

Nan Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

1,869
citations

25
h-index

40
g-index

108
ext. papers

2,496
ext. citations

6.1
avg. IF

5.18
L-index

#	Paper	IF	Citations
96	Effect of electric field on the microstructure and electrical properties of (In + Ta) co-doped TiO ₂ colossal dielectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 6283	2.1	2
95	Spatial Features and Functional Implications of Plant 3D Genome Organization.. <i>Annual Review of Plant Biology</i> , 2022 ,	30.7	1
94	Identification and functional characterization of safflower cysteine protease 1 as negative regulator in response to low-temperature stress in transgenic Arabidopsis.. <i>Planta</i> , 2022 , 255, 106	4.7	1
93	Core Temperature Estimation Method for Lithium-ion Battery Based on Long Short-term Memory Model with Transfer Learning. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	1
92	Effective Segmentation Approach for Solar Photovoltaic Panels in Uneven Illuminated Color Infrared Images. <i>IEEE Journal of Photovoltaics</i> , 2021 , 11, 478-484	3.7	5
91	The dynamics of select cellular responses and cytokine expression profiles in mice infected with juvenile <i>Clonorchis sinensis</i> . <i>Acta Tropica</i> , 2021 , 217, 105852	3.2	3
90	Characterization of a Plant Nuclear Matrix Constituent Protein in Liverwort. <i>Frontiers in Plant Science</i> , 2021 , 12, 670306	6.2	4
89	Trichinella infectivity and antibody response in experimentally infected pigs. <i>Veterinary Parasitology</i> , 2021 , 297, 109111	2.8	6
88	Preparation of dextran-casein phosphopeptide conjugates, evaluation of its calcium binding capacity and digestion in vitro. <i>Food Chemistry</i> , 2021 , 352, 129332	8.5	7
87	Distribution and movement of heavy metals in sediments around the coastal areas under the influence of multiple factors: A case study from the junction of the Bohai Sea and the Yellow Sea. <i>Chemosphere</i> , 2021 , 278, 130352	8.4	9
86	Primary characterization of the immune response in pigs infected with <i>Trichinella spiralis</i> . <i>Veterinary Research</i> , 2020 , 51, 17	3.8	13
85	Chromatin Organization in Early Land Plants Reveals an Ancestral Association between H3K27me ₃ , Transposons, and Constitutive Heterochromatin. <i>Current Biology</i> , 2020 , 30, 573-588.e7	6.3	72
84	The heterologous expression, characterization, and application of a novel laccase from <i>Bacillus velezensis</i> . <i>Science of the Total Environment</i> , 2020 , 713, 136713	10.2	11
83	Gamete binning: chromosome-level and haplotype-resolved genome assembly enabled by high-throughput single-cell sequencing of gamete genomes. <i>Genome Biology</i> , 2020 , 21, 306	18.3	16
82	Integrated metabonomic-proteomic analysis reveals the effect of glucose stress on metabolic adaptation of <i>Lactococcus lactis</i> ssp. <i>lactis</i> CICC23200. <i>Journal of Dairy Science</i> , 2020 , 103, 7834-7850	4	1
81	SET and MYND domain-containing protein 3 inhibits tumor cell sensitivity to cisplatin. <i>Oncology Letters</i> , 2020 , 19, 3469-3476	2.6	3
80	Study of Cell-Type-Specific Chromatin Organization: In Situ Hi-C Library Preparation for Low-Input Plant Materials. <i>Methods in Molecular Biology</i> , 2020 , 2093, 115-127	1.4	2

