

Kai Zhang

List of Publications by Year in descending order

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590
papers

26,069
citations

12330

69
h-index

14208

128
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615
all docs

615
docs citations

615
times ranked

36110
citing authors

#	ARTICLE	IF	CITATIONS
1	Forward Secure Public Key Encryption with Keyword Search for Outsourced Cloud Storage. IEEE Transactions on Cloud Computing, 2022, 10, 426-438.	4.4	40
2	FedDetect: A Novel Privacy-Preserving Federated Learning Framework for Energy Theft Detection in Smart Grid. IEEE Internet of Things Journal, 2022, 9, 6069-6080.	8.7	48
3	Depression and insomnia in COVID-19 survivors: a cross-sectional survey from Chinese rehabilitation centers in Anhui province. Sleep Medicine, 2022, 91, 161-165.	1.6	40
4	GmGSTU13 Is Related to the Development of Mosaic Symptoms in Soybean Plants Infected with Soybean Mosaic Virus. Phytopathology, 2022, 112, 452-459.	2.2	3
5	Estimation of pollutant sources in multi-zone buildings through different deconvolution algorithms. Building Simulation, 2022, 15, 817-830.	5.6	11
6	Interrupted intramolecular donor-acceptor interaction compensated by strong through-space electronic coupling for highly efficient near-infrared TADF with emission over 800Ånm. Chemical Engineering Journal, 2022, 430, 132744.	12.7	23
7	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. Talanta, 2022, 236, 122868.	5.5	59
8	A pH-engineering regenerative DNA tetrahedron ECL biosensor for the assay of SARS-CoV-2 RdRp gene based on CRISPR/Cas12a trans-activity. Chemical Engineering Journal, 2022, 429, 132472.	12.7	49
9	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. Chemical Engineering Journal, 2022, 427, 131686.	12.7	50
10	Cultural transmission based multi-objective evolution strategy for evolutionary multitasking. Information Sciences, 2022, 582, 215-242.	6.9	18
11	H [∞] -Based Minimal Energy Adaptive Control With Preset Convergence Rate. IEEE Transactions on Cybernetics, 2022, 52, 10078-10088.	9.5	8
12	Residual Gated Dynamic Sparse Network for Gearbox Fault Diagnosis Using Multisensor Data. IEEE Transactions on Industrial Informatics, 2022, 18, 2264-2273.	11.3	22
13	Efficient Certificateless Online/Offline Signcryption Scheme for Edge IoT Devices. IEEE Internet of Things Journal, 2022, 9, 8967-8979.	8.7	12
14	Architecture Design and Flight Control of a Novel Octopus Shaped Multirotor Vehicle. IEEE Robotics and Automation Letters, 2022, 7, 311-317.	5.1	5
15	Positive isotope effect in thermally activated delayed fluorescence emitters based on deuterium-substituted donor units. Chemical Engineering Journal, 2022, 430, 132822.	12.7	21
16	An extended ĩ€-backbone for highly efficient near-infrared thermally activated delayed fluorescence with enhanced horizontal molecular orientation. Materials Horizons, 2022, 9, 772-779.	12.2	26
17	Experimental study on the performance of a tree-shaped mini-channel liquid cooling heat sink. Case Studies in Thermal Engineering, 2022, 30, 101780.	5.7	14
18	Investigation of wet ammonia combustion characteristics using LES with finite-rate chemistry. Fuel, 2022, 311, 122422.	6.4	8

