

Nan Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/48696/publications.pdf>

Version: 2024-02-01

106
papers

3,030
citations

159358

30
h-index

189595

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 thymine–mercury–thymine structure. <i>Biosensors and Bioelectronics</i> , 2016, 79, 320-326.	5.3	203
2	Chromatin Organization in Early Land Plants Reveals an Ancestral Association between H3K27me3, Transposons, and Constitutive Heterochromatin. <i>Current Biology</i> , 2020, 30, 573-588.e7.	1.8	160
3	Drought Tolerance Conferred in Soybean (<i>Glycine max.</i> L) by GmMYB84, a Novel R2R3-MYB Transcription Factor. <i>Plant and Cell Physiology</i> , 2017, 58, 1764-1776.	1.5	124
4	An advanced aqueous sodium-ion supercapacitor with a manganous hexacyanoferrate cathode and a Fe ₃ O ₄ /rGO anode. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16013-16019.	5.2	123
5	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.	2.8	113
6	A simple multi-responsive system based on aldehyde functionalized amino-boranes. <i>Chemical Science</i> , 2018, 9, 1902-1911.	3.7	99
7	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.	3.1	87
8	Copper-based Metal-organic Framework for Non-enzymatic Electrochemical Detection of Glucose. <i>Electroanalysis</i> , 2018, 30, 474-478.	1.5	86
9	Single-Inductor Dual-Output Buck–Boost Power Factor Correction Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 943-952.	5.2	82
10	Plant lamin-like proteins mediate chromatin tethering at the nuclear periphery. <i>Genome Biology</i> , 2019, 20, 87.	3.8	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. <i>Chemical Science</i> , 2018, 9, 8969-8974.	3.7	75
13	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.	5.4	68
14	Multistate electrically controlled photoluminescence switching. <i>Chemical Science</i> , 2013, 4, 4371.	3.7	67
15	STAT3 Protein Regulates Vascular Smooth Muscle Cell Phenotypic Switch by Interaction with Myocardin. <i>Journal of Biological Chemistry</i> , 2015, 290, 19641-19652.	1.6	65
16	PKM2-dependent metabolic reprogramming in CD4+ T cells is crucial for hyperhomocysteinemia-accelerated atherosclerosis. <i>Journal of Molecular Medicine</i> , 2018, 96, 585-600.	1.7	56
17	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.	3.2	55
18	Dental Follicle Stem Cells Ameliorate Lipopolysaccharide-Induced Inflammation by Secreting TGF- β 3 and TSP-1 to Elicit Macrophage M2 Polarization. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 2290-2308.	1.1	52

#	ARTICLE	IF	CITATIONS
19	Role of microRNAs in cardiac hypertrophy and heart failure. <i>IUBMB Life</i> , 2009, 61, 566-571.	1.5	51
20	Evolutionary and Functional Analysis of Membrane-Bound NAC Transcription Factor Genes in Soybean. <i>Plant Physiology</i> , 2016, 172, 1804-1820.	2.3	50
21	Homocysteine upregulates interleukin-17A expression via NSun2-mediated RNA methylation in T lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 94-99.	1.0	49
22	Marchantia TCP transcription factor activity correlates with three-dimensional chromatin structure. <i>Nature Plants</i> , 2020, 6, 1250-1261.	4.7	46
23	Copper ion-assisted gold nanoparticle aggregates for electrochemical signal amplification of lipopolysaccharide sensing. <i>Biosensors and Bioelectronics</i> , 2019, 126, 529-534.	5.3	44
24	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.	3.8	44
25	The salt-induced transcription factor GmMYB84 confers salinity tolerance in soybean. <i>Plant Science</i> , 2020, 291, 110326.	1.7	43
26	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.	3.8	42
27	Insight into the risk of replenishing urban landscape ponds with reclaimed wastewater. <i>Journal of Hazardous Materials</i> , 2017, 324, 573-582.	6.5	39
28	Reproduction in woody perennial Citrus: an update on nucellar embryony and self-incompatibility. <i>Plant Reproduction</i> , 2018, 31, 43-57.	1.3	38
29	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.	2.5	34
30	Biodegradability enhancement of hydrolyzed polyacrylamide wastewater by a combined Fenton-SBR treatment process. <i>Bioresource Technology</i> , 2019, 278, 99-107.	4.8	33
31	Tensile, impact and dielectric properties of three dimensional orthogonal aramid/glass fiber hybrid composites. <i>Journal of Materials Science</i> , 2007, 42, 6494-6500.	1.7	29
32	Nickel Foam Supported Co ₃ O ₄ Nanosheets/PPy Nanowire Heterostructure for Non-enzymatic Glucose Sensing. <i>ChemElectroChem</i> , 2017, 4, 1135-1140.	1.7	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. <i>Mikrochimica Acta</i> , 2017, 184, 4037-4045.	2.5	28
34	Primary characterization of the immune response in pigs infected with <i>Trichinella spiralis</i> . <i>Veterinary Research</i> , 2020, 51, 17.	1.1	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. <i>Chemosphere</i> , 2021, 278, 130352.	4.2	28
36	Roles of intrinsic Mn ³⁺ sites and lattice oxygen in mechanochemical debromination and mineralization of decabromodiphenyl ether with manganese dioxide. <i>Chemosphere</i> , 2018, 207, 41-49.	4.2	27

