

Jun Han

List of Publications by Year in descending order

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71
papers

3,956
citations

126907

33
h-index

128289

60
g-index

73
all docs

73
docs citations

73
times ranked

6505
citing authors

#	ARTICLE	IF	CITATIONS
1	Intestinal Deletion of 3-Hydroxy-3-Methylglutaryl-Coenzyme A Reductase Promotes Expansion of the Resident Stem Cell Compartment. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 381-394.	2.4	1
2	Circulating Isovalerylcarnitine and Lung Cancer Risk: Evidence from Mendelian Randomization and Prediagnostic Blood Measurements. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022, 31, 1966-1974.	2.5	4
3	NTCP Deficiency Causes Gallbladder Abnormalities in Mice and Human Beings. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 831-839.	4.5	7
4	Acceleration of age-induced proteolysis in the guinea pig lens nucleus by in vivo exposure to hyperbaric oxygen: A mass spectrometry analysis. <i>Experimental Eye Research</i> , 2021, 210, 108697.	2.6	5
5	Depletion of essential isoprenoids and ER stress induction following acute liver-specific deletion of HMG-CoA reductase. <i>Journal of Lipid Research</i> , 2020, 61, 1675-1686.	4.2	12
6	Supermolecule-assisted imaging of low-molecular-weight quaternary-ammonium compounds by MALDI-MS of their non-covalent complexes with cucurbit[7]uril. <i>RSC Advances</i> , 2020, 10, 34261-34265.	3.6	2
7	Changes in plasma bile acid profiles after partial internal biliary diversion in PFIC2 patients. <i>Annals of Translational Medicine</i> , 2020, 8, 185-185.	1.7	5
8	Intense Light-Mediated Circadian Cardioprotection via Transcriptional Reprogramming of the Endothelium. <i>Cell Reports</i> , 2019, 28, 1471-1484.e11.	6.4	35
9	The Gut Microbiome and Metabolome of Two Riparian Communities in the Amazon. <i>Frontiers in Microbiology</i> , 2019, 10, 2003.	3.5	10
10	Increased sulfation of bile acids in mice and human subjects with sodium taurocholate cotransporting polypeptide deficiency. <i>Journal of Biological Chemistry</i> , 2019, 294, 11853-11862.	3.4	22
11	Hydrophilic bile acids prevent liver damage caused by lack of biliary phospholipid in Mdr2 mice. <i>Journal of Lipid Research</i> , 2019, 60, 85-97.	4.2	28
12	Metabolomic insights into the effects of thyroid hormone on <i>Rana [Lithobates] catesbeiana</i> metamorphosis using whole-body Matrix Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging (MALDI-MSI). <i>General and Comparative Endocrinology</i> , 2018, 265, 237-245.	1.8	12
13	Comprehensive bile acid profiling in hereditary intrahepatic cholestasis: Genetic and clinical correlations. <i>Liver International</i> , 2018, 38, 1676-1685.	3.9	14
14	Isotope-labeling derivatization with 3-nitrophenylhydrazine for LC/multiple-reaction monitoring-mass-spectrometry-based quantitation of carnitines in dried blood spots. <i>Analytica Chimica Acta</i> , 2018, 1037, 177-187.	5.4	29
15	Metabolomic profiling of prostate cancer by matrix assisted laser desorption/ionization-Fourier transform ion cyclotron resonance mass spectrometry imaging using Matrix Coating Assisted by an Electric Field (MCAEF). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 755-767.	2.3	35
16	Defects in myosin VB are associated with a spectrum of previously undiagnosed low Î²â€glutamyltransferase cholestasis. <i>Hepatology</i> , 2017, 65, 1655-1669.	7.3	107
17	Repression of Salmonella Host Cell Invasion by Aromatic Small Molecules from the Human Fecal Metabolome. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	31
18	Recent advancements in matrix-assisted laser desorption/ionization mass spectrometry imaging. <i>Current Opinion in Biotechnology</i> , 2017, 43, 62-69.	6.6	107

