

Chunxiu Hu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,907
citations

25
h-index

43
g-index

60
ext. papers

2,391
ext. citations

5.8
avg. IF

4.61
L-index

#	Paper	IF	Citations
58	Altered Lipid Metabolism in Recovered SARS Patients Twelve Years after Infection. <i>Scientific Reports</i> , 2017 , 7, 9110	4.9	233
57	Analytical strategies in lipidomics and applications in disease biomarker discovery. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2836-46	3.2	163
56	RPLC-ion-trap-FTMS method for lipid profiling of plasma: method validation and application to p53 mutant mouse model. <i>Journal of Proteome Research</i> , 2008 , 7, 4982-91	5.6	139
55	Discovery and validation of plasma biomarkers for major depressive disorder classification based on liquid chromatography-mass spectrometry. <i>Journal of Proteome Research</i> , 2015 , 14, 2322-30	5.6	114
54	Metabolomics study of hepatocellular carcinoma: discovery and validation of serum potential biomarkers by using capillary electrophoresis-mass spectrometry. <i>Journal of Proteome Research</i> , 2014 , 13, 3420-31	5.6	94
53	Development of a High Coverage Pseudotargeted Lipidomics Method Based on Ultra-High Performance Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 7608-7616	7.8	71
52	Mass-spectrometry-based metabolomics analysis for foodomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 52, 36-46	14.6	70
51	Global Metabolic Profiling Identifies a Pivotal Role of Proline and Hydroxyproline Metabolism in Supporting Hypoxic Response in Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2018 , 24, 474-485	12.9	60
50	Metabolomics and traditional Chinese medicine. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 61, 207-214	14.6	54
49	Plasma lipidomics reveals potential lipid markers of major depressive disorder. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 6497-507	4.4	54
48	Comprehensive Strategy to Construct In-House Database for Accurate and Batch Identification of Small Molecular Metabolites. <i>Analytical Chemistry</i> , 2018 , 90, 7635-7643	7.8	52
47	Effect of bisphenol A on rat metabolic profiling studied by using capillary electrophoresis time-of-flight mass spectrometry. <i>Environmental Science & Technology</i> , 2013 , 47, 7457-65	10.3	50
46	Application of plasma lipidomics in studying the response of patients with essential hypertension to antihypertensive drug therapy. <i>Molecular BioSystems</i> , 2011 , 7, 3271-9		48
45	A metabolomics study delineating geographical location-associated primary metabolic changes in the leaves of growing tobacco plants by GC-MS and CE-MS. <i>Scientific Reports</i> , 2015 , 5, 16346	4.9	44
44	Lipidomics analysis reveals efficient storage of hepatic triacylglycerides enriched in unsaturated fatty acids after one bout of exercise in mice. <i>PLoS ONE</i> , 2010 , 5, e13318	3.7	43
43	On-line stop-flow two-dimensional liquid chromatography-mass spectrometry method for the separation and identification of triterpenoid saponins from ginseng extract. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 331-41	4.4	34
42	The development of plasma pseudotargeted GC-MS metabolic profiling and its application in bladder cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 6741-9	4.4	34

41	Large-scaled human serum sphingolipid profiling by using reversed-phase liquid chromatography coupled with dynamic multiple reaction monitoring of mass spectrometry: method development and application in hepatocellular carcinoma. <i>Journal of Chromatography A</i> , 2013 , 1320, 103-10	4.5	31
40	Recent advances in analytical strategies for mass spectrometry-based lipidomics. <i>Analytica Chimica Acta</i> , 2020 , 1137, 156-169	6.6	29
39	Metabolomics Identifies Biomarker Pattern for Early Diagnosis of Hepatocellular Carcinoma: from Diethylnitrosamine Treated Rats to Patients. <i>Scientific Reports</i> , 2015 , 5, 16101	4.9	28
38	Effect of Allium macrostemon on a rat model of depression studied by using plasma lipid and acylcarnitine profiles from liquid chromatography/mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 89, 122-9	3.5	26
37	Metabolic Profiling with Gas Chromatography-Mass Spectrometry and Capillary Electrophoresis-Mass Spectrometry Reveals the Carbon-Nitrogen Status of Tobacco Leaves Across Different Planting Areas. <i>Journal of Proteome Research</i> , 2016 , 15, 468-76	5.6	25
36	Study of polar metabolites in tobacco from different geographical origins by using capillary electrophoresis-mass spectrometry. <i>Metabolomics</i> , 2014 , 10, 805-815	4.7	25
35	Plasma Lipidomics Investigation of Hemodialysis Effects by Using Liquid Chromatography-Mass Spectrometry. <i>Journal of Proteome Research</i> , 2016 , 15, 1986-94	5.6	25
34	Integrated Metabolomics and Lipidomics Analyses Reveal Metabolic Reprogramming in Human Glioma with IDH1 Mutation. <i>Journal of Proteome Research</i> , 2019 , 18, 960-969	5.6	25
33	ORP4L Extracts and Presents PIP from Plasma Membrane for PLC β Catalysis: Targeting It Eradicates Leukemia Stem Cells. <i>Cell Reports</i> , 2019 , 26, 2166-2177.e9	10.6	24
32	Metabolic changes in primary, secondary, and lipid metabolism in tobacco leaf in response to topping. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 839-851	4.4	19
31	Linking biological activity with herbal constituents by systems biology-based approaches: effects of Panax ginseng in type 2 diabetic Goto-Kakizaki rats. <i>Molecular BioSystems</i> , 2011 , 7, 3094-103		19
30	A New Strategy for Analyzing Time-Series Data Using Dynamic Networks: Identifying Prospective Biomarkers of Hepatocellular Carcinoma. <i>Scientific Reports</i> , 2016 , 6, 32448	4.9	19
29	Lipid profiling reveals different therapeutic effects of metformin and glipizide in patients with type 2 diabetes and coronary artery disease. <i>Diabetes Care</i> , 2014 , 37, 2804-12	14.6	18
28	A novel strategy to evaluate the quality of traditional Chinese medicine based on the correlation analysis of chemical fingerprint and biological effect. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 83, 57-64	3.5	18
27	Linking bioenergetic function of mitochondria to tissue-specific molecular fingerprints. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E374-E387	6	16
26	Multiplatform Metabolomics Reveals Novel Serum Metabolite Biomarkers in Diabetic Retinopathy Subjects. <i>Advanced Science</i> , 2020 , 7, 2001714	13.6	16
25	Metabolic responses of rice leaves and seeds under transgenic backcross breeding and pesticide stress by pseudotargeted metabolomics. <i>Metabolomics</i> , 2015 , 11, 1802-1814	4.7	13
24	Rapid lipidomic profiling based on ultra-high performance liquid chromatography-mass spectrometry and its application in diabetic retinopathy. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3585-3594	4.4	13

