

Xue Wang

List of Publications by Year in descending order

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56
papers

1,620
citations

394421

19
h-index

315739

38
g-index

59
all docs

59
docs citations

59
times ranked

2470
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal control of gene expression by a light-switchable transgene system. <i>Nature Methods</i> , 2012, 9, 266-269.	19.0	446
2	Metabolic reprogramming of stromal fibroblasts by melanoma exosome microRNA favours a pre-metastatic microenvironment. <i>Scientific Reports</i> , 2018, 8, 12905.	3.3	135
3	IonStar enables high-precision, low-missing-data proteomics quantification in large biological cohorts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4767-E4776.	7.1	76
4	An IonStar Experimental Strategy for MS1 Ion Current-Based Quantification Using Ultrahigh-Field Orbitrap: Reproducible, In-Depth, and Accurate Protein Measurement in Large Cohorts. <i>Journal of Proteome Research</i> , 2017, 16, 2445-2456.	3.7	74
5	Synthesis and Evaluation of Phenylalanine-Modified Hyperbranched Poly(amido amine)s as Promising Gene Carriers. <i>Biomacromolecules</i> , 2010, 11, 245-251.	5.4	65
6	Extracellular 5'-nucleotidase (CD73) promotes human breast cancer cells growth through AKT/GSK-3 β /catenin/cyclinD1 signaling pathway. <i>International Journal of Cancer</i> , 2018, 142, 959-967.	5.1	55
7	A comparative study of evaluating missing value imputation methods in label-free proteomics. <i>Scientific Reports</i> , 2021, 11, 1760.	3.3	53
8	Behavioral, circuitry, and molecular aberrations by region-specific deficiency of the high-risk autism gene Cul3. <i>Molecular Psychiatry</i> , 2021, 26, 1491-1504.	7.9	49
9	Phosphorylation of polysaccharides: A review on the synthesis and bioactivities. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 946-954.	7.5	46
10	MS1 ion current-based quantitative proteomics: A promising solution for reliable analysis of large biological cohorts. <i>Mass Spectrometry Reviews</i> , 2019, 38, 461-482.	5.4	38
11	Surfactant Cocktail-Aided Extraction/Precipitation/On-Pellet Digestion Strategy Enables Efficient and Reproducible Sample Preparation for Large-Scale Quantitative Proteomics. <i>Analytical Chemistry</i> , 2018, 90, 10350-10359.	6.5	37
12	Synthesis of Novel Heterocyclic Ring-Fused 18 α -Glycyrrhetic Acid Derivatives with Antitumor and Antimetastatic Activity. <i>Chemical Biology and Drug Design</i> , 2014, 84, 223-233.	3.2	36
13	Synthesis of heterocycle-modified betulinic acid derivatives as antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 95, 240-248.	5.5	36
14	Δ -Lapachone Induces NAD(P)H:Quinone Oxidoreductase-1- and Oxidative Stress-Dependent Heat Shock Protein 90 Cleavage and Inhibits Tumor Growth and Angiogenesis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 357, 466-475.	2.5	35
15	Dihydromyricetin attenuates D-galactose-induced brain aging of mice via inhibiting oxidative stress and neuroinflammation. <i>Neuroscience Letters</i> , 2021, 756, 135963.	2.1	33
16	Optimization of Search Engines and Postprocessing Approaches to Maximize Peptide and Protein Identification for High-Resolution Mass Data. <i>Journal of Proteome Research</i> , 2015, 14, 4662-4673.	3.7	30
17	Sensitive, High-Throughput, and Robust Trapping-Micro-LC-MS Strategy for the Quantification of Biomarkers and Antibody Biotherapeutics. <i>Analytical Chemistry</i> , 2018, 90, 1870-1880.	6.5	29
18	Selective HDAC inhibitors with potent oral activity against leukemia and colorectal cancer: Design, structure-activity relationship and anti-tumor activity study. <i>European Journal of Medicinal Chemistry</i> , 2017, 134, 185-206.	5.5	28

