

# Kai Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

590  
papers

26,069  
citations

12330

69  
h-index

14208

128  
g-index

615  
all docs

615  
docs citations

615  
times ranked

36110  
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	Metal sulphide semiconductors for photocatalytic hydrogen production. <i>Catalysis Science and Technology</i> , 2013, 3, 1672.	4.1	477
3	Runx3 programs CD8+ T cell residency in non-lymphoid tissues and tumours. <i>Nature</i> , 2017, 552, 253-257.	27.8	471
4	Air pollution and health risks due to vehicle traffic. <i>Science of the Total Environment</i> , 2013, 450-451, 307-316.	8.0	457
5	Tau Reduction Prevents $\text{A}\beta^2$ -Induced Defects in Axonal Transport. <i>Science</i> , 2010, 330, 198-198.	12.6	436
6	Correspondence between Winding Numbers and Skin Modes in Non-Hermitian Systems. <i>Physical Review Letters</i> , 2020, 125, 126402.	7.8	428
7	The structure of the dynactin complex and its interaction with dynein. <i>Science</i> , 2015, 347, 1441-1446.	12.6	389
8	Active Power Decoupling for High-Power Single-Phase PWM Rectifiers. <i>IEEE Transactions on Power Electronics</i> , 2013, 28, 1308-1319.	7.9	382
9	Direct repetitive control of SPWM inverter for UPS purpose. <i>IEEE Transactions on Power Electronics</i> , 2003, 18, 784-792.	7.9	342
10	Ultralow percolation threshold and enhanced electromagnetic interference shielding in poly( $\epsilon$ -lactide)/multi-walled carbon nanotube nanocomposites with electrically conductive segregated networks. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9359-9369.	5.5	322
11	Efficient solar hydrogen production by photocatalytic water splitting: From fundamental study to pilot demonstration. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 7087-7097.	7.1	273
12	Alteration of brain default network in subacute phase of injury in concussed individuals: Resting-state fMRI study. <i>NeuroImage</i> , 2012, 59, 511-518.	4.2	268
13	Non-Hermitian Bulk-Boundary Correspondence and Auxiliary Generalized Brillouin Zone Theory. <i>Physical Review Letters</i> , 2020, 125, 226402.	7.8	245
14	Daily Estimation of Ground-Level PM <sub>2.5</sub> Concentrations over Beijing Using 3 km Resolution MODIS AOD. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12280-12288.	10.0	240
15	Cryo-EM Reveals How Human Cytoplasmic Dynein Is Auto-inhibited and Activated. <i>Cell</i> , 2017, 169, 1303-1314.e18.	28.9	237
16	Comprehensive Profiling of Protein Lysine Acetylation in <i>Escherichia coli</i> . <i>Journal of Proteome Research</i> , 2013, 12, 844-851.	3.7	234
17	Continuous Distribution of Emission States from Single CdSe/ZnS Quantum Dots. <i>Nano Letters</i> , 2006, 6, 843-847.	9.1	228
18	Single Quantum Dots as Local Temperature Markers. <i>Nano Letters</i> , 2007, 7, 3102-3105.	9.1	215

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19	Optogenetic control of intracellular signaling pathways. Trends in Biotechnology, 2015, 33, 92-100.	9.3	208
20	A single-cell atlas of chromatin accessibility in the human genome. Cell, 2021, 184, 5985-6001.e19.	28.9	194
21	Epigenetic landscapes reveal transcription factors that regulate CD8+ T cell differentiation. Nature Immunology, 2017, 18, 573-582.	14.5	193
22	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
23	Chromatin-to-nucleoprotamine transition is controlled by the histone H2B variant TH2B. Genes and Development, 2013, 27, 1680-1692.	5.9	186
24	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
25	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
26	Optimizing Traffic Control to Reduce Fuel Consumption and Vehicular Emissions. Transportation Research Record, 2009, 2128, 105-113.	1.9	156
27	Stabilization of histone demethylase PHF8 by USP7 promotes breast carcinogenesis. Journal of Clinical Investigation, 2016, 126, 2205-2220.	8.2	149
28	Morphological regulation improved electrical conductivity and electromagnetic interference shielding in poly( $\epsilon$ -lactide)/poly( $\mu$ -caprolactone)/carbon nanotube nanocomposites via constructing stereocomplex crystallites. Journal of Materials Chemistry C, 2017, 5, 2807-2817.	5.5	144
29	Identification and Verification of Lysine Propionylation and Butyrylation in Yeast Core Histones Using PTMap Software. Journal of Proteome Research, 2009, 8, 900-906.	3.7	141
30	Assessing Heat Stress and Health among Construction Workers in a Changing Climate: A Review. International Journal of Environmental Research and Public Health, 2018, 15, 247.	2.6	137
31	Vehicle emissions in congestion: Comparison of work zone, rush hour and free-flow conditions. Atmospheric Environment, 2011, 45, 1929-1939.	4.1	136
32	Constructing 3D interaction maps from 1D epigenomes. Nature Communications, 2016, 7, 10812.	12.8	135
33	A Time Delay Compensation Method Based on Area Equivalence For Active Damping of an $\alpha$ -Type Converter. IEEE Transactions on Power Electronics, 2017, 32, 762-772.	7.9	134
34	Coordinated Market Design for Peer-to-Peer Energy Trade and Ancillary Services in Distribution Grids. IEEE Transactions on Smart Grid, 2020, 11, 2929-2941.	9.0	134
35	Universal non-Hermitian skin effect in two and higher dimensions. Nature Communications, 2022, 13, 2496.	12.8	133
36	A facile approach to constructing efficiently segregated conductive networks in poly(lactic acid)/poly(ethylene glycol) nanocomposites for electromagnetic interference shielding. Composites Science and Technology, 2018, 156, 136-143.	7.8	131

