

Feng Zhang

List of Publications by Year in descending order

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106
papers

3,209
citations

159585

30
h-index

175258

52
g-index

109
all docs

109
docs citations

109
times ranked

4397
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary Selenium Deficiency and Excess Accelerate Ubiquitin-Mediated Protein Degradation in the Muscle of Rainbow Trout (<i>Oncorhynchus mykiss</i>) via Akt/FoxO3a and NF- κ B Signaling Pathways. <i>Biological Trace Element Research</i> , 2022, 200, 1361-1375.	3.5	11
2	Abundant defects of zirconium-organic xerogels: High anhydrous proton conductivities over a wide temperature range and formic acid impedance sensing. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 181-191.	9.4	7
3	Enhancing triethylamine sensing of ZIF-derived ZnO microspheres arising from cobalt doping and defect engineering. <i>Chemosphere</i> , 2022, 291, 132715.	8.2	5
4	High-Performance 3D Vertically Oriented Graphene Photodetector Using a Floating Indium Tin Oxide Channel. <i>Sensors</i> , 2022, 22, 959.	3.8	3
5	Auxin signaling: Research advances over the past 30 years. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 371-392.	8.5	87
6	Few-layer Mg-deficient borophene nanosheets: $I_{\text{sub}2\text{/sub}}$ oxidation and ultrasonic delamination from $\text{MgB}_{2\text{/sub}}$. <i>Nanoscale</i> , 2022, 14, 4195-4203.	5.6	3
7	Visual Corneal Photomechanical Analysis Is Combined with the Pentacam Correlation Index for the Diagnosis of Cone Corneas at Different Stages of Progression. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-9.	1.9	1
8	An Immune-Related Gene Signature Predicting Prognosis and Immunotherapy Response in Hepatocellular Carcinoma. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, 2203-2216.	1.1	2
9	<i>Coreopsis tinctoria</i> and Its Flavonoids Ameliorate Hyperglycemia in Obese Mice Induced by High-Fat Diet. <i>Nutrients</i> , 2022, 14, 1160.	4.1	8
10	Research on Environmental Influencing Factors of Overweight and Obesity in Children and Adolescents in China. <i>Nutrients</i> , 2022, 14, 35.	4.1	9
11	Dietary selenium requirement of triploid rainbow trout (<i>Oncorhynchus mykiss</i>) based on selenium yeast supplementation. <i>Aquaculture Research</i> , 2022, 53, 3365-3378.	1.8	3
12	A feedback regulation between ARF7-mediated auxin signaling and auxin homeostasis involving MES17 affects plant gravitropism. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1339-1351.	8.5	6
13	Artemether Ameliorates Non-Alcoholic Steatohepatitis by Repressing Lipogenesis, Inflammation, and Fibrosis in Mice. <i>Frontiers in Pharmacology</i> , 2022, 13, 851342.	3.5	5
14	Thermal Design of VCSEL Arrays for Optical Output Power Improvement. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 3761-3767.	3.0	4
15	Sequence-Dependent Tyrosine-Containing Peptide Nanoassemblies for Sensing Tyrosinase and Melanoma. <i>ACS Macro Letters</i> , 2022, 11, 875-881.	4.8	3
16	A New Scoring Method for Personalized Prognostic Prediction in Patients with Combined Hepatocellular and Cholangiocarcinoma After Surgery. <i>Journal of Gastrointestinal Surgery</i> , 2021, 25, 971-982.	1.7	5
17	The pre-mRNA splicing factor RDM16 regulates root stem cell maintenance in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 662-678.	8.5	7
18	Improved Na storage and Coulombic efficiency in TiP2O7@C microflowers for sodium ion batteries. <i>Nano Research</i> , 2021, 14, 139-147.	10.4	18

