Nan Wang

List of Publications by Year
in descending order

106 papers	3,030 citations	159585 30 h-index	189892 50 g-index
108 all docs	108 docs citations	108 times ranked	4685 citing authors

#	Article	IF	Citations
1	Functionalized gold nanoparticles/reduced graphene oxide nanocomposites for ultrasensitive electrochemical sensing of mercury ions based on thymineâ€"mercuryâ€"thymine structure. Biosensors and Bioelectronics, 2016, 79, 320-326.	10.1	203
2	Chromatin Organization in Early Land Plants Reveals an Ancestral Association between H3K27me3, Transposons, and Constitutive Heterochromatin. Current Biology, 2020, 30, 573-588.e7.	3.9	160
3	Drought Tolerance Conferred in Soybean (Glycine max. L) by GmMYB84, a Novel R2R3-MYB Transcription Factor. Plant and Cell Physiology, 2017, 58, 1764-1776.	3.1	124
4	An advanced aqueous sodium-ion supercapacitor with a manganous hexacyanoferrate cathode and a Fe₃O₄/rGO anode. Journal of Materials Chemistry A, 2015, 3, 16013-16019.	10.3	123
5	<scp>WRKY</scp>71 accelerates flowering via the direct activation of <scp>FLOWERING LOCUS</scp> T and <scp>LEAFY</scp> in Arabidopsis thaliana. Plant Journal, 2016, 85, 96-106.	5.7	113
6	A simple multi-responsive system based on aldehyde functionalized amino-boranes. Chemical Science, 2018, 9, 1902-1911.	7.4	99
7	A GmSIN1/GmNCED3s/GmRbohBs Feed-Forward Loop Acts as a Signal Amplifier That Regulates Root Growth in Soybean Exposed to Salt Stress. Plant Cell, 2019, 31, 2107-2130.	6.6	87
8	Copperâ€based Metalâ€organic Framework for Nonâ€enzymatic Electrochemical Detection of Glucose. Electroanalysis, 2018, 30, 474-478.	2.9	86
9	Single-Inductor Dual-Output Buckâ€"Boost Power Factor Correction Converter. IEEE Transactions on Industrial Electronics, 2015, 62, 943-952.	7.9	82
10	Plant lamin-like proteins mediate chromatin tethering at the nuclear periphery. Genome Biology, 2019, 20, 87.	8.8	79
11	Genome-wide identification of soybean WRKY transcription factors in response to salt stress. SpringerPlus, 2016, 5, 920.	1.2	76
12	Novel easily available purine-based AIEgens with colour tunability and applications in lipid droplet imaging. Chemical Science, 2018, 9, 8969-8974.	7.4	75
13	A Compact Resonant Switched-Capacitor Heater for Lithium-Ion Battery Self-Heating at Low Temperatures. IEEE Transactions on Power Electronics, 2020, 35, 7134-7144.	7.9	68
14	Multistate electrically controlled photoluminescence switching. Chemical Science, 2013, 4, 4371.	7.4	67
15	STAT3 Protein Regulates Vascular Smooth Muscle Cell Phenotypic Switch by Interaction with Myocardin. Journal of Biological Chemistry, 2015, 290, 19641-19652.	3.4	65
16	PKM2-dependent metabolic reprogramming in CD4+ T cells is crucial for hyperhomocysteinemia-accelerated atherosclerosis. Journal of Molecular Medicine, 2018, 96, 585-600.	3.9	56
17	Histone methyltransferase SMYD3 promotes MRTF-A-mediated transactivation of MYL9 and migration of MCF-7 breast cancer cells. Cancer Letters, 2014, 344, 129-137.	7.2	55
18	Dental Follicle Stem Cells Ameliorate Lipopolysaccharide-Induced Inflammation by Secreting TGF-Î²3 and TSP-1 to Elicit Macrophage M2 Polarization. Cellular Physiology and Biochemistry, 2018, 51, 2290-2308.	1.6	52

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19	Role of microRNAs in cardiac hypertrophy and heart failure. IUBMB Life, 2009, 61, 566-571.	3.4	51
20	Evolutionary and Functional Analysis of Membrane-Bound NAC Transcription Factor Genes in Soybean. Plant Physiology, 2016, 172, 1804-1820.	4.8	50