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37	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
38	Influence of Sr-doping on the photocatalytic activities of CdSâ€“ZnS solid solution photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2048-2057.	7.1	123
39	A dual-labeling probe to track functional mitochondriaâ€™lysosome interactions in live cells. <i>Nature Communications</i> , 2020, 11, 6290.	12.8	116
40	Pipecolic acid confers systemic immunity by regulating free radicals. <i>Science Advances</i> , 2018, 4, eaar4509.	10.3	115
41	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
42	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
43	Concussion in athletics: ongoing clinical and brain imaging research controversies. <i>Brain Imaging and Behavior</i> , 2012, 6, 224-243.	2.1	99
44	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
45	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
46	An atlas of gene regulatory elements in adult mouse cerebrum. <i>Nature</i> , 2021, 598, 129-136.	27.8	95
47	Atomic Model of Rabbit Hemorrhagic Disease Virus by Cryo-Electron Microscopy and Crystallography. <i>PLoS Pathogens</i> , 2013, 9, e1003132.	4.7	94
48	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
49	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
50	A hybrid attention improved ResNet based fault diagnosis method of wind turbines gearbox. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 179, 109491.	5.0	93
51	Click Synthesis of Hydrophilic Maltose-Functionalized Iron Oxide Magnetic Nanoparticles Based on Dopamine Anchors for Highly Selective Enrichment of Glycopeptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24670-24678.	8.0	92
52	Protective Effect of Paeoniflorin on AÎ²25â€™35-Induced SH-SY5Y Cell Injury by Preventing Mitochondrial Dysfunction. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 227-234.	3.3	90
53	Theoretical Study of the Mechanism of Aggregation-Caused Quenching in Near-Infrared Thermally Activated Delayed Fluorescence Molecules: Hydrogen-Bond Effect. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24705-24713.	3.1	89
54	Defective Axonal Transport of Rab7 GTPase Results in Dysregulated Trophic Signaling. <i>Journal of Neuroscience</i> , 2013, 33, 7451-7462.	3.6	88

