

# Nan Wang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/48696/nan-wang-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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> , <b>2016</b> , 79, 320-6	11.8	168
95	An advanced aqueous sodium-ion supercapacitor with a manganous hexacyanoferrate cathode and a Fe <sub>3</sub> O <sub>4</sub> /rGO anode. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 16013-16019	13	107
94	Chromatin Organization in Early Land Plants Reveals an Ancestral Association between H3K27me <sub>3</sub> , Transposons, and Constitutive Heterochromatin. <i>Current Biology</i> , <b>2020</b> , 30, 573-588.e7	6.3	72
93	A simple multi-responsive system based on aldehyde functionalized amino-boranes. <i>Chemical Science</i> , <b>2018</b> , 9, 1902-1911	9.4	72
92	Multistate electrically controlled photoluminescence switching. <i>Chemical Science</i> , <b>2013</b> , 4, 4371	9.4	64
91	WRKY71 accelerates flowering via the direct activation of FLOWERING LOCUS T and LEAFY in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , <b>2016</b> , 85, 96-106	6.9	60
90	Single-Inductor Dual-Output BuckBoost Power Factor Correction Converter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 943-952	8.9	55
89	Drought Tolerance Conferred in Soybean ( <i>Glycine max. L</i> ) by GmMYB84, a Novel R <sub>2</sub> R <sub>3</sub> -MYB Transcription Factor. <i>Plant and Cell Physiology</i> , <b>2017</b> , 58, 1764-1776	4.9	54
88	Novel easily available purine-based AIEgens with colour tunability and applications in lipid droplet imaging. <i>Chemical Science</i> , <b>2018</b> , 9, 8969-8974	9.4	54
87	Plant lamin-like proteins mediate chromatin tethering at the nuclear periphery. <i>Genome Biology</i> , <b>2019</b> , 20, 87	18.3	50
86	Copper-based Metal-organic Framework for Non-enzymatic Electrochemical Detection of Glucose. <i>Electroanalysis</i> , <b>2018</b> , 30, 474-478	3	49
85	STAT3 Protein Regulates Vascular Smooth Muscle Cell Phenotypic Switch by Interaction with Myocardin. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 19641-52	5.4	47
84	Role of microRNAs in cardiac hypertrophy and heart failure. <i>IUBMB Life</i> , <b>2009</b> , 61, 566-71	4.7	46
83	Genome-wide identification of soybean WRKY transcription factors in response to salt stress. <i>SpringerPlus</i> , <b>2016</b> , 5, 920		43
82	Histone methyltransferase SMYD3 promotes MRTF-A-mediated transactivation of MYL9 and migration of MCF-7 breast cancer cells. <i>Cancer Letters</i> , <b>2014</b> , 344, 129-137	9.9	41
81	A Compact Resonant Switched-Capacitor Heater for Lithium-Ion Battery Self-Heating at Low Temperatures. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 7134-7144	7.2	40
80	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> , <b>2019</b> , 31, 2107-2130	11.6	36

79	Dental Follicle Stem Cells Ameliorate Lipopolysaccharide-Induced Inflammation by Secreting TGF- $\beta$ and TSP-1 to Elicit Macrophage M2 Polarization. <i>Cellular Physiology and Biochemistry</i> , <b>2018</b> , 51, 2290-2308	3.9	34
78	Determination of copper ions using a phytic acid/polypyrrole nanowires modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , <b>2017</b> , 76, 139-143	8.3	32
77	PKM2-dependent metabolic reprogramming in CD4 T cells is crucial for hyperhomocysteinemia-accelerated atherosclerosis. <i>Journal of Molecular Medicine</i> , <b>2018</b> , 96, 585-600	5.5	32
76	Homocysteine upregulates interleukin-17A expression via NSun2-mediated RNA methylation in T lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 493, 94-99	3.4	27
75	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> , <b>2016</b> , 183, 3053-3059	5.8	27
74	Evolutionary and Functional Analysis of Membrane-Bound NAC Transcription Factor Genes in Soybean. <i>Plant Physiology</i> , <b>2016</b> , 172, 1804-1820	6.6	26