21	Homocysteine upregulates interleukin-17A expression via NSun2-mediated RNA methylation in T lymphocytes. Biochemical and Biophysical Research Communications, 2017, 493, 94-99.	2.1	49
22	Marchantia TCP transcription factor activity correlates with three-dimensional chromatin structure. Nature Plants, 2020, 6, 1250-1261.	9.3	46
23	Copper ion-assisted gold nanoparticle aggregates for electrochemical signal amplification of lipopolysaccharide sensing. Biosensors and Bioelectronics, 2019, 126, 529-534.	10.1	44
24	Gamete binning: chromosome-level and haplotype-resolved genome assembly enabled by high-throughput single-cell sequencing of gamete genomes. Genome Biology, 2020, 21, 306.	8.8	44
25	The salt-induced transcription factor GmMYB84 confers salinity tolerance in soybean. Plant Science, 2020, 291, 110326.	3.6	43
26	Determination of copper ions using a phytic acid/polypyrrole nanowires modified glassy carbon electrode. Materials Science and Engineering C, 2017, 76, 139-143.	7.3	42
27	Insight into the risk of replenishing urban landscape ponds with reclaimed wastewater. Journal of Hazardous Materials, 2017, 324, 573-582.	12.4	39
28	Reproduction in woody perennial Citrus: an update on nucellar embryony and self-incompatibility. Plant Reproduction, 2018, 31, 43-57.	2.2	38
29	Voltammetric uric acid sensor based on a glassy carbon electrode modified with a nanocomposite consisting of polytetraphenylporphyrin, polypyrrole, and graphene oxide. Mikrochimica Acta, 2016, 183, 3053-3059.	5.0	34
30	Biodegradability enhancement of hydrolyzed polyacrylamide wastewater by a combined Fenton-SBR treatment process. Bioresource Technology, 2019, 278, 99-107.	9.6	33
31	Tensile, impact and dielectric properties of three dimensional orthogonal aramid/glass fiber hybrid composites. Journal of Materials Science, 2007, 42, 6494-6500.	3.7	29
32	Nickelâ€Foamâ€Supported Co₃O₄ Nanosheets/PPy Nanowire Heterostructure for Nonâ€enzymatic Glucose Sensing. ChemElectroChem, 2017, 4, 1135-1140.	3.4	28
33	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. Mikrochimica Acta, 2017, 184, 4037-4045.	5.0	28
34	Primary characterization of the immune response in pigs infected with Trichinella spiralis. Veterinary Research, 2020, 51, 17.	3.0	28
35	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. Chemosphere, 2021, 278, 130352.	8.2	28
36	Roles of intrinsic Mn3+ sites and lattice oxygen in mechanochemical debromination and mineralization of decabromodiphenyl ether with manganese dioxide. Chemosphere, 2018, 207, 41-49.	8.2	27

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37	Characterization and application of a novel laccase derived from Bacillus amyloliquefaciens. International Journal of Biological Macromolecules, 2020, 150, 982-990.	7.5	27
38	Controlling solid-liquid interfacial energy anisotropy through the isotropic liquid. Nature Communications, 2020, 11, 724.	12.8	26
39	On the risks from sediment and overlying water by replenishing urban landscape ponds with reclaimed wastewater. Environmental Pollution, 2018, 236, 488-497.	7.5	25
40	Dental follicle stem cells rescue the regenerative capacity of inflamed rat dental pulp through a paracrine pathway. Stem Cell Research and Therapy, 2020, 11, 333.	5.5	25
41	Effect of the inclination angles on thermal energy storage in a quadrantal cavity. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1487-1492.	3.6	23
42	Electrochemical endotoxin aptasensor based on a metal-organic framework labeled analytical platform. Materials Science and Engineering C, 2020, 108, 110501.	7.3	23
