Xinjie Zhao

List of Publications by Year
in descending order

54 papers	4,002 citations	172207 29 h-index	161609 54 g-index
57 all docs	57 docs citations	57 times ranked	7093 citing authors

#	Article	IF	Citations
1	Gut microbiome and serum metabolome alterations in obesity and after weight-loss intervention. Nature Medicine, 2017, 23, 859-868.	15.2	1,074
2	Analyses of gut microbiota and plasma bile acids enable stratification of patients for antidiabetic treatment. Nature Communications, 2017, 8, 1785.	5.8	312
3	Relationship of Serum Trimethylamine N-Oxide (TMAO) Levels with early Atherosclerosis in Humans. Scientific Reports, 2016, 6, 26745.	1.6	224
4	Gut microbiome-related effects of berberine and probiotics on type 2 diabetes (the PREMOTE study). Nature Communications, 2020, 11, 5015.	5.8	184
5	Discovery and Validation of Plasma Biomarkers for Major Depressive Disorder Classification Based on Liquid Chromatographyâ€"Mass Spectrometry. Journal of Proteome Research, 2015, 14, 2322-2330.	1.8	152
6	Integration of Metabolomics and Transcriptomics Reveals Major Metabolic Pathways and Potential Biomarker Involved in Prostate Cancer. Molecular and Cellular Proteomics, 2016, 15, 154-163.	2.5	149
7	Changes of the plasma metabolome during an oral glucose tolerance test: is there more than glucose to look at?. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E384-E393.	1.8	143
8	Development of a High Coverage Pseudotargeted Lipidomics Method Based on Ultra-High Performance Liquid Chromatographyâ€"Mass Spectrometry. Analytical Chemistry, 2018, 90, 7608-7616.	3.2	138
9	Development of a plasma pseudotargeted metabolomics method based on ultra-high-performance liquid chromatographyâ€"mass spectrometry. Nature Protocols, 2020, 15, 2519-2537.	5.5	127
10	Integration of lipidomics and transcriptomics unravels aberrant lipid metabolism and defines cholesteryl oleate as potential biomarker of prostate cancer. Scientific Reports, 2016, 6, 20984.	1.6	103
11	Effect of a traditional Chinese medicine preparation Xindi soft capsule on rat model of acute blood stasis: A urinary metabonomics study based on liquid chromatographyâ€"mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 873, 151-158.	1.2	98
12	Plasma lipidomics reveals potential lipid markers of major depressive disorder. Analytical and Bioanalytical Chemistry, 2016, 408, 6497-6507.	1.9	95
13	Comprehensive Strategy to Construct In-House Database for Accurate and Batch Identification of Small Molecular Metabolites. Analytical Chemistry, 2018, 90, 7635-7643.	3.2	90
14	Serum Metabolomics Study of Polycystic Ovary Syndrome Based on Liquid Chromatographyâ€"Mass Spectrometry. Journal of Proteome Research, 2014, 13, 1101-1111.	1.8	78
15	A data preprocessing strategy for metabolomics to reduce the mask effect in data analysis. Frontiers in Molecular Biosciences, 2015, 2, 4.	1.6	78
16	Serum metabolic profiling study of lung cancer using ultra high performance liquid chromatography/quadrupole time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 966, 147-153.	1.2	70
17	Metabolomics and transcriptomics profiles reveal the dysregulation of the tricarboxylic acid cycle and related mechanisms in prostate cancer. International Journal of Cancer, 2018, 143, 396-407.	2.3	57
18	Deep Annotation of Hydroxycinnamic Acid Amides in Plants Based on Ultra-High-Performance Liquid Chromatographyâ€"High-Resolution Mass Spectrometry and Its In Silico Database. Analytical Chemistry, 2018, 90, 14321-14330.	3.2	54