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19	Profiling of dissolved organic compounds in the oil sands region using complimentary liquidâ€“liquid extraction and ultrahigh resolution Fourier transform mass spectrometry. Environmental Earth Sciences, 2017, 76, 1.	2.7	6
20	Quantitation of low molecular weight sugars by chemical derivatizationâ€“liquid chromatography/multiple reaction monitoring/mass spectrometry. Electrophoresis, 2016, 37, 1851-1860.	2.4	25
21	Molecular profiling of naphthenic acids in technical mixtures and oil sands processâ€“affected water using polar reversedâ€“phase liquid chromatographyâ€“mass spectrometry. Electrophoresis, 2016, 37, 3089-3100.	2.4	4
22	The use of matrix coating assisted by an electric field (MCAEF) to enhance mass spectrometric imaging of human prostate cancer biomarkers. Journal of Mass Spectrometry, 2016, 51, 86-95.	1.6	19
23	Cardiac Ryanodine Receptor (Ryr2)-mediated Calcium Signals Specifically Promote Glucose Oxidation via Pyruvate Dehydrogenase. Journal of Biological Chemistry, 2016, 291, 23490-23505.	3.4	23
24	Diet and specific microbial exposure trigger features of environmental enteropathy in a novel murine model. Nature Communications, 2015, 6, 7806.	12.8	172
25	Matrix coating assisted by an electric field (MCAEF) for enhanced tissue imaging by MALDI-MS. Chemical Science, 2015, 6, 729-738.	7.4	36
26	Metabolic Profiling of Bile Acids in Human and Mouse Blood by LCâ€“MS/MS in Combination with Phospholipid-Depletion Solid-Phase Extraction. Analytical Chemistry, 2015, 87, 1127-1136.	6.5	134
27	An isotope-labeled chemical derivatization method for the quantitation of short-chain fatty acids in human feces by liquid chromatographyâ€“tandem mass spectrometry. Analytica Chimica Acta, 2015, 854, 86-94.	5.4	380
28	<sc><i>Mycobacterium leprae</i></sc> intracellular survival relies on cholesterol accumulation in infected macrophages: a potential target for new drugs for leprosy treatment. Cellular Microbiology, 2014, 16, 797-815.	2.1	83
29	Metabolomic insights into system-wide coordination of vertebrate metamorphosis. BMC Developmental Biology, 2014, 14, 5.	2.1	32
30	Comprehensive Imaging of Porcine Adrenal Gland Lipids by MALDI-FTMS Using Quercetin as a Matrix. Analytical Chemistry, 2014, 86, 638-646.	6.5	56
31	Comment on â€œProfiling Oil Sands Mixtures from Industrial Developments and Natural Groundwaters for Source Identificationâ€“. Environmental Science & Technology, 2014, 48, 11013-11014.	10.0	10
32	Hydroxyflavones as a New Family of Matrices for MALDI Tissue Imaging. Analytical Chemistry, 2013, 85, 7566-7573.	6.5	72
33	Using multiple structural proteomics approaches for the characterization of prion proteins. Journal of Proteomics, 2013, 81, 31-42.	2.4	18
34	Metabolomic analysis of key central carbon metabolism carboxylic acids as their 3â€“nitrophenylhydrazones by <sc>UPLC</sc>/<sc>ESI</sc>â€“<sc>MS</sc>. Electrophoresis, 2013, 34, 2891-2900.	2.4	100
35	Proteomics and Phosphoproteomics Analysis of Human Lens Fiber Cell Membranes. , 2013, 54, 1135.		61
36	Verification and spatial localization of aquaporin-5 in the ocular lens. Experimental Eye Research, 2013, 108, 94-102.	2.6	40

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37	Analysis of Selected Sugars and Sugar Phosphates in Mouse Heart Tissue by Reductive Amination and Liquid Chromatography-Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 5965-5973.	6.5	45
38	Comprehensive Analysis of Oil Sands Processed Water by Direct-Infusion Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry with and without Offline UHPLC Sample Prefractionation. <i>Environmental Science & Technology</i> , 2013, 47, 4471-4479.	10.0	49
39	HIF1A Reduces Acute Lung Injury by Optimizing Carbohydrate Metabolism in the Alveolar Epithelium. <i>PLoS Biology</i> , 2013, 11, e1001665.	5.6	138
40	Metabonomics Reveals Drastic Changes in Anti-Inflammatory/Pro-Resolving Polyunsaturated Fatty Acids-Derived Lipid Mediators in Leprosy Disease. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2381.	3.0	41
41	Dithranol as a Matrix for Matrix Assisted Laser Desorption/Ionization Imaging on a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. <i>Journal of Visualized Experiments</i> , 2013, , e50733.	0.3	3
42	Metabolic Signatures of Triatomine Vectors of <i>Trypanosoma cruzi</i> Unveiled by Metabolomics. <i>PLoS ONE</i> , 2013, 8, e77283.	2.5	43
43	Repression of <i>Salmonella enterica</i> <i>phoP</i> Expression by Small Molecules from Physiological Bile. <i>Journal of Bacteriology</i> , 2012, 194, 2286-2296.	2.2	19
44	Adora2b-elicited Per2 stabilization promotes a HIF-dependent metabolic switch crucial for myocardial adaptation to ischemia. <i>Nature Medicine</i> , 2012, 18, 774-782.	30.7	278
45	Mass Spectrometry-Based Structural Proteomics. <i>European Journal of Mass Spectrometry</i> , 2012, 18, 251-267.	1.0	44
46	Top-down hydrogen/deuterium exchange and ECD-stitched FTICR-MS for probing structural dynamics of a 29-kDa enzyme. <i>International Journal of Mass Spectrometry</i> , 2012, 325-327, 130-138.	1.5	12
47	Dithranol as a MALDI Matrix for Tissue Imaging of Lipids by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 8391-8398.	6.5	44
48	Structure and Dynamics of Small Soluble A β (1-40) Oligomers Studied by Top-Down Hydrogen Exchange Mass Spectrometry. <i>Biochemistry</i> , 2012, 51, 3694-3703.	2.5	64
49	Effect of Antibiotic Treatment on the Intestinal Metabolome. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 1494-1503.	3.2	258
50	Conformer-Specific Hydrogen Exchange Analysis of A β (1-42) Oligomers by Top-Down Electron Capture Dissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 5386-5393.	6.5	62
51	Metabolomics Reveals Phospholipids as Important Nutrient Sources during <i>Salmonella</i> Growth in Bile In Vitro and In Vivo. <i>Journal of Bacteriology</i> , 2011, 193, 4719-4725.	2.2	32
52	Impact of <i>Salmonella</i> Infection on Host Hormone Metabolism Revealed by Metabolomics. <i>Infection and Immunity</i> , 2011, 79, 1759-1769.	2.2	104
53	The Deubiquitinase Activity of the <i>Salmonella</i> Pathogenicity Island 2 Effector, SseL, Prevents Accumulation of Cellular Lipid Droplets. <i>Infection and Immunity</i> , 2011, 79, 4392-4400.	2.2	40
54	Emerging Mass Spectrometry-Based Technologies for Analyses of Chromatin Changes: Analysis of Histones and Histone Modifications. <i>Methods in Molecular Biology</i> , 2011, 773, 259-303.	0.9	4

