Kai Zhang

List of Publications by Year
in descending order

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	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	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
3	Estimation of pollutant sources in multi-zone buildings through different deconvolution algorithms. Building Simulation, 2022, 15, 817-830.	5.6	11
4	Interrupted intramolecular donor-acceptor interaction compensated by strong through-space electronic coupling for highly efficient near-infrared TADF with emission over 800Ânm. Chemical Engineering Journal, 2022, 430, 132744.	12.7	23
5	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
6	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
7	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
8	Cultural transmission based multi-objective evolution strategy for evolutionary multitasking. Information Sciences, 2022, 582, 215-242.	6.9	18
9	H_{â^ž}-Based Minimal Energy Adaptive Control With Preset Convergence Rate. IEEE Transactions on Cybernetics, 2022, 52, 10078-10088.	9.5	8
10	Residual Gated Dynamic Sparse Network for Gearbox Fault Diagnosis Using Multisensor Data. IEEE Transactions on Industrial Informatics, 2022, 18, 2264-2273.	11.3	22
11	Architecture Design and Flight Control of a Novel Octopus Shaped Multirotor Vehicle. IEEE Robotics and Automation Letters, 2022, 7, 311-317.	5.1	5
12	Positive isotope effect in thermally activated delayed fluorescence emitters based on deuterium-substituted donor units. Chemical Engineering Journal, 2022, 430, 132822.	12.7	21
13	An extended Ï€-backbone for highly efficient near-infrared thermally activated delayed fluorescence with enhanced horizontal molecular orientation. Materials Horizons, 2022, 9, 772-779.	12.2	26
14	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
15	Building Homogenous Li₂TiO₃ Coating Layer on Primary Particles to Stabilize Liâ€Rich Mnâ€Based Cathode Materials. Small, 2022, 18, e2106337.	10.0	42
16	Investigation of wet ammonia combustion characteristics using LES with finite-rate chemistry. Fuel, 2022, 311, 122422.	6.4	8
17	A QM/MM study on through space charge transfer-based thermally activated delayed fluorescence molecules in the solid state. Journal of Materials Chemistry C, 2022, 10, 517-531.	5.5	30
18	A Conditional Privacy-Preserving Certificateless Aggregate Signature Scheme in the Standard Model for VANETs. IEEE Access, 2022, 10, 15605-15618.	4.2	21

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19	Theoretical Study on the Light-Emitting Mechanism of Multifunctional Thermally Activated Delayed Fluorescence Molecules. Journal of Physical Chemistry C, 2022, 126, 2437-2446.	3.1	10
20	Structureâ€“property relationship study of blue thermally activated delayed fluorescence molecules with different donor and position substitutions: theoretical perspective and molecular design. Journal of Materials Chemistry C, 2022, 10, 4723-4736.	5.5	17
21	Free energy cost to assemble superlattices of polymer-grafted nanoparticles. Soft Matter, 2022, 18, 640-647.	2.7	3
22	Machine learning models for outcome prediction of Chinese uveal melanoma patients: A 15â€year followâ€up study. Cancer Communications, 2022, 42, 273-276.	9.2	10
23	An MXeneâ€Based Metal Anode with Stepped Sodiophilic Gradient Structure Enables a Large Current Density for Rechargeable Naâ€“O₂ Batteries. Advanced Materials, 2022, 34, e2106565.	21.0	35
24	Inverted perovskite/silicon V-shaped tandem solar cells with 27.6% efficiency via self-assembled monolayer-modified nickel oxide layer. Journal of Materials Chemistry A, 2022, 10, 7251-7262.	10.3	24
25	Challenges and advances in wide-temperature rechargeable lithium batteries. Energy and Environmental Science, 2022, 15, 1711-1759.	30.8	138