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19	Neuroprotective effects of a <i>Rhodiola crenulata</i> extract on amyloid- β^2 peptides (A β^{21-42})-induced cognitive deficits in rat models of Alzheimer's disease. <i>Phytomedicine</i> , 2019, 57, 331-338.	5.3	25
20	Mapping dynamic histone modification patterns during arsenic-induced malignant transformation of human bladder cells. <i>Toxicology and Applied Pharmacology</i> , 2018, 355, 164-173.	2.8	18
21	Ecto α 5 β 2 α nucleotidase (CD73) is a potential target of hepatocellular carcinoma. <i>Journal of Cellular Physiology</i> , 2019, 234, 10248-10259.	4.1	17
22	Dietary tea polyphenols change flesh quality with dose-related manner in the GIFT tilapia fed with a high-fat diet. <i>Aquaculture Nutrition</i> , 2021, 27, 519-532.	2.7	17
23	lncRNA APOC1P1-3 promoting anoikis-resistance of breast cancer cells. <i>Cancer Cell International</i> , 2021, 21, 232.	4.1	17
24	Temporal Effects of Combined Birinapant and Paclitaxel on Pancreatic Cancer Cells Investigated via Large-Scale, Ion-Current-Based Quantitative Proteomics (IonStar). <i>Molecular and Cellular Proteomics</i> , 2018, 17, 655-671.	3.8	16
25	Synthesis of difluoroalkylated 2-azaspiro[4.5]decane derivatives via copper-catalyzed difluoroalkylation/dearomatization of <i>N</i> -benzylacrylamides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8376-8380.	2.8	15
26	Ultra-High-Resolution IonStar Strategy Enhancing Accuracy and Precision of MS1-Based Proteomics and an Extensive Comparison with State-of-the-Art SWATH-MS in Large-Cohort Quantification. <i>Analytical Chemistry</i> , 2021, 93, 4884-4893.	6.5	14
27	A metabolomic study based on accurate mass and isotopic fine structures by dual mode combined-FT-ICR-MS to explore the effects of <i>Rhodiola crenulata</i> extract on Alzheimer disease in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 347-356.	2.8	13
28	A solvent-assisted active loading technology to prepare gambogic acid and all-trans retinoic acid co-encapsulated liposomes for synergistic anticancer therapy. <i>Drug Delivery and Translational Research</i> , 2020, 10, 146-158.	5.8	13
29	Irinotecan and berberine co-delivery liposomes showed improved efficacy and reduced intestinal toxicity compared with Onivyde for pancreatic cancer. <i>Drug Delivery and Translational Research</i> , 2021, 11, 2186-2197.	5.8	13
30	Mutant Kras as a Biomarker Plays a Favorable Role in FL118-Induced Apoptosis, Reactive Oxygen Species (ROS) Production and Modulation of Survivin, Mcl-1 and XIAP in Human Bladder Cancer. <i>Cancers</i> , 2020, 12, 3413.	3.7	12
31	Serum lipidomics study reveals protective effects of <i>Rhodiola crenulata</i> extract on Alzheimer's disease rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1158, 122346.	2.3	12
32	Effect of <i>Cyclocarya paliurus</i> on Hypoglycemic Effect in Type 2 Diabetic Mice. <i>Medical Science Monitor</i> , 2019, 25, 2976-2983.	1.1	11
33	Glucose Drives Growth Factor-Independent Esophageal Cancer Proliferation via Phosphohistidine-Focal Adhesion Kinase Signaling. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 8, 37-60.	4.5	10
34	An available strategy for elemental composition determination of organic impurities in commercial preparations based on accurate mass and peak ratio of isotopic fine structures (IFs) by dual mode combined-FT-ICR-MS and fraction collection technology. <i>Analytica Chimica Acta</i> , 2018, 1039, 59-64.	5.4	9
35	PubAngioGen: a database and knowledge for angiogenesis and related diseases. <i>Nucleic Acids Research</i> , 2015, 43, D963-D967.	14.5	8
36	Parkinson-like early autonomic dysfunction induced by vagal application of DOPAL in rats. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 540-551.	3.9	8