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55	Optogenetic Control of Molecular Motors and Organelle Distributions in Cells. <i>Chemistry and Biology</i> , 2015, 22, 671-682.	6.0	88
56	Polymer-Grafted Nanoparticle Membranes with Controllable Free Volume. <i>Macromolecules</i> , 2017, 50, 7111-7120.	4.8	88
57	An update on ketamine and its two enantiomers as rapid-acting antidepressants. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 83-92.	2.8	84
58	Simultaneous Road Surface and Centerline Extraction From Large-Scale Remote Sensing Images Using CNN-Based Segmentation and Tracing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 8919-8931.	6.3	84
59	Ubiquitin-specific protease 7 sustains DNA damage response and promotes cervical carcinogenesis. <i>Journal of Clinical Investigation</i> , 2018, 128, 4280-4296.	8.2	84
60	Ultralow Percolation Threshold in Poly( $\epsilon$ -lactide)/Poly( $\mu$ -caprolactone)/Multiwall Carbon Nanotubes Composites with a Segregated Electrically Conductive Network. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3087-3098.	3.1	83
61	La,Al-Codoped SrTiO <sub>3</sub> as a Photocatalyst in Overall Water Splitting: Significant Surface Engineering Effects on Defect Engineering. <i>ACS Catalysis</i> , 2021, 11, 11429-11439.	11.2	83
62	Reliable Förster Resonance Energy Transfer Probe Based on Structure-Switching DNA for Ratiometric Sensing of Telomerase in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 4216-4222.	6.5	82
63	Investigation of Gallic Acid Induced Anticancer Effect in Human Breast Carcinoma MCF7 Cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2014, 28, 387-393.	3.0	81
64	Low-Frequency Ripple Suppression for Medium-Voltage Drives Using Modular Multilevel Converter With Full-Bridge Submodules. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016, 4, 657-667.	5.4	80
65	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
66	Deep learning PM2.5 concentrations with bidirectional LSTM RNN. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 411-423.	3.3	76
67	Recent advancements on thermal management and evaluation for data centers. <i>Applied Thermal Engineering</i> , 2018, 142, 215-231.	6.0	75
68	Application of Multiplexed Aptasensors in Food Contaminants Detection. <i>ACS Sensors</i> , 2020, 5, 3721-3738.	7.8	75
69	Essential role of microglial transforming growth factor- $\beta$ 1 in antidepressant actions of (R)-ketamine and the novel antidepressant TGF- $\beta$ 1. <i>Translational Psychiatry</i> , 2020, 10, 32.	4.8	75
70	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
71	Upconversion Nanoparticle-Induced Multimode Photodynamic Therapy Based on a Metal-Organic Framework/Titanium Dioxide Nanocomposite. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12600-12608.	8.0	74
72	Natural variation and selection in <i>GmSWEET39</i> affect soybean seed oil content. <i>New Phytologist</i> , 2020, 225, 1651-1666.	7.3	73

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73	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
74	Development and validation of deep learning algorithms for scoliosis screening using back images. <i>Communications Biology</i> , 2019, 2, 390.	4.4	72
75	Diagnosing chronic atrophic gastritis by gastroscopy using artificial intelligence. <i>Digestive and Liver Disease</i> , 2020, 52, 566-572.	0.9	71
76	Helical damping and dynamical critical skin effect in open quantum systems. <i>Physical Review Research</i> , 2020, 2, .	3.6	71
77	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
78	NUPR1 maintains autolysosomal efflux by activating <i>SNAP25</i> transcription in cancer cells. <i>Autophagy</i> , 2018, 14, 654-670.	9.1	70
79	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
80	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
81	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
82	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
83	Identification and Validation of Eukaryotic Aspartate and Glutamate Methylation in Proteins. <i>Journal of Proteome Research</i> , 2008, 7, 1001-1006.	3.7	65
84	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
85	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
86	Functional neuroimaging of acute oculomotor deficits in concussed athletes. <i>Brain Imaging and Behavior</i> , 2015, 9, 564-573.	2.1	64
87	Single-molecule imaging of NGF axonal transport in microfluidic devices. <i>Lab on A Chip</i> , 2010, 10, 2566.	6.0	63
88	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
89	Cardiac cell type-specific gene regulatory programs and disease risk association. <i>Science Advances</i> , 2021, 7, .	10.3	63
90	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