26	Highly efficient thermally activated delayed fluorescence emitters with suppressed energy loss and a fast reverse intersystem crossing process. Journal of Materials Chemistry C, 2022, 10, 3685-3690.	5.5	3
27	Inverse analysis of critical current density in a bulk high-temperature superconducting undulator. Physical Review Accelerators and Beams, 2022, 25, .	1.6	2
28	Dissipation behaviors of granular balls in a shaken closed container. Mechanical Systems and Signal Processing, 2022, 172, 108986.	8.0	13
29	Study on the performance of a miniscale channel heat sink with Y-shaped unit channels based on entransy analysis. Applied Thermal Engineering, 2022, 209, 118295.	6.0	8
30	TmcA functions as a lysine 2-hydroxyisobutyryltransferase to regulate transcription. Nature Chemical Biology, 2022, 18, 142-151.	8.0	8
31	Regulating Pseudo-Jahnâ€“Teller Effect and Superstructure in Layered Cathode Materials for Reversible Alkali-Ion Intercalation. Journal of the American Chemical Society, 2022, 144, 7929-7938.	13.7	22
32	Quinone Electrodes for Alkaliâ€“Acid Hybrid Batteries. Journal of the American Chemical Society, 2022, 144, 8066-8072.	13.7	23
33	Deepâ€Learningâ€Enabled Crack Detection and Analysis in Commercial Lithiumâ€Ion Battery Cathodes. Advanced Functional Materials, 2022, 32, .	14.9	9
34	Feature detection network-based correction method for accurate nano-tomography reconstruction. Applied Optics, 2022, 61, 5695.	1.8	3
35	Hysteresis Induced by Incomplete Cationic Redox in Liâ€Rich 3dâ€Transitionâ€Metal Layered Oxides Cathodes. Advanced Science, 2022, 9, .	11.2	7
36	Effect of roof and ceiling configuration on energy performance of a metamaterial-based cool roof for low-rise office building in China. Indoor and Built Environment, 2021, 30, 1739-1750.	2.8	7

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37	Evolution Strategy-Based Many-Objective Evolutionary Algorithm Through Vector Equilibrium. IEEE Transactions on Cybernetics, 2021, 51, 5455-5467.	9.5	20
38	Multi-Client Sub-Linear Boolean Keyword Searching for Encrypted Cloud Storage with Owner-Enforced Authorization. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 2875-2887.	5.4	23
39	Efficacy of anticonvulsant ethosuximide for major depressive disorder: a randomized, placebo-control clinical trial. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 487-493.	3.2	6
40	Analysis of the impact of a novel cool roof on cooling performance for a low-rise prefabricated building in China. Building Services Engineering Research and Technology, 2021, 42, 26-44.	1.8	26
41	Investigation of wet combustion instability due to bio-syngas fuel variability. Fuel, 2021, 285, 119120.	6.4	9
42	Systematic Proteome and Lysine Succinylome Analysis Reveals Enhanced Cell Migration by Hyposuccinylation in Esophageal Squamous Cell Carcinoma. Molecular and Cellular Proteomics, 2021, 20, 100053.	3.8	28
43	Peptide based Biosensing of Protein Functional Control Indicates Novel Mechanism of Cancerous Development under Oxidative Stress. Sensors and Actuators B: Chemical, 2021, 329, 129121.	7.8	2
44	Recent breakthroughs and perspectives of high-energy layered oxide cathode materials for lithium ion batteries. Materials Today, 2021, 43, 132-165.	14.2	174
45	Mitigation of Jahnâ€“Teller distortion and Na⁺/vacancy ordering in a distorted manganese oxide cathode material by Li substitution. Chemical Science, 2021, 12, 1062-1067.	7.4	64
46	Optogenetically Controlled TrkA Activity Improves the Regenerative Capacity of Hairâ€Follicleâ€Derived Stem Cells to Differentiate into Neurons and Glia. Advanced Biology, 2021, 5, 2000134.	2.5	6
47	A method for material decomposition and quantification with grating based phase CT. PLoS ONE, 2021, 16, e0245449.	2.5	3
48	Electrochemiluminescence platform for transcription factor diagnosis by using CRISPRâ€“Cas12a trans-cleavage activity. Chemical Communications, 2021, 57, 8015-8018.	4.1	20