79	Controlling solid-liquid interfacial energy anisotropy through the isotropic liquid. <i>Nature Communications</i> , 2020 , 11, 724	17.4	12
78	The salt-induced transcription factor GmMYB84 confers salinity tolerance in soybean. <i>Plant Science</i> , 2020 , 291, 110326	5.3	22
77	Electrochemical endotoxin aptasensor based on a metal-organic framework labeled analytical platform. <i>Materials Science and Engineering C</i> , 2020 , 108, 110501	8.3	12
76	A Compact Resonant Switched-Capacitor Heater for Lithium-Ion Battery Self-Heating at Low Temperatures. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 7134-7144	7.2	40
75	Characterization and application of a novel laccase derived from <i>Bacillus amyloliquefaciens</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 982-990	7.9	10
74	HClO/CLO-Indicative Interpenetrating Polymer Network Hydrogels as Intelligent Bioactive Materials for Wound Healing.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 37-44	4.1	7
73	Enhancing the thermostability of phospholipase D from <i>Streptomyces halstedii</i> by directed evolution and elucidating the mechanism of a key amino acid residue using molecular dynamics simulation. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 3065-3074	7.9	3
72	Dental follicle stem cells rescue the regenerative capacity of inflamed rat dental pulp through a paracrine pathway. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 333	8.3	10
71	Marchantia TCP transcription factor activity correlates with three-dimensional chromatin structure. <i>Nature Plants</i> , 2020 , 6, 1250-1261	11.5	25
70	Plant-Inspired Multifunctional Fluorescent Hydrogel: A Highly Stretchable and Recoverable Self-Healing Platform with Water-Controlled Adhesiveness for Highly Effective Antibacterial Application and Data Encryption-Decryption. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 57686-57694	9.5	4
69	Hydrogen Bond between Molybdate and Glucose for the Formation of Carbon-Loaded MoS Nanocomposites with High Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 34430-34440	9.5	12
68	Synthesis of high drug loading, reactive oxygen species and esterase dual-responsive polymeric micelles for drug delivery.. <i>RSC Advances</i> , 2019 , 9, 2371-2378	3.7	12
67	Biodegradability enhancement of hydrolyzed polyacrylamide wastewater by a combined Fenton-SBR treatment process. <i>Bioresource Technology</i> , 2019 , 278, 99-107	11	20
66	A near-infrared water-soluble fluorescent probe for the detection of biothiols in living cells and <i>Escherichia coli</i> . <i>Analytical Methods</i> , 2019 , 11, 821-826	3.2	3
65	A GmSIN1/GmNCED3s/GmRbohBs Feed-Forward Loop Acts as a Signal Amplifier That Regulates Root Growth in Soybean Exposed to Salt Stress. <i>Plant Cell</i> , 2019 , 31, 2107-2130	11.6	36
64	Exploring High-Order Correlations for Industry Anomaly Detection. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 9682-9691	8.9	6
63	Plant lamin-like proteins mediate chromatin tethering at the nuclear periphery. <i>Genome Biology</i> , 2019 , 20, 87	18.3	50
62	Spectroscopic evidence for electrochemical effect of mercury ions on gold nanoparticles. <i>Analytica Chimica Acta</i> , 2019 , 1062, 140-146	6.6	13

61	Hydrothermal synthesis for the enhanced red and green Sr ₃ Y(PO ₄) ₃ :Eu ³⁺ , Tb ³⁺ phosphors. <i>Modern Physics Letters B</i> , 2019 , 33, 1950048	1.6	1
60	Transcriptomic Analysis of the Influence of Methanol Assimilation on the Gene Expression in the Recombinant Producing Hirudin Variant 3. <i>Genes</i> , 2019 , 10,	4.2	3
59	Effects of oxalic acid on Cr(VI) reduction by phenols in ice. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 29780-29788	5.1	4
58	Implications of liquid-liquid phase separation in plant chromatin organization and transcriptional control. <i>Current Opinion in Genetics and Development</i> , 2019 , 55, 59-65	4.9	13
57	Hydrothermal synthesis of spindle-like (SrMoO ₄) ₄ (Ln ³⁺) (Ln = Eu and Tb) microarchitectures for selectively detecting Fe ³⁺ ions. <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	2
56	Feasibility Study of Limited-Angle Reconstruction for in Vivo Optical Projection Tomography Based on Novel Sample Fixation. <i>IEEE Access</i> , 2019 , 7, 87681-87691	3.5	1
55	A Zero-Current-Switching Heater Based on Four-Resonant-State LC Converter for Low-Temperature Lithium-Ion Batteries of Electric Vehicles 2019 ,		1
54	A Multi-Cell-to-Multi-Cell Equalizer for Series-Connected Batteries Based on Flyback Conversion 2019 ,		1
53	Study on the Effect of Different AC Excitations on the Internal Heating for Low-Temperature Batteries 2019 ,		1
52	Acute shock caused by Clonorchis sinensis infection: a case report. <i>BMC Infectious Diseases</i> , 2019 , 19, 1014	4	1
51	Copper ion-assisted gold nanoparticle aggregates for electrochemical signal amplification of lipopolysaccharide sensing. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 529-534	11.8	25
50	Identification of novel DHFR inhibitors for treatment of tuberculosis by combining virtual screening with in vitro activity assay. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 1054-1061	3.6	3
49	Reproduction in woody perennial Citrus: an update on nucellar embryony and self-incompatibility. <i>Plant Reproduction</i> , 2018 , 31, 43-57	3.9	23
48	Voltammetric sensing of dopamine based on a nanoneedle array consisting of NiCoS hollow core-shells on a nickel foam. <i>Mikrochimica Acta</i> , 2018 , 185, 157	5.8	14
47	Copper-based Metal-organic Framework for Non-enzymatic Electrochemical Detection of Glucose. <i>Electroanalysis</i> , 2018 , 30, 474-478	3	49
46	A simple multi-responsive system based on aldehyde functionalized amino-boranes. <i>Chemical Science</i> , 2018 , 9, 1902-1911	9.4	72
45	Roles of intrinsic Mn sites and lattice oxygen in mechanochemical debromination and mineralization of decabromodiphenyl ether with manganese dioxide. <i>Chemosphere</i> , 2018 , 207, 41-49	8.4	18
44	On the risks from sediment and overlying water by replenishing urban landscape ponds with reclaimed wastewater. <i>Environmental Pollution</i> , 2018 , 236, 488-497	9.3	17

