

Xianlong Wang

List of Publications by Year in descending order

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71
papers

2,520
citations

394421

19
h-index

214800

47
g-index

73
all docs

73
docs citations

73
times ranked

5372
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteogenomics connects somatic mutations to signalling in breast cancer. <i>Nature</i> , 2016, 534, 55-62.	27.8	1,384
2	MimoDB 2.0: a mimotope database and beyond. <i>Nucleic Acids Research</i> , 2012, 40, D271-D277.	14.5	109
3	Analytical methodologies for aluminium speciation in environmental and biological samples - a review. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 370, 984-996.	1.5	75
4	BDB: biopanning data bank. <i>Nucleic Acids Research</i> , 2016, 44, D1127-D1132.	14.5	71
5	MimoDB: a New Repository for Mimotope Data Derived from Phage Display Technology. <i>Molecules</i> , 2010, 15, 8279-8288.	3.8	47
6	Robust transcriptional signatures for low-input RNA samples based on relative expression orderings. <i>BMC Genomics</i> , 2017, 18, 913.	2.8	45
7	Complexation of Al(III) with reduced glutathione in acidic aqueous solutions. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 657-665.	3.5	43
8	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.	6.4	37
9	Quantitative or qualitative transcriptional diagnostic signatures? A case study for colorectal cancer. <i>BMC Genomics</i> , 2018, 19, 99.	2.8	36
10	Determination of the speciation of aluminum(III) in natural waters by adsorption stripping voltammetry and complexation with Al III "solochrome violet RS. <i>Analytica Chimica Acta</i> , 2001, 449, 35-44.	5.4	34
11	A qualitative signature for early diagnosis of hepatocellular carcinoma based on relative expression orderings. <i>Liver International</i> , 2018, 38, 1812-1819.	3.9	33
12	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, 1657-1665.	3.5	32
13	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, 227-234.	3.9	29
14	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.	0.5	29
15	Neurotransmitter dopamine applied in electrochemical determination of aluminum in drinking waters and biological samples. <i>Journal of Inorganic Biochemistry</i> , 2001, 87, 105-113.	3.5	28
16	CF3 Rotation in 3-(Trifluoromethyl)phenanthrene. X-ray Diffraction and ab Initio Electronic Structure Calculations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3954-3960.	2.5	27
17	Supramolecular nanoparticles of calcitonin and dipeptide for long-term controlled release. <i>Journal of Controlled Release</i> , 2017, 256, 182-192.	9.9	27
18	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, 5170-5176.	3.2	26

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19	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.	6.5	23
20	Evaluating hepatocellular carcinoma cell lines for tumour samples using within-sample relative expression orderings of genes. <i>Liver International</i> , 2017, 37, 1688-1696.	3.9	21
21	A qualitative signature for predicting pathological response to neoadjuvant chemoradiation in locally advanced rectal cancers. <i>Radiotherapy and Oncology</i> , 2018, 129, 149-153.	0.6	20
22	Methoxy and Methyl Group Rotation: Solid-State NMR ¹ H Spin-Lattice Relaxation, Electronic Structure Calculations, X-Ray Diffraction, and Scanning Electron Microscopy. <i>ChemPhysChem</i> , 2015, 16, 1509-1519.	2.1	15
23	Distributions of methyl group rotational barriers in polycrystalline organic solids. <i>Journal of Chemical Physics</i> , 2013, 139, 204501.	3.0	14
24	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.	4.4	14
25	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.	2.5	14
26	Speciation of aluminium(III) in natural waters using differential pulse voltammetry with a Pyrocatechol Violet-modified electrode. <i>Analyst</i> , 2001, 126, 1404-1408.	3.5	13
27	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.	1.8	13
28	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, 2561-2569.	3.9	13
29	The quenching of isopropyl group rotation in van der Waals molecular solids. <i>Journal of Chemical Physics</i> , 2008, 128, 124502.	3.0	13
30	Spectroscopy and Speciation Studies on the Interactions of Aluminum (III) with Ciprofloxacin and ¹² C-Nicotinamide Adenine Dinucleotide Phosphate in Aqueous Solutions. <i>Molecules</i> , 2012, 17, 9379-9396.	3.8	13
31	Link synthetic lethality to drug sensitivity of cancer cells. <i>Briefings in Bioinformatics</i> , 2019, 20, 1295-1307.	6.5	13
32	Aluminum Speciation with Adsorptive Pyrocatechol Violet-Al(III) Complex by Derivative Adsorption Chronopotentiometry. <i>Electroanalysis</i> , 2001, 13, 1279-1286.	2.9	12
33	Application of Dopamine as an Electroactive Ligand for the Determination of Aluminum in Biological Fluids. <i>Analytical Sciences</i> , 2002, 18, 293-299.	1.6	12
34	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, 2082-2089.	2.1	12
35	Bioinspired from mussel and salivary acquired pellicle: a universal dual-functional polypeptide coating for implant materials. <i>Materials Today Chemistry</i> , 2019, 14, 100205.	3.5	12
36	Biomaterial 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.	12.7	12

