

Kai Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

756
papers

40,129
citations

3933

88
h-index

5255

165
g-index

783
all docs

783
docs citations

783
times ranked

48650
citing authors

#	ARTICLE	IF	CITATIONS
1	Gctf: Real-time CTF determination and correction. <i>Journal of Structural Biology</i> , 2016, 193, 1-12.	2.8	3,244
2	Recent Advances and Prospects of Cathode Materials for Sodium-ion Batteries. <i>Advanced Materials</i> , 2015, 27, 5343-5364.	21.0	915
3	Nanostructured Mn-based oxides for electrochemical energy storage and conversion. <i>Chemical Society Reviews</i> , 2015, 44, 699-728.	38.1	740
4	MoS ₂ Nanoflowers with Expanded Interlayers as High-Performance Anodes for Sodium-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12794-12798.	13.8	670
5	Pyrite FeS ₂ for high-rate and long-life rechargeable sodium batteries. <i>Energy and Environmental Science</i> , 2015, 8, 1309-1316.	30.8	628
6	FeSe ₂ Microspheres as a High-Performance Anode Material for Na-ion Batteries. <i>Advanced Materials</i> , 2015, 27, 3305-3309.	21.0	581
7	Metal sulphide semiconductors for photocatalytic hydrogen production. <i>Catalysis Science and Technology</i> , 2013, 3, 1672.	4.1	477
8	Urchin-Like CoSe ₂ as a High-Performance Anode Material for Sodium-ion Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 6728-6735.	14.9	471
9	Runx3 programs CD8+ T cell residency in non-lymphoid tissues and tumours. <i>Nature</i> , 2017, 552, 253-257.	27.8	471
10	Air pollution and health risks due to vehicle traffic. <i>Science of the Total Environment</i> , 2013, 450-451, 307-316.	8.0	457
11	Tau Reduction Prevents A β ² -Induced Defects in Axonal Transport. <i>Science</i> , 2010, 330, 198-198.	12.6	436
12	Recent Developments on and Prospects for Electrode Materials with Hierarchical Structures for Lithium-ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701415.	19.5	436
13	Modulating electrolyte structure for ultralow temperature aqueous zinc batteries. <i>Nature Communications</i> , 2020, 11, 4463.	12.8	431
14	Correspondence between Winding Numbers and Skin Modes in Non-Hermitian Systems. <i>Physical Review Letters</i> , 2020, 125, 126402.	7.8	428
15	Advances and Challenges for the Electrochemical Reduction of CO ₂ to CO: From Fundamentals to Industrialization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20627-20648.	13.8	408
16	Cobalt-Doped FeS ₂ Nanospheres with Complete Solid Solubility as a High-Performance Anode Material for Sodium-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12822-12826.	13.8	394
17	The structure of the dynactin complex and its interaction with dynein. <i>Science</i> , 2015, 347, 1441-1446.	12.6	389
18	Active Power Decoupling for High-Power Single-Phase PWM Rectifiers. <i>IEEE Transactions on Power Electronics</i> , 2013, 28, 1308-1319.	7.9	382