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19	MPK14-mediated auxin signaling controls lateral root development via ERF13-regulated very-long-chain fatty acid biosynthesis. <i>Molecular Plant</i> , 2021, 14, 285-297.	8.3	57
20	Preparation of conductive polylactic acid/high density polyethylene/carbon black composites with low percolation threshold by locating the carbon black at the interface of co-continuous blends. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50291.	2.6	11
21	Ultrahigh-energy sodium ion capacitors enabled by the enhanced intercalation pseudocapacitance of self-standing Ti ₂ Nb ₂ O ₉ /CNF anodes. <i>Nanoscale</i> , 2021, 13, 15781-15788.	5.6	7
22	Ultra-Large Sized Siloxene Nanosheets as Bifunctional Photocatalyst for a Li ₂ O ₂ Battery with Superior Round-Trip Efficiency and Extra-Long Durability. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11257-11261.	13.8	53
23	Ultra-Large Sized Siloxene Nanosheets as Bifunctional Photocatalyst for a Li ₂ O ₂ Battery with Superior Round-Trip Efficiency and Extra-Long Durability. <i>Angewandte Chemie</i> , 2021, 133, 11357-11361.	2.0	10
24	Cell-type action specificity of auxin on <i>Arabidopsis</i> root growth. <i>Plant Journal</i> , 2021, 106, 928-941.	5.7	11
25	Changes in the Photosynthetic Pigment Contents and Transcription Levels of Phycoerythrin-Related Genes in Three <i>Gracilaria lemaneiformis</i> Strains Under Different Light Intensities. <i>Journal of Ocean University of China</i> , 2021, 20, 661-668.	1.2	8
26	Soluble microbial products from the white-rot fungus <i>Phanerochaete chrysosporium</i> as the bioflocculant for municipal wastewater treatment. <i>Science of the Total Environment</i> , 2021, 780, 146662.	8.0	16
27	Wind Farm Level Coordination for Optimal Inertial Control With a Second-Order Cone Predictive Model. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 2353-2366.	8.8	4
28	IgD-Fc-Ig inhibits B cell function by regulating the BCR-Syk-Btk-NF- κ B signalling pathway in mice with collagen-induced arthritis. <i>Pharmacological Research</i> , 2021, 173, 105873.	7.1	3
29	CRISPR/Cas9 Delivery System Engineering for Genome Editing in Therapeutic Applications. <i>Pharmaceutics</i> , 2021, 13, 1649.	4.5	35
30	IgD promotes pannus formation by activating Wnt5A-Fzd5-CTHRC1-NF- κ B signaling pathway in FLS of CIA rats and the regulation of IgD-Fc-Ig fusion protein. <i>International Immunopharmacology</i> , 2021, 101, 108261.	3.8	6
31	Retinal Vessel Segmentation Algorithm Based on Residual Convolution Neural Network. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 786425.	4.1	11
32	Future haze events in Beijing, China: When climate warms by 1.5 and 2.0°C. <i>International Journal of Climatology</i> , 2020, 40, 3689-3700.	3.5	5
33	New Data and Evidence on the Mineralogy and Geochemistry of Wulantuga High-Ge Coal Deposit of Shengli Coalfield, Inner Mongolia, China. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 17.	2.0	0
34	Antagonistic Interaction between Auxin and SA Signaling Pathways Regulates Bacterial Infection through Lateral Root in <i>Arabidopsis</i> . <i>Cell Reports</i> , 2020, 32, 108060.	6.4	38
35	Sequential Disaster Recovery Model for Distribution Systems With Co-Optimization of Maintenance and Restoration Crew Dispatch. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 4700-4713.	9.0	51
36	Albumin-to-Alkaline Phosphatase Ratio is an Independent Prognostic Indicator in Combined Hepatocellular and Cholangiocarcinoma. <i>Journal of Cancer</i> , 2020, 11, 5177-5186.	2.5	14

