

Xianlong 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.

65 papers	1,787 citations	16 h-index	41 g-index
73 ext. papers	2,267 ext. citations	5.8 avg, IF	3.84 L-index

#	Paper	IF	Citations
65	Multi-time scale transcriptomic analysis on the dynamic process of tamoxifen resistance development in breast cancer cell lines.. <i>Breast Cancer</i> , 2022 , 1	3.4	
64	Polypeptide coatings on biominerals with superior antimicrobial and antifouling properties inspired by human salivary proteins. <i>Applied Materials Today</i> , 2022 , 27, 101446	6.6	
63	Biomineral interface with superior cell adhesive and antibacterial properties based on enzyme-triggered digestion of saliva acquired pellicle-inspired polypeptide coatings. <i>Chemical Engineering Journal</i> , 2021 , 415, 128955	14.7	7
62	MRI-Based Grading of Clear Cell Renal Cell Carcinoma Using a Machine Learning Classifier. <i>Frontiers in Oncology</i> , 2021 , 11, 708655	5.3	
61	Qualitative transcriptional signature for predicting pathological response of colorectal cancer to FOLFOX therapy. <i>Cancer Science</i> , 2020 , 111, 253-265	6.9	4
60	Transcriptomic analysis on the effects of melatonin in gastrointestinal carcinomas. <i>BMC Gastroenterology</i> , 2020 , 20, 233	3	3
59	A Five-Gene-Pair-Based Prognostic Signature for Predicting the Relapse Risk of Early Stage ER+ Breast Cancer. <i>Frontiers in Genetics</i> , 2020 , 11, 566928	4.5	1
58	The Effects of Age, Cigarette Smoking, Sex, and Race on the Qualitative Characteristics of Lung Transcriptome. <i>BioMed Research International</i> , 2020 , 2020, 6418460	3	0
57	Identification and characterization of genes with absolute mRNA abundances changes in tumor cells with varied transcriptome sizes. <i>BMC Genomics</i> , 2019 , 20, 134	4.5	2
56	Transcriptional signatures for coupled predictions of stage II and III colorectal cancer metastasis and fluorouracil-based adjuvant chemotherapy benefit. <i>FASEB Journal</i> , 2019 , 33, 151-162	0.9	10
55	A Qualitative Transcriptional Signature for Predicting Recurrence Risk of Stage I-III Bladder Cancer Patients After Surgical Resection. <i>Frontiers in Oncology</i> , 2019 , 9, 629	5.3	1
54	Bioinspired from mussel and salivary acquired pellicle: a universal dual-functional polypeptide coating for implant materials. <i>Materials Today Chemistry</i> , 2019 , 14, 100205	6.2	5
53	Link synthetic lethality to drug sensitivity of cancer cells. <i>Briefings in Bioinformatics</i> , 2019 , 20, 1295-1307	13.4	5
52	A rank-based algorithm of differential expression analysis for small cell line data with statistical control. <i>Briefings in Bioinformatics</i> , 2019 , 20, 482-491	13.4	12
51	A qualitative signature for early diagnosis of hepatocellular carcinoma based on relative expression orderings. <i>Liver International</i> , 2018 , 38, 1812-1819	7.9	17
50	A qualitative signature for predicting pathological response to neoadjuvant chemoradiation in locally advanced rectal cancers. <i>Radiotherapy and Oncology</i> , 2018 , 129, 149-153	5.3	12
49	A qualitative transcriptional signature to reclassify estrogen receptor status of breast cancer patients. <i>Breast Cancer Research and Treatment</i> , 2018 , 170, 271-277	4.4	6