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19	Organic Li ₄ C ₈ H ₂ O ₆ Nanosheets for Lithium-Ion Batteries. Nano Letters, 2013, 13, 4404-4409.	9.1	352
20	Na ₃ V ₂ (PO ₄) ₃ @C core-shell nanocomposites for rechargeable sodium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 8668-8675.	10.3	348
21	Direct repetitive control of SPWM inverter for UPS purpose. IEEE Transactions on Power Electronics, 2003, 18, 784-792.	7.9	342
22	Ultralow percolation threshold and enhanced electromagnetic interference shielding in poly(l-lactide)/multi-walled carbon nanotube nanocomposites with electrically conductive segregated networks. Journal of Materials Chemistry C, 2017, 5, 9359-9369.	5.5	322
23	Recent Developments of the Lithium Metal Anode for Rechargeable Non-Aqueous Batteries. Advanced Energy Materials, 2016, 6, 1600811.	19.5	306
24	Efficient solar hydrogen production by photocatalytic water splitting: From fundamental study to pilot demonstration. International Journal of Hydrogen Energy, 2010, 35, 7087-7097.	7.1	273
25	Alteration of brain default network in subacute phase of injury in concussed individuals: Resting-state fMRI study. NeuroImage, 2012, 59, 511-518.	4.2	268
26	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. Nano Energy, 2017, 35, 281-289.	16.0	247
27	Use of Synchrotron Radiation-Analytical Techniques To Reveal Chemical Origin of Silver-Nanoparticle Cytotoxicity. ACS Nano, 2015, 9, 6532-6547.	14.6	246
28	Non-Hermitian Bulk-Boundary Correspondence and Auxiliary Generalized Brillouin Zone Theory. Physical Review Letters, 2020, 125, 226402.	7.8	245
29	Daily Estimation of Ground-Level PM _{2.5} Concentrations over Beijing Using 3 km Resolution MODIS AOD. Environmental Science & Technology, 2015, 49, 12280-12288.	10.0	240
30	Cryo-EM Reveals How Human Cytoplasmic Dynein Is Auto-inhibited and Activated. Cell, 2017, 169, 1303-1314.e18.	28.9	237
31	Comprehensive Profiling of Protein Lysine Acetylation in <i>Escherichia coli</i> . Journal of Proteome Research, 2013, 12, 844-851.	3.7	234
32	Porous CuO nanowires as the anode of rechargeable Na-ion batteries. Nano Research, 2014, 7, 199-208.	10.4	233
33	Composite of sulfur impregnated in porous hollow carbon spheres as the cathode of Li-S batteries with high performance. Nano Research, 2013, 6, 38-46.	10.4	232
34	Continuous Distribution of Emission States from Single CdSe/ZnS Quantum Dots. Nano Letters, 2006, 6, 843-847.	9.1	228
35	High-Voltage Charging-Induced Strain, Heterogeneity, and Micro-Cracks in Secondary Particles of a Nickel-Rich Layered Cathode Material. Advanced Functional Materials, 2019, 29, 1900247.	14.9	219
36	Single Quantum Dots as Local Temperature Markers. Nano Letters, 2007, 7, 3102-3105.	9.1	215

