

Nian Liu

List of Publications by Year in Descending Order

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

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	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
193	Removal of lycopene substrate inhibition enables high carotenoid productivity in <i>Yarrowia lipolytica</i> . <i>Nature Communications</i> , 2022 , 13, 572	17.4	8
192	Single-Pot Fabrication of Cellulose-Reinforced Solid Polymer Lithium-Ion Conductors. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 1948-1955	4.3	2
191	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	
190	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
189	In Situ/Operando Insights into the Stability and Degradation Mechanisms of Heterogeneous Electrocatalysts. <i>Small</i> , 2021 , e2104205	11	2
188	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
187	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
186	Differential substrate use in EGF- and oncogenic KRAS-stimulated human mammary epithelial cells. <i>FEBS Journal</i> , 2021 , 288, 5629-5649	5.7	1
185	Crossroads in the renaissance of rechargeable aqueous zinc batteries. <i>Materials Today</i> , 2021 , 45, 191-212	1.8	48
184	Metabolic Engineering Perspectives 2021 , 1-21		
183	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 O. <i>Chemistry - A European Journal</i> , 2021 , 27, 12900-12909	4.8	3
182	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
181	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
180	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
179	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
178	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

177	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
176	Lithium Ion Conduction in Diblock Polymer Electrolyte with Tethered Anion. <i>ChemistrySelect</i> , 2021 , 6, 595-599	1.8	2
175	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
174	In situ visualization of zinc plating in gel polymer electrolyte. <i>Electrochimica Acta</i> , 2021 , 391, 138877	6.7	1
173	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
172	Deeply Rechargeable and Hydrogen-Evolution-Suppressing Zinc Anode in Alkaline Aqueous Electrolyte. <i>Nano Letters</i> , 2020 , 20, 4700-4707	11.5	53
171	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
170	Electrotunable liquid sulfur microdroplets. <i>Nature Communications</i> , 2020 , 11, 606	17.4	10
169	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
168	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
167	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
166	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
165	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
164	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
163	Mixed carbon substrates: a necessary nuisance or a missed opportunity?. <i>Current Opinion in Biotechnology</i> , 2020 , 62, 15-21	11.4	32
162	Synergistic substrate cofeeding stimulates reductive metabolism. <i>Nature Metabolism</i> , 2019 , 1, 643-651	14.6	35
161	Graphene oxide-modified zinc anode for rechargeable aqueous batteries. <i>Chemical Engineering Science</i> , 2019 , 194, 142-147	4.4	94
160	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

159	"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
158	Bright sub-20-nm cathodoluminescent nanoprobe for electron microscopy. <i>Nature Nanotechnology</i> , 2019 , 14, 420-425	28.7	21
157	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	13	65
156	In Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15228-15234	16.4	14
155	In Operando Visualization of the Electrochemical Formation of Liquid Polybromide Microdroplets. <i>Angewandte Chemie</i> , 2019 , 131, 15372-15378	3.6	4
154	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
153	Li-Containing, Continuous Silica Nanofibers for High Li Conductivity in Composite Polymer Electrolyte. <i>Small</i> , 2019 , 15, e1902729	11	29
152	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	19.3	23
151	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
150	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
149	Visualizing Battery Reactions and Processes by Using In Situ and In Operando Microscopies. <i>Chem</i> , 2018 , 4, 438-465	16.2	77
148	Metabolic engineering in the host <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2018 , 50, 192-208	9.7	95
147	Holistic Approaches in Lipid Production by <i>Yarrowia lipolytica</i> . <i>Trends in Biotechnology</i> , 2018 , 36, 1157-1170	17.1	65
146	Morphology and property investigation of primary particulate matter particles from different sources. <i>Nano Research</i> , 2018 , 11, 3182-3192	10	33
145	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
144	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
143	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
142	Ion-Sieving Carbon Nanoshells for Deeply Rechargeable Zn-Based Aqueous Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1802470	21.8	86

