Qibin Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5332291/publications.pdf

Version: 2024-02-01

69 papers	2,917 citations	186209 28 h-index	175177 52 g-index
69 all docs	69 docs citations	69 times ranked	4530 citing authors

#	Article	IF	Citations
1	HLA Allele-Specific Quantitative Profiling of Type 1 Diabetic B Lymphocyte Immunopeptidome. Journal of Proteome Research, 2022, 21, 250-264.	1.8	7
2	Pancreatic INS-1 Î²-Cell Response to Thapsigargin and Rotenone: A Comparative Proteomics Analysis Uncovers Key Pathways of Î²-Cell Dysfunction. Chemical Research in Toxicology, 2022, 35, 1080-1094.	1.7	3
3	A UPLC-MRM-MS method for comprehensive profiling of Amadori compound-modified phosphatidylethanolamines in human plasma. Analytical and Bioanalytical Chemistry, 2021, 413, 431-443.	1.9	5
4	Quantification of Plasma Oxylipins Using Solid-Phase Extraction and Reversed-Phase Liquid Chromatography-Triple Quadrupole Mass Spectrometry. Methods in Molecular Biology, 2021, 2306, 171-186.	0.4	1
5	Ganglioside isomer analysis using ion polarity switching liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2021, 413, 3269-3279.	1.9	8
6	Activation of PPARÎ±-catalase pathway reverses alcoholic liver injury via upregulating NAD synthesis and accelerating alcohol clearance. Free Radical Biology and Medicine, 2021, 174, 249-263.	1.3	17
7	Comprehensive Quantification of Carboxymethyllysine-Modified Peptides in Human Plasma. Journal of the American Society for Mass Spectrometry, 2021, 32, 744-752.	1.2	3
8	Glycated Plasma Proteins as More Sensitive Markers for Glycemic Control in Type 1 Diabetes. Proteomics - Clinical Applications, 2020, 14, 1900104.	0.8	13
9	Pancreatic Tissue Proteomics Unveils Key Proteins, Pathways, and Networks Associated with Type 1 Diabetes. Proteomics - Clinical Applications, 2020, 14, e2000053.	0.8	8
10	Blueberry and/or Banana Consumption Mitigate Arachidonic, Cytochrome P450 Oxylipin Generation During Recovery From 75-Km Cycling: A Randomized Trial. Frontiers in Nutrition, 2020, 7, 121.	1.6	25
11	Human GDPD3 overexpression promotes liver steatosis by increasing lysophosphatidic acid production and fatty acid uptake. Journal of Lipid Research, 2020, 61, 1075-1086.	2.0	13
12	Simultaneous quantification of free fatty acids and acylcarnitines in plasma samples using dansylhydrazine labeling and liquid chromatographyâ€“triple quadrupole mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 2841-2849.	1.9	14
13	Recent advances in the mass spectrometric analysis of glycosphingolipidome â€“ A review. Analytica Chimica Acta, 2020, 1132, 134-155.	2.6	21
14	Gangliosides are essential endosomal receptors for quasi-enveloped and naked hepatitis A virus. Nature Microbiology, 2020, 5, 1069-1078.	5.9	45
15	Differential Isotope Labeling by Permethylation and Reversed-Phase Liquid Chromatographyâ€“Mass Spectrometry for Relative Quantification of Intact Neutral Glycolipids in Mammalian Cells. Analytical Chemistry, 2019, 91, 9673-9681.	3.2	8
16	Fragmentation Behavior and Gas-Phase Structures of Cationized Glycosphingolipids in Ozone-Induced Dissociation Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 1609-1620.	1.2	7
17	Accurate mass and retention time library of serum lipids for type 1 diabetes research. Analytical and Bioanalytical Chemistry, 2019, 411, 5937-5949.	1.9	18
18	Comprehensive Identification of Amadori Compound-Modified Phosphatidylethanolamines in Human Plasma. Chemical Research in Toxicology, 2019, 32, 1449-1457.	1.7	3