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19	Urinary profiling investigation of metabolites withcis-diol structure from cancer patients based on UPLC-MS and HPLC-MS as well as multivariate statistical analysis. Journal of Separation Science, 2006, 29, 2444-2451.	1.3	50
20	Metabolomics Study of Roux-en-Y Gastric Bypass Surgery (RYGB) to Treat Type 2 Diabetes Patients Based on Ultraperformance Liquid Chromatographyâ€"Mass Spectrometry. Journal of Proteome Research, 2016, 15, 1288-1299.	1.8	48
21	Strategy for Comprehensive Identification of Acylcarnitines Based on Liquid Chromatographyâ€"High-Resolution Mass Spectrometry. Analytical Chemistry, 2018, 90, 5712-5718.	3.2	42
22	Serum lipid profiling of patients with chronic hepatitis <scp>B</scp>, cirrhosis, and hepatocellular carcinoma by ultra fast <scp>LC</scp>/<scp>IT</scp>â€<scp>TOF MS</scp>. Electrophoresis, 2013, 34, 2848-2856.	1.3	41
23	Nontargeted Screening Method for Illegal Additives Based on Ultrahigh-Performance Liquid Chromatographyâ€"High-Resolution Mass Spectrometry. Analytical Chemistry, 2016, 88, 8870-8877.	3.2	41
24	Association of Serum Bile Acids Profile and Pathway Dysregulation With the Risk of Developing Diabetes Among Normoglycemic Chinese Adults: Findings From the 4C Study. Diabetes Care, 2021, 44, 499-510.	4.3	40
25	Lysophosphatidylcholines activate PPARÎ´ and protect human skeletal muscle cells from lipotoxicity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1980-1992.	1.2	38
26	Human Prostate Cancer Is Characterized by an Increase in Urea Cycle Metabolites. Cancers, 2020, 12, 1814.	1.7	37
27	A multi-omics investigation of the molecular characteristics and classification of six metabolic syndrome relevant diseases. Theranostics, 2020, 10, 2029-2046.	4.6	35
28	Pseudotargeted Method Based on Parallel Column Two-Dimensional Liquid Chromatography-Mass Spectrometry for Broad Coverage of Metabolome and Lipidome. Analytical Chemistry, 2020, 92, 6043-6050.	3.2	34
29	Ion-Pair Selection Method for Pseudotargeted Metabolomics Based on SWATH MS Acquisition and Its Application in Differential Metabolite Discovery of Type 2 Diabetes. Analytical Chemistry, 2018, 90, 11401-11408.	3.2	33
30	Metabolomics profiling of metformin-mediated metabolic reprogramming bypassing AMPKÎ±. Metabolism: Clinical and Experimental, 2019, 91, 18-29.	1.5	30
31	Muscle-Liver Substrate Fluxes in Exercising Humans and Potential Effects on Hepatic Metabolism. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1196-1209.	1.8	27
32	Rapid lipidomic profiling based on ultra-high performance liquid chromatographyâ€"mass spectrometry and its application in diabetic retinopathy. Analytical and Bioanalytical Chemistry, 2020, 412, 3585-3594.	1.9	27
33	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. Gut Microbes, 2022, 14, 2003176.	4.3	27
34	Serum Metabolomics Study of the Acute Graft Rejection in Human Renal Transplantation Based on Liquid Chromatographyâ€"Mass Spectrometry. Journal of Proteome Research, 2014, 13, 2659-2667.	1.8	25
35	GC/MS-based metabolomic studies reveal key roles of glycine inÂregulating silk synthesis in silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2015, 57, 41-50.	1.2	24
36	Serum metabolomics study of Traditional Chinese medicine formula intervention to polycystic ovary syndrome. Journal of Pharmaceutical and Biomedical Analysis, 2016, 120, 127-133.	1.4	24

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37	Metabolic Alterations Related to Glioma Grading Based on Metabolomics and Lipidomics Analyses. Metabolites, 2020, 10, 478.	1.3	18
38	Muscle and liver-specific alterations in lipid and acylcarnitine metabolism after a single bout of exercise in mice. Scientific Reports, 2016, 6, 22218.	1.6	17
39	An alignment algorithm for LC-MS-based metabolomics dataset assisted by MS/MS information. Analytica Chimica Acta, 2017, 990, 96-102.	2.6	17
40	Serum Metabolomics Study of Gliclazide-Modified-Release-Treated Type 2 Diabetes Mellitus Patients Using a Gas Chromatography–Mass Spectrometry Method. Journal of Proteome Research, 2018, 17, 1575-1585.	1.8	17
41	The delayed effects of antibiotics in type 2 diabetes, friend or foe?. Journal of Endocrinology, 2018, 238, 137-149.	1.2	15
42	Removal of false positive features to generate authentic peak table for high-resolution mass spectrometry-based metabolomics study. Analytica Chimica Acta, 2019, 1067, 79-87.	2.6	12
43	How to Screen and Prevent Metabolic Syndrome in Patients of PCOS Early: Implications From Metabolomics. Frontiers in Endocrinology, 2021, 12, 659268.	1.5	10
44	MetEx: A Targeted Extraction Strategy for Improving the Coverage and Accuracy of Metabolite Annotation in Liquid Chromatography–High-Resolution Mass Spectrometry Data. Analytical Chemistry, 2022, 94, 8561-8569.	3.2	10
45	Systematic, Modifying Group-Assisted Strategy Expanding Coverage of Metabolite Annotation in Liquid Chromatography–Mass Spectrometry-Based Nontargeted Metabolomics Studies. Analytical Chemistry, 2021, 93, 10916-10924.	3.2	8
46	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. Analytica Chimica Acta, 2020, 1139, 8-14.	2.6	5
47	Metabolite Triplet in Serum Improves the Diagnostic Accuracy of Prediabetes and Diabetes Screening. Journal of Proteome Research, 2021, 20, 1005-1014.	1.8	5
48	Association of plasma branched–chain amino acids with overweight: A Mendelian randomization analysis. Obesity, 2021, 29, 1708-1718.	1.5	4
49	Metabolomics biomarker analysis of threatened abortion in polycystic ovary syndrome: a clinical discovery study. RSC Advances, 2017, 7, 52923-52929.	1.7	3
50	A high throughput lipidomics method and its application in atrial fibrillation based on 96-well plate pretreatment and liquid chromatography-mass spectrometry. Journal of Chromatography A, 2021, 1651, 462271.	1.8	3
51	Comparison of the metabolome in urine prior and eight weeks after radical prostatectomy uncovers pathologic and molecular features of prostate cancer. Journal of Pharmaceutical and Biomedical Analysis, 2021, 205, 114288.	1.4	3
52	Identification and regulation of the xenometabolite derivatives cis- and trans-3,4-methylene-heptanoylcarnitine in plasma and skeletal muscle of exercising humans. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E701-E709.	1.8	2
53	Serum Metabonomics Reveals Risk Factors in Different Periods of Cerebral Infarction in Humans. Frontiers in Molecular Biosciences, 2021, 8, 784288.	1.6	2
54	Liquid Chromatography-Mass Spectrometry of Biofluids and Extracts. Methods in Molecular Biology, 2015, 1277, 61-73.	0.4	1