141	Sealing ZnO nanorods for deeply rechargeable high-energy aqueous battery anodes. <i>Nano Energy</i> , 2018 , 53, 666-674	17.1	82
140	A Cu3P 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	12	39
139	A Silica-Aerogel-Reinforced Composite Polymer Electrolyte with High Ionic Conductivity and High Modulus. <i>Advanced Materials</i> , 2018 , 30, e1802661	24	242
138	Towards a higher-level Ensifera phylogeny inferred from mitogenome sequences. <i>Molecular Phylogenetics and Evolution</i> , 2017 , 108, 22-33	4.1	30
137	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
136	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
135	Nanostructured Electrode Materials for High-Energy Rechargeable Li, Na and Zn Batteries. <i>Chemistry of Materials</i> , 2017 , 29, 9589-9604	9.6	60
134	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
133	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
132	The complete mitochondrial genome of <i>Bryodemira miramae</i> (Orthoptera: Oedipodidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 2500-1	1.3	
131	The path towards sustainable energy. <i>Nature Materials</i> , 2016 , 16, 16-22	27	2141
130	Growth of conformal graphene cages on micrometre-sized silicon particles as stable battery anodes. <i>Nature Energy</i> , 2016 , 1,	62.3	509
129	Promises and challenges of nanomaterials for lithium-based rechargeable batteries. <i>Nature Energy</i> , 2016 , 1,	62.3	1080
128	High-capacity battery cathode prelithiation to offset initial lithium loss. <i>Nature Energy</i> , 2016 , 1,	62.3	169
127	Role of histone modification in 12-lipoxygenase-associated p21 gene regulation. <i>Molecular Medicine Reports</i> , 2016 , 14, 3978-84	2.9	0
126	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
125	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
124	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

123	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
122	The complete mitogenome of <i>Arcyptera coreana</i> (Insecta: Orthoptera: Acrididae). <i>Mitochondrial DNA</i> , 2016 , 27, 1612-3		
121	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
120	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
119	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
118	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
117	Graphite-Encapsulated Li-Metal Hybrid Anodes for High-Capacity Li Batteries. <i>CheM</i> , 2016 , 1, 287-297	16.2	197
116	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
115	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
114	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
113	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
112	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
111	A Novel Phase of Li ₁₅ Si ₄ Synthesized under Pressure. <i>Advanced Energy Materials</i> , 2015 , 5, 1500214	21.8	12
110	Interfacial stabilizing effect of ZnO on Si anodes for lithium ion battery. <i>Nano Energy</i> , 2015 , 13, 620-625	17.1	76
109	Polymer nanofiber-guided uniform lithium deposition for battery electrodes. <i>Nano Letters</i> , 2015 , 15, 2910-6	11.5	406
108	Nanocarbon Hybrids with Silicon, Sulfur, or Paper/Textile for High-Energy Lithium Ion Batteries 2015 , 35-57		
107	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
106	Controllable SHS Synthesis of ZnO Nanostructures. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015 , 45, 433-436		2

105	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
104	Highly Nitridated Graphene Π 2S Cathodes with Stable Modulated Cycles. <i>Advanced Energy Materials</i> , 2015 , 5, 1501369	21.8	87
103	Ionic conductivity enhancement of polymer electrolytes with ceramic nanowire fillers. <i>Nano Letters</i> , 2015 , 15, 2740-5	11.5	589
102	Transparent air filter for high-efficiency PM2.5 capture. <i>Nature Communications</i> , 2015 , 6, 6205	17.4	525
101	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
100	Genetically engineered SCN5A mutant pig hearts exhibit conduction defects and arrhythmias. <i>Journal of Clinical Investigation</i> , 2015 , 125, 403-12	15.9	68
99	A pomegranate-inspired nanoscale design for large-volume-change lithium battery anodes. <i>Nature Nanotechnology</i> , 2014 , 9, 187-92	28.7	1804
98	Nanomaterials for electrochemical energy storage. <i>Frontiers of Physics</i> , 2014 , 9, 323-350	3.7	77
97	Full open-framework batteries for stationary energy storage. <i>Nature Communications</i> , 2014 , 5, 3007	17.4	367
96	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
95	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
94	Congenital Long QT Syndrome Type 3. <i>Cardiac Electrophysiology Clinics</i> , 2014 , 6, 705-713	1.4	3
93	Sodium Current Disorders. <i>Cardiac Electrophysiology Clinics</i> , 2014 , 6, 825-833	1.4	
92	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
91	Understanding Phase Transformation in Crystalline Ge Anodes for Li-Ion Batteries. <i>Chemistry of Materials</i> , 2014 , 26, 3739-3746	9.6	98
90	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
89	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
88	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