43	Two-dimensional ironâ€“tetracyanoquinodimethane (Feâ€“TCNQ) monolayer: an efficient electrocatalyst for the oxygen reduction reaction. RSC Advances, 2016, 6, 72952-72958.	3.6	22
44	The heterologous expression, characterization, and application of a novel laccase from Bacillus velezensis. Science of the Total Environment, 2020, 713, 136713.	8.0	22
45	Effects of Acute Systemic Hypoxia and Hypercapnia on Brain Damage in a Rat Model of Hypoxia-Ischemia. PLoS ONE, 2016, 11, e0167359.	2.5	21
46	Preparation of dextran-casein phosphopeptide conjugates, evaluation of its calcium binding capacity and digestion in vitro. Food Chemistry, 2021, 352, 129332.	8.2	21
47	Implications of liquidâ€“liquid phase separation in plant chromatin organization and transcriptional control. Current Opinion in Genetics and Development, 2019, 55, 59-65.	3.3	20
48	Detection of Fe(III)EDTA by using photoluminescent carbon dot with the aid of F â^' ion. Food Chemistry, 2018, 258, 51-58.	8.2	19
49	Hydrogen Bond between Molybdate and Glucose for the Formation of Carbon-Loaded MoS₂ Nanocomposites with High Electrochemical Performance. ACS Applied Materials & Interfaces, 2019, 11, 34430-34440.	8.0	19
50	Synthesis of high drug loading, reactive oxygen species and esterase dual-responsive polymeric micelles for drug delivery. RSC Advances, 2019, 9, 2371-2378.	3.6	18
51	New method of kinetic modeling for <scp>CO₂</scp> absorption into blended amine systems: A case of <scp>MEA</scp>/<scp>EAE</scp>/<scp>3DEA1P</scp> trisolvent blends. AICHE Journal, 2022, 68, .	3.6	18
52	Spectroscopic evidence for electrochemical effect of mercury ions on gold nanoparticles. Analytica Chimica Acta, 2019, 1062, 140-146.	5.4	16
53	Effect of electric field on the microstructure and electrical properties of (Inâ€‰+â€‰Ta) co-doped TiO2 colossal dielectric ceramics. Journal of Materials Science: Materials in Electronics, 2022, 33, 6283-6293.	2.2	16
54	Voltammetric sensing of dopamine based on a nanoneedle array consisting of NiCo2S4 hollow core-shells on a nickel foam. Mikrochimica Acta, 2018, 185, 157.	5.0	15

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55	Transcriptomic Analysis of the Influence of Methanol Assimilation on the Gene Expression in the Recombinant Pichia pastoris Producing Hirudin Variant 3. Genes, 2019, 10, 606.	2.4	14
56	Enhancing the thermostability of phospholipase D from Streptomyces halstedii by directed evolution and elucidating the mechanism of a key amino acid residue using molecular dynamics simulation. International Journal of Biological Macromolecules, 2020, 164, 3065-3074.	7.5	14
57	Plant-Inspired Multifunctional Fluorescent Hydrogel: A Highly Stretchable and Recoverable Self-Healing Platform with Water-Controlled Adhesiveness for Highly Effective Antibacterial Application and Data Encryptionâ€"Decryption. ACS Applied Materials & Interfaces, 2020, 12, 57686-57694.	8.0	14
58	Trichinella infectivity and antibody response in experimentally infected pigs. Veterinary Parasitology, 2021, 297, 109111.	1.8	14
59	Five New 3,4-Seco-Lanostane-type Triterpenoids with Antiproliferative Activity in Human Leukemia Cells Isolated from the Roots of Kadsura coccinea. Planta Medica, 2012, 78, 1661-1666.	1.3	13
60	Molecular and biochemical characterization of a novel cold-active and metal ion-tolerant GH10 xylanase from frozen soil. Biotechnology and Biotechnological Equipment, 2017, 31, 955-963.	1.3	13
61	HClO/ClO^{â€"}-Indicative Interpenetrating Polymer Network Hydrogels as Intelligent Bioactive Materials for Wound Healing. ACS Applied Bio Materials, 2020, 3, 37-44.	4.6	13