#	Article	IF	Citations
19	Carbohydrate intake attenuates post-exercise plasma levels of cytochrome P450-generated oxylipins. PLoS ONE, 2019, 14, e0213676.	1.1	31
20	Orthogonal Method for Double-Bond Placement via Ozone-Induced Dissociation Mass Spectrometry (OzID-MS). Journal of Natural Products, 2019, 82, 3421-3431.	1.5	10
21	Comprehensive analysis of oxylipins in human plasma using reversed-phase liquid chromatography-triple quadrupole mass spectrometry with heatmap-assisted selection of transitions. Analytical and Bioanalytical Chemistry, 2019, 411, 367-385.	1.9	28
22	Label-Free LC-MS/MS Strategy for Comprehensive Proteomic Profiling of Human Islets Collected Using Laser Capture Microdissection from Frozen Pancreata. Methods in Molecular Biology, 2019, 1871, 253-264.	0.4	3
23	Simultaneous determination of tryptophan and its 31 catabolites in mouse tissues by polarity switching UHPLC-SRM-MS. Analytica Chimica Acta, 2018, 1037, 200-210.	2.6	27
24	Isobaric Labeling of Intact Gangliosides toward Multiplexed LCâ€“MS/MS-Based Quantitative Analysis. Analytical Chemistry, 2018, 90, 2578-2586.	3.2	21
25	Online 2D-LC-MS/MS Platform for Analysis of Glycated Proteome. Analytical Chemistry, 2018, 90, 1081-1086.	3.2	28
26	Temporal expression profiling of plasma proteins reveals oxidative stress in early stages of Type 1 Diabetes progression. Journal of Proteomics, 2018, 172, 100-110.	1.2	36
27	Synthesis, Purification, and Mass Spectrometric Characterization of Stable Isotope-Labeled Amadori-Glycated Phospholipids. ACS Omega, 2018, 3, 15725-15733.	1.6	5
28	Temporal profiles of plasma proteome during childhood development. Journal of Proteomics, 2017, 152, 321-328.	1.2	20
29	Ozoneâ€induced dissociation on a traveling wave highâ€resolution mass spectrometer for determination of doubleâ€bond position in lipids. Rapid Communications in Mass Spectrometry, 2017, 31, 1415-1423.	0.7	38
30	Off-line mixed-mode liquid chromatography coupled with reversed phase high performance liquid chromatography-high resolution mass spectrometry to improve coverage in lipidomics analysis. Analytica Chimica Acta, 2017, 954, 140-150.	2.6	39
31	Bayesian Posterior Integration for Classification of Mass Spectrometry Data. , 2017, , 203-211.		1
32	Isobaric Labeling-Based LC-MS/MS Strategy for Comprehensive Profiling of Human Pancreatic Tissue Proteome. Methods in Molecular Biology, 2017, 1788, 215-224.	0.4	10
33	Proteomic profiling of human islets collected from frozen pancreata using laser capture microdissection. Journal of Proteomics, 2017, 150, 149-159.	1.2	18
34	Structural Analysis of Unsaturated Glycosphingolipids Using Shotgun Ozone-Induced Dissociation Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2017, 28, 2330-2343.	1.2	29
35	ROFI - The Use of Repeated Optimization for Feature Interpretation. , 2016, , .		3
36	Type 1 diabetes cadaveric human pancreata exhibit a unique exocrine tissue proteomic profile. Proteomics, 2016, 16, 1432-1446.	1.3	21

#	Article	IF	Citations
37	Comprehensive untargeted lipidomic analysis using coreâ€“shell C30 particle column and high field orbitrap mass spectrometer. Journal of Chromatography A, 2016, 1440, 123-134.	1.8	117
38	Serum Proteome Profiles in Stricturing CrohnÊ¼s Disease. Inflammatory Bowel Diseases, 2015, 21, 1935-1941.	0.9	28
39	High and Low Doses of Ionizing Radiation Induce Different Secretome Profiles in a Human Skin Model. PLoS ONE, 2014, 9, e92332.	1.1	13
40	A comprehensive collection of systems biology data characterizing the host response to viral infection. Scientific Data, 2014, 1, 140033.	2.4	62
41	LipidMiner: a software for automated identification and quantification of lipids from multiple liquid chromatography/mass spectrometry data files. Rapid Communications in Mass Spectrometry, 2014, 28, 981-985.	0.7	6
42	A statistical analysis of the effects of urease pre-treatment on the measurement of the urinary metabolome by gas chromatographyâ€“mass spectrometry. Metabolomics, 2014, 10, 897-908.	1.4	28
43	Structural analysis of N- and O-glycans using ZIC-HILIC/dialysis coupled to NMR detection. Fungal Genetics and Biology, 2014, 72, 207-215.	0.9	7
44	Characterization of intact N- and O-linked glycopeptides using higher energy collisional dissociation. Analytical Biochemistry, 2014, 452, 96-102.	1.1	56
45	Serum proteomics reveals systemic dysregulation of innate immunity in type 1 diabetes. Journal of Experimental Medicine, 2013, 210, 191-203.	4.2	91
46	Metabolomic response of human skin tissue to low dose ionizing radiation. Molecular BioSystems, 2012, 8, 1979.	2.9	31
47	A reversed-phase capillary ultra-performance liquid chromatographyâ€“mass spectrometry (UPLC-MS) method for comprehensive top-down/bottom-up lipid profiling. Analytical and Bioanalytical Chemistry, 2012, 402, 2923-2933.	1.9	86
48	Comprehensive Identification of Glycated Peptides and Their Glycation Motifs in Plasma and Erythrocytes of Control and Diabetic Subjects. Journal of Proteome Research, 2011, 10, 3076-3088.	1.8	92
49	Formation of dehydroalanine from mimosine and cysteine: artifacts in gas chromatography/mass spectrometry based metabolomics. Rapid Communications in Mass Spectrometry, 2011, 25, 2561-2564.	0.7	14
50	Development of a fibrinogen-specific sandwich enzyme-linked immunosorbent assay microarray assay for distinguishing between blood plasma and serum samples. Analytical Biochemistry, 2011, 414, 99-102.	1.1	4
51	Perturbations in the lipid profile of individuals with newly diagnosed type 1 diabetes mellitus: Lipidomics analysis of a Diabetes Antibody Standardization Program sample subset. Clinical Biochemistry, 2010, 43, 948-956.	0.8	38
52	Temporal Proteome and Lipidome Profiles Reveal Hepatitis C Virus-Associated Reprogramming of Hepatocellular Metabolism and Bioenergetics. PLoS Pathogens, 2010, 6, e1000719.	2.1	361
53	Application of High-Resolution¹H MAS NMR Spectroscopy to the Analysis of Intact Bones from Mice Exposed to Gamma Radiation. Radiation Research, 2009, 172, 607-616.	0.7	14
54	Combined Pulsed-Q Dissociation and Electron Transfer Dissociation for Identification and Quantification of iTRAQ-Labeled Phosphopeptides. Analytical Chemistry, 2009, 81, 4137-4143.	3.2	30

