

Nan Wang

List of Publications by Year in descending order

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47
papers

1,708
citations

331259

21
h-index

288905

40
g-index

48
all docs

48
docs citations

48
times ranked

2139
citing authors

#	ARTICLE	IF	CITATIONS
1	Naphthenic acids speciation and removal during petroleum-coke adsorption and ozonation of oil sands process-affected water. <i>Science of the Total Environment</i> , 2011, 409, 5119-5125.	3.9	143
2	Characterization of Human Tear Proteome Using Multiple Proteomic Analysis Techniques. <i>Journal of Proteome Research</i> , 2005, 4, 2052-2061.	1.8	129
3	Toxicity of untreated and ozone-treated oil sands process-affected water (OSPW) to early life stages of the fathead minnow (<i>Pimephales promelas</i>). <i>Water Research</i> , 2012, 46, 6359-6368.	5.3	128
4	Impact of Ozonation on Naphthenic Acids Speciation and Toxicity of Oil Sands Process-Affected Water to <i>Vibrio fischeri</i> and Mammalian Immune System. <i>Environmental Science & Technology</i> , 2013, 47, 6518-6526.	4.6	111
5	Molecular Design of Conjugated Small Molecule Nanoparticles for Synergistically Enhanced PTT/PDT. <i>Nano-Micro Letters</i> , 2020, 12, 147.	14.4	82
6	Effect of Ozonation on the Estrogenicity and Androgenicity of Oil Sands Process-Affected Water. <i>Environmental Science & Technology</i> , 2011, 45, 6268-6274.	4.6	77
7	Development of Mass Spectrometry-Based Shotgun Method for Proteome Analysis of 500 to 5000 Cancer Cells. <i>Analytical Chemistry</i> , 2010, 82, 2262-2271.	3.2	76
8	Exploring the Precursor Ion Exclusion Feature of Liquid Chromatography-Electrospray Ionization Quadrupole Time-of-Flight Mass Spectrometry for Improving Protein Identification in Shotgun Proteome Analysis. <i>Analytical Chemistry</i> , 2008, 80, 4696-4710.	3.2	75
9	Proteome Profile of Cytosolic Component of Zebrafish Liver Generated by LC-ESI MS/MS Combined with Trypsin Digestion and Microwave-Assisted Acid Hydrolysis. <i>Journal of Proteome Research</i> , 2007, 6, 263-272.	1.8	69
10	Transcriptional Responses of the Brain-Gonad-Liver Axis of Fathead Minnows Exposed to Untreated and Ozone-Treated Oil Sands Process-Affected Water. <i>Environmental Science & Technology</i> , 2012, 46, 9701-9708.	4.6	68
11	Development of High-Performance Chemical Isotope Labeling LC-MS for Profiling the Human Fecal Metabolome. <i>Analytical Chemistry</i> , 2015, 87, 829-836.	3.2	66
12	Off-Line Two-Dimensional Liquid Chromatography with Maximized Sample Loading to Reversed-Phase Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry for Shotgun Proteome Analysis. <i>Analytical Chemistry</i> , 2009, 81, 1049-1060.	3.2	54
13	Identification of Arsenic-Binding Proteins in Human Cells by Affinity Chromatography and Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 4144-4152.	3.2	53
14	Radiomics Analysis Based on Multiparametric MRI for Predicting Early Recurrence in Hepatocellular Carcinoma After Partial Hepatectomy. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1066-1079.	1.9	49
15	Large-Scale Proteome Profile of the Zebrafish (<i>Danio rerio</i>) Gill for Physiological and Biomarker Discovery Studies. <i>Zebrafish</i> , 2009, 6, 229-238.	0.5	45
16	Influence of Cholesterol on Catecholamine Release from the Fusion Pore of Large Dense Core Chromaffin Granules. <i>Journal of Neuroscience</i> , 2010, 30, 3904-3911.	1.7	45
17	Comparison of surfactant-assisted shotgun methods using acid-labile surfactants and sodium dodecyl sulfate for membrane proteome analysis. <i>Analytica Chimica Acta</i> , 2011, 698, 36-43.	2.6	41
18	Elevated acetyl-CoA by amino acid recycling fuels microalgal neutral lipid accumulation in exponential growth phase for biofuel production. <i>Plant Biotechnology Journal</i> , 2017, 15, 497-509.	4.1	36