#	ARTICLE	IF	CITATIONS
37	Characterization and application of a novel laccase derived from <i>Bacillus amyloliquefaciens</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 150, 982-990.	3.6	27
38	Controlling solid-liquid interfacial energy anisotropy through the isotropic liquid. <i>Nature Communications</i> , 2020, 11, 724.	5.8	26
39	On the risks from sediment and overlying water by replenishing urban landscape ponds with reclaimed wastewater. <i>Environmental Pollution</i> , 2018, 236, 488-497.	3.7	25
40	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.	2.4	25
41	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.	2.0	23
42	Electrochemical endotoxin aptasensor based on a metal-organic framework labeled analytical platform. <i>Materials Science and Engineering C</i> , 2020, 108, 110501.	3.8	23
43	Two-dimensional iron tetracyanoquinodimethane (FeTCNQ) monolayer: an efficient electrocatalyst for the oxygen reduction reaction. <i>RSC Advances</i> , 2016, 6, 72952-72958.	1.7	22
44	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.	3.9	22
45	Effects of Acute Systemic Hypoxia and Hypercapnia on Brain Damage in a Rat Model of Hypoxia-Ischemia. <i>PLoS ONE</i> , 2016, 11, e0167359.	1.1	21
46	Preparation of dextran-casein phosphopeptide conjugates, evaluation of its calcium binding capacity and digestion in vitro. <i>Food Chemistry</i> , 2021, 352, 129332.	4.2	21
47	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.	1.5	20
48	Detection of Fe(III)EDTA by using photoluminescent carbon dot with the aid of F ⁻ ion. <i>Food Chemistry</i> , 2018, 258, 51-58.	4.2	19
49	Hydrogen Bond between Molybdate and Glucose for the Formation of Carbon-Loaded MoS ₂ Nanocomposites with High Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34430-34440.	4.0	19
50	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.	1.7	18
51	New method of kinetic modeling for CO ₂ absorption into blended amine systems: A case of MEA/EAE/3DEA1P trisolvant blends. <i>AIChE Journal</i> , 2022, 68, .	1.8	18
52	Spectroscopic evidence for electrochemical effect of mercury ions on gold nanoparticles. <i>Analytica Chimica Acta</i> , 2019, 1062, 140-146.	2.6	16
53	Effect of electric field on the microstructure and electrical properties of (In _x Ta _{1-x}) co-doped TiO ₂ colossal dielectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 6283-6293.	1.1	16
54	Voltammetric sensing of dopamine based on a nanoneedle array consisting of NiCo ₂ S ₄ hollow core-shells on a nickel foam. <i>Mikrochimica Acta</i> , 2018, 185, 157.	2.5	15

