

# Mingming Su

## List of Publications by Year in descending order

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70  
papers

5,810  
citations

94433

37  
h-index

95266

68  
g-index

71  
all docs

71  
docs citations

71  
times ranked

9493  
citing authors

#	ARTICLE	IF	CITATIONS
1	Symbiotic gut microbes modulate human metabolic phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2117-2122.	7.1	994
2	Serum Metabolite Profiling of Human Colorectal Cancer Using GC-TOFMS and UPLC-QTOFMS. Journal of Proteome Research, 2009, 8, 4844-4850.	3.7	363
3	Serum and Urine Metabolite Profiling Reveals Potential Biomarkers of Human Hepatocellular Carcinoma. Molecular and Cellular Proteomics, 2011, 10, M110.004945.	3.8	267
4	A targeted metabolomic protocol for short-chain fatty acids and branched-chain amino acids. Metabolomics, 2013, 9, 818-827.	3.0	212
5	Urinary Metabonomic Study on Colorectal Cancer. Journal of Proteome Research, 2010, 9, 1627-1634.	3.7	203
6	Salivary metabolite signatures of oral cancer and leukoplakia. International Journal of Cancer, 2011, 129, 2207-2217.	5.1	185
7	Enhanced Fructose Utilization Mediated by SLC2A5 Is a Unique Metabolic Feature of Acute Myeloid Leukemia with Therapeutic Potential. Cancer Cell, 2016, 30, 779-791.	16.8	176
8	Dysregulated hepatic bile acids collaboratively promote liver carcinogenesis. International Journal of Cancer, 2016, 139, 1764-1775.	5.1	169
9	Metabolic profiling reveals disorder of amino acid metabolism in four brain regions from a rat model of chronic unpredictable mild stress. FEBS Letters, 2008, 582, 2627-2636.	2.8	164
10	Ultra-performance LC/TOF MS analysis of medicinal Panax herbs for metabolomic research. Journal of Separation Science, 2008, 31, 1015-1026.	2.5	161
11	Metabolomic Profiling to Identify Potential Serum Biomarkers for Schizophrenia and Risperidone Action. Journal of Proteome Research, 2011, 10, 5433-5443.	3.7	130
12	Melamine-Induced Renal Toxicity Is Mediated by the Gut Microbiota. Science Translational Medicine, 2013, 5, 172ra22.	12.4	129
13	Metabonomic Variations in the Drug-Treated Type 2 Diabetes Mellitus Patients and Healthy Volunteers. Journal of Proteome Research, 2009, 8, 1623-1630.	3.7	123
14	High Throughput and Quantitative Measurement of Microbial Metabolome by Gas Chromatography/Mass Spectrometry Using Automated Alkyl Chloroformate Derivatization. Analytical Chemistry, 2017, 89, 5565-5577.	6.5	117
15	Metabonomic Study of Aristolochic Acid-Induced Nephrotoxicity in Rats. Journal of Proteome Research, 2006, 5, 995-1002.	3.7	113
16	Characterization of Pu-erh Tea Using Chemical and Metabolic Profiling Approaches. Journal of Agricultural and Food Chemistry, 2009, 57, 3046-3054.	5.2	111
17	Circulating Unsaturated Fatty Acids Delineate the Metabolic Status of Obese Individuals. EBioMedicine, 2015, 2, 1513-1522.	6.1	110
18	Germline BAP1 mutations induce a Warburg effect. Cell Death and Differentiation, 2017, 24, 1694-1704.	11.2	105

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19	Metabolic profiling using combined GC-MS and LC-MS provides a systems understanding of aristolochic acid-induced nephrotoxicity in rat. <i>FEBS Letters</i> , 2007, 581, 707-711.	2.8	104
20	Metabolite profiling of <i>Panax notoginseng</i> using UPLC-ESI-MS. <i>Phytochemistry</i> , 2008, 69, 2237-2244.	2.9	103
21	Pharmacometabonomic Phenotyping Reveals Different Responses to Xenobiotic Intervention in Rats. <i>Journal of Proteome Research</i> , 2007, 6, 1364-1370.	3.7	91
22	Urinary Metabolite Markers of Precocious Puberty. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.011072.	3.8	91
23	Mass Spectrometry-Based Quantitative Metabolomics Revealed a Distinct Lipid Profile in Breast Cancer Patients. <i>International Journal of Molecular Sciences</i> , 2013, 14, 8047-8061.	4.1	91
24	Metabonomic Evaluation of Melamine-Induced Acute Renal Toxicity in Rats. <i>Journal of Proteome Research</i> , 2010, 9, 125-133.	3.7	87
25	Transcriptomic and Metabonomic Profiling of Obesity-Prone and Obesity-Resistant Rats under High Fat Diet. <i>Journal of Proteome Research</i> , 2008, 7, 4775-4783.	3.7	81
26	An optimized procedure for metabonomic analysis of rat liver tissue using gas chromatography/time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 589-596.	2.8	72
27	ADAP-GC 2.0: Deconvolution of Coeluting Metabolites from GC/TOF-MS Data for Metabolomics Studies. <i>Analytical Chemistry</i> , 2012, 84, 6619-6629.	6.5	69
28	Chia Seed Supplementation and Disease Risk Factors in Overweight Women: A Metabolomics Investigation. <i>Journal of Alternative and Complementary Medicine</i> , 2012, 18, 700-708.	2.1	68
29	Metabonomics Approach to Understanding Acute and Chronic Stress in Rat Models. <i>Journal of Proteome Research</i> , 2009, 8, 2511-2518.	3.7	66
30	ADAP-GC 3.0: Improved Peak Detection and Deconvolution of Co-eluting Metabolites from GC/TOF-MS Data for Metabolomics Studies. <i>Analytical Chemistry</i> , 2016, 88, 8802-8811.	6.5	63
31	Metabolic Regulatory Network Alterations in Response to Acute Cold Stress and Ginsenoside Intervention. <i>Journal of Proteome Research</i> , 2007, 6, 3449-3455.	3.7	62
32	Investigation on the degradation of brilliant green induced oxidation by NiFe <sub>2</sub> O <sub>4</sub> under microwave irradiation. <i>Chemical Engineering Journal</i> , 2011, 173, 737-742.	12.7	60
33	An Automated Data Analysis Pipeline for GC-TOF-MS Metabonomics Studies. <i>Journal of Proteome Research</i> , 2010, 9, 5974-5981.	3.7	59
34	GC-MS with ethyl chloroformate derivatization for comprehensive analysis of metabolites in serum and its application to human uremia. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2881-2889.	3.7	58
35	Mass Spectrometry-Based Metabolic Profiling of Rat Urine Associated with General Toxicity Induced by the Multiglycoside of <i>Tripterygium wilfordii</i> Hook. f.. <i>Chemical Research in Toxicology</i> , 2008, 21, 288-294.	3.3	49
36	Structural shifts of gut microbiota as surrogate endpoints for monitoring host health changes induced by carcinogen exposure. <i>FEMS Microbiology Ecology</i> , 2010, 73, no-no.	2.7	44