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91	Compensatory neural mechanisms in cognitively unimpaired <sup>P</sup>arkinson disease. <i>Annals of Neurology</i> , 2016, 79, 448-463.	5.3	62
92	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
93	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
94	Sacrificial Interlayer for Promoting Charge Transport in Hematite Photoanode. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42723-42733.	8.0	61
95	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
96	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
97	Rational Engineering of the DNA Walker Amplification Strategy by Using a Au@Ti <sub>3</sub> C <sub>2</sub> @PEI-Ru(dcbpy) <sub>3</sub> <sup>2+</sup> Nanocomposite Biosensor for Detection of the SARS-CoV-2 RdRp Gene. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19816-19824.	8.0	60
98	Five mutations in N-terminus confer thermostability on mesophilic xylanase. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 200-206.	2.1	59
99	Validating Satellite-Derived Land Surface Temperature with <i>in Situ</i> Measurements: A Public Health Perspective. <i>Environmental Health Perspectives</i> , 2013, 121, 925-931.	6.0	59
100	A strategy combining 3D-DNA Walker and CRISPR-Cas12a trans-cleavage activity applied to MXene based electrochemiluminescent sensor for SARS-CoV-2 RdRp gene detection. <i>Talanta</i> , 2022, 236, 122868.	5.5	59
101	Impact of the 2011 heat wave on mortality and emergency department visits in Houston, Texas. <i>Environmental Health</i> , 2015, 14, 11.	4.0	58
102	Seasonal variation, formation mechanisms and potential sources of PM2.5 in two typical cities in the Central Plains Urban Agglomeration, China. <i>Science of the Total Environment</i> , 2019, 657, 657-670.	8.0	58
103	The Dual Characteristics of Light-Induced Cryptochrome 2, Homo-oligomerization and Heterodimerization, for Optogenetic Manipulation in Mammalian Cells. <i>ACS Synthetic Biology</i> , 2015, 4, 1124-1135.	3.8	57
104	Influence of Electron Acceptor and Electron Donor on the Photophysical Properties of Carbon Dots: A Comparative Investigation at the Bulk-State and Single-Particle Level. <i>Advanced Functional Materials</i> , 2019, 29, 1902466.	14.9	57
105	Exploring the trans-cleavage activity of CRISPR-Cas12a for the development of a Mxene based electrochemiluminescence biosensor for the detection of Siglec-5. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113019.	10.1	57
106	Three-Dimensional Chiral Imaging by Sum-Frequency Generation. <i>Journal of the American Chemical Society</i> , 2006, 128, 3482-3483.	13.7	56
107	Puerarin inhibits amyloid $\beta$ -induced NLRP3 inflammasome activation in retinal pigment epithelial cells via suppressing ROS-dependent oxidative and endoplasmic reticulum stresses. <i>Experimental Cell Research</i> , 2017, 357, 335-340.	2.6	56
108	Multi-cracks identification method for cantilever beam structure with variable cross-sections based on measured natural frequency changes. <i>Journal of Sound and Vibration</i> , 2017, 387, 53-65.	3.9	56



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109	Structures of outer-arm dynein array on microtubule doublet reveal a motor coordination mechanism. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 799-810.	8.2	55
110	Antibiotic-induced microbiome depletion protects against MPTP-induced dopaminergic neurotoxicity in the brain. <i>Aging</i> , 2019, 11, 6915-6929.	3.1	55
111	Traffic-related air pollution and the incidence of childhood central nervous system tumors: Texas, 2001-2009. <i>Pediatric Blood and Cancer</i> , 2015, 62, 1572-1578.	1.5	54
112	Microchip electrophoresis based aptasensor for multiplexed detection of antibiotics in foods via a stir-bar assisted multi-arm junctions recycling for signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 130, 139-146.	10.1	54
113	Dual-Wavelength Electrochemiluminescence Ratiometric Biosensor for NF- $\kappa$ B p50 Detection with Dimethylthiodiaminoterephthalate Fluorophore and Self-Assembled DNA Tetrahedron Nanostructures Probe. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11409-11418.	8.0	54
114	Near-road air pollutant concentrations of CO and PM <sub>2.5</sub> : A comparison of MOBILE6.2/CALINE4 and generalized additive models. <i>Atmospheric Environment</i> , 2010, 44, 1740-1748.	4.1	53
115	Signal-induced Brd4 release from chromatin is essential for its role transition from chromatin targeting to transcriptional regulation. <i>Nucleic Acids Research</i> , 2011, 39, 9592-9604.	14.5	53
116	miR-200b suppresses invasiveness and modulates the cytoskeletal and adhesive machinery in esophageal squamous cell carcinoma cells via targeting Kindlin-2. <i>Carcinogenesis</i> , 2014, 35, 292-301.	2.8	53
117	Amyloid $\beta$ induces NLRP3 inflammasome activation in retinal pigment epithelial cells via NADPH oxidase- and mitochondria-dependent ROS production. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21887.	3.0	53
118	Polarization-induced saw-tooth-like potential distribution in zincblende-wurtzite superlattice for efficient charge separation. <i>Nano Energy</i> , 2017, 41, 101-108.	16.0	53
119	Proteomic analysis of the OGT interactome: novel links to epithelial-mesenchymal transition and metastasis of cervical cancer. <i>Carcinogenesis</i> , 2018, 39, 1222-1234.	2.8	53
120	Lack of Opioid System in the Antidepressant Actions of Ketamine. <i>Biological Psychiatry</i> , 2019, 85, e25-e27.	1.3	53
121	Cryo-EM structure of a transcribing cypovirus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6118-6123.	7.1	52
122	Binding-induced and label-free colorimetric method for protein detection based on autonomous assembly of hemin/G-quadruplex DNAzyme amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015, 64, 572-578.	10.1	52
123	Fault Diagnosis of Wind Turbine Gearbox Using a Novel Method of Fast Deep Graph Convolutional Networks. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-14.	4.7	52
124	An assessment of air pollutant exposure methods in Mexico City, Mexico. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 581-591.	1.9	51
125	Protein lysine de-2-hydroxyisobutyrylation by CobB in prokaryotes. <i>Science Advances</i> , 2019, 5, eaaw6703.	10.3	51
126	Universal construction of ultrafine metal oxides coupled in N-enriched 3D carbon nanofibers for high-performance lithium/sodium storage. <i>Nano Energy</i> , 2020, 67, 104222.	16.0	51



