Modern Physics Letters B</i> , 2006 , 20, 1173-1181	1.6	3
39	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 ₂ O ₄ . <i>Chemistry - A European Journal</i> , 2021 , 27, 12900-12909	4.8	3
38	Controllable SHS Synthesis of ZnO Nanostructures. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015 , 45, 433-436		2
37	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	1.1	2
36	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	2.2	2
35	<i>Hedychium longipetalum</i> (Zingiberaceae), a New Species from Yunnan, China. <i>Annales Botanici Fennici</i> , 2010 , 47, 237-239	0.3	2
34	Research Progress and Application Prospect of High Oil-Absorbing Resins. <i>Applied Mechanics and Materials</i> , 2012 , 209-211, 1199-1202	0.3	2

33	In Vitro and In Vivo Immunomodulatory Activities of an Acidic Polysaccharide from <i>Gracilaria lemaneiformis</i> . <i>Advanced Materials Research</i> , 2012 , 468-471, 1941-1945	0.5	2
32	A HYBRID FINITE ELEMENT CALCULATION OF COMPLEX ELECTROMAGNETIC FIELDS. <i>Modern Physics Letters B</i> , 2008 , 22, 269-274	1.6	2
31	NEW FINITE ELEMENT METHOD OF ELECTROMAGNETIC CALCULATION FOR COMPLEX ELECTROMAGNETIC FIELDS. <i>Modern Physics Letters B</i> , 2007 , 21, 655-662	1.6	2
30	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	13	2
29	In Situ/Operando Insights into the Stability and Degradation Mechanisms of Heterogeneous Electrocatalysts. <i>Small</i> , 2021 , e2104205	11	2
28	Dissolution/Redeposition Mechanism of the MnO ₂ Cathode in Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> ,	6.1	2
27	Lithium Ion Conduction in Diblock Polymer Electrolyte with Tethered Anion. <i>ChemistrySelect</i> , 2021 , 6, 595-599	1.8	2
26	Single-Pot Fabrication of Cellulose-Reinforced Solid Polymer Lithium-Ion Conductors. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 1948-1955	4.3	2
25	Risk assessment of power grid catastrophic accident based on AHP and fuzzy simulation 2013 ,		1
24	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	4.1	1
23	Outage and capacity analysis between opportunistic and partial relay cooperative network with hardware impairments 2014 ,		1
22	Research on the Sintering Process of the Fe-Al-WC Composite Materials. <i>Applied Mechanics and Materials</i> , 2013 , 281, 400-403	0.3	1
21	Simulation and Study of Self-Adaptive Bacterial Colony Chemotaxis Algorithm 2008 ,		1
20	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	4.9	1
19	Differential substrate use in EGF- and oncogenic KRAS-stimulated human mammary epithelial cells. <i>FEBS Journal</i> , 2021 , 288, 5629-5649	5.7	1
18	An End-to-End Pipeline for Early Diagnosis of Acute Promyelocytic Leukemia Based on a Compact CNN Model. <i>Diagnostics</i> , 2021 , 11,	3.8	1
17	In situ visualization of zinc plating in gel polymer electrolyte. <i>Electrochimica Acta</i> , 2021 , 391, 138877	6.7	1
16	Role of histone modification in 12-lipoxygenase-associated p21 gene regulation. <i>Molecular Medicine Reports</i> , 2016 , 14, 3978-84	2.9	0

15	Rational design of walnut-like ZnO/CoO porous nanospheres with substantially enhanced lithium storage performance.. <i>Nanoscale</i> , 2021 , 14, 166-174	7.7	0
14	The complete mitochondrial genome of <i>Bryodema miramae</i> (Orthoptera: Oedipodidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 2500-1	1.3	
13	Nanocarbon Hybrids with Silicon, Sulfur, or Paper/Textile for High-Energy Lithium Ion Batteries 2015 , 35-57		
12	The complete mitogenome of <i>Arcyptera coreana</i> (Insecta: Orthoptera: Acrididae). <i>Mitochondrial DNA</i> , 2016 , 27, 1612-3		
11	Sodium Current Disorders. <i>Cardiac Electrophysiology Clinics</i> , 2014 , 6, 825-833	1.4	
10	Finite Element Analysis of Treating Distal Femoral Fractures by LISS. <i>Applied Mechanics and Materials</i> , 2012 , 184-185, 227-230	0.3	
9	Tests of Mechanical Characteristics of Steel Fiber Reinforced Concrete Wall-Beams Simply Supported. <i>Advanced Materials Research</i> , 2012 , 446-449, 3355-3359	0.5	
8	Corrosion-Resistance of Ni3Al Intermetallic Compounds Containing Cr Synthesized via Spark Plasma Sintering Process. <i>Advanced Materials Research</i> , 2012 , 581-582, 1006-1009	0.5	
7	Experimental Study on Working Performance of Axially Loaded Short Columns with Micro-Expansive Concrete Filled Steel Tube. <i>Advanced Materials Research</i> , 2012 , 424-425, 1228-1232	0.5	
6	Welding of Fe-Al Intermetallic Compound and Steel by SPS Technology. <i>Advanced Materials Research</i> , 2012 , 581-582, 582-585	0.5	
5	STUDY OF COMPLEX ELECTROMAGNETIC FIELD USING HYBRID ISOPARAMETRIC FINITE ELEMENTS. <i>Modern Physics Letters B</i> , 2008 , 22, 2429-2434	1.6	
4	FIBER-OPTIC TEMPERATURE TESTING FOR HIGH VOLTAGE EQUIPMENT. <i>Modern Physics Letters B</i> , 2007 , 21, 1537-1543	1.6	
3	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	
2	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, 5409-13	1.7	
1	Metabolic Engineering Perspectives 2021 , 1-21		