48	Identifying differentially expressed genes from cross-site integrated data based on relative expression orderings. <i>International Journal of Biological Sciences</i> , 2018 , 14, 892-900	11.2	9
47	Quantitative or qualitative transcriptional diagnostic signatures? A case study for colorectal cancer. <i>BMC Genomics</i> , 2018 , 19, 99	4.5	22
46	Shared liver-like transcriptional characteristics in liver metastases and corresponding primary colorectal tumors. <i>Journal of Cancer</i> , 2018 , 9, 1500-1505	4.5	1
45	Monitoring a simple hydrolysis process in an organic solid by observing methyl group rotation. <i>Solid State Nuclear Magnetic Resonance</i> , 2017 , 85-86, 1-11	3.1	
44	Supramolecular nanoparticles of calcitonin and dipeptide for long-term controlled release. <i>Journal of Controlled Release</i> , 2017 , 256, 182-192	11.7	22
43	Evaluating hepatocellular carcinoma cell lines for tumour samples using within-sample relative expression orderings of genes. <i>Liver International</i> , 2017 , 37, 1688-1696	7.9	16
42	The stress and strain field distribution around the reinforced particles in Al/TiC composites: A finite element modeling study. <i>Computational Materials Science</i> , 2017 , 137, 297-305	3.2	5
41	Statistically controlled identification of differentially expressed genes in one-to-one cell line comparisons of the CMAP database for drug repositioning. <i>Journal of Translational Medicine</i> , 2017 , 15, 198	8.5	6
40	Robust transcriptional signatures for low-input RNA samples based on relative expression orderings. <i>BMC Genomics</i> , 2017 , 18, 913	4.5	28
39	Prediction of osmotic coefficients for ionic liquids in various solvents with artificial neural network. <i>Journal of the Serbian Chemical Society</i> , 2017 , 82, 399-409	0.9	1
38	BDB: biopanning data bank. <i>Nucleic Acids Research</i> , 2016 , 44, D1127-32	20.1	54
37	Proteogenomics connects somatic mutations to signalling in breast cancer. <i>Nature</i> , 2016 , 534, 55-62	50.4	938
36	Methoxy and Methyl Group Rotation: Solid-State NMR (1) H Spin-Lattice Relaxation, Electronic Structure Calculations, X-ray Diffractometry, and Scanning Electron Microscopy. <i>ChemPhysChem</i> , 2015 , 16, 1509-19	3.2	13
35	Solid state ¹ H spin-lattice relaxation and isolated-molecule and cluster electronic structure calculations in organic molecular solids: the relationship between structure and methyl group and t-butyl group rotation. <i>Journal of Chemical Physics</i> , 2014 , 140, 194304	3.9	7
34	Evaluation of wheat seeds by terahertz imaging 2013 ,		2
33	Application of reduced graphene oxide and carbon nanotube modified electrodes for measuring the enzymatic activity of alcohol dehydrogenase. <i>Food Chemistry</i> , 2013 , 138, 2195-200	8.5	6
32	Interaction study of ciprofloxacin with human telomeric DNA by spectroscopy and molecular docking. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 107, 227-34	4.4	27
31	Distributions of methyl group rotational barriers in polycrystalline organic solids. <i>Journal of Chemical Physics</i> , 2013 , 139, 204501	3.9	12