49	Positive impact of chromophore flexibility on the efficiency of red thermally activated delayed fluorescence materials. Materials Horizons, 2021, 8, 1297-1303.	12.2	41
50	Interfacial engineering facilitating robust Li_{6.35}Ga_{0.15}La₃Zr_{1.8}Nb_{0.2}O₁₂ for all-solid-state lithium batteries. Sustainable Energy and Fuels, 2021, 5, 2077-2084.	4.9	10
51	Understanding the Mesoscale Degradation in Nickel-Rich Cathode Materials through Machine-Learning-Revealed Strainâ€“Redox Decoupling. ACS Energy Letters, 2021, 6, 687-693.	17.4	42
52	Field Enhancing Model Predictive Direct Torque Control of Permanent Magnet Synchronous Machine. IEEE Transactions on Energy Conversion, 2021, 36, 2924-2933.	5.2	10
53	Fault Detection of Wind Turbines by Subspace Reconstruction-Based Robust Kernel Principal Component Analysis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	13
54	Nickel doping as an effective strategy to promote separation of photogenerated charge carriers for efficient solar-fuel production. Catalysis Science and Technology, 2021, 11, 4012-4015.	4.1	8

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55	Highly efficient T-shaped deep-red thermally activated delayed fluorescence emitters: substitution position effect. Physical Chemistry Chemical Physics, 2021, 23, 21883-21892.	2.8	20
56	â€œCovalent biosensingâ€•enables a one-step, reagent-less, low-cost and highly robust assay of SARS-CoV-2. Chemical Communications, 2021, 57, 10771-10774.	4.1	3
57	Electroless Formation of a Fluorinated Li/Na Hybrid Interphase for Robust Lithium Anodes. Journal of the American Chemical Society, 2021, 143, 2829-2837.	13.7	119
58	Highly Efficient Near-Infrared Thermally Activated Delayed Fluorescence Molecules via Acceptor Tuning: Theoretical Molecular Design and Experimental Verification. Journal of Physical Chemistry Letters, 2021, 12, 1893-1903.	4.6	48
59	Experimental and Numerical Investigation of Ultra-Wet Methane Combustion Technique for Power Generation. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	6
60	Atomic arrangement matters: band-gap variation in composition-tunable (Ga1â€“xZnx)(N1â€“xOx) nanowires. Matter, 2021, 4, 1054-1071.	10.0	14
61	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. BMC Psychiatry, 2021, 21, 158.	2.6	15
62	Entropy-driven electrochemiluminescence ultra-sensitive detection strategy of NF-ÎºB p50 as the regulator of cytokine storm. Biosensors and Bioelectronics, 2021, 176, 112942.	10.1	22
63	Unifying the concepts of scattering and structure factor in ordered and disordered samples. Journal of Applied Crystallography, 2021, 54, 644-660.	4.5	2
64	Magnetization Current Simulation of High-Temperature Bulk Superconductors Using the ANSYS Iterative Algorithm Method. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	5
65	Structural Engineering of Covalent Organic Frameworks for Rechargeable Batteries. Advanced Energy Materials, 2021, 11, 2003054.	19.5	61
66	Zone plate-based full-field transmission X-ray microscopy beamline design at nearly diffraction-limited synchrotron radiation facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 993, 165089.	1.6	1
67	Aromaticity/Antiaromaticity Effect on Activity of Transition Metal Macrocyclic Complexes towards Electrocatalytic Oxygen Reduction. ChemSusChem, 2021, 14, 1835-1839.	6.8	10
68	Rechargeable Kâ€CO₂ Batteries with a KSn Anode and a Carboxylâ€Containing Carbon Nanotube Cathode Catalyst. Angewandte Chemie - International Edition, 2021, 60, 9540-9545.	13.8	23
69	High-capacity and small-polarization aluminum organic batteries based on sustainable quinone-based cathodes with Al3+ insertion. Cell Reports Physical Science, 2021, 2, 100354.	5.6	32
70	Effects of lysine 2-hydroxyisobutyrylation on bacterial FabI activity and resistance to triclosan. Biochimie, 2021, 182, 197-205.	2.6	5