#	ARTICLE	IF	CITATIONS
19	A QM/MM study on through space charge transfer-based thermally activated delayed fluorescence molecules in the solid state. <i>Journal of Materials Chemistry C</i> , 2022, 10, 517-531.	5.5	30
20	A Conditional Privacy-Preserving Certificateless Aggregate Signature Scheme in the Standard Model for VANETs. <i>IEEE Access</i> , 2022, 10, 15605-15618.	4.2	21
21	Theoretical Study on the Light-Emitting Mechanism of Multifunctional Thermally Activated Delayed Fluorescence Molecules. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2437-2446.	3.1	10
22	Structure–property relationship study of blue thermally activated delayed fluorescence molecules with different donor and position substitutions: theoretical perspective and molecular design. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4723-4736.	5.5	17
23	Free energy cost to assemble superlattices of polymer-grafted nanoparticles. <i>Soft Matter</i> , 2022, 18, 640-647.	2.7	3
24	Machine learning models for outcome prediction of Chinese uveal melanoma patients: A 15-year follow-up study. <i>Cancer Communications</i> , 2022, 42, 273-276.	9.2	10
25	Dissipation behaviors of suspended granular balls in a vibrated closed container. <i>Powder Technology</i> , 2022, 399, 117158.	4.2	7
26	Inverted perovskite/silicon V-shaped tandem solar cells with 27.6% efficiency <i>via</i> self-assembled monolayer-modified nickel oxide layer. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7251-7262.	10.3	24
27	Highly efficient thermally activated delayed fluorescence emitters with suppressed energy loss and a fast reverse intersystem crossing process. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3685-3690.	5.5	3
28	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
29	Dissipation behaviors of granular balls in a shaken closed container. <i>Mechanical Systems and Signal Processing</i> , 2022, 172, 108986.	8.0	13
30	Study on the performance of a miniscale channel heat sink with Y-shaped unit channels based on entransy analysis. <i>Applied Thermal Engineering</i> , 2022, 209, 118295.	6.0	8
31	TmcA functions as a lysine 2-hydroxyisobutryltransferase to regulate transcription. <i>Nature Chemical Biology</i> , 2022, 18, 142-151.	8.0	8
32	Adaptive dual model predictive control for linear systems with parametric uncertainties. <i>IET Control Theory and Applications</i> , 2022, 16, 1075-1085.	2.1	2
33	Rank-in-Rank Loss for Person Re-identification. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2022, 18, 1-21.	4.3	7
34	Universal non-Hermitian skin effect in two and higher dimensions. <i>Nature Communications</i> , 2022, 13, 2496.	12.8	133
35	Cryo-EM structure of an active central apparatus. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 472-482.	8.2	31
36	The expanding role of split protein complementation in opsin-free optogenetics. <i>Current Opinion in Pharmacology</i> , 2022, 65, 102236.	3.5	2

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37	Theoretical studies on the excited-state properties of thermally activated delayed fluorescence molecules with aggregation induced emission. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9377-9390.	5.5	7
38	Novel Deep Red Thermally Activated Delayed Fluorescence Molecule with Aggregation-Induced Emission Enhancement: Theoretical Design and Experimental Validation. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4711-4720.	4.6	16
39	Zonotopic fault detection for discrete-time systems with limited communication capability and sensor nonlinearity. <i>Journal of the Franklin Institute</i> , 2022, 359, 5733-5749.	3.4	1
40	Study on the cooling performance of a radiative cooling-based ventilated roof for its application in buildings. <i>Building Services Engineering Research and Technology</i> , 2022, 43, 685-702.	1.8	1
41	A theoretical perspective of the relationship between the structures and luminescence properties of red thermally activated delayed fluorescence molecules. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 17140-17154.	2.8	6
42	Phased small RNA-mediated systemic signaling in plants. <i>Science Advances</i> , 2022, 8, .	10.3	19
43	Optimal Time Trajectory Generation and Tracking Control for Over-Actuated Multirotors With Large-Angle Maneuvering Capability. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 8339-8346.	5.1	2
44	Deep Learning for Automatic Detection of Recurrent Retinal Detachment after Surgery Using Ultra-Widefield Fundus Images: A Single-Center Study. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	8
45	Distributionally robust co-optimized offering for transactive multi-energy microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 143, 108451.	5.5	7
46	Effect of roof and ceiling configuration on energy performance of a metamaterial-based cool roof for low-rise office building in China. <i>Indoor and Built Environment</i> , 2021, 30, 1739-1750.	2.8	7
47	Evolution Strategy-Based Many-Objective Evolutionary Algorithm Through Vector Equilibrium. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 5455-5467.	9.5	20
48	Multi-Client Sub-Linear Boolean Keyword Searching for Encrypted Cloud Storage with Owner-Enforced Authorization. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021, 18, 2875-2887.	5.4	23
49	Efficacy of anticonvulsant ethosuximide for major depressive disorder: a randomized, placebo-control clinical trial. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, 271, 487-493.	3.2	6
50	Analysis of the impact of a novel cool roof on cooling performance for a low-rise prefabricated building in China. <i>Building Services Engineering Research and Technology</i> , 2021, 42, 26-44.	1.8	26
51	Investigation of wet combustion instability due to bio-syngas fuel variability. <i>Fuel</i> , 2021, 285, 119120.	6.4	9
52	Systematic Proteome and Lysine Succinylome Analysis Reveals Enhanced Cell Migration by Hyposuccinylation in Esophageal Squamous Cell Carcinoma. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100053.	3.8	28
53	Peptide based Biosensing of Protein Functional Control Indicates Novel Mechanism of Cancerous Development under Oxidative Stress. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129121.	7.8	2
54	Optogenetically Controlled TrkA Activity Improves the Regenerative Capacity of Hair-Follicle-Derived Stem Cells to Differentiate into Neurons and Glia. <i>Advanced Biology</i> , 2021, 5, 2000134.	2.5	6