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55	Peering into molecular mechanisms of action with frogSCOPE. <i>General and Comparative Endocrinology</i> , 2010, 168, 190-198.	1.8	17
56	Top-down analysis of recombinant histone H3 and its methylated analogs by ESI/FT-ICR mass spectrometry. <i>Proteomics</i> , 2010, 10, 3621-3630.	2.2	8
57	Metabolomics: towards understanding host-microbe interactions. <i>Future Microbiology</i> , 2010, 5, 153-161.	2.0	48
58	Characterizing Short-Lived Protein Folding Intermediates by Top-Down Hydrogen Exchange Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 8591-8597.	6.5	78
59	Accurate molecular weight analysis of histones using FFE and RP-HPLC on monolithic capillary columns. <i>Journal of Separation Science</i> , 2009, 32, 2691-2698.	2.5	17
60	Mass spectrometry-based technologies for high-throughput metabolomics. <i>Bioanalysis</i> , 2009, 1, 1665-1684.	1.5	60
61	Hydrogen/Deuterium Exchange Mass Spectrometry with Top-Down Electron Capture Dissociation for Characterizing Structural Transitions of a 17 kDa Protein. <i>Journal of the American Chemical Society</i> , 2009, 131, 12801-12808.	13.7	174
62	Towards high-throughput metabolomics using ultrahigh-field Fourier transform ion cyclotron resonance mass spectrometry. <i>Metabolomics</i> , 2008, 4, 128-140.	3.0	136
63	Free-flow electrophoresis for top-down proteomics by Fourier transform ion cyclotron resonance mass spectrometry. <i>Proteomics</i> , 2008, 8, 2798-2808.	2.2	30
64	MALDI tissue profiling of integral membrane proteins from ocular tissues. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 814-822.	2.8	25
65	Metabolomic profiling of a modified alcohol liquid diet model for liver injury in the mouse uncovers new markers of disease. <i>Toxicology and Applied Pharmacology</i> , 2008, 232, 236-243.	2.8	67
66	Electron Capture Dissociation of Electrosprayed Protein Ions for Spatially Resolved Hydrogen Exchange Measurements. <i>Journal of the American Chemical Society</i> , 2008, 130, 11574-11575.	13.7	111
67	Spatial Differences in an Integral Membrane Proteome Detected in Laser Capture Microdissected Samples. <i>Journal of Proteome Research</i> , 2008, 7, 2696-2702.	3.7	38
68	MALDI Tissue Imaging of Ocular Lens \pm -Crystallin. , 2006, 47, 2990.		70
69	Proteolysis and Mass Spectrometric Analysis of an Integral Membrane: Aquaporin 0. <i>Journal of Proteome Research</i> , 2004, 3, 807-812.	3.7	44
70	Sequence and peptide map of guinea pig aquaporin 0. <i>Molecular Vision</i> , 2004, 10, 215-22.	1.1	5
71	Mapping of protein phosphorylation by dual enzyme digestion and matrix-assisted laser desorption ionization-quadrupole orthogonal time-of-flight mass spectrometry. <i>Analytical Biochemistry</i> , 2002, 310, 215-218.	2.4	10