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37	Low-dose, simple, and fast grating-based X-ray phase-contrast imaging. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13576-13581.	7.1	208
38	Optogenetic control of intracellular signaling pathways. Trends in Biotechnology, 2015, 33, 92-100.	9.3	208
39	Manganese based layered oxides with modulated electronic and thermodynamic properties for sodium ion batteries. Nature Communications, 2019, 10, 5203.	12.8	202
40	A single-cell atlas of chromatin accessibility in the human genome. Cell, 2021, 184, 5985-6001.e19.	28.9	194
41	Epigenetic landscapes reveal transcription factors that regulate CD8+ T cell differentiation. Nature Immunology, 2017, 18, 573-582.	14.5	193
42	A Repetitive Control Scheme for Harmonic Suppression of Circulating Current in Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2015, 30, 471-481.	7.9	192
43	Chromatin-to-nucleoprotamine transition is controlled by the histone H2B variant TH2B. Genes and Development, 2013, 27, 1680-1692.	5.9	186
44	Enhanced electrical conductivity and piezoresistive sensing in multi-wall carbon nanotubes/polydimethylsiloxane nanocomposites via the construction of a self-segregated structure. Nanoscale, 2017, 9, 11017-11026.	5.6	179
45	Designing Anion-Free Water-Free Zn ²⁺ Solvation Structure for Robust Zn Metal Anode. Angewandte Chemie - International Edition, 2021, 60, 23357-23364.	13.8	179
46	Quantification of Heterogeneous Degradation in Li-Ion Batteries. Advanced Energy Materials, 2019, 9, 1900674.	19.5	176
47	Sulfur Nanodots Electrodeposited on Ni Foam as High-Performance Cathode for Li-S Batteries. Nano Letters, 2015, 15, 721-726.	9.1	175
48	Recent breakthroughs and perspectives of high-energy layered oxide cathode materials for lithium ion batteries. Materials Today, 2021, 43, 132-165.	14.2	174
49	Interlayer-Spacing-Regulated VOPO ₄ Nanosheets with Fast Kinetics for High-Capacity and Durable Rechargeable Magnesium Batteries. Advanced Materials, 2018, 30, e1801984.	21.0	171
50	An Improved Control System for Modular Multilevel Converters with New Modulation Strategy and Voltage Balancing Control. IEEE Transactions on Power Electronics, 2015, 30, 358-371.	7.9	168
51	Potassium-Sulfur Batteries: A New Member of Room-Temperature Rechargeable Metal-Sulfur Batteries. Inorganic Chemistry, 2014, 53, 9000-9005.	4.0	163
52	In situ Visualization of State-of-Charge Heterogeneity within a LiCoO ₂ Particle that Evolves upon Cycling at Different Rates. ACS Energy Letters, 2017, 2, 1240-1245.	17.4	159
53	Optimizing Traffic Control to Reduce Fuel Consumption and Vehicular Emissions. Transportation Research Record, 2009, 2128, 105-113.	1.9	156
54	High-Performance Organic Lithium Batteries with an Ether-Based Electrolyte and 9,10-Anthraquinone (AQ)/CMK-3 Cathode. Advanced Science, 2015, 2, 1500018.	11.2	155

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55	Stabilization of histone demethylase PHF8 by USP7 promotes breast carcinogenesis. <i>Journal of Clinical Investigation</i> , 2016, 126, 2205-2220.	8.2	149
56	Morphological regulation improved electrical conductivity and electromagnetic interference shielding in poly(<i>l</i> -lactide)/poly(μ -caprolactone)/carbon nanotube nanocomposites via constructing stereocomplex crystallites. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2807-2817.	5.5	144
57	Facile synthesis and electrochemical sodium storage of CoS ₂ micro/nano-structures. <i>Nano Research</i> , 2016, 9, 198-206.	10.4	142
58	Identification and Verification of Lysine Propionylation and Butyrylation in Yeast Core Histones Using PTMap Software. <i>Journal of Proteome Research</i> , 2009, 8, 900-906.	3.7	141
59	A 3D Hydroxylated MXene/Carbon Nanotubes Composite as a Scaffold for Dendrite-Free Sodium-Metal Electrodes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16705-16711.	13.8	138
60	Challenges and advances in wide-temperature rechargeable lithium batteries. <i>Energy and Environmental Science</i> , 2022, 15, 1711-1759.	30.8	138
61	Assessing Heat Stress and Health among Construction Workers in a Changing Climate: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 247.	2.6	137
62	Vehicle emissions in congestion: Comparison of work zone, rush hour and free-flow conditions. <i>Atmospheric Environment</i> , 2011, 45, 1929-1939.	4.1	136
63	Constructing 3D interaction maps from 1D epigenomes. <i>Nature Communications</i> , 2016, 7, 10812.	12.8	135
64	Nanooctahedra Particles Assembled FeSe ₂ Microspheres Embedded into Sulfur-Doped Reduced Graphene Oxide Sheets As a Promising Anode for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13849-13856.	8.0	135
65	A Time Delay Compensation Method Based on Area Equivalence For Active Damping of an <i>LCL</i> -Type Converter. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 762-772.	7.9	134
66	Coordinated Market Design for Peer-to-Peer Energy Trade and Ancillary Services in Distribution Grids. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 2929-2941.	9.0	134
67	A facile approach to constructing efficiently segregated conductive networks in poly(lactic acid) for electromagnetic shielding. <i>Composites Science and Technology</i> , 2018, 156, 136-143.	7.8	131
68	Energy Theft Detection With Energy Privacy Preservation in the Smart Grid. <i>IEEE Internet of Things Journal</i> , 2019, 6, 7659-7669.	8.7	131
69	Li ₃ V ₂ (PO ₄) ₃ @C core-shell nanocomposite as a superior cathode material for lithium-ion batteries. <i>Nanoscale</i> , 2013, 5, 6485.	5.6	130
70	Influence of Sr-doping on the photocatalytic activities of CdS-ZnS solid solution photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2048-2057.	7.1	123
71	Ultrasmall Li ₂ S Nanoparticles Anchored in Graphene Nanosheets for High-Energy Lithium-Ion Batteries. <i>Scientific Reports</i> , 2014, 4, 6467.	3.3	122
72	Electroless Formation of a Fluorinated Li/Na Hybrid Interphase for Robust Lithium Anodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 2829-2837.	13.7	119