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55	Electrochemiluminescence platform for transcription factor diagnosis by using CRISPR-Cas12a cleavage activity. <i>Chemical Communications</i> , 2021, 57, 8015-8018.	4.1	20
56	Positive impact of chromophore flexibility on the efficiency of red thermally activated delayed fluorescence materials. <i>Materials Horizons</i> , 2021, 8, 1297-1303.	12.2	41
57	Field Enhancing Model Predictive Direct Torque Control of Permanent Magnet Synchronous Machine. <i>IEEE Transactions on Energy Conversion</i> , 2021, 36, 2924-2933.	5.2	10
58	Fault Detection of Wind Turbines by Subspace Reconstruction-Based Robust Kernel Principal Component Analysis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	4.7	13
59	Nickel doping as an effective strategy to promote separation of photogenerated charge carriers for efficient solar-fuel production. <i>Catalysis Science and Technology</i> , 2021, 11, 4012-4015.	4.1	8
60	Highly efficient T-shaped deep-red thermally activated delayed fluorescence emitters: substitution position effect. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21883-21892.	2.8	20
61	Covalent biosensing enables a one-step, reagent-less, low-cost and highly robust assay of SARS-CoV-2. <i>Chemical Communications</i> , 2021, 57, 10771-10774.	4.1	3
62	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
63	Experimental and Numerical Investigation of Ultra-Wet Methane Combustion Technique for Power Generation. <i>Journal of Engineering for Gas Turbines and Power</i> , 2021, 143, .	1.1	6
64	Atomic arrangement matters: band-gap variation in composition-tunable (Ga _{1-x} Zn _x)(Ni _{1-x} O _x) nanowires. <i>Matter</i> , 2021, 4, 1054-1071.	10.0	14
65	Self-esteem, social support and coping strategies of left-behind children in rural China, and the intermediary role of subjective support: a cross-sectional survey. <i>BMC Psychiatry</i> , 2021, 21, 158.	2.6	15
66	Entropy-driven electrochemiluminescence ultra-sensitive detection strategy of NF- κ B p50 as the regulator of cytokine storm. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112942.	10.1	22
67	Unifying the concepts of scattering and structure factor in ordered and disordered samples. <i>Journal of Applied Crystallography</i> , 2021, 54, 644-660.	4.5	2
68	Effects of lysine 2-hydroxyisobutyrylation on bacterial FabI activity and resistance to triclosan. <i>Biochimie</i> , 2021, 182, 197-205.	2.6	5
69	Sulfonated calix[4]arene functionalized SiO ₂ @TiO ₂ for recognition of lysine methylation. <i>Talanta</i> , 2021, 224, 121819.	5.5	1
70	Quantifying Nanoparticle Assembly States in a Polymer Matrix through Deep Learning. <i>Macromolecules</i> , 2021, 54, 3034-3040.	4.8	9
71	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
72	Rational Engineering of the DNA Walker Amplification Strategy by Using a Au@Ti ₃ C ₂ @PEI-Ru(dcbpy) ₃ ²⁺ Nanocomposite Biosensor for Detection of the SARS-CoV-2 RdRp Gene. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19816-19824.	8.0	60