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37	High-Throughput, Sensitive LC-MS Quantification of Biotherapeutics and Biomarkers Using Antibody-Free, Peptide-Level, Multiple-Mechanism Enrichment via Strategic Regulation of pH and Ionic and Solvent Strengths. <i>Analytical Chemistry</i> , 2019, 91, 3475-3483.	6.5	7
38	Key considerations for LC-MS analysis of protein biotherapeutics in tissues. <i>Bioanalysis</i> , 2017, 9, 1349-1352.	1.5	6
39	Simultaneous determination of eight flavonoids in <i>Sedum sarmentosum</i> Bunge from different areas by UHPLC with triple quadrupole MS/MS. <i>Biomedical Chromatography</i> , 2019, 33, e4601.	1.7	6
40	Iron-catalyzed Alkene Trifluoromethylation in Tandem with Phenol Dearomatizing Spirocyclization: Regioselective Construction of the Trifluoromethylated Spirocarbocycles. <i>Advanced Synthesis and Catalysis</i> , 0, .	4.3	6
41	Anti-cancer Drug Anlotinib Promotes Autophagy and Apoptosis in Breast Cancer. <i>Frontiers in Bioscience</i> , 2022, 27, 125.	2.1	6
42	How could IonStar challenge the current status quo of quantitative proteomics in large sample cohorts?. <i>Expert Review of Proteomics</i> , 2018, 15, 541-543.	3.0	5
43	Host-guest interaction of nitroxide radicals with water-soluble pillar[6]arenes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2321-2325.	2.8	4
44	Quantitative proteomic and phosphoproteomic profiling of ischemic myocardial stunning in swine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1256-H1271.	3.2	4
45	Diels-Alder adducts of a labdane diterpenoid from the Chinese liverwort <i>Pallavicinia subciliata</i> . <i>Organic Chemistry Frontiers</i> , 2022, 9, 1790-1796.	4.5	4
46	Ca ²⁺ /Calmodulin-Dependent Protein Kinase II Regulation by RIPK3 Alleviates Necroptosis in Transverse Arch Constriction-Induced Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 847362.	2.4	4
47	A feasible strategy based on isotopic fine structures to enhance the reliability of metabolite identification by Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8560.	1.5	3
48	Pharmacodynamic modeling of synergistic birinapant/paclitaxel interactions in pancreatic cancer cells. <i>BMC Cancer</i> , 2020, 20, 1024.	2.6	3
49	Hyperoside alleviated -acetyl-para-amino-phenol-induced acute hepatic injury via Nrf2 activation. <i>International Journal of Clinical and Experimental Pathology</i> , 2019, 12, 64-76.	0.5	3
50	DNMT1-Mediated DNA Methylation Targets CDKN2B to Promote the Repair of Retinal Ganglion Cells in Streptozotocin-Induced Mongolian Gerbils during Diabetic Retinopathy. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-9.	1.3	3
51	Long noncoding RNA <i>ENST00000508435</i> promotes migration of breast cancer via FXR 1. <i>Cell Adhesion and Migration</i> , 2021, 15, 140-151.	2.7	2
52	A simplified strategy for molecular formula determination of chemical constituents in traditional Chinese medicines based on accurate mass, δm_1 and δm_2 isotopic peaks using Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8933.	1.5	1
53	Rapid characterization of the chemical constituents of Duzhong Jiangya tablet by HPLC coupled with Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of Separation Science</i> , 2020, 43, 4434-4460.	2.5	1
54	Peroxisome proliferator-activated receptor gamma is essential for stress adaptation by maintaining lipid homeostasis in female fish. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159162.	2.4	1

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55	The Regulatory Mechanism and Effect of RIPK3 on PE-induced Cardiomyocyte Hypertrophy. Journal of Cardiovascular Pharmacology, 2022, Publish Ahead of Print, .	1.9	1
56	Direct evidence of VEGF-mediated neuroregulation and afferent explanation of blood pressure dysregulation during angiogenic therapy. Frigid Zone Medicine, 2021, 1, 119-126.	0.3	0