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127	TiO <sub>2</sub> Single Crystal with Four-Truncated Bipyramid Morphology as an Efficient Photocatalyst for Hydrogen Production. <i>Small</i> , 2013, 9, 2452-2459.	10.0	50
128	Ubiquitin ligase RNF20/40 facilitates spindle assembly and promotes breast carcinogenesis through stabilizing motor protein Eg5. <i>Nature Communications</i> , 2016, 7, 12648.	12.8	50
129	Taiji: System-level identification of key transcription factors reveals transcriptional waves in mouse embryonic development. <i>Science Advances</i> , 2019, 5, eaav3262.	10.3	50
130	Rational engineering the DNA tetrahedrons of dual wavelength ratiometric electrochemiluminescence biosensor for high efficient detection of SARS-CoV-2 RdRp gene by using entropy-driven and bipedal DNA walker amplification strategy. <i>Chemical Engineering Journal</i> , 2022, 427, 131686.	12.7	50
131	Alkaline earth metal as a novel dopant for chalcogenide solid solution: Improvement of photocatalytic efficiency of Cd <sub>1-x</sub> Zn <sub>x</sub> S by barium surface doping. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 9469-9478.	7.1	49
132	Synthesis of CdS/CNTs photocatalysts and study of hydrogen production by photocatalytic water splitting. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13091-13096.	7.1	49
133	A Sunlight Powered Portable Photoelectrochemical Biosensor Based on a Potentiometric Resolve Ratiometric Principle. <i>Analytical Chemistry</i> , 2018, 90, 13207-13211.	6.5	49
134	A pH-engineering regenerative DNA tetrahedron ECL biosensor for the assay of SARS-CoV-2 RdRp gene based on CRISPR/Cas12a trans-activity. <i>Chemical Engineering Journal</i> , 2022, 429, 132472.	12.7	49
135	Reversible optogenetic control of kinase activity during differentiation and embryonic development. <i>Development (Cambridge)</i> , 2016, 143, 4085-4094.	2.5	48
136	FedDetect: A Novel Privacy-Preserving Federated Learning Framework for Energy Theft Detection in Smart Grid. <i>IEEE Internet of Things Journal</i> , 2022, 9, 6069-6080.	8.7	48
137	Highly Efficient Near-Infrared Thermally Activated Delayed Fluorescence Molecules via Acceptor Tuning: Theoretical Molecular Design and Experimental Verification. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1893-1903.	4.6	48
138	Review of underfloor air distribution technology. <i>Energy and Buildings</i> , 2014, 85, 180-186.	6.7	47
139	LOXL2 Upregulates Phosphorylation of Ezrin to Promote Cytoskeletal Reorganization and Tumor Cell Invasion. <i>Cancer Research</i> , 2019, 79, 4951-4964.	0.9	47
140	Regulation of EZH2 by SMYD2-Mediated Lysine Methylation Is Implicated in Tumorigenesis. <i>Cell Reports</i> , 2019, 29, 1482-1498.e4.	6.4	47
141	Clinicopathological and prognostic significance of galectin-1 and vascular endothelial growth factor expression in gastric cancer. <i>World Journal of Gastroenterology</i> , 2013, 19, 2073.	3.3	47
142	Metabolic alterations in corpus callosum may compromise brain functional connectivity in MTBI patients: An 1H-MRS study. <i>Neuroscience Letters</i> , 2012, 509, 5-8.	2.1	45
143	A Photoelectrochemical Investigation on the Synergetic Effect between CdS and Reduced Graphene Oxide for Solar Energy Conversion. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2395-2400.	3.3	45
144	Nanoscale monitoring of mitochondria and lysosome interactions for drug screening and discovery. <i>Nano Research</i> , 2019, 12, 1009-1015.	10.4	45

#	ARTICLE	IF	CITATIONS
145	Electric-magnetic-dielectric synergism and Salisbury screen effect in laminated polymer composites with multiwall carbon nanotube, nickel, and antimony trioxide for enhancing electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 156, 106901.	7.6	45
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