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73	Finite rate simulations and analyses of wet/distributed flame structure in swirl-stabilized combustion. <i>Fuel</i> , 2021, 289, 119922.	6.4	13
74	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
75	PHF8-promoted TOPBP1 demethylation drives ATR activation and preserves genome stability. <i>Science Advances</i> , 2021, 7, .	10.3	12
76	Experiences and Attitudes of Elementary School Students and Their Parents Toward Online Learning in China During the COVID-19 Pandemic: Questionnaire Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e24496.	4.3	35
77	β -Tocotrienol reverses multidrug resistance of breast cancer cells through the regulation of the β -Tocotrienol-NF- κ B-P-gp axis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 209, 105835.	2.5	19
78	Cardiac cell type-specific gene regulatory programs and disease risk association. <i>Science Advances</i> , 2021, 7, .	10.3	63
79	Electrochemiluminescence aptasensor for Siglec-5 detection based on MoS ₂ @Au nanocomposites emitter and exonuclease III-powered DNA walker. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129592.	7.8	18
80	Automatically Diagnosing Disk Bulge and Disk Herniation With Lumbar Magnetic Resonance Images by Using Deep Convolutional Neural Networks: Method Development Study. <i>JMIR Medical Informatics</i> , 2021, 9, e14755.	2.6	12
81	Unexpected Role of Sterol Synthesis in RNA Stability and Translation in <i>Leishmania</i> . <i>Biomedicines</i> , 2021, 9, 696.	3.2	3
82	Nanoparticle-based fluorescence probe for detection of NF- κ B transcription factor in single cell via steric hindrance. <i>Mikrochimica Acta</i> , 2021, 188, 226.	5.0	3
83	ER-anchored CRTH2 antagonizes collagen biosynthesis and organ fibrosis via binding LARP6. <i>EMBO Journal</i> , 2021, 40, e107403.	7.8	19
84	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
85	Fault source location of wind turbine based on heterogeneous nodes complex network. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 103, 104300.	8.1	14
86	Two-Stage Double Niche Evolution Strategy for Multimodal Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021, 25, 754-768.	10.0	26
87	La,Al-Codoped SrTiO ₃ 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
88	Computerized assisted evaluation system for canine cardiomegaly via key points detection with deep learning. <i>Preventive Veterinary Medicine</i> , 2021, 193, 105399.	1.9	8
89	DNA-guided photoactivatable probe-based chemical proteomics reveals the reader protein of mRNA methylation. <i>IScience</i> , 2021, 24, 103046.	4.1	3
90	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

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91	Optogenetic Control of the Canonical Wnt Signaling Pathway During <i>Xenopus laevis</i> Embryonic Development. <i>Journal of Molecular Biology</i> , 2021, 433, 167050.	4.2	6
92	School Parks as a Community Health Resource: Use of Joint-Use Parks by Children before and during COVID-19 Pandemic. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9237.	2.6	11
93	An Improved Adaptive Selected Harmonic Elimination Algorithm for Current Measurement Error Correction of PMSMs. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 13128-13138.	7.9	17
94	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
95	Thiol-sensitive probe enables dynamic electrochemical assembly of serum protein for detecting SARS-Cov-2 marker protease in clinical samples. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113579.	10.1	4
96	Size-Sieving Separation of Hard-Sphere Gases at Low Concentrations through Cylindrically Porous Membranes. <i>Soft Matter</i> , 2021, 17, 10025-10031.	2.7	2
97	Constrained Feedback Control for Spacecraft Reorientation With an Optimal Gain. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021, 57, 3916-3926.	4.7	21
98	STOCHASTIC MODEL PREDICTIVE CONTROL FOR SPACECRAFT RENDEZVOUS AND DOCKING VIA A DISTRIBUTIONALLY ROBUST OPTIMIZATION APPROACH. <i>ANZIAM Journal</i> , 2021, 63, 39-57.	0.2	0
99	Steering Molecular Activity with Optogenetics: Recent Advances and Perspectives. <i>Advanced Biology</i> , 2021, 5, e2000180.	2.5	13
100	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
101	Study on the Performance of a Y-Shaped Liquid Cooling Heat Sink Based on Constructal Law for Electronic Chip Cooling. <i>Journal of Thermal Science and Engineering Applications</i> , 2021, 13, .	1.5	6
102	The effect of Fe(III) ions on oxygen-vacancy-rich BiVO ₄ on the photocatalytic oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2021, 11, 7598-7607.	4.1	7
103	Generalized Space-Code Index Modulation for High Rate and Energy-Efficient MIMO Transmission. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 12812-12820.	6.3	7
104	An atlas of gene regulatory elements in adult mouse cerebrum. <i>Nature</i> , 2021, 598, 129-136.	27.8	95
105	Identification of immune-related genes and susceptible population of pulmonary tuberculosis by constructing TF-miRNA-mRNA regulatory network. <i>Tuberculosis</i> , 2021, 131, 102139.	1.9	3
106	Intermolecular interaction on excited-state properties of fluoro-substituted thermally activated delayed fluorescence molecules with aggregation-induced emission: a theoretical perspective. <i>Molecular Physics</i> , 2021, 119, e1862931.	1.7	3
107	Effects of Secondary Acceptors on Excited-State Properties of Sky-Blue Thermally Activated Delayed Fluorescence Molecules: Luminescence Mechanism and Molecular Design. <i>Journal of Physical Chemistry A</i> , 2021, 125, 175-186.	2.5	12
108	A single-cell atlas of chromatin accessibility in the human genome. <i>Cell</i> , 2021, 184, 5985-6001.e19.	28.9	194