73	Insight into the risk of replenishing urban landscape ponds with reclaimed wastewater. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 324, 573-582	12.8	25
72	Tensile, impact and dielectric properties of three dimensional orthogonal aramid/glass fiber hybrid composites. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 6494-6500	4.3	25
71	Marchantia TCP transcription factor activity correlates with three-dimensional chromatin structure. <i>Nature Plants</i> , <b>2020</b> , 6, 1250-1261	11.5	25
70	Copper ion-assisted gold nanoparticle aggregates for electrochemical signal amplification of lipopolysaccharide sensing. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 126, 529-534	11.8	25
69	Reproduction in woody perennial Citrus: an update on nucellar embryony and self-incompatibility. <i>Plant Reproduction</i> , <b>2018</b> , 31, 43-57	3.9	23
68	Nickel-Foam-Supported Co <sub>3</sub> O <sub>4</sub> Nanosheets/PPy Nanowire Heterostructure for Non-enzymatic Glucose Sensing. <i>ChemElectroChem</i> , <b>2017</b> , 4, 1135-1140	4.3	22
67	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> , <b>2017</b> , 184, 4037-4045	5.8	22
66	The salt-induced transcription factor GmMYB84 confers salinity tolerance in soybean. <i>Plant Science</i> , <b>2020</b> , 291, 110326	5.3	22
65	Biodegradability enhancement of hydrolyzed polyacrylamide wastewater by a combined Fenton-SBR treatment process. <i>Bioresource Technology</i> , <b>2019</b> , 278, 99-107	11	20
64	Effect of the inclination angles on thermal energy storage in a quadrantal cavity. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 110, 1487-1492	4.1	20
63	Two-dimensional iron tetracyanoquinodimethane (Fe <sup>II</sup> CNQ) monolayer: an efficient electrocatalyst for the oxygen reduction reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 72952-72958	3.7	19
62	Roles of intrinsic Mn sites and lattice oxygen in mechanochemical debromination and mineralization of decabromodiphenyl ether with manganese dioxide. <i>Chemosphere</i> , <b>2018</b> , 207, 41-49	8.4	18

61	On the risks from sediment and overlying water by replenishing urban landscape ponds with reclaimed wastewater. <i>Environmental Pollution</i> , <b>2018</b> , 236, 488-497	9.3	17
60	Gamete binning: chromosome-level and haplotype-resolved genome assembly enabled by high-throughput single-cell sequencing of gamete genomes. <i>Genome Biology</i> , <b>2020</b> , 21, 306	18.3	16
59	Effects of Acute Systemic Hypoxia and Hypercapnia on Brain Damage in a Rat Model of Hypoxia-Ischemia. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167359	3.7	15
58	Voltammetric sensing of dopamine based on a nanoneedle array consisting of NiCoS hollow core-shells on a nickel foam. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 157	5.8	14
57	Spectroscopic evidence for electrochemical effect of mercury ions on gold nanoparticles. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1062, 140-146	6.6	13
56	Primary characterization of the immune response in pigs infected with <i>Trichinella spiralis</i> . <i>Veterinary Research</i> , <b>2020</b> , 51, 17	3.8	13
55	Implications of liquid-liquid phase separation in plant chromatin organization and transcriptional control. <i>Current Opinion in Genetics and Development</i> , <b>2019</b> , 55, 59-65	4.9	13
54	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> , <b>2012</b> , 78, 1661-6	3.1	13
53	Hydrogen Bond between Molybdate and Glucose for the Formation of Carbon-Loaded MoS Nanocomposites with High Electrochemical Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 34430-34440	9.5	12
52	Synthesis of high drug loading, reactive oxygen species and esterase dual-responsive polymeric micelles for drug delivery.. <i>RSC Advances</i> , <b>2019</b> , 9, 2371-2378	3.7	12
51	Detection of Fe(III)EDTA by using photoluminescent carbon dot with the aid of F ion. <i>Food Chemistry</i> , <b>2018</b> , 258, 51-58	8.5	12