71	Sulfonated calix[4]arene functionalized SiO2@TiO2 for recognition of lysine methylation. Talanta, 2021, 224, 121819.	5.5	1
72	Quantifying Nanoparticle Assembly States in a Polymer Matrix through Deep Learning. Macromolecules, 2021, 54, 3034-3040.	4.8	9

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73	Entropy-driven amplified electrochemiluminescence biosensor for RdRp gene of SARS-CoV-2 detection with self-assembled DNA tetrahedron scaffolds. Biosensors and Bioelectronics, 2021, 178, 113015.	10.1	98
74	Highâ€Energyâ€Density Quinoneâ€Based Electrodes with [Al(OTF)]²⁺ Storage Mechanism for Rechargeable Aqueous Aluminum Batteries. Advanced Functional Materials, 2021, 31, 2102063.	14.9	61
75	Rational Engineering of the DNA Walker Amplification Strategy by Using a Au@Ti₃C₂@PEI-Ru(dcbpy)₃²⁺ Nanocomposite Biosensor for Detection of the SARS-CoV-2 RdRp Gene. ACS Applied Materials & Interfaces, 2021, 13, 19816-19824.	8.0	60
76	Opportunities and challenges for aqueous metal-proton batteries. Matter, 2021, 4, 1252-1273.	10.0	63
77	Finite rate simulations and analyses of wet/distributed flame structure in swirl-stabilized combustion. Fuel, 2021, 289, 119922.	6.4	13
78	Exploring the trans-cleavage activity of CRISPR-Cas12a for the development of a Mxene based electrochemiluminescence biosensor for the detection of Siglec-5. Biosensors and Bioelectronics, 2021, 178, 113019.	10.1	57
79	A Lowâ€Strain Potassiumâ€Rich Prussian Blue Analogue Cathode for High Power Potassiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 13050-13056.	13.8	90
80	PHF8-promoted TOPBP1 demethylation drives ATR activation and preserves genome stability. Science Advances, 2021, 7, .	10.3	12
81	Experiences and Attitudes of Elementary School Students and Their Parents Toward Online Learning in China During the COVID-19 Pandemic: Questionnaire Study. Journal of Medical Internet Research, 2021, 23, e24496.	4.3	35
82	Î³-Tocotrienol reverses multidrug resistance of breast cancer cells through the regulation of the Î³-Tocotrienol-NF-ÎºB-P-gp axis. Journal of Steroid Biochemistry and Molecular Biology, 2021, 209, 105835.	2.5	19
83	Cardiac cell typeâ€“specific gene regulatory programs and disease risk association. Science Advances, 2021, 7, .	10.3	63
84	Electrochemiluminescence aptasensor for Siglec-5 detection based on MoS2@Au nanocomposites emitter and exonuclease III-powered DNA walker. Sensors and Actuators B: Chemical, 2021, 334, 129592.	7.8	18
85	Hierarchical Ti₃C₂T_x MXene/Carbon Nanotubes for Low Overpotential and Long-Life Li-CO₂ Batteries. ACS Nano, 2021, 15, 8407-8417.	14.6	54
86	Automatically Diagnosing Disk Bulge and Disk Herniation With Lumbar Magnetic Resonance Images by Using Deep Convolutional Neural Networks: Method Development Study. JMIR Medical Informatics, 2021, 9, e14755.	2.6	12
87	Advances and Challenges for the Electrochemical Reduction of CO₂ to CO: From Fundamentals to Industrialization. Angewandte Chemie - International Edition, 2021, 60, 20627-20648.	13.8	408
88	Unexpected Role of Sterol Synthesis in RNA Stability and Translation in Leishmania. Biomedicines, 2021, 9, 696.	3.2	3
89	Nanoparticle-based fluorescence probe for detection of NF-ÎºB transcription factor in single cell via steric hindrance. Mikrochimica Acta, 2021, 188, 226.	5.0	3
90	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via dâ€“Ï€ Conjugation. Angewandte Chemie - International Edition, 2021, 60, 16937-16941.	13.8	74

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91	Engineering a self-navigated MnARK nanovaccine for inducing potent protective immunity against novel coronavirus. Nano Today, 2021, 38, 101139.	11.9	60
92	Sulfur-linked carbonyl polymer as a robust organic cathode for rapid and durable aluminum batteries. Journal of Energy Chemistry, 2021, 63, 320-327.	12.9	22
