

Xinjie Zhao

List of Publications by Year in Descending Order

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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.

53
papers

2,444
citations

23
h-index

49
g-index

57
ext. papers

3,298
ext. citations

7.1
avg, IF

4.53
L-index

#	Paper	IF	Citations
53	Combined berberine and probiotic treatment as an effective regimen for improving postprandial hyperlipidemia in type 2 diabetes patients: a double blinded placebo controlled randomized study.. <i>Gut Microbes</i> , 2022 , 14, 2003176	8.8	4
52	Association of Serum Bile Acids Profile and Pathway Dysregulation With the Risk of Developing Diabetes Among Normoglycemic Chinese Adults: Findings From the 4C Study. <i>Diabetes Care</i> , 2021 , 44, 499-510	14.6	10
51	How to Screen and Prevent Metabolic Syndrome in Patients of PCOS Early: Implications From Metabolomics. <i>Frontiers in Endocrinology</i> , 2021 , 12, 659268	5.7	2
50	Systematic, Modifying Group-Assisted Strategy Expanding Coverage of Metabolite Annotation in Liquid Chromatography-Mass Spectrometry-Based Nontargeted Metabolomics Studies. <i>Analytical Chemistry</i> , 2021 , 93, 10916-10924	7.8	1
49	Metabolite Triplet in Serum Improves the Diagnostic Accuracy of Prediabetes and Diabetes Screening. <i>Journal of Proteome Research</i> , 2021 , 20, 1005-1014	5.6	2
48	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	0
47	Association of plasma branched-chain amino acids with overweight: A Mendelian randomization analysis. <i>Obesity</i> , 2021 , 29, 1708-1718	8	0
46	Comparison of the metabolome in urine prior and eight weeks after radical prostatectomy uncovers pathologic and molecular features of prostate cancer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 205, 114288	3.5	1
45	Serum Metabonomics Reveals Risk Factors in Different Periods of Cerebral Infarction in Humans.. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 784288	5.6	
44	Development of a plasma pseudotargeted metabolomics method based on ultra-high-performance liquid chromatography-mass spectrometry. <i>Nature Protocols</i> , 2020 , 15, 2519-2537	18.8	44
43	Pseudotargeted Method Based on Parallel Column Two-Dimensional Liquid Chromatography-Mass Spectrometry for Broad Coverage of Metabolome and Lipidome. <i>Analytical Chemistry</i> , 2020 , 92, 6043-6050	7.8	17
42	Human Prostate Cancer is Characterized by an Increase in Urea Cycle Metabolites. <i>Cancers</i> , 2020 , 12,	6.6	12
41	Identification and regulation of the xenometabolite derivatives - and -3,4-methylene-heptanoylcarnitine in plasma and skeletal muscle of exercising humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 318, E701-E709	6	1
40	A multi-omics investigation of the molecular characteristics and classification of six metabolic syndrome relevant diseases. <i>Theranostics</i> , 2020 , 10, 2029-2046	12.1	14
39	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
38	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
37	A graph density-based strategy for features fusion from different peak extract software to achieve more metabolites in metabolic profiling from high-resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2020 , 1139, 8-14	6.6	2