#	ARTICLE	IF	CITATIONS
55	Transcriptomic Analysis of the Influence of Methanol Assimilation on the Gene Expression in the Recombinant <i>Pichia pastoris</i> Producing Hirudin Variant 3. <i>Genes</i> , 2019, 10, 606.	1.0	14
56	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.	3.6	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 Encryption/Decryption. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57686-57694.	4.0	14
58	<i>Trichinella</i> infectivity and antibody response in experimentally infected pigs. <i>Veterinary Parasitology</i> , 2021, 297, 109111.	0.7	14
59	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, 1661-1666.	0.7	13
60	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.	0.5	13
61	HClO/CLO ⁻ -Indicative Interpenetrating Polymer Network Hydrogels as Intelligent Bioactive Materials for Wound Healing. <i>ACS Applied Bio Materials</i> , 2020, 3, 37-44.	2.3	13
62	Spatial Features and Functional Implications of Plant 3D Genome Organization. <i>Annual Review of Plant Biology</i> , 2022, 73, 173-200.	8.6	13
63	Characterization of a Plant Nuclear Matrix Constituent Protein in Liverwort. <i>Frontiers in Plant Science</i> , 2021, 12, 670306.	1.7	12
64	PMD: A Resource for Archiving and Analyzing Protein Microarray data. <i>Scientific Reports</i> , 2016, 6, 19956.	1.6	11
65	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.	1.5	9
66	Exploring High-Order Correlations for Industry Anomaly Detection. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 9682-9691.	5.2	9
67	Identification and functional characterization of safflower cysteine protease 1 as negative regulator in response to low-temperature stress in transgenic <i>Arabidopsis</i> . <i>Planta</i> , 2022, 255, 106.	1.6	9
68	Rapid Production of Virus Protein Microarray Using Protein Microarray Fabrication through Gene Synthesis (PAGES). <i>Molecular and Cellular Proteomics</i> , 2017, 16, 288-299.	2.5	8
69	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.	1.0	8
70	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.	0.9	8
71	Integrated metabolomic-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.	1.4	8
72	Preparation of Lanthanide Ions-Doped BiPO ₄ Nanoparticles and Fe ³⁺ Ions Assay. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4000-4005.	0.9	7

#	ARTICLE	IF	CITATIONS
73	Effective Segmentation Approach for Solar Photovoltaic Panels in Uneven Illuminated Color Infrared Images. <i>IEEE Journal of Photovoltaics</i> , 2021, 11, 478-484.	1.5	7
74	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, 137-144.	5.0	6
75	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.	1.3	6
76	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.	1.3	6
77	Drying kinetics and quality characteristics of daylily dried by mid-infrared. <i>International Journal of Food Engineering</i> , 2021, 17, 969-979.	0.7	6
78	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.	1.7	5
79	Crystal structure of the second fibronectin type III (FN3) domain from human collagen $\alpha 1$ type XX. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 695-700.	0.4	5
80	Effects of oxalic acid on Cr(VI) reduction by phenols in ice. <i>Environmental Science and Pollution Research</i> , 2019, 26, 29780-29788.	2.7	5
81	Identification of novel DHFR inhibitors for treatment of tuberculosis by combining virtual screening with <i>in vitro</i> activity assay. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1054-1061.	2.0	5
82	SET and MYND domain-containing protein 3 inhibits tumor cell sensitivity to cisplatin. <i>Oncology Letters</i> , 2020, 19, 3469-3476.	0.8	5
83	Monoclonal antibodies in cancer therapy. <i>Clinical Oncology and Cancer Research</i> , 2011, 8, 215-219.	0.1	4
84	Competition growth of β and β' 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.	1.5	4
85	New microwave dielectric system of Li ₄ Mg ₃ (α)Al ₆ (β)Ti ₅ O ₁₂ with adjustable thermal stability and high quality factor. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2557-2563.	1.1	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. <i>Methods in Molecular Biology</i> , 2020, 2093, 115-127.	0.4	4
88	Quantitative Chemoproteomic Profiling of Targets of Au(I) Complexes by Competitive Activity-Based Protein Profiling. <i>Bioconjugate Chemistry</i> , 2022, 33, 1131-1137.	1.8	4
89	Simulation of PD location in power transformer based on Root Multiple Signal Classification method. , 2009, , .		3
90	Acute shock caused by <i>Clonorchis sinensis</i> infection: a case report. <i>BMC Infectious Diseases</i> , 2019, 19, 1014.	1.3	3

#	ARTICLE	IF	CITATIONS
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.	3.7	3
92	Palladium(II)-Catalyzed C(sp ²)-H Bond Activation/C-N Bond Cleavage Annulation of <i>N</i> -Methoxy Amides and Arynes. Organic Letters, 2022, 24, 2087-2092.	2.4	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 SrMoO_4 and Ln^{3+} (Ln = Eu and Tb) microarchitectures for selectively detecting Fe^{3+} ions. Bulletin of Materials Science, 2019, 42, 1.	0.8	2
95	Feasibility Study of Limited-Angle Reconstruction for <i>in Vivo</i> Optical Projection Tomography Based on Novel Sample Fixation. IEEE Access, 2019, 7, 87681-87691.	2.6	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.	0.1	2
99	Hydrothermal synthesis for the enhanced red and green Sr ₃ Y(PO ₄) ₃ :Eu ³⁺ , Tb ³⁺ phosphors. Modern Physics Letters B, 2019, 33, 1950048.	1.0	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 alcalophilus 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, , .	0.3	0
106	Positive-Negative Asymmetry in Self-Related Processing. Journal of Individual Differences, 0, , .	0.5	0