62	Spatial Features and Functional Implications of Plant 3D Genome Organization. Annual Review of Plant Biology, 2022, 73, 173-200.	18.7	13
63	Characterization of a Plant Nuclear Matrix Constituent Protein in Liverwort. Frontiers in Plant Science, 2021, 12, 670306.	3.6	12
64	PMD: A Resource for Archiving and Analyzing Protein Microarray data. Scientific Reports, 2016, 6, 19956.	3.3	11
65	Ceramic core shifting monitoring through clamping rods optimization for wax pattern of turbine blade. International Journal of Advanced Manufacturing Technology, 2017, 91, 2193-2204.	3.0	9
66	Exploring High-Order Correlations for Industry Anomaly Detection. IEEE Transactions on Industrial Electronics, 2019, 66, 9682-9691.	7.9	9
67	Identification and functional characterization of safflower cysteine protease 1 as negative regulator in response to low-temperature stress in transgenic Arabidopsis. Planta, 2022, 255, 106.	3.2	9
68	Rapid Production of Virus Protein Microarray Using Protein Microarray Fabrication through Gene Synthesis (PAGES). Molecular and Cellular Proteomics, 2017, 16, 288-299.	3.8	8
69	Multicolor barium molybdate phosphors doped with Re3+ (Re = Eu, Sm, Tb, Dy) via solid-state method: Synthesis and characterizations. Modern Physics Letters B, 2018, 32, 1850270.	1.9	8
70	The dynamics of select cellular responses and cytokine expression profiles in mice infected with juvenile Clonorchis sinensis. Acta Tropica, 2021, 217, 105852.	2.0	8
71	Integrated metabonomic-proteomic analysis reveals the effect of glucose stress on metabolic adaptation of Lactococcus lactis ssp. lactis CICC23200. Journal of Dairy Science, 2020, 103, 7834-7850.	3.4	8
72	Preparation of Lanthanide Ions-Doped BiPO4 Nanoparticles and Fe3+ Ions Assay. Journal of Nanoscience and Nanotechnology, 2018, 18, 4000-4005.	0.9	7

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73	Effective Segmentation Approach for Solar Photovoltaic Panels in Uneven Illuminated Color Infrared Images. IEEE Journal of Photovoltaics, 2021, 11, 478-484.	2.5	7
74	Varying the counter ion changes the kinetics, but not the final structure of colloidal gels. Journal of Colloid and Interface Science, 2016, 463, 137-144.	9.4	6
75	Preparation of Corn Stalk-walnut Shell Mix-based Activated Carbon and Its Adsorption of Malachite Green. Chemical Research in Chinese Universities, 2018, 34, 1014-1019.	2.6	6
76	A near-infrared water-soluble fluorescent probe for the detection of biothiols in living cells and Escherichia coli. Analytical Methods, 2019, 11, 821-826.	2.7	6
77	Drying kinetics and quality characteristics of daylily dried by mid-infrared. International Journal of Food Engineering, 2021, 17, 969-979.	1.5	6
78	DFT-based study on the mechanisms of the oxygen reduction reaction on Co(acetylacetonate)₂supported by N-doped graphene nanoribbon. RSC Advances, 2016, 6, 79662-79667.	3.6	5
79	Crystal structure of the second fibronectin type III (FN3) domain from human collagen Î±1 type XX. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 695-700.	0.8	5
80	Effects of oxalic acid on Cr(VI) reduction by phenols in ice. Environmental Science and Pollution Research, 2019, 26, 29780-29788.	5.3	5
81	Identification of novel DHFR inhibitors for treatment of tuberculosis by combining virtual screening within vitroactivity assay. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1054-1061.	3.5	5
82	SET and MYND domainâ€'containing protein 3 inhibits tumor cell sensitivity to cisplatin. Oncology Letters, 2020, 19, 3469-3476.	1.8	5
83	Monoclonal antibodies in cancer therapy. Clinical Oncology and Cancer Research, 2011, 8, 215-219.	0.1	4