43	Detection of Fe(III)EDTA by using photoluminescent carbon dot with the aid of F ion. <i>Food Chemistry</i> , 2018 , 258, 51-58	8.5	12
42	Multicolor barium molybdate phosphors doped with Re ³⁺ (Re = Eu, Sm, Tb, Dy) via solid-state method: Synthesis and characterizations. <i>Modern Physics Letters B</i> , 2018 , 32, 1850270	1.6	5
41	PKM2-dependent metabolic reprogramming in CD4 T cells is crucial for hyperhomocysteinemia-accelerated atherosclerosis. <i>Journal of Molecular Medicine</i> , 2018 , 96, 585-600	5.5	32
40	Preparation of Lanthanide Ions-Doped BiPO ₄ Nanoparticles and Fe Ions Assay. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 4000-4005	1.3	5
39	Preparation of Corn Stalk-walnut Shell Mix-based Activated Carbon and Its Adsorption of Malachite Green. <i>Chemical Research in Chinese Universities</i> , 2018 , 34, 1014-1019	2.2	3
38	Dental Follicle Stem Cells Ameliorate Lipopolysaccharide-Induced Inflammation by Secreting TGF- β and TSP-1 to Elicit Macrophage M2 Polarization. <i>Cellular Physiology and Biochemistry</i> , 2018 , 51, 2290-2308	3.9	34
37	Novel easily available purine-based AIEgens with colour tunability and applications in lipid droplet imaging. <i>Chemical Science</i> , 2018 , 9, 8969-8974	9.4	54
36	Insight into the risk of replenishing urban landscape ponds with reclaimed wastewater. <i>Journal of Hazardous Materials</i> , 2017 , 324, 573-582	12.8	25
35	Ceramic core shifting monitoring through clamping rods optimization for wax pattern of turbine blade. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 91, 2193-2204	3.2	6
34	Nickel-Foam-Supported Co ₃ O ₄ Nanosheets/PPy Nanowire Heterostructure for Non-enzymatic Glucose Sensing. <i>ChemElectroChem</i> , 2017 , 4, 1135-1140	4.3	22
33	Determination of copper ions using a phytic acid/polypyrrole nanowires modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2017 , 76, 139-143	8.3	32
32	Rapid Production of Virus Protein Microarray Using Protein Microarray Fabrication through Gene Synthesis (PAGES). <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 288-299	7.6	8
31	Molecular and biochemical characterization of a novel cold-active and metal ion-tolerant GH10 xylanase from frozen soil. <i>Biotechnology and Biotechnological Equipment</i> , 2017 , 31, 955-963	1.6	9
30	Homocysteine upregulates interleukin-17A expression via NSun2-mediated RNA methylation in T lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 493, 94-99	3.4	27
29	Duplex voltammetric immunoassay for the cancer biomarkers carcinoembryonic antigen and alpha-fetoprotein by using metal-organic framework probes and a glassy carbon electrode modified with thiolated polyaniline nanofibers. <i>Mikrochimica Acta</i> , 2017 , 184, 4037-4045	5.8	22
28	Drought Tolerance Conferred in Soybean (<i>Glycine max. L</i>) by GmMYB84, a Novel R2R3-MYB Transcription Factor. <i>Plant and Cell Physiology</i> , 2017 , 58, 1764-1776	4.9	54
27	Crystal structure of the second fibronectin type III (FN3) domain from human collagen α 1 type XX. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017 , 73, 695-700	1.1	4
26	DFT-based study on the mechanisms of the oxygen reduction reaction on Co(acetylacetonate) ₂ supported by N-doped graphene nanoribbon. <i>RSC Advances</i> , 2016 , 6, 79662-79667	3.7	5