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37	Evaluation of aluminum speciation in surface waters in China and its environmental risk assessment. <i>Environmental Geology</i> , 2003, 45, 65-71.	1.2	10
38	Multimethod Characterization of the Interaction of Aluminum Ion with .ALPHA.-Ketoglutaric Acid in Acidic Aqueous Solutions.. <i>Analytical Sciences</i> , 2003, 19, 273-279.	1.6	10
39	Nonexponential Solid State ¹ H and ¹⁹ F Spinâ€“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 4,4â€“2-Dimethoxyoctafluorobiphenyl. <i>Journal of Physical Chemistry A</i> . 2012. 116. 11946-11956.	2.5	9
40	Errors in the Calculation of ²⁷ Al Nuclear Magnetic Resonance Chemical Shifts. <i>International Journal of Molecular Sciences</i> , 2012, 13, 15420-15446.	4.1	9
41	Application of reduced graphene oxide and carbon nanotube modified electrodes for measuring the enzymatic activity of alcohol dehydrogenase. <i>Food Chemistry</i> , 2013, 138, 2195-2200.	8.2	8
42	Prediction of electric conductivity for ionic liquids by two chemometrics methods. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 653-667.	0.8	8
43	Solid state 1H 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.	3.0	8
44	A qualitative transcriptional signature to reclassify estrogen receptor status of breast cancer patients. <i>Breast Cancer Research and Treatment</i> , 2018, 170, 271-277.	2.5	8
45	Trace analysis of aluminum in natural waters with rubenic acid by adsorption chronopotentiometry. <i>Talanta</i> , 1999, 50, 1011-1017.	5.5	7
46	Shared liver-like transcriptional characteristics in liver metastases and corresponding primary colorectal tumors. <i>Journal of Cancer</i> , 2018, 9, 1500-1505.	2.5	7
47	Transcriptomic analysis on the effects of melatonin in gastrointestinal carcinomas. <i>BMC Gastroenterology</i> , 2020, 20, 233.	2.0	7
48	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, 16363-16371.	2.6	6
49	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.	1.9	6
50	Qualitative transcriptional signature for predicting pathological response of colorectal cancer to FOLFOX therapy. <i>Cancer Science</i> , 2020, 111, 253-265.	3.9	6
51	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.	3.0	5
52	Infrared Spectroscopic Investigation of the Surface Reaction of Phosphorus Trifluoride on γ -Alumina. <i>Langmuir</i> , 2003, 19, 5295-5302.	3.5	4
53	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.	1.5	4
54	A Qualitative Transcriptional Signature for Predicting Recurrence Risk of Stage Iâ€“III Bladder Cancer Patients After Surgical Resection. <i>Frontiers in Oncology</i> , 2019, 9, 629.	2.8	4

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55	Identification and characterization of genes with absolute mRNA abundances changes in tumor cells with varied transcriptome sizes. BMC Genomics, 2019, 20, 134.	2.8	4
56	Evaluation of wheat seeds by terahertz imaging. , 2013, , .		3
57	Application of individualized differential expression analysis in human cancer proteome. Briefings in Bioinformatics, 2022, 23, .	6.5	3
58	Calculations of optical rotation: Influence of molecular structure. Journal of the Serbian Chemical Society, 2012, 77, 887-898.	0.8	2
59	A Five-Gene-Pair-Based Prognostic Signature for Predicting the Relapse Risk of Early Stage ER+ Breast Cancer. Frontiers in Genetics, 2020, 11, 566928.	2.3	2
60	Multi-time scale transcriptomic analysis on the dynamic process of tamoxifen resistance development in breast cancer cell lines. Breast Cancer, 2022, 29, 458-467.	2.9	2
61	Unusual Intramolecular Motion of ReH ₉ ²⁺ in K ₂ ReH ₉ Crystal: Circle Dance and Three-Arm Turnstile Mechanisms Revealed by Computational Studies. Inorganic Chemistry, 2022, 61, 1041-1050.	4.0	2
62	The Effects of Age, Cigarette Smoking, Sex, and Race on the Qualitative Characteristics of Lung Transcriptome. BioMed Research International, 2020, 2020, 1-7.	1.9	1
63	MRI-Based Grading of Clear Cell Renal Cell Carcinoma Using a Machine Learning Classifier. Frontiers in Oncology, 2021, 11, 708655.	2.8	1
64	Prediction of osmotic coefficients for ionic liquids in various solvents with artificial neural network. Journal of the Serbian Chemical Society, 2017, 82, 399-409.	0.8	1
65	Polypeptide coatings on biominerals with superior antimicrobial and antifouling properties inspired by human salivary proteins. Applied Materials Today, 2022, 27, 101446.	4.3	1
66	Diagnosis and management of pediatric papillary craniopharyngioma. World Neurosurgery, 2022, , .	1.3	1
67	Sibiralactone: A New Monoterpene from <i>Sibiraea angustata</i> . Natural Product Communications, 2011, 6, 1934578X1100601.	0.5	0
68	Study of weak vibrational modes in aromatic compounds using terahertz spectroscopy. , 2013, , .		0
69	Experimental and theoretical studies on THz spectra of phenylthiourea compounds. , 2013, , .		0
70	Monitoring a simple hydrolysis process in an organic solid by observing methyl group rotation. Solid State Nuclear Magnetic Resonance, 2017, 85-86, 1-11.	2.3	0
71	Population Change of Myeloid and Lymphoid Cells Contributes to the Blood-Based Protein Biomarkers. SSRN Electronic Journal, 0, , .	0.4	0