84	Competition growth of Î± and Î² phases in Ti-50 at.%Al peritectic alloy during the rapid solidification by laser melting technique. Acta Metallurgica Sinica (English Letters), 2013, 26, 523-532.	2.9	4
85	New microwave dielectric system of Li4x Mg3(1â^'x)Al6(1â^'x)Ti5x O12 with adjustable thermal stability and high quality factor. Journal of Materials Science: Materials in Electronics, 2016, 27, 2557-2563.	2.2	4
86	A Multi-Cell-to-Multi-Cell Equalizer for Series-Connected Batteries Based on Flyback Conversion. , 2019, , .		4
87	Study of Cell-Type-Specific Chromatin Organization: In Situ Hi-C Library Preparation for Low-Input Plant Materials. Methods in Molecular Biology, 2020, 2093, 115-127.	0.9	4
88	Quantitative Chemoproteomic Profiling of Targets of Au(I) Complexes by Competitive Activity-Based Protein Profiling. Bioconjugate Chemistry, 2022, 33, 1131-1137.	3.6	4
89	Simulation of PD location in power transformer based on Root Multiple Signal Classification method. , 2009, , .		3
90	Acute shock caused by Clonorchis sinensis infection: a case report. BMC Infectious Diseases, 2019, 19, 1014.	2.9	3

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91	Core Temperature Estimation Method for Lithium-Ion Battery Based on Long Short-Term Memory Model With Transfer Learning. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 201-213.	5.4	3
92	Palladium(II)-Catalyzed C(sp²)â€"H Bond Activation/Câ€"N Bond Cleavage Annulation of N-Methoxy Amides and Arynes. Organic Letters, 2022, 24, 2087-2092.	4.6	3
93	Nest-site selection of the White Eared pheasant in southwestern Sichuan Province, China. Frontiers of Biology in China: Selected Publications From Chinese Universities, 2006, 1, 66-70.	0.2	2
94	Hydrothermal synthesis of spindle-like $${hbox {SrMoO}}_{4}{:}{hbox {Ln}}^{3+}$$ (Ln = Eu and Tb) microarchitectures for selectively detecting $${hbox {Fe}}^{3+}$$ ions. Bulletin of Materials Science, 2019, 42, 1.	1.7	2
95	Feasibility Study of Limited-Angle Reconstruction for in Vivo Optical Projection Tomography Based on Novel Sample Fixation. IEEE Access, 2019, 7, 87681-87691.	4.2	2
96	Study on the Effect of Different AC Excitations on the Internal Heating for Low-Temperature Batteries. , 2019, , .		2
97	Study on the Effect of High Temperature and High-Current Rate on Fast Charging of Lithium-ion Batteries. , 2021, , .		2
98	Research progress on identification of QTLs and functional genes involved in salt tolerance in soybean. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2016, 38, 992-1003.	0.2	2
99	Hydrothermal synthesis for the enhanced red and green Sr3Y(PO4)3:Eu3+, Tb3+ phosphors. Modern Physics Letters B, 2019, 33, 1950048.	1.9	1
100	A Zero-Current-Switching Heater Based on Four-Resonant-State LC Converter for Low-Temperature Lithium-Ion Batteries of Electric Vehicles. , 2019, , .		1
101	Aquaporin-1 Activity of Plasma Membrane Affects MCF-7 Mammary Carcinoma Cell Migration. , 2009, , .		0
102	Cloning, Characterization and Application of the Promoter Region of the Alkaline Protease Gene in Bacillus alcalophillus PB92. , 2009, , .		0
103	MRTF- A Decreases the Anti-Tumor Effect of Tamoxifen on MCF-7 Human Breast Cancer Cells. , 2009, , .		0
104	Research and simulation on minimized common-mode voltage based on SVPWM modulation algorithm. , 2012, , .		0
105	The occurrence of 5-hydroxymethylfurfural, furan and nitrite in commercial soy sauce from the Chinese. AIP Conference Proceedings, 2019, , .	0.4	0
106	Positive-Negative Asymmetry in Self-Related Processing. Journal of Individual Differences, 0, , .	1.0	0