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109	Structural Isomerization Effect on the Triplet Energy Consumption Process of Organic Room-Temperature Phosphorescence Molecules: A QM/MM Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27810-27819.	3.1	10
110	Does Anatomic Phenotype of Mitral Annular Disjunction Impact Survival? An Autopsy-Based Retrospective Study. <i>Journal of Cardiovascular Development and Disease</i> , 2021, 8, 174.	1.6	1
111	Lack of dopamine D1 receptors in the antidepressant actions of (R)-ketamine in a chronic social defeat stress model. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2020, 270, 271-275.	3.2	15
112	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
113	Natural variation and selection in <i>GmSWEET39</i> affect soybean seed oil content. <i>New Phytologist</i> , 2020, 225, 1651-1666.	7.3	73
114	JMJD6 modulates DNA damage response through downregulating H4K16ac independently of its enzymatic activity. <i>Cell Death and Differentiation</i> , 2020, 27, 1052-1066.	11.2	13
115	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
116	Enabling Molecular Gapping and Bridging on a Biosensing Surface via Electrochemical Cross-Linking and Cleavage. <i>Analytical Chemistry</i> , 2020, 92, 2635-2641.	6.5	2
117	Effect of branching level on the performance of constructal theory based Y-shaped liquid cooling heat sink. <i>Applied Thermal Engineering</i> , 2020, 168, 114824.	6.0	38
118	An association study between methamphetamine use disorder with psychosis and polymorphisms in MiRNA. <i>Neuroscience Letters</i> , 2020, 717, 134725.	2.1	4
119	Molecular Orientation Determination in Nanodiscs at the Single-Molecule Level. <i>Analytical Chemistry</i> , 2020, 92, 2229-2236.	6.5	6
120	Impact of Electrostatic Interactions on the Self-Assembly of Charge-Neutral Block Copolyelectrolytes. <i>Macromolecules</i> , 2020, 53, 548-557.	4.8	14
121	Determination of the concentration of transcription factor by using exonuclease III-aided amplification and gold nanoparticle mediated fluorescence intensity: A new method for gene transcription related enzyme detection. <i>Analytica Chimica Acta</i> , 2020, 1104, 132-139.	5.4	12
122	Precoding-Aided Spatial Modulation With Dual-Polarized Antennas Over Correlated Channels. <i>IEEE Communications Letters</i> , 2020, 24, 676-680.	4.1	2
123	Identification of dual histone modification-binding protein interaction by combining mass spectrometry and isothermal titration calorimetric analysis. <i>Journal of Advanced Research</i> , 2020, 22, 35-46.	9.5	10
124	Privacy-Preserving Locally Weighted Linear Regression Over Encrypted Millions of Data. <i>IEEE Access</i> , 2020, 8, 2247-2257.	4.2	3
125	Enabling Versatile Control of Molecular Activity with Small Molecules and Light. <i>Journal of Molecular Biology</i> , 2020, 432, 5209-5211.	4.2	0
126	Syntaxin Clustering and Optogenetic Control for Synaptic Membrane Fusion. <i>Journal of Molecular Biology</i> , 2020, 432, 4773-4782.	4.2	8