23	Lipidomics reveals multiple pathway effects of a multi-components preparation on lipid biochemistry in ApoE*3Leiden.CETP mice. <i>PLoS ONE</i> , 2012 , 7, e30332	3.7	13
22	Human Prostate Cancer is Characterized by an Increase in Urea Cycle Metabolites. <i>Cancers</i> , 2020 , 12,	6.6	12
21	A High-Fat Diet Rich in Saturated and Mono-Unsaturated Fatty Acids Induces Disturbance of Thyroid Lipid Profile and Hypothyroxinemia in Male Rats. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1700599	5.9	12
20	Plasma metabolomics profiling of maintenance hemodialysis based on capillary electrophoresis - time of flight mass spectrometry. <i>Scientific Reports</i> , 2017 , 7, 8150	4.9	12
19	Serum lipid profiling of patients with chronic hepatitis B, cirrhosis, and hepatocellular carcinoma by ultra fast LC/IT-TOF MS. <i>Electrophoresis</i> , 2013 , 34, n/a-n/a	3.6	12
18	Parallel derivatization strategy coupled with liquid chromatography-mass spectrometry for broad coverage of steroid hormones. <i>Journal of Chromatography A</i> , 2020 , 1614, 460709	4.5	12
17	A lipidomics study reveals hepatic lipid signatures associating with deficiency of the LDL receptor in a rat model. <i>Biology Open</i> , 2016 , 5, 979-86	2.2	12
16	Muscle-Liver Substrate Fluxes in Exercising Humans and Potential Effects on Hepatic Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	11
15	Serum Metabolomics for Biomarker Screening of Esophageal Squamous Cell Carcinoma and Esophageal Squamous Dysplasia Using Gas Chromatography-Mass Spectrometry. <i>ACS Omega</i> , 2020 , 5, 26402-26412	3.9	11
14	Plasma and liver lipidomics response to an intervention of rimonabant in ApoE*3Leiden.CETP transgenic mice. <i>PLoS ONE</i> , 2011 , 6, e19423	3.7	10
13	Activation of choline kinase drives aberrant choline metabolism in esophageal squamous cell carcinomas. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 155, 148-156	3.5	9
12	Enhancement of mitochondrial biogenesis and paradoxical inhibition of lactate dehydrogenase mediated by 14-3-3 σ in oncocytoomas. <i>Journal of Pathology</i> , 2018 , 245, 361-372	9.4	7
11	A Computational Method of Defining Potential Biomarkers based on Differential Sub-Networks. <i>Scientific Reports</i> , 2017 , 7, 14339	4.9	7
10	Metabolic Alterations Related to Glioma Grading Based on Metabolomics and Lipidomics Analyses. <i>Metabolites</i> , 2020 , 10,	5.6	6
9	Comparison of Erythrocyte Membrane Lipid Profiles between NAFLD Patients with or without Hyperlipidemia. <i>International Journal of Endocrinology</i> , 2020 , 2020, 9501826	2.7	4
8	Untargeted Lipidomics Reveals Specific Lipid Abnormalities in Nonfunctioning Human Pituitary Adenomas. <i>Journal of Proteome Research</i> , 2020 , 19, 455-463	5.6	3
7	Strategy for Nontargeted Metabolomic Annotation and Quantitation Using a High-Resolution Spectral-Stitching Nano-electrospray Direct-Infusion Mass Spectrometry with Data-Independent Acquisition. <i>Analytical Chemistry</i> , 2021 , 93, 10528-10537	7.8	2
6	Protein profiling analysis based on matrix-assisted laser desorption/ionization-Fourier transform ion cyclotron resonance mass spectrometry and its application in typing <i>Streptomyces</i> isolates. <i>Talanta</i> , 2020 , 208, 120439	6.2	1

5	Exercise prevents fatty liver by modifying the compensatory response of mitochondrial metabolism to excess substrate availability. <i>Molecular Metabolism</i> , 2021 , 101359	8.8	o
4	Lipid Profiling of 20 Mammalian Cells by Capillary Microsampling Combined with High-Resolution Spectral Stitching Nano-electrospray Ionization Direct-Infusion Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 10031-10038	7.8	o
3	A high throughput lipidomics method and its application in atrial fibrillation based on 96-well plate pretreatment and liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1651, 462271	4.5	o
2	Metabolic Activity of the Liver during Exercise: A Metabolomics Approach. <i>Diabetes</i> , 2018 , 67, 1856-P	0.9	
1	Mass Spectrometry-Based Lipidomics for Biomarker Research. <i>Biomarkers in Disease</i> , 2015 , 49-74		