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73	High-performance sodium batteries with the 9,10-anthraquinone/CMK-3 cathode and an ether-based electrolyte. <i>Chemical Communications</i> , 2015, 51, 10244-10247.	4.1	117
74	A dual-labeling probe to track functional mitochondria-lysosome interactions in live cells. <i>Nature Communications</i> , 2020, 11, 6290.	12.8	116
75	Pipelicolic acid confers systemic immunity by regulating free radicals. <i>Science Advances</i> , 2018, 4, eaar4509.	10.3	115
76	Comparison of antidepressant and side effects in mice after intranasal administration of (R,S)-ketamine, (R)-ketamine, and (S)-ketamine. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 181, 53-59.	2.9	115
77	Energy saving and economic analysis of a new hybrid radiative cooling system for single-family houses in the USA. <i>Applied Energy</i> , 2018, 224, 371-381.	10.1	112
78	Facile polymer-assisted synthesis of LiNi _{0.5} Mn _{1.5} O ₄ with a hierarchical micro-nano structure and high rate capability. <i>RSC Advances</i> , 2012, 2, 5669.	3.6	111
79	Fe ₂ microspheres with an ether-based electrolyte for high-performance rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12898-12904.	10.3	111
80	Bifunctional Conducting Polymer Coated CoP Core-Shell Nanowires on Carbon Paper as a Free-Standing Anode for Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1800283.	19.5	104
81	Concussion in athletics: ongoing clinical and brain imaging research controversies. <i>Brain Imaging and Behavior</i> , 2012, 6, 224-243.	2.1	99
82	The RhoGAP SPIN6 Associates with SPL11 and OsRac1 and Negatively Regulates Programmed Cell Death and Innate Immunity in Rice. <i>PLoS Pathogens</i> , 2015, 11, e1004629.	4.7	99
83	Yes-Associated Protein Promotes Angiogenesis via Signal Transducer and Activator of Transcription 3 in Endothelial Cells. <i>Circulation Research</i> , 2018, 122, 591-605.	4.5	98
84	Entropy-driven amplified electrochemiluminescence biosensor for RdRp gene of SARS-CoV-2 detection with self-assembled DNA tetrahedron scaffolds. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113015.	10.1	98
85	Cobalt phosphide nanoparticles embedded in nitrogen-doped carbon nanosheets: Promising anode material with high rate capability and long cycle life for sodium-ion batteries. <i>Nano Research</i> , 2017, 10, 4337-4350.	10.4	97
86	An atlas of gene regulatory elements in adult mouse cerebrum. <i>Nature</i> , 2021, 598, 129-136.	27.8	95
87	Atomic Model of Rabbit Hemorrhagic Disease Virus by Cryo-Electron Microscopy and Crystallography. <i>PLoS Pathogens</i> , 2013, 9, e1003132.	4.7	94
88	What weather variables are important in predicting heat-related mortality? A new application of statistical learning methods. <i>Environmental Research</i> , 2014, 132, 350-359.	7.5	94
89	Light-Mediated Kinetic Control Reveals the Temporal Effect of the Raf/MEK/ERK Pathway in PC12 Cell Neurite Outgrowth. <i>PLoS ONE</i> , 2014, 9, e92917.	2.5	94
90	All Carbon Dual Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35978-35983.	8.0	93