93	ERâ€anchored CRTH2 antagonizes collagen biosynthesis and organ fibrosis via binding LARP6. EMBO Journal, 2021, 40, e107403.	7.8	19
94	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
95	Fault source location of wind turbine based on heterogeneous nodes complex network. Engineering Applications of Artificial Intelligence, 2021, 103, 104300.	8.1	14
96	Two-Stage Double Niched Evolution Strategy for Multimodal Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 754-768.	10.0	26
97	Fully-staggered-array bulk Re-Ba-Cu-O short-period undulator: large-scale 3D electromagnetic modelling and design optimization using A-V and H-formulation methods. Superconductor Science and Technology, 2021, 34, 094002.	3.5	5
98	La,Al-Codoped SrTiO₃ as a Photocatalyst in Overall Water Splitting: Significant Surface Engineering Effects on Defect Engineering. ACS Catalysis, 2021, 11, 11429-11439.	11.2	83
99	Two-Phase Transition Induced Amorphous Metal Phosphides Enabling Rapid, Reversible Alkali-Metal Ion Storage. ACS Nano, 2021, 15, 13486-13494.	14.6	23
100	Computerized assisted evaluation system for canine cardiomegaly via key points detection with deep learning. Preventive Veterinary Medicine, 2021, 193, 105399.	1.9	8
101	DNA-guided photoactivatable probe-based chemical proteomics reveals the reader protein of mRNA methylation. IScience, 2021, 24, 103046.	4.1	3
102	Insights into the Ionic Conduction Mechanism of Quasiâ€Solid Polymer Electrolytes through Multispectral Characterization. Angewandte Chemie, 2021, 133, 22854-22859.	2.0	5
103	Structures of outer-arm dynein array on microtubule doublet reveal a motor coordination mechanism. Nature Structural and Molecular Biology, 2021, 28, 799-810.	8.2	55
104	Designing Anionâ€Type Waterâ€Free Zn²⁺ Solvation Structure for Robust Zn Metal Anode. Angewandte Chemie - International Edition, 2021, 60, 23357-23364.	13.8	179
105	Deep-learning-based image registration for nano-resolution tomographic reconstruction. Journal of Synchrotron Radiation, 2021, 28, 1909-1915.	2.4	9
106	Designing Anionâ€Type Waterâ€Free Zn²⁺ Solvation Structure for Robust Zn Metal Anode. Angewandte Chemie, 2021, 133, 23545-23552.	2.0	57
107	Optogenetic Control of the Canonical Wnt Signaling Pathway During Xenopus laevis Embryonic Development. Journal of Molecular Biology, 2021, 433, 167050.	4.2	6
108	Accurate reconstruction algorithm for bilateral differential phase signals. Radiation Detection Technology and Methods, 2021, 5, 474-479.	0.8	1

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109	Insights into the Ionic Conduction Mechanism of Quasiâ€Solid Polymer Electrolytes through Multispectral Characterization. Angewandte Chemie - International Edition, 2021, 60, 22672-22677.	13.8	72
110	School Parks as a Community Health Resource: Use of Joint-Use Parks by Children before and during COVID-19 Pandemic. International Journal of Environmental Research and Public Health, 2021, 18, 9237.	2.6	11
111	An Improved Adaptive Selected Harmonic Elimination Algorithm for Current Measurement Error Correction of PMSMs. IEEE Transactions on Power Electronics, 2021, 36, 13128-13138.	7.9	17
112	A fault diagnosis method for wind turbines gearbox based on adaptive loss weighted meta-ResNet under noisy labels. Mechanical Systems and Signal Processing, 2021, 161, 107963.	8.0	75
113	Thiol-sensitive probe enables dynamic electrochemical assembly of serum protein for detecting SARS-Cov-2 marker protease in clinical samples. Biosensors and Bioelectronics, 2021, 194, 113579.	10.1	4
114	Advanced Transmission X-ray Microscopy for Energy Materials and Devices. , 2021, , 45-64.		0
115	Size-Sieving Separation of Hard-Sphere Gases at Low Concentrations through Cylindrically Porous Membranes. Soft Matter, 2021, 17, 10025-10031.	2.7	2