25	New microwave dielectric system of $\text{Li}_4\text{x Mg}_3(1-x)\text{Al}_6(1-x)\text{Ti}_5\text{x O}_{12}$ with adjustable thermal stability and high quality factor. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 2557-2563 ^{2,1}	3
24	Varying the counter ion changes the kinetics, but not the final structure of colloidal gels. <i>Journal of Colloid and Interface Science</i> , 2016 , 463, 137-44	9.3 4
23	Functionalized gold nanoparticles/reduced graphene oxide nanocomposites for ultrasensitive electrochemical sensing of mercury ions based on thymine-mercury-thymine structure. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 320-6	11.8 168
22	Effects of Acute Systemic Hypoxia and Hypercapnia on Brain Damage in a Rat Model of Hypoxia-Ischemia. <i>PLoS ONE</i> , 2016 , 11, e0167359	3.7 15
21	Genome-wide identification of soybean WRKY transcription factors in response to salt stress. <i>SpringerPlus</i> , 2016 , 5, 920	43
20	PMD: A Resource for Archiving and Analyzing Protein Microarray data. <i>Scientific Reports</i> , 2016 , 6, 19956	4.9 9
19	WRKY71 accelerates flowering via the direct activation of FLOWERING LOCUS T and LEAFY in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016 , 85, 96-106	6.9 60
18	Evolutionary and Functional Analysis of Membrane-Bound NAC Transcription Factor Genes in Soybean. <i>Plant Physiology</i> , 2016 , 172, 1804-1820	6.6 26
17	Voltammetric uric acid sensor based on a glassy carbon electrode modified with a nanocomposite consisting of polytetraphenylporphyrin, polypyrrole, and graphene oxide. <i>Mikrochimica Acta</i> , 2016 , 183, 3053-3059	5.8 27
16	Two-dimensional iron tetracyanoquinodimethane ($\text{Fe}^{\text{II}}\text{CNQ}$) monolayer: an efficient electrocatalyst for the oxygen reduction reaction. <i>RSC Advances</i> , 2016 , 6, 72952-72958	3.7 19
15	Research progress on identification of QTLs and functional genes involved in salt tolerance in soybean. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2016 , 38, 992-1003	1.4 1
14	STAT3 Protein Regulates Vascular Smooth Muscle Cell Phenotypic Switch by Interaction with Myocardin. <i>Journal of Biological Chemistry</i> , 2015 , 290, 19641-52	5.4 47
13	An advanced aqueous sodium-ion supercapacitor with a manganous hexacyanoferrate cathode and a $\text{Fe}_3\text{O}_4/\text{rGO}$ anode. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16013-16019	13 107
12	Single-Inductor Dual-Output BuckBoost Power Factor Correction Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 943-952	8.9 55
11	Histone methyltransferase SMYD3 promotes MRTF-A-mediated transactivation of MYL9 and migration of MCF-7 breast cancer cells. <i>Cancer Letters</i> , 2014 , 344, 129-137	9.9 41
10	Multistate electrically controlled photoluminescence switching. <i>Chemical Science</i> , 2013 , 4, 4371	9.4 64
9	Competition growth of β and γ phases in Ti-50 at.%Al peritectic alloy during the rapid solidification by laser melting technique. <i>Acta Metallurgica Sinica (English Letters)</i> , 2013 , 26, 523-532	2.5 4
8	Effect of the inclination angles on thermal energy storage in a quadrantal cavity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 110, 1487-1492	4.1 20

7	Five new 3,4-seco-lanostane-type triterpenoids with antiproliferative activity in human leukemia cells isolated from the roots of <i>Kadsura coccinea</i> . <i>Planta Medica</i> , 2012 , 78, 1661-6	3.1	13
6	Monoclonal antibodies in cancer therapy. <i>Clinical Oncology and Cancer Research</i> , 2011 , 8, 215-219		4
5	Role of microRNAs in cardiac hypertrophy and heart failure. <i>IUBMB Life</i> , 2009 , 61, 566-71	4.7	46
4	Tensile, impact and dielectric properties of three dimensional orthogonal aramid/glass fiber hybrid composites. <i>Journal of Materials Science</i> , 2007 , 42, 6494-6500	4.3	25
3	Nest-site selection of the White Eared pheasant in southwestern Sichuan Province, China. <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , 2006 , 1, 66-70		2
2	New method of kinetic modeling for CO ₂ absorption into blended amine systems: A case of MEA / EAE / 3DEA1P tri-solvent blends. <i>AIChE Journal</i> ,	3.6	2
1	Characterization of Nanocrystalline Surface Layer in Low Carbon Steel Induced by Surface Rapid Multi-Rolling Treatment. <i>Ceramic Engineering and Science Proceedings</i> , 139-145	0.1	