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37	Few-layer and large flake size borophene: preparation with solvothermal-assisted liquid phase exfoliation. <i>RSC Advances</i> , 2020, 10, 27532-27537.	3.6	32
38	A Novel Pre-treatment Model Predicting Risk of Developing Refractoriness to Transarterial Chemoembolization in Unresectable Hepatocellular Carcinoma. <i>Journal of Cancer</i> , 2020, 11, 4589-4596.	2.5	11
39	Rational modification of the carbon metabolism of <i>Corynebacterium glutamicum</i> to enhance L-leucine production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 485-495.	3.0	17
40	Mobile Emergency Generator Planning in Resilient Distribution Systems: A Three-Stage Stochastic Model With Nonanticipativity Constraints. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 4847-4859.	9.0	60
41	PRH1 mediates ARF7-LBD dependent auxin signaling to regulate lateral root development in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2020, 16, e1008044.	3.5	34
42	A Fixed-Point Based Distributed Method for Energy Flow Calculation in Multi-Energy Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 2567-2580.	8.8	22
43	The advances in pyroptosis initiated by inflammasome in inflammatory and immune diseases. <i>Inflammation Research</i> , 2020, 69, 159-166.	4.0	52
44	Electrospun Nb2O5 nanorods/microporous multichannel carbon nanofiber film anode for Na ⁺ ion capacitors with good performance. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 1-10.	9.4	29
45	Cloning and expression of Allophycocyanin gene from <i>Gracilariopsis lemaneiformis</i> and studying the binding sites of phycocyanobilin on its α and β subunits. <i>Journal of Applied Phycology</i> , 2020, 32, 2657-2671.	2.8	5
46	A novel control strategy for parallel operation of multi-inverters in low-voltage microgrids. <i>Energy Reports</i> , 2020, 6, 1212-1220.	5.1	2
47	Efficient Human Pose Estimation in Hierarchical Context. <i>IEEE Access</i> , 2019, 7, 29365-29373.	4.2	3
48	Fluorometric determination of mercury(II) by using thymine-thymine mismatches as recognition elements, toehold binding, and enzyme-assisted signal amplification. <i>Mikrochimica Acta</i> , 2019, 186, 551.	5.0	10
49	Accounting for Several Infrared Radiation Processes in Climate Models. <i>Journal of Climate</i> , 2019, 32, 4601-4620.	3.2	5
50	Terahertz biosensing based on bi-layer metamaterial absorbers toward ultra-high sensitivity and simple fabrication. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	59
51	Molecular cloning of the cpeT gene encoding a bilin lyase responsible for attachment of phycoerythrobilin to Cys-158 on the β -subunit of phycoerythrin in <i>Gracilariopsis lemaneiformis</i> . <i>Journal of Applied Phycology</i> , 2019, 31, 3331-3340.	2.8	3
52	Cloning of pcB and pcA Gene from <i>Gracilariopsis lemaneiformis</i> and Expression of a Fluorescent Phycocyanin in Heterologous Host. <i>Genes</i> , 2019, 10, 322.	2.4	6
53	Fengycin Produced by <i>Bacillus amyloliquefaciens</i> FZB42 Inhibits <i>Fusarium graminearum</i> Growth and Mycotoxins Biosynthesis. <i>Toxins</i> , 2019, 11, 295.	3.4	96
54	Improvement of L-Leucine Production in <i>Corynebacterium glutamicum</i> by Altering the Redox Flux. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2020.	4.1	24