116	Constrained Feedback Control for Spacecraft Reorientation With an Optimal Gain. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3916-3926.	4.7	21
117	STOCHASTIC MODEL PREDICTIVE CONTROL FOR SPACECRAFT RENDEZVOUS AND DOCKING VIA A DISTRIBUTIONALLY ROBUST OPTIMIZATION APPROACH. ANZIAM Journal, 2021, 63, 39-57.	0.2	0
118	Automatic 3D image registration for nano-resolution chemical mapping using synchrotron spectro-tomography. Journal of Synchrotron Radiation, 2021, 28, 278-282.	2.4	11
119	Steering Molecular Activity with Optogenetics: Recent Advances and Perspectives. Advanced Biology, 2021, 5, e2000180.	2.5	13
120	Strategies for boosting carbon electrocatalysts for the oxygen reduction reaction in non-aqueous metalâ€“air battery systems. Journal of Materials Chemistry A, 2021, 9, 6671-6693.	10.3	37
121	Fault Diagnosis of Wind Turbine Gearbox Using a Novel Method of Fast Deep Graph Convolutional Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	52
122	In Situ Polymerized Conjugated Poly(pyreneâ€4,5,9,10â€tetraone)/Carbon Nanotubes Composites for Highâ€Performance Cathode of Sodium Batteries. Advanced Energy Materials, 2021, 11, 2002917.	19.5	69
123	Study on the Performance of a Y-Shaped Liquid Cooling Heat Sink Based on Constructal Law for Electronic Chip Cooling. Journal of Thermal Science and Engineering Applications, 2021, 13, .	1.5	6
124	The effect of Fe(<scp>iii</scp>) ions on oxygen-vacancy-rich BiVO₄ on the photocatalytic oxygen evolution reaction. Catalysis Science and Technology, 2021, 11, 7598-7607.	4.1	7
125	Generalized Space-Code Index Modulation for High Rate and Energy-Efficient MIMO Transmission. IEEE Transactions on Vehicular Technology, 2021, 70, 12812-12820.	6.3	7
126	An atlas of gene regulatory elements in adult mouse cerebrum. Nature, 2021, 598, 129-136.	27.8	95

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127	Intermolecular interaction on excited-state properties of fluoro-substituted thermally activated delayed fluorescence molecules with aggregation-induced emission: a theoretical perspective. Molecular Physics, 2021, 119, e1862931.	1.7	3
128	Effects of Secondary Acceptors on Excited-State Properties of Sky-Blue Thermally Activated Delayed Fluorescence Molecules: Luminescence Mechanism and Molecular Design. Journal of Physical Chemistry A, 2021, 125, 175-186.	2.5	12
129	A single-cell atlas of chromatin accessibility in the human genome. Cell, 2021, 184, 5985-6001.e19.	28.9	194
130	Structural Isomerization Effect on the Triplet Energy Consumption Process of Organic Room-Temperature Phosphorescence Molecules: A QM/MM Study. Journal of Physical Chemistry C, 2021, 125, 27810-27819.	3.1	10
131	Lack of dopamine D1 receptors in the antidepressant actions of (R)-ketamine in a chronic social defeat stress model. European Archives of Psychiatry and Clinical Neuroscience, 2020, 270, 271-275.	3.2	15
132	Antibiotic-induced microbiome depletion is associated with resilience in mice after chronic social defeat stress. Journal of Affective Disorders, 2020, 260, 448-457.	4.1	67
133	Natural variation and selection in GmSWEET39 affect soybean seed oil content. New Phytologist, 2020, 225, 1651-1666.	7.3	73
134	JMJD6 modulates DNA damage response through downregulating H4K16ac independently of its enzymatic activity. Cell Death and Differentiation, 2020, 27, 1052-1066.	11.2	13
135	Universal construction of ultrafine metal oxides coupled in N-enriched 3D carbon nanofibers for high-performance lithium/sodium storage. Nano Energy, 2020, 67, 104222.	16.0	51
136	Enabling Molecular Gapping and Bridging on a Biosensing Surface via Electrochemical Cross-Linking and Cleavage. Analytical Chemistry, 2020, 92, 2635-2641.	6.5	2