#	Article	IF	Citations
55	A Perspective on the Maillard Reaction and the Analysis of Protein Glycation by Mass Spectrometry: Probing the Pathogenesis of Chronic Disease. Journal of Proteome Research, 2009, 8, 754-769.	1.8	319
56	Analysis of nonâ€enzymatically glycated peptides: neutralâ€lossâ€triggered MS³ versus multiâ€stage activation tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 3027-3034.	0.7	35
57	Improved Methods for the Enrichment and Analysis of Glycated Peptides. Analytical Chemistry, 2008, 80, 9822-9829.	3.2	65
58	Proteomic Profiling of Nonenzymatically Glycated Proteins in Human Plasma and Erythrocyte Membranes. Journal of Proteome Research, 2008, 7, 2025-2032.	1.8	103
59	Capillary LC Coupled with High-Mass Measurement Accuracy Mass Spectrometry for Metabolic Profiling. Analytical Chemistry, 2007, 79, 6081-6093.	3.2	47
60	A Method for Selective Enrichment and Analysis of Nitrotyrosine-Containing Peptides in Complex Proteome Samples. Journal of Proteome Research, 2007, 6, 2257-2268.	1.8	88
61	Enrichment and Analysis of Nonenzymatically Glycated Peptides:Â Boronate Affinity Chromatography Coupled with Electron-Transfer Dissociation Mass Spectrometry. Journal of Proteome Research, 2007, 6, 2323-2330.	1.8	147
62	Application of electron transfer dissociation mass spectrometry in analyses of non-enzymatically glycated peptides. Rapid Communications in Mass Spectrometry, 2007, 21, 661-666.	0.7	78
63	Future of liquid chromatographyâ€“mass spectrometry in metabolic profiling and metabolomic studies for biomarker discovery. Biomarkers in Medicine, 2007, 1, 159-185.	0.6	78
64	Recognition and Incision of Oxidative Intrastrand Cross-Link Lesions by UvrABC Nuclease. Biochemistry, 2006, 45, 10739-10746.	1.2	44
65	Generation of 5-(2'-deoxycytidyl)methyl radical and the formation of intrastrand cross-link lesions in oligodeoxyribonucleotides. Nucleic Acids Research, 2005, 33, 1593-1603.	6.5	62
66	The Reactivity of the 5-Hydroxy-5,6-dihydrothymidin-6-yl Radical in Oligodeoxyribonucleotides. Chemical Research in Toxicology, 2005, 18, 1897-1906.	1.7	22
67	Fragmentation of protonated ions of peptides containing cysteine, cysteine sulfinic acid, and cysteine sulfonic acid. Journal of the American Society for Mass Spectrometry, 2004, 15, 697-702.	1.2	48
68	Independent Generation of the 5-Hydroxy-5,6-dihydrothymidin-6-yl Radical and Its Reactivity in Dinucleoside Monophosphates. Journal of the American Chemical Society, 2004, 126, 13287-13297.	6.6	45
69	Independent Generation of 5-(2â€˜-Deoxycytidinyl)methyl Radical and the Formation of a Novel Cross-Link Lesion between 5-Methylcytosine and Guanine. Journal of the American Chemical Society, 2003, 125, 12795-12802.	6.6	71