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55	Optimal sizing of energy storage considering the spatial&temporal correlation of wind power forecast errors. IET Renewable Power Generation, 2019, 13, 530-538.	3.1	20
56	Integrating a Microwave Resonator and a Microchannel with an Immunochromatographic Strip for Stable and Quantitative Biodetection. ACS Applied Materials & Interfaces, 2019, 11, 14630-14639.	8.0	25
57	Equilibrium of the intracellular redox state for improving cell growth and L-lysine yield of <i>Corynebacterium glutamicum</i> by optimal cofactor swapping. Microbial Cell Factories, 2019, 18, 65.	4.0	14
58	Cloning of nitrite reductase gene from <i>Haematococcus pluvialis</i> and transcription and enzymatic activity analysis at different nitrate and phosphorus concentration. Gene, 2019, 697, 123-130.	2.2	5
59	Sequence control strategy for hybrid energy storage system for wind smoothing. IET Generation, Transmission and Distribution, 2019, 13, 4482-4490.	2.5	13
60	Paeoniflorin-6-O-benzene sulfonate alleviates collagen-induced arthritis in mice by downregulating BAFF-TRAF2-NF- κ B signaling: comparison with biological agents. Acta Pharmacologica Sinica, 2019, 40, 801-813.	6.1	28
61	PHB3 Maintains Root Stem Cell Niche Identity through ROS-Responsive AP2/ERF Transcription Factors in Arabidopsis. Cell Reports, 2018, 22, 1350-1363.	6.4	128
62	Contamination and health risk assessment of PAHs in farmland soils of the Yinma River Basin, China. Ecotoxicology and Environmental Safety, 2018, 156, 383-390.	6.0	51
63	A randomized phase I study to evaluate the safety, tolerability, pharmacokinetics and food-effect of lgoratimod in healthy adult volunteers. European Journal of Clinical Pharmacology, 2018, 74, 69-77.	1.9	6
64	A New Radiative Transfer Method for Solar Radiation in a Vertically Internally Inhomogeneous Medium. Journals of the Atmospheric Sciences, 2018, 75, 41-55.	1.7	27
65	Cloning of the <i>pks3</i> gene of <i>Aurantiochytrium limacinum</i> and functional study of the 3-ketoacyl-ACP reductase and dehydratase enzyme domains. PLoS ONE, 2018, 13, e0208853.	2.5	10
66	Control Strategy of Hybrid Energy Storage System to Improve AGC Performance of Thermal Generator. , 2018, , .		5
67	CloudNet: Ground-Based Cloud Classification With Deep Convolutional Neural Network. Geophysical Research Letters, 2018, 45, 8665-8672.	4.0	141
68	Accumulation characteristics and potential risk of PAHs in vegetable system grow in home garden under straw burning condition in Jilin, Northeast China. Ecotoxicology and Environmental Safety, 2018, 162, 647-654.	6.0	33
69	Coordinated Optimal Scheduling of Multi-energy Microgrid Considering Uncertainties. , 2018, , .		5
70	Transcriptome Analysis in <i>Haematococcus pluvialis</i> : Astaxanthin Induction by High Light with Acetate and Fe ²⁺ . International Journal of Molecular Sciences, 2018, 19, 175.	4.1	51
71	RNA-seq analysis reveals alternative splicing under salt stress in cotton, <i>Gossypium davidsonii</i> . BMC Genomics, 2018, 19, 73.	2.8	72
72	Ethylene promotes cadmium-induced root growth inhibition through <i>EIN3</i> controlled <i>XTH33</i> and <i>LSU1</i> expression in <i>Arabidopsis</i> . Plant, Cell and Environment, 2018, 41, 2449-2462.	5.7	44

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73	Brassinosteroids regulate root growth by controlling reactive oxygen species homeostasis and dual effect on ethylene synthesis in Arabidopsis. <i>PLoS Genetics</i> , 2018, 14, e1007144.	3.5	152
74	Energy-aware congestion control scheme in opportunistic networks. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2017, 12, 412-419.	1.4	8
75	Production of spore laccase from <i>Bacillus pumilus</i> W3 and its application in dye decolorization after immobilization. <i>Water Science and Technology</i> , 2017, 76, 147-154.	2.5	12
76	Microwave-assisted hydrothermal synthesis of solid-state carbon dots with intensive emission for white light-emitting devices. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8105-8111.	5.5	94
77	G protein coupled receptors signaling pathways implicate in inflammatory and immune response of rheumatoid arthritis. <i>Inflammation Research</i> , 2017, 66, 379-387.	4.0	29
78	Characterization of a neutral recombinant xylanase from <i>Thermoactinospira rubra</i> YIM 77501T. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 429-436.	1.7	8
79	CP-25, a Novel Anti-inflammatory and Immunomodulatory Drug, Inhibits the Functions of Activated Human B Cells through Regulating BAFF and TNF-alpha Signaling and Comparative Efficacy with Biological Agents. <i>Frontiers in Pharmacology</i> , 2017, 8, 933.	3.5	25
80	BAFF upregulates CD28/B7 and CD40/CD154 expression and promotes mouse T and B cell interaction in vitro via BAFF receptor. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 1101-1109.	6.1	17
81	Energy Efficient Forwarding Algorithm in Opportunistic Networks. <i>Chinese Journal of Electronics</i> , 2016, 25, 957-964.	1.5	7
82	Optimal sizing of substation-scale energy storage station considering seasonal variations in wind energy. <i>IET Generation, Transmission and Distribution</i> , 2016, 10, 3241-3250.	2.5	15
83	Design, synthesis and structure-activity relationships of novel 4-phenoxyquinoline derivatives containing 1,2,4-triazolone moiety as c-Met kinase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 431-446.	5.5	38
84	Fluorescent polyvinyl alcohol films based on nitrogen and sulfur co-doped carbon dots towards white light-emitting devices. <i>New Journal of Chemistry</i> , 2016, 40, 8710-8716.	2.8	33
85	Design, synthesis, and structure-activity relationship of novel and effective apixaban derivatives as FXa inhibitors containing 1,2,4-triazole/pyrrole derivatives as P2 binding element. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5646-5661.	3.0	8
86	Genetic regulation of salt stress tolerance revealed by RNA-Seq in cotton diploid wild species, <i>Gossypium davidsonii</i> . <i>Scientific Reports</i> , 2016, 6, 20582.	3.3	109
87	Higher-Load Data Transmitting in Opportunistic Networks Based on Probability Analysis of Communicating Capabilities. , 2016, , .		2
88	Synthesis and anion binding properties of 1,8-disulfonamidocarbazole dipyrromethane Schiff-base macrocycle & its amine analogue. <i>Supramolecular Chemistry</i> , 2016, 28, 305-313.	1.2	7
89	Photoluminescent carbon quantum dots as a directly film-forming phosphor towards white LEDs. <i>Nanoscale</i> , 2016, 8, 8618-8632.	5.6	129
90	Fluorescent probes for highly sensitive detection of Hg ²⁺ and L-cysteine based on nitrogen-doped carbon dots. <i>Talanta</i> , 2016, 152, 288-300.	5.5	156