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127	Tolerant Sequential Model Predictive Direct Torque Control of Permanent Magnet Synchronous Machine Drives. <i>IEEE Transactions on Transportation Electrification</i> , 2020, 6, 1167-1176.	7.8	24
128	An Accurate Ensemble Forecasting Approach for Highly Dynamic Cloud Workload With VMD and R-Transformer. <i>IEEE Access</i> , 2020, 8, 115992-116003.	4.2	8
129	An extensive numerical study of the burning dynamics of wildland fuel using proposed configuration space. <i>International Journal of Heat and Mass Transfer</i> , 2020, 160, 120174.	4.8	4
130	Comparative Determination of Cytotoxicity of Sub-10 nm Copper Nanoparticles to Prokaryotic and Eukaryotic Systems. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50203-50211.	8.0	9
131	Solid-State Effect Induced Thermally Activated Delayed Fluorescence with Tunable Emission: A Multiscale Study. <i>Journal of Physical Chemistry A</i> , 2020, 124, 8540-8550.	2.5	18
132	Scale-Resolving Simulation of a Propane-Fuelled Industrial Gas Turbine Combustor Using Finite-Rate Tabulated Chemistry. <i>Fluids</i> , 2020, 5, 126.	1.7	3
133	A feedforward circuit shaped by ECT2 and USP7 contributes to breast carcinogenesis. <i>Theranostics</i> , 2020, 10, 10769-10790.	10.0	12
134	Correspondence between Winding Numbers and Skin Modes in Non-Hermitian Systems. <i>Physical Review Letters</i> , 2020, 125, 126402.	7.8	428
135	Motto: Representing Motifs in Consensus Sequences with Minimum Information Loss. <i>Genetics</i> , 2020, 216, 353-358.	2.9	1
136	Non-Hermitian Bulk-Boundary Correspondence and Auxiliary Generalized Brillouin Zone Theory. <i>Physical Review Letters</i> , 2020, 125, 226402.	7.8	245
137	Application of Multiplexed Aptasensors in Food Contaminants Detection. <i>ACS Sensors</i> , 2020, 5, 3721-3738.	7.8	75
138	A dual-labeling probe to track functional mitochondria-lysosome interactions in live cells. <i>Nature Communications</i> , 2020, 11, 6290.	12.8	116
139	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
140	Competition between PAF1 and MLL1/COMPASS confers the opposing function of LEDGF/p75 in HIV latency and proviral reactivation. <i>Science Advances</i> , 2020, 6, eaaz8411.	10.3	13
141	Solutions to mitigate the impact of measurement noise on the air pollution source strength estimation in a multi-zone building. <i>Building Simulation</i> , 2020, 13, 1329-1337.	5.6	9
142	HRP2-DPF3-BAF complex coordinates histone modification and chromatin remodeling to regulate myogenic gene transcription. <i>Nucleic Acids Research</i> , 2020, 48, 6563-6582.	14.5	25
143	Oncoprotein SND1 hijacks nascent MHC-I heavy chain to ER-associated degradation, leading to impaired CD8 ⁺ T cell response in tumor. <i>Science Advances</i> , 2020, 6, .	10.3	18
144	Dense anatomical annotation of slit-lamp images improves the performance of deep learning for the diagnosis of ophthalmic disorders. <i>Nature Biomedical Engineering</i> , 2020, 4, 767-777.	22.5	42

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145	Illustrating the Concepts of Entropy, Free Energy, and Thermodynamic Equilibrium with a Lattice Model. <i>Journal of Chemical Education</i> , 2020, 97, 1903-1907.	2.3	0
146	A Case Report of Suicide Attempt Caused by Acute and Transient Psychotic Disorder during the COVID-19 Outbreak. <i>Case Reports in Psychiatry</i> , 2020, 2020, 1-3.	0.5	8
147	Genetic Variation and Sequence Diversity of Starch Biosynthesis and Sucrose Metabolism Genes in Sweet Potato. <i>Agronomy</i> , 2020, 10, 627.	3.0	6
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