50	Controlling solid-liquid interfacial energy anisotropy through the isotropic liquid. <i>Nature Communications</i> , <b>2020</b> , 11, 724	17.4	12
49	Electrochemical endotoxin aptasensor based on a metal-organic framework labeled analytical platform. <i>Materials Science and Engineering C</i> , <b>2020</b> , 108, 110501	8.3	12
48	The heterologous expression, characterization, and application of a novel laccase from <i>Bacillus velezensis</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 713, 136713	10.2	11
47	Characterization and application of a novel laccase derived from <i>Bacillus amyloliquefaciens</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 150, 982-990	7.9	10
46	Dental follicle stem cells rescue the regenerative capacity of inflamed rat dental pulp through a paracrine pathway. <i>Stem Cell Research and Therapy</i> , <b>2020</b> , 11, 333	8.3	10
45	Molecular and biochemical characterization of a novel cold-active and metal ion-tolerant GH10 xylanase from frozen soil. <i>Biotechnology and Biotechnological Equipment</i> , <b>2017</b> , 31, 955-963	1.6	9
44	PMD: A Resource for Archiving and Analyzing Protein Microarray data. <i>Scientific Reports</i> , <b>2016</b> , 6, 19956	4.9	9

43	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> , <b>2021</b> , 278, 130352	8.4	9
42	Rapid Production of Virus Protein Microarray Using Protein Microarray Fabrication through Gene Synthesis (PAGES). <i>Molecular and Cellular Proteomics</i> , <b>2017</b> , 16, 288-299	7.6	8
41	HClO/CLO-Indicative Interpenetrating Polymer Network Hydrogels as Intelligent Bioactive Materials for Wound Healing.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 37-44	4.1	7
40	Preparation of dextran-casein phosphopeptide conjugates, evaluation of its calcium binding capacity and digestion in vitro. <i>Food Chemistry</i> , <b>2021</b> , 352, 129332	8.5	7
39	Ceramic core shifting monitoring through clamping rods optimization for wax pattern of turbine blade. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 91, 2193-2204	3.2	6
38	Exploring High-Order Correlations for Industry Anomaly Detection. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9682-9691	8.9	6
37	Trichinella infectivity and antibody response in experimentally infected pigs. <i>Veterinary Parasitology</i> , <b>2021</b> , 297, 109111	2.8	6
36	DFT-based study on the mechanisms of the oxygen reduction reaction on Co(acetylacetonate) <sub>2</sub> supported by N-doped graphene nanoribbon. <i>RSC Advances</i> , <b>2016</b> , 6, 79662-79667	3.7	5
35	Multicolor barium molybdate phosphors doped with Re <sup>3+</sup> (Re = Eu, Sm, Tb, Dy) via solid-state method: Synthesis and characterizations. <i>Modern Physics Letters B</i> , <b>2018</b> , 32, 1850270	1.6	5
34	Preparation of Lanthanide Ions-Doped BiPO <sub>4</sub> Nanoparticles and Fe Ions Assay. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 4000-4005	1.3	5
33	Effective Segmentation Approach for Solar Photovoltaic Panels in Uneven Illuminated Color Infrared Images. <i>IEEE Journal of Photovoltaics</i> , <b>2021</b> , 11, 478-484	3.7	5
32	Varying the counter ion changes the kinetics, but not the final structure of colloidal gels. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 463, 137-44	9.3	4
31	Effects of oxalic acid on Cr(VI) reduction by phenols in ice. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 29780-29788	5.1	4
30	Competition growth of $\beta$ and $\beta'$ phases in Ti-50 at.%Al peritectic alloy during the rapid solidification by laser melting technique. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2013</b> , 26, 523-532	2.5	4
29	Crystal structure of the second fibronectin type III (FN3) domain from human collagen $\alpha$ type XX. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2017</b> , 73, 695-700	1.1	4
28	Monoclonal antibodies in cancer therapy. <i>Clinical Oncology and Cancer Research</i> , <b>2011</b> , 8, 215-219		4