87	High-capacity Li ₂ S/graphene oxide composite cathodes with stable cycling performance. <i>Chemical Science</i> , 2014 , 5, 1396	9.4	99
86	Outage and capacity analysis between opportunistic and partial relay cooperative network with hardware impairments 2014 ,		1
85	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
84	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
83	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
82	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
81	Electrotonic suppression of early afterdepolarizations in the neonatal rat ventricular myocyte monolayer. <i>Journal of Physiology</i> , 2013 , 591, 5357-64	3.9	6
80	A novel method for massive synthesis of SnO ₂ nanowires. <i>Bulletin of Materials Science</i> , 2013 , 36, 953-960.	7	3
79	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
78	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
77	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
76	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
75	Transparent and conductive paper from nanocellulose fibers. <i>Energy and Environmental Science</i> , 2013 , 6, 513-518	35.4	375
74	Risk assessment of power grid catastrophic accident based on AHP and fuzzy simulation 2013 ,		1
73	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
72	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
71	Nanoporous silicon networks as anodes for lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 440-3	3.6	57
70	Silicon-conductive nanopaper for Li-ion batteries. <i>Nano Energy</i> , 2013 , 2, 138-145	17.1	137

69	Crab shells as sustainable templates from nature for nanostructured battery electrodes. <i>Nano Letters</i> , 2013 , 13, 3385-90	11.5	185
68	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
67	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
66	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
65	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
64	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
63	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
62	Functionalization of silicon nanowire surfaces with metal-organic frameworks. <i>Nano Research</i> , 2012 , 5, 109-116	10	55
61	Carbon nanotube-coated macroporous sponge for microbial fuel cell electrodes. <i>Energy and Environmental Science</i> , 2012 , 5, 5265-5270	35.4	255
60	Graphene sponges as high-performance low-cost anodes for microbial fuel cells. <i>Energy and Environmental Science</i> , 2012 , 5, 6862	35.4	239
59	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
58	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
57	Finite Element Analysis of Treating Distal Femoral Fractures by LISS. <i>Applied Mechanics and Materials</i> , 2012 , 184-185, 227-230	0.3	
56	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
55	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
54	Engineering empty space between Si nanoparticles for lithium-ion battery anodes. <i>Nano Letters</i> , 2012 , 12, 904-9	11.5	602
53	Improving the cycling stability of silicon nanowire anodes with conducting polymer coatings. <i>Energy and Environmental Science</i> , 2012 , 5, 7927	35.4	239
52	Polysaccharides from <i>Lycium barbarum</i> leaves: isolation, characterization and splenocyte proliferation activity. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 417-22	7.9	84

51	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
50	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
49	A yolk-shell design for stabilized and scalable li-ion battery alloy anodes. <i>Nano Letters</i> , 2012 , 12, 3315-21	11.5	1410
48	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
47	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	
46	Hepatocarcinogenesis in FXR ^{-/-} mice mimics human HCC progression that operates through HNF1 β regulation of FXR expression. <i>Molecular Endocrinology</i> , 2012 , 26, 775-85		78
45	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	
44	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	
43	Research Progress and Application Prospect of High Oil-Absorbing Resins. <i>Applied Mechanics and Materials</i> , 2012 , 209-211, 1199-1202	0.3	2
42	Welding of Fe-Al Intermetallic Compound and Steel by SPS Technology. <i>Advanced Materials Research</i> , 2012 , 581-582, 582-585	0.5	
41	V551 Aur, an oEA binary with g-mode pulsations?. <i>Research in Astronomy and Astrophysics</i> , 2012 , 12, 671-677	6.37	6
40	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
39	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	
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