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91	Fluorescent Carbon Quantum Dots as Single Light Converter for White LEDs. <i>Journal of Electronic Materials</i> , 2016, 45, 2784-2788.	2.2	23
92	sRNA profiling in <i>Aspergillus flavus</i> reveals differentially expressed miRNA-like RNAs response to water activity and temperature. <i>Fungal Genetics and Biology</i> , 2015, 81, 113-119.	2.1	79
93	Regulation of PGE2 signaling pathways and TNF-alpha signaling pathways on the function of bone marrow-derived dendritic cells and the effects of CP-25. <i>European Journal of Pharmacology</i> , 2015, 769, 8-21.	3.5	29
94	Synthesis of Bis(NHC)-Based CNC-Pincer Rare-Earth-Metal Amido Complexes and Their Application for the Hydrophosphination of Heterocumulenes. <i>Organometallics</i> , 2015, 34, 4553-4559.	2.3	47
95	Design of single phase photovoltaic grid-connected inverter based on DSP&ARM. , 2014, , .		2
96	An Integrated Energy-Efficient Operation Methodology for Metro Systems Based on a Real Case of Shanghai Metro Line One. <i>Energies</i> , 2014, 7, 7305-7329.	3.1	46
97	TAA1-Regulated Local Auxin Biosynthesis in the Root-Apex Transition Zone Mediates the Aluminum-Induced Inhibition of Root Growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 2889-2904.	6.6	173
98	Apoptosis of THP-1 Derived Macrophages Induced by Sonodynamic Therapy Using a New Sonosensitizer Hydroxyl Acetylated Curcumin. <i>PLoS ONE</i> , 2014, 9, e93133.	2.5	43
99	Purification and properties of a SDS-resistant xylanase from halophilic <i>Streptomonospora</i> sp. YIM 90494. <i>Cellulose</i> , 2013, 20, 1947-1955.	4.9	10
100	Analysis of P-glycoprotein structure and binding sites. , 2010, , .		0
101	Notice of Retraction: Comparative study on the responses to NaCl stress in the wild and hydroponic <i>Nostoc flagelliforme</i> . , 2010, , .		2
102	Methane in the Changjiang (Yangtze River) Estuary and its adjacent marine area: riverine input, sediment release and atmospheric fluxes. <i>Biogeochemistry</i> , 2008, 91, 71-84.	3.5	89
103	Preparation of thermoresponsive core-shell polymeric microspheres and hollow PNIPAM microgels. <i>Colloid and Polymer Science</i> , 2008, 286, 889-895.	2.1	38
104	Fabrication of One-Dimensional Iron Oxide/Silica Nanostructures with High Magnetic Sensitivity by Dipole-Directed Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15151-15156.	3.1	72
105	Study on the Interaction between the chiral drug of propranolol and Î±1-acid glycoprotein by fluorescence spectrophotometry. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 86, 246-251.	3.8	27
106	Genetic regulation of salt stress tolerance revealed by RNA-Seq in cotton diploid wild species, <i>Gossypium davidsonii</i> . , 0, .		1