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91	A hybrid attention improved ResNet based fault diagnosis method of wind turbines gearbox. Measurement: Journal of the International Measurement Confederation, 2021, 179, 109491.	5.0	93
92	Click Synthesis of Hydrophilic Maltose-Functionalized Iron Oxide Magnetic Nanoparticles Based on Dopamine Anchors for Highly Selective Enrichment of Glycopeptides. ACS Applied Materials & Interfaces, 2015, 7, 24670-24678.	8.0	92
93	Protective Effect of Paeoniflorin on H_2O_2 -Induced SH-SY5Y Cell Injury by Preventing Mitochondrial Dysfunction. Cellular and Molecular Neurobiology, 2014, 34, 227-234.	3.3	90
94	A Low-Strain Potassium-Rich Prussian Blue Analogue Cathode for High Power Potassium-Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 13050-13056.	13.8	90
95	Theoretical Study of the Mechanism of Aggregation-Caused Quenching in Near-Infrared Thermally Activated Delayed Fluorescence Molecules: Hydrogen-Bond Effect. Journal of Physical Chemistry C, 2019, 123, 24705-24713.	3.1	89
96	Defective Axonal Transport of Rab7 GTPase Results in Dysregulated Trophic Signaling. Journal of Neuroscience, 2013, 33, 7451-7462.	3.6	88
97	Optogenetic Control of Molecular Motors and Organelle Distributions in Cells. Chemistry and Biology, 2015, 22, 671-682.	6.0	88
98	Polymer-Grafted Nanoparticle Membranes with Controllable Free Volume. Macromolecules, 2017, 50, 7111-7120.	4.8	88
99	An update on ketamine and its two enantiomers as rapid-acting antidepressants. Expert Review of Neurotherapeutics, 2019, 19, 83-92.	2.8	84
100	Simultaneous Road Surface and Centerline Extraction From Large-Scale Remote Sensing Images Using CNN-Based Segmentation and Tracing. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8919-8931.	6.3	84
101	Ubiquitin-specific protease 7 sustains DNA damage response and promotes cervical carcinogenesis. Journal of Clinical Investigation, 2018, 128, 4280-4296.	8.2	84
102	Ultralow Percolation Threshold in Poly(ϵ -lactide)/Poly(μ -caprolactone)/Multiwall Carbon Nanotubes Composites with a Segregated Electrically Conductive Network. Journal of Physical Chemistry C, 2017, 121, 3087-3098.	3.1	83
103	La,Al-Codoped SrTiO_3 as a Photocatalyst in Overall Water Splitting: Significant Surface Engineering Effects on Defect Engineering. ACS Catalysis, 2021, 11, 11429-11439.	11.2	83
104	Reliable Förster Resonance Energy Transfer Probe Based on Structure-Switching DNA for Ratiometric Sensing of Telomerase in Living Cells. Analytical Chemistry, 2017, 89, 4216-4222.	6.5	82
105	A 30-nm-resolution hard X-ray microscope with X-ray fluorescence mapping capability at BSRF. Journal of Synchrotron Radiation, 2012, 19, 1021-1028.	2.4	81
106	Investigation of Gallic Acid Induced Anticancer Effect in Human Breast Carcinoma MCF7 Cells. Journal of Biochemical and Molecular Toxicology, 2014, 28, 387-393.	3.0	81
107	Low-Frequency Ripple Suppression for Medium-Voltage Drives Using Modular Multilevel Converter With Full-Bridge Submodules. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 657-667.	5.4	80
108	A Universal Graphene Quantum Dot Tethering Design Strategy to Synthesize Single-Atom Catalysts. Angewandte Chemie - International Edition, 2020, 59, 21885-21889.	13.8	79