137	Effect of branching level on the performance of constructal theory based Y-shaped liquid cooling heat sink. Applied Thermal Engineering, 2020, 168, 114824.	6.0	38
138	An association study between methamphetamine use disorder with psychosis and polymorphisms in MiRNA. Neuroscience Letters, 2020, 717, 134725.	2.1	4
139	Molecular Orientation Determination in Nanodiscs at the Single-Molecule Level. Analytical Chemistry, 2020, 92, 2229-2236.	6.5	6
140	Impact of Electrostatic Interactions on the Self-Assembly of Charge-Neutral Block Copolyelectrolytes. Macromolecules, 2020, 53, 548-557.	4.8	14
141	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. Analytica Chimica Acta, 2020, 1104, 132-139.	5.4	12
142	Precoding-Aided Spatial Modulation With Dual-Polarized Antennas Over Correlated Channels. IEEE Communications Letters, 2020, 24, 676-680.	4.1	2
143	Engineering Solid Electrolyte Interphase on Red Phosphorus for Long-Term and High-Capacity Sodium Storage. Chemistry of Materials, 2020, 32, 448-458.	6.7	29
144	Identification of dual histone modification-binding protein interaction by combining mass spectrometry and isothermal titration calorimetric analysis. Journal of Advanced Research, 2020, 22, 35-46.	9.5	10

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145	Privacy-Preserving Locally Weighted Linear Regression Over Encrypted Millions of Data. IEEE Access, 2020, 8, 2247-2257.	4.2	3
146	Enabling Versatile Control of Molecular Activity with Small Molecules and Light. Journal of Molecular Biology, 2020, 432, 5209-5211.	4.2	0
147	Syntaxin Clustering and Optogenetic Control for Synaptic Membrane Fusion. Journal of Molecular Biology, 2020, 432, 4773-4782.	4.2	8
148	Exploring the Interfacial Chemistry between Zinc Anodes and Aqueous Electrolytes via an In Situ Visualized Characterization System. ACS Applied Materials & Interfaces, 2020, 12, 55476-55482.	8.0	58
149	Tolerant Sequential Model Predictive Direct Torque Control of Permanent Magnet Synchronous Machine Drives. IEEE Transactions on Transportation Electrification, 2020, 6, 1167-1176.	7.8	24
150	An Accurate Ensemble Forecasting Approach for Highly Dynamic Cloud Workload With VMD and R-Transformer. IEEE Access, 2020, 8, 115992-116003.	4.2	8
151	Featuring surface sodium storage properties of confined MoS2/bacterial cellulose-derived carbon nanofibers anode. Applied Surface Science, 2020, 530, 147261.	6.1	13
152	An extensive numerical study of the burning dynamics of wildland fuel using proposed configuration space. International Journal of Heat and Mass Transfer, 2020, 160, 120174.	4.8	4
153	Room-Temperature Flexible Quasi-Solid-State Rechargeable Naâ€“O₂ Batteries. ACS Central Science, 2020, 6, 1955-1963.	11.3	25
154	Comparative Determination of Cytotoxicity of Sub-10 nm Copper Nanoparticles to Prokaryotic and Eukaryotic Systems. ACS Applied Materials & Interfaces, 2020, 12, 50203-50211.	8.0	9
155	Multifunctionalities of Graphene for Exploiting a Facile Conversion Reaction Route of Perovskite CoSnO₃ for Highly Reversible Na Ion Storage. Journal of Physical Chemistry Letters, 2020, 11, 7988-7995.	4.6	5
156	Solid-State Effect Induced Thermally Activated Delayed Fluorescence with Tunable Emission: A Multiscale Study. Journal of Physical Chemistry A, 2020, 124, 8540-8550.	2.5	18
157	Scale-Resolving Simulation of a Propane-Fuelled Industrial Gas Turbine Combustor Using Finite-Rate Tabulated Chemistry. Fluids, 2020, 5, 126.	1.7	3
158	A feedforward circuit shaped by ECT2 and USP7 contributes to breast carcinogenesis. Theranostics, 2020, 10, 10769-10790.	10.0	12
159	Correspondence between Winding Numbers and Skin Modes in Non-Hermitian Systems. Physical Review Letters, 2020, 125, 126402.	7.8	428
160	Motto: Representing Motifs in Consensus Sequences with Minimum Information Loss. Genetics, 2020, 216, 353-358.	2.9	1
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