30	Prediction of electric conductivity for ionic liquids by two chemometrics methods. <i>Journal of the Serbian Chemical Society</i> , 2013 , 78, 653-667	0.9	8
29	Re-annotation of protein-coding genes in the genome of <i>Saccharomyces cerevisiae</i> based on support vector machines. <i>PLoS ONE</i> , 2013 , 8, e64477	3.7	13
28	MimotopDB 2.0: a mimotope database and beyond. <i>Nucleic Acids Research</i> , 2012 , 40, D271-7	20.1	99
27	Nonexponential solid state ¹ H and ¹⁹ F spin-lattice relaxation, single-crystal X-ray diffraction, and isolated-molecule and cluster electronic structure calculations in an organic solid: coupled methyl group rotation and methoxy group libration in 4,4'-dimethoxyoctafluorobiphenyl. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 11946-56	2.8	8
26	Errors in the calculation of (27)Al nuclear magnetic resonance chemical shifts. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 15420-46	6.3	8
25	Spectroscopy and speciation studies on the interactions of aluminum (III) with ciprofloxacin and thiotinamide adenine dinucleotide phosphate in aqueous solutions. <i>Molecules</i> , 2012 , 17, 9379-96	4.8	10
24	Single-crystal X-ray diffraction, isolated-molecule and cluster electronic structure calculations, and scanning electron microscopy in an organic solid: models for intramolecular motion in 4,4'-dimethoxybiphenyl. <i>ChemPhysChem</i> , 2012 , 13, 2082-9	3.2	12
23	Calculations of optical rotation: Influence of molecular structure. <i>Journal of the Serbian Chemical Society</i> , 2012 , 77, 887-898	0.9	1
22	Sibiralactone: A New Monoterpene from <i>Sibiraea angustata</i> . <i>Natural Product Communications</i> , 2011 , 6, 1934578X1100601	0.9	
21	Intramolecular and intermolecular contributions to the barriers for rotation of methyl groups in crystalline solids: electronic structure calculations and solid-state NMR relaxation measurements. <i>Journal of Organic Chemistry</i> , 2011 , 76, 5170-6	4.2	24
20	Effects of buckwheat growth on variation of aluminum and major metals in root-zone soil solutions. <i>Journal of Plant Nutrition and Soil Science</i> , 2010 , 173, 788-794	2.3	5
19	MimotopDB: a new repository for mimotope data derived from phage display technology. <i>Molecules</i> , 2010 , 15, 8279-88	4.8	45
18	An investigation into fragmentation of hEGF in triple quadrupole mass spectrometry and its quantitative application to human plasma. <i>International Journal of Mass Spectrometry</i> , 2010 , 295, 7-12	1.9	4
17	Complexation of Al(III) with reduced glutathione in acidic aqueous solutions. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 657-65	4.2	37
16	The quenching of isopropyl group rotation in van der Waals molecular solids. <i>Journal of Chemical Physics</i> , 2008 , 128, 124502	3.9	13
15	CF ₃ rotation in 3-(trifluoromethyl)phenanthrene. X-ray diffraction and ab initio electronic structure calculations. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 3954-60	2.8	25
14	Surface photochemistry of Rh(CO) ₂ on zeolite Y-production of a stable coordinatively unsaturated rhodium monocarbonyl surface species at room temperature. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 16363-71	3.4	6
13	Multimethod characterization of the interaction of aluminum ion with alpha-ketoglutaric acid in acidic aqueous solutions. <i>Analytical Sciences</i> , 2003 , 19, 273-9	1.7	9

12	Evaluation of aluminum speciation in surface waters in China and its environmental risk assessment. <i>Environmental Geology</i> , 2003 , 45, 65-71		9
11	Multi-NMR and fluorescence spectra study the effects of aluminum(III) on coenzyme NADH in aqueous solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003 , 59, 2561-2564	4.4	11
10	Infrared Spectroscopic Investigation of the Surface Reaction of Phosphorus Trifluoride on γ -Alumina. <i>Langmuir</i> , 2003 , 19, 5295-5302	4	3
9	Application of dopamine as an electroactive ligand for the determination of aluminum in biological fluids. <i>Analytical Sciences</i> , 2002 , 18, 293-9	1.7	9
8	ELECTROCHEMICAL AND SPECTROMETRIC STUDIES ON THE PRINCIPLE OF INDIRECT DETERMINATION OF ALUMINUM USING L-DOPA AS AN ELECTROACTIVE COMPLEXING LIGAND. <i>Analytical Letters</i> , 2002 , 35, 135-152	2.2	10
7	Speciation analysis of aluminium(III) in natural waters and biological fluids by complexing with various catechols followed by differential pulse voltammetry detection. <i>Analyst, The</i> , 2002 , 127, 1657-65	5	26
6	Analytical methodologies for aluminium speciation in environmental and biological samples--a review. <i>Fresenius Journal of Analytical Chemistry</i> , 2001 , 370, 984-96		62
5	Neurotransmitter dopamine applied in electrochemical determination of aluminum in drinking waters and biological samples. <i>Journal of Inorganic Biochemistry</i> , 2001 , 87, 105-13	4.2	24
4	. <i>Electroanalysis</i> , 2001 , 13, 1279-1286	3	8
3	Determination of the speciation of aluminum(III) in natural waters by adsorption stripping voltammetry and complexation with Al(III)-chromochrome violet RS. <i>Analytica Chimica Acta</i> , 2001 , 449, 35-44	6.6	28
2	Speciation of aluminium(III) in natural waters using differential pulse voltammetry with a pyrocatechol violet-modified electrode. <i>Analyst, The</i> , 2001 , 126, 1404-8	5	10
1	Trace analysis of aluminum in natural waters with rubeanic acid by adsorption chronopotentiometry. <i>Talanta</i> , 1999 , 50, 1011-7	6.2	6