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109	Inorganic & organic materials for rechargeable Li batteries with multi-electron reaction. <i>Science China Materials</i> , 2014, 57, 42-58.	6.3	78
110	Sensitive detection of microRNA in complex biological samples by using two stages DSN-assisted target recycling signal amplification method. <i>Biosensors and Bioelectronics</i> , 2017, 87, 358-364.	10.1	78
111	Deep learning PM2.5 concentrations with bidirectional LSTM RNN. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 411-423.	3.3	76
112	Recent advancements on thermal management and evaluation for data centers. <i>Applied Thermal Engineering</i> , 2018, 142, 215-231.	6.0	75
113	Application of Multiplexed Aptasensors in Food Contaminants Detection. <i>ACS Sensors</i> , 2020, 5, 3721-3738.	7.8	75
114	Essential role of microglial transforming growth factor- β 1 in antidepressant actions of (R)-ketamine and the novel antidepressant TGF- β 1. <i>Translational Psychiatry</i> , 2020, 10, 32.	4.8	75
115	A fault diagnosis method for wind turbines gearbox based on adaptive loss weighted meta-ResNet under noisy labels. <i>Mechanical Systems and Signal Processing</i> , 2021, 161, 107963.	8.0	75
116	Upconversion Nanoparticle-Induced Multimode Photodynamic Therapy Based on a Metal-Organic Framework/Titanium Dioxide Nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12600-12608.	8.0	74
117	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via π - π Conjugation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16937-16941.	13.8	74
118	Intergrown $\text{Li}_2\text{FeSiO}_4$ - LiFePO_4 nanocomposites as high-capacity cathode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2013, 49, 3040.	4.1	73
119	Natural variation and selection in <i>GmSWEET39</i> affect soybean seed oil content. <i>New Phytologist</i> , 2020, 225, 1651-1666.	7.3	73
120	Localization and diagnosis framework for pediatric cataracts based on slit-lamp images using deep features of a convolutional neural network. <i>PLoS ONE</i> , 2017, 12, e0168606.	2.5	72
121	Development and validation of deep learning algorithms for scoliosis screening using back images. <i>Communications Biology</i> , 2019, 2, 390.	4.4	72
122	Insights into the Ionic Conduction Mechanism of Quasi-Solid Polymer Electrolytes through Multispectral Characterization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22672-22677.	13.8	72
123	Diagnosing chronic atrophic gastritis by gastroscopy using artificial intelligence. <i>Digestive and Liver Disease</i> , 2020, 52, 566-572.	0.9	71
124	Helical damping and dynamical critical skin effect in open quantum systems. <i>Physical Review Research</i> , 2020, 2, .	3.6	71
125	Default Mode Network in Concussed Individuals in Response to the YMCA Physical Stress Test. <i>Journal of Neurotrauma</i> , 2012, 29, 756-765.	3.4	70
126	NUPR1 maintains autolysosomal efflux by activating <i>SNAP25</i> transcription in cancer cells. <i>Autophagy</i> , 2018, 14, 654-670.	9.1	70