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19	Integrated SDS Removal and Peptide Separation by Strong-Cation Exchange Liquid Chromatography for SDS-Assisted Shotgun Proteome Analysis. <i>Journal of Proteome Research</i> , 2012, 11, 818-828.	1.8	34
20	Reproducible microwave-assisted acid hydrolysis of proteins using a household microwave oven and its combination with LC-ESI MS/MS for mapping protein sequences and modifications. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1573-1587.	1.2	30
21	Dansylation isotope labeling liquid chromatography mass spectrometry for parallel profiling of human urinary and fecal submetabolomes. <i>Analytica Chimica Acta</i> , 2016, 903, 100-109.	2.6	29
22	Metabolomic profile overlap in prototypical autoimmune humoral disease: a comparison of myasthenia gravis and rheumatoid arthritis. <i>Metabolomics</i> , 2020, 16, 10.	1.4	25
23	A Sub-Nanostructural Transformable Nanozyme for Tumor Photocatalytic Therapy. <i>Nano-Micro Letters</i> , 2022, 14, 101.	14.4	24
24	Metabolomic analysis of oxidative stress: Superoxide dismutase mutation and paraquat induced stress in <i>Drosophila melanogaster</i> . <i>Free Radical Biology and Medicine</i> , 2017, 113, 323-334.	1.3	21
25	Cognitive Enhancement in Infants Associated with Increased Maternal Fruit Intake During Pregnancy: Results from a Birth Cohort Study with Validation in an Animal Model. <i>EBioMedicine</i> , 2016, 8, 331-340.	2.7	19
26	Indigenous microbes survive in situ ozonation improving biodegradation of dissolved organic matter in aged oil sands process-affected waters. <i>Chemosphere</i> , 2013, 93, 2748-2755.	4.2	18
27	Chemical Isotope Labeling LC-MS for Monitoring Disease Progression and Treatment in Animal Models: Plasma Metabolomics Study of Osteoarthritis Rat Model. <i>Scientific Reports</i> , 2017, 7, 40543.	1.6	18
28	Influence of Quantal Size and cAMP on the Kinetics of Quantal Catecholamine Release from Rat Chromaffin Cells. <i>Biophysical Journal</i> , 2007, 92, 2735-2746.	0.2	15
29	Dynamic nanoassemblies for imaging and therapy of neurological disorders. <i>Advanced Drug Delivery Reviews</i> , 2021, 175, 113832.	6.6	15
30	Association of vitamin C intake with breast cancer risk and mortality: a meta-analysis of observational studies. <i>Aging</i> , 2020, 12, 18415-18435.	1.4	15
31	Proteome Profile of Human Breast Cancer Tissue Generated by LC-ESI-MS/MS Combined with Sequential Protein Precipitation and Solubilization. <i>Journal of Proteome Research</i> , 2008, 7, 3583-3590.	1.8	13
32	Association Between Antihypertensive Medication Use and Breast Cancer: A Systematic Review and Meta-Analysis. <i>Frontiers in Pharmacology</i> , 2021, 12, 609901.	1.6	12
33	Beyond the antibodies: serum metabolomic profiling of myasthenia gravis. <i>Metabolomics</i> , 2019, 15, 109.	1.4	11
34	Development of microwave-assisted acid hydrolysis of proteins using a commercial microwave reactor and its combination with LC-MS for protein full-sequence analysis. <i>Talanta</i> , 2014, 129, 290-295.	2.9	9
35	Effects of thyroxin and donepezil on hippocampal acetylcholine content and syntaxin-1 and munc-18 expression in adult rats with hypothyroidism. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 529-536.	0.8	7
36	The Impact of GFP Reporter Gene Transduction and Expression on Metabolomics of Placental Mesenchymal Stem Cells Determined by UHPLC-Q/TOF-MS. <i>Stem Cells International</i> , 2017, 2017, 1-12.	1.2	7

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37	Microwave-assisted acid hydrolysis of proteins combined with peptide fractionation and mass spectrometry analysis for characterizing protein terminal sequences. <i>Journal of Proteomics</i> , 2014, 100, 68-78.	1.2	6
38	Efficacy and Safety of Thalidomide for Chemotherapy-induced Nausea and Vomiting. <i>Journal of Cancer</i> , 2020, 11, 4560-4570.	1.2	6
39	In-Gel Microwave-Assisted Acid Hydrolysis of Proteins Combined with Liquid Chromatography Tandem Mass Spectrometry for Mapping Protein Sequences. <i>Analytical Chemistry</i> , 2014, 86, 600-607.	3.2	5
40	First-trimester metabolomic prediction of stillbirth. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 3435-3441.	0.7	5
41	Impact of Target Turnover on the Translation of Drug-Target Residence Time to Time-Dependent Antibacterial Activity. <i>ACS Infectious Diseases</i> , 2021, 7, 2755-2763.	1.8	5
42	Granule matrix property and rapid kiss-and-run exocytosis contribute to the different kinetics of catecholamine release from carotid glomus and adrenal chromaffin cells at matched quantal size. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 791-801.	0.7	4
43	High-Coverage Metabolome Analysis Reveals Significant Diet Effects of Autoclaved and Irradiated Feed on Mouse Fecal and Urine Metabolomics. <i>Molecular Nutrition and Food Research</i> , 2021, 65, 2100110.	1.5	4
44	Physico-Chemical Processes. <i>Water Environment Research</i> , 2009, 81, 1056-1126.	1.3	2
45	Microbore liquid chromatography ultraviolet detection for quantification of total peptide amount and its application for assessing sample quality in shotgun proteome analysis of hundreds of cells. <i>Journal of Chromatography A</i> , 2014, 1338, 51-57.	1.8	1
46	Liquid Chromatography MALDI MS/MS for Membrane Proteome Analysis. <i>Methods in Molecular Biology</i> , 2009, 528, 295-310.	0.4	1
47	Absolute Threshold. , 2008, , 3-3.		0