27	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 &amp; Interfaces</i> , <b>2020</b> , 12, 57686-57694	9.5	4
26	Characterization of a Plant Nuclear Matrix Constituent Protein in Liverwort. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 670306	6.2	4

25	A near-infrared water-soluble fluorescent probe for the detection of biothiols in living cells and <i>Escherichia coli</i> . <i>Analytical Methods</i> , <b>2019</b> , 11, 821-826	3.2	3
24	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> , <b>2016</b> , 27, 2557-2563 <sup>2-1</sup>		3
23	Transcriptomic Analysis of the Influence of Methanol Assimilation on the Gene Expression in the Recombinant Producing Hirudin Variant 3. <i>Genes</i> , <b>2019</b> , 10,	4.2	3
22	SET and MYND domain-containing protein 3 inhibits tumor cell sensitivity to cisplatin. <i>Oncology Letters</i> , <b>2020</b> , 19, 3469-3476	2.6	3
21	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> , <b>2020</b> , 164, 3065-3074	7.9	3
20	The dynamics of select cellular responses and cytokine expression profiles in mice infected with juvenile <i>Clonorchis sinensis</i> . <i>Acta Tropica</i> , <b>2021</b> , 217, 105852	3.2	3
19	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> , <b>2019</b> , 37, 1054-1061	3.6	3
18	Preparation of Corn Stalk-walnut Shell Mix-based Activated Carbon and Its Adsorption of Malachite Green. <i>Chemical Research in Chinese Universities</i> , <b>2018</b> , 34, 1014-1019	2.2	3
17	Hydrothermal synthesis of spindle-like $(\text{SrMoO}_4)_4(\text{Ln})^{3+}$ ( $\text{Ln} = \text{Eu}$ and $\text{Tb}$ ) microarchitectures for selectively detecting $\text{Fe}^{3+}$ ions. <i>Bulletin of Materials Science</i> , <b>2019</b> , 42, 1	1.7	2
16	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> , <b>2006</b> , 1, 66-70		2
15	New method of kinetic modeling for CO <sub>2</sub> absorption into blended amine systems: A case of MEA / EAE / 3DEA1P tri-solvent blends. <i>AIChE Journal</i> ,	3.6	2
14	Effect of electric field on the microstructure and electrical properties of (In + Ta) co-doped TiO <sub>2</sub> colossal dielectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 6283	2.1	2
13	Study of Cell-Type-Specific Chromatin Organization: In Situ Hi-C Library Preparation for Low-Input Plant Materials. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2093, 115-127	1.4	2
12	Hydrothermal synthesis for the enhanced red and green $\text{Sr}_3\text{Y}(\text{PO}_4)_3:\text{Eu}^{3+}, \text{Tb}^{3+}$ phosphors. <i>Modern Physics Letters B</i> , <b>2019</b> , 33, 1950048	1.6	1
11	Feasibility Study of Limited-Angle Reconstruction for in Vivo Optical Projection Tomography Based on Novel Sample Fixation. <i>IEEE Access</i> , <b>2019</b> , 7, 87681-87691	3.5	1
10	Spatial Features and Functional Implications of Plant 3D Genome Organization.. <i>Annual Review of Plant Biology</i> , <b>2022</b> ,	30.7	1
9	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> , <b>2021</b> , 1-1	5.6	1
8	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> , <b>2020</b> , 103, 7834-7850	4	1

7	A Zero-Current-Switching Heater Based on Four-Resonant-State LC Converter for Low-Temperature Lithium-Ion Batteries of Electric Vehicles <b>2019</b> ,		1
6	A Multi-Cell-to-Multi-Cell Equalizer for Series-Connected Batteries Based on Flyback Conversion <b>2019</b> ,		1
5	Study on the Effect of Different AC Excitations on the Internal Heating for Low-Temperature Batteries <b>2019</b> ,		1
4	Acute shock caused by Clonorchis sinensis infection: a case report. <i>BMC Infectious Diseases</i> , <b>2019</b> , 19, 1014	4	1
3	Identification and functional characterization of safflower cysteine protease 1 as negative regulator in response to low-temperature stress in transgenic Arabidopsis.. <i>Planta</i> , <b>2022</b> , 255, 106	4-7	1
2	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> , <b>2016</b> , 38, 992-1003	1-4	1
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