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127	Fault diagnosis of planetary gearbox using a novel semi-supervised method of multiple association layers networks. <i>Mechanical Systems and Signal Processing</i> , 2019, 131, 243-260.	8.0	69
128	In Situ Polymerized Conjugated Poly(pyrene-4,5,9,10-tetraone)/Carbon Nanotubes Composites for High-Performance Cathode of Sodium Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2002917.	19.5	69
129	Strategy to Fabricate an Electrochemical Aptasensor: Application to the Assay of Adenosine Deaminase Activity. <i>Analytical Chemistry</i> , 2010, 82, 3207-3211.	6.5	68
130	Stable Carbon-Selenium Bonds for Enhanced Performance in Tremella-Like 2D Chalcogenide Battery Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1800927.	19.5	68
131	Abnormal composition of gut microbiota is associated with resilience versus susceptibility to inescapable electric stress. <i>Translational Psychiatry</i> , 2019, 9, 231.	4.8	67
132	Antibiotic-induced microbiome depletion is associated with resilience in mice after chronic social defeat stress. <i>Journal of Affective Disorders</i> , 2020, 260, 448-457.	4.1	67
133	Identification and Validation of Eukaryotic Aspartate and Glutamate Methylation in Proteins. <i>Journal of Proteome Research</i> , 2008, 7, 1001-1006.	3.7	65
134	Repetitive Compensation of Fluctuating DC Link Voltage for Railway Traction Drives. <i>IEEE Transactions on Power Electronics</i> , 2011, 26, 2160-2171.	7.9	65
135	Atomic model of a cypovirus built from cryo-EM structure provides insight into the mechanism of mRNA capping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1373-1378.	7.1	65
136	Functional neuroimaging of acute oculomotor deficits in concussed athletes. <i>Brain Imaging and Behavior</i> , 2015, 9, 564-573.	2.1	64
137	Mitigation of Jahn-Teller distortion and Na ⁺ /vacancy ordering in a distorted manganese oxide cathode material by Li substitution. <i>Chemical Science</i> , 2021, 12, 1062-1067.	7.4	64
138	Single-molecule imaging of NGF axonal transport in microfluidic devices. <i>Lab on A Chip</i> , 2010, 10, 2566.	6.0	63
139	The Use of Magnetic Resonance Spectroscopy in the Subacute Evaluation of Athletes Recovering from Single and Multiple Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2012, 29, 2297-2304.	3.4	63
140	Opportunities and challenges for aqueous metal-proton batteries. <i>Matter</i> , 2021, 4, 1252-1273.	10.0	63
141	Cardiac cell type-specific gene regulatory programs and disease risk association. <i>Science Advances</i> , 2021, 7, .	10.3	63
142	Ziyuglycoside II induces cell cycle arrest and apoptosis through activation of ROS/JNK pathway in human breast cancer cells. <i>Toxicology Letters</i> , 2014, 227, 65-73.	0.8	62
143	Compensatory neural mechanisms in cognitively unimpaired Parkinson disease. <i>Annals of Neurology</i> , 2016, 79, 448-463.	5.3	62
144	Comparing exposure metrics for classifying "dangerous heat" in heat wave and health warning systems. <i>Environment International</i> , 2012, 46, 23-29.	10.0	61

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145	Label-free and ultrasensitive fluorescence detection of cocaine based on a strategy that utilizes DNA-templated silver nanoclusters and the nicking endonuclease-assisted signal amplification method. <i>Chemical Communications</i> , 2014, 50, 180-182.	4.1	61
146	Ultrasmall Superparamagnetic Iron Oxide Nanoparticle for T_2 -Weighted Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28959-28966.	8.0	61
147	Sacrificial Interlayer for Promoting Charge Transport in Hematite Photoanode. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42723-42733.	8.0	61
148	Structural Engineering of Covalent Organic Frameworks for Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003054.	19.5	61
149	High-Energy-Density Quinone-Based Electrodes with $[Al(OTf)]^{2+}$ Storage Mechanism for Rechargeable Aqueous Aluminum Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2102063.	14.9	61
150	Rheology behavior and optimal damping effect of granular particles in a non-obstructive particle damper. <i>Journal of Sound and Vibration</i> , 2016, 364, 30-43.	3.9	60
151	A two dimensional metal-organic framework nanosheets-based fluorescence resonance energy transfer aptasensor with circular strand-replacement DNA polymerization target-triggered amplification strategy for homogenous detection of antibiotics. <i>Analytica Chimica Acta</i> , 2018, 1020, 1-8.	5.4	60
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