36	Gut microbiome-related effects of berberine and probiotics on type 2 diabetes (the PREMOTE study). <i>Nature Communications</i> , 2020 , 11, 5015	17.4	57
35	Metabolic Alterations Related to Glioma Grading Based on Metabolomics and Lipidomics Analyses. <i>Metabolites</i> , 2020 , 10,	5.6	6
34	Removal of false positive features to generate authentic peak table for high-resolution mass spectrometry-based metabolomics study. <i>Analytica Chimica Acta</i> , 2019 , 1067, 79-87	6.6	6
33	Metabolomics profiling of metformin-mediated metabolic reprogramming bypassing AMPK. <i>Metabolism: Clinical and Experimental</i> , 2019 , 91, 18-29	12.7	15
32	Serum Metabolomics Study of Gliclazide-Modified-Release-Treated Type 2 Diabetes Mellitus Patients Using a Gas Chromatography-Mass Spectrometry Method. <i>Journal of Proteome Research</i> , 2018 , 17, 1575-1585	5.6	14
31	Strategy for Comprehensive Identification of Acylcarnitines Based on Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 5712-5718	7.8	31
30	Metabolomics and transcriptomics profiles reveal the dysregulation of the tricarboxylic acid cycle and related mechanisms in prostate cancer. <i>International Journal of Cancer</i> , 2018 , 143, 396-407	7.5	43
29	The delayed effects of antibiotics in type 2 diabetes, friend or foe?. <i>Journal of Endocrinology</i> , 2018 , 238, 137-149	4.7	10
28	Ion-Pair Selection Method for Pseudotargeted Metabolomics Based on SWATH MS Acquisition and Its Application in Differential Metabolite Discovery of Type 2 Diabetes. <i>Analytical Chemistry</i> , 2018 , 90, 11401-11408	7.8	24
27	Deep Annotation of Hydroxycinnamic Acid Amides in Plants Based on Ultra-High-Performance Liquid Chromatography-High-Resolution Mass Spectrometry and Its In Silico Database. <i>Analytical Chemistry</i> , 2018 , 90, 14321-14330	7.8	25
26	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
25	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
24	Gut microbiome and serum metabolome alterations in obesity and after weight-loss intervention. <i>Nature Medicine</i> , 2017 , 23, 859-868	50.5	627
23	An alignment algorithm for LC-MS-based metabolomics dataset assisted by MS/MS information. <i>Analytica Chimica Acta</i> , 2017 , 990, 96-102	6.6	11
22	Metabolomics biomarker analysis of threatened abortion in polycystic ovary syndrome: a clinical discovery study. <i>RSC Advances</i> , 2017 , 7, 52923-52929	3.7	2
21	Analyses of gut microbiota and plasma bile acids enable stratification of patients for antidiabetic treatment. <i>Nature Communications</i> , 2017 , 8, 1785	17.4	192
20	Relationship of Serum Trimethylamine N-Oxide (TMAO) Levels with early Atherosclerosis in Humans. <i>Scientific Reports</i> , 2016 , 6, 26745	4.9	174
19	Integration of lipidomics and transcriptomics unravels aberrant lipid metabolism and defines cholesteryl oleate as potential biomarker of prostate cancer. <i>Scientific Reports</i> , 2016 , 6, 20984	4.9	82

18	Muscle and liver-specific alterations in lipid and acylcarnitine metabolism after a single bout of exercise in mice. <i>Scientific Reports</i> , 2016 , 6, 22218	4.9	13
17	Integration of Metabolomics and Transcriptomics Reveals Major Metabolic Pathways and Potential Biomarker Involved in Prostate Cancer. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 154-63	7.6	87
16	Metabolomics Study of Roux-en-Y Gastric Bypass Surgery (RYGB) to Treat Type 2 Diabetes Patients Based on Ultrapformance Liquid Chromatography-Mass Spectrometry. <i>Journal of Proteome Research</i> , 2016 , 15, 1288-99	5.6	32
15	Serum metabolomics study of Traditional Chinese medicine formula intervention to polycystic ovary syndrome. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 120, 127-33	3.5	17
14	Lysophosphatidylcholines activate PPAR α and protect human skeletal muscle cells from lipotoxicity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 1980-1992	5	23
13	Nontargeted Screening Method for Illegal Additives Based on Ultrahigh-Performance Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2016 , 88, 8870-7	7.8	31
12	Plasma lipidomics reveals potential lipid markers of major depressive disorder. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 6497-507	4.4	54
11	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
10	A data preprocessing strategy for metabolomics to reduce the mask effect in data analysis. <i>Frontiers in Molecular Biosciences</i> , 2015 , 2, 4	5.6	60
9	GC/MS-based metabolomic studies reveal key roles of glycine in regulating silk synthesis in silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015 , 57, 41-50	4.5	23
8	Liquid chromatography-mass spectrometry of biofluids and extracts. <i>Methods in Molecular Biology</i> , 2015 , 1277, 61-73	1.4	1
7	Serum metabolomics study of polycystic ovary syndrome based on liquid chromatography-mass spectrometry. <i>Journal of Proteome Research</i> , 2014 , 13, 1101-11	5.6	61
6	Serum metabolomics study of the acute graft rejection in human renal transplantation based on liquid chromatography-mass spectrometry. <i>Journal of Proteome Research</i> , 2014 , 13, 2659-67	5.6	21
5	Serum metabolic profiling study of lung cancer using ultra high performance liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 966, 147-53	3.2	63
4	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
3	Changes of the plasma metabolome during an oral glucose tolerance test: is there more than glucose to look at?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 296, E384-93	6	127
2	Effect of a traditional Chinese medicine preparation Xindi soft capsule on rat model of acute blood stasis: a urinary metabonomics study based on liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 873, 151-8	3.2	82
1	Urinary profiling investigation of metabolites with cis-diol structure from cancer patients based on UPLC-MS and HPLC-MS as well as multivariate statistical analysis. <i>Journal of Separation Science</i> , 2006 , 29, 2444-51	3.4	47