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37	Chenodeoxycholic Acid as a Potential Prognostic Marker for Roux-en-Y Gastric Bypass in Chinese Obese Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 4222-4230.	3.6	40
38	Urinary metabolomics as a potentially novel diagnostic and stratification tool for knee osteoarthritis. <i>Metabolomics</i> , 2010, 6, 109-118.	3.0	39
39	Metabonomics Approach to Assessing the Modulatory Effects of St John's Wort, Ginsenosides, and Clomipramine in Experimental Depression. <i>Journal of Proteome Research</i> , 2012, 11, 6223-6230.	3.7	39
40	Studies on the treatment of brilliant green solution by combination microwave induced oxidation with CoFe <sub>2</sub> O <sub>4</sub> . <i>Separation and Purification Technology</i> , 2008, 62, 458-463.	7.9	37
41	Metformin suppressed the proliferation of LoVo cells and induced a time-dependent metabolic and transcriptional alteration. <i>Scientific Reports</i> , 2015, 5, 17423.	3.3	36
42	Bioavailability of polyphenols from peanut skin extract associated with plasma lipid lowering function. <i>Food Chemistry</i> , 2014, 148, 24-29.	8.2	34
43	A rapid ultra-performance liquid chromatography-electrospray ionisation mass spectrometric method for the analysis of saponins in the adventitious roots of <i>Panax notoginseng</i> . <i>Phytochemical Analysis</i> , 2009, 20, 68-76.	2.4	33
44	Trace Element Profiling Using Inductively Coupled Plasma Mass Spectrometry and its Application in an Osteoarthritis Study. <i>Analytical Chemistry</i> , 2009, 81, 3683-3692.	6.5	31
45	Metabonomic and Metallomic Profiling in the Amniotic Fluid of Malnourished Pregnant Rats. <i>Journal of Proteome Research</i> , 2008, 7, 2151-2157.	3.7	28
46	Metabolic Signature of Pregnant Women with Neural Tube Defects in Offspring. <i>Journal of Proteome Research</i> , 2011, 10, 4845-4854.	3.7	28
47	Metabolic profiling reveals therapeutic effects of Herba Cistanches in an animal model of hydrocortisone-induced 'kidney-deficiency syndrome'. <i>Chinese Medicine</i> , 2008, 3, 3.	4.0	25
48	Metabonomic Profiling of Human Placentas Reveals Different Metabolic Patterns among Subtypes of Neural Tube Defects. <i>Journal of Proteome Research</i> , 2014, 13, 934-945.	3.7	25
49	LC/ESI-MS method for the determination of trimetazidine in human plasma: Application to a bioequivalence study on Chinese volunteers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1804-1807.	2.8	24
50	Metabolomic profiles of arsenic (+3 oxidation state) methyltransferase knockout mice: effect of sex and arsenic exposure. <i>Archives of Toxicology</i> , 2017, 91, 189-202.	4.2	24
51	Distinct Metabolic Signature of Human Bladder Cancer Cells Carrying an Impaired Fanconi Anemia Tumor-Suppressor Signaling Pathway. <i>Journal of Proteome Research</i> , 2016, 15, 1333-1341.	3.7	23
52	Multiparametric analysis of amino acids and organic acids in rat brain tissues using GC/MS. <i>Journal of Separation Science</i> , 2008, 31, 2831-2838.	2.5	21
53	GC/MS-based urinary metabolomics reveals systematic differences in metabolism and ethanol response between Sprague-Dawley and Wistar rats. <i>Metabolomics</i> , 2011, 7, 363-374.	3.0	17
54	Analysis of urinary metabolites for metabolomic study by pressurized CEC. <i>Electrophoresis</i> , 2007, 28, 4459-4468.	2.4	16

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55	Effects of ADMA on gene expression and metabolism in serum-starved LoVo cells. <i>Scientific Reports</i> , 2016, 6, 25892.	3.3	16
56	Metabolomic evaluation of di-n-butyl phthalate-induced teratogenesis in mice. <i>Metabolomics</i> , 2011, 7, 559-571.	3.0	15
57	Metabonomics Reveals Metabolite Changes in Biliary Atresia Infants. <i>Journal of Proteome Research</i> , 2015, 14, 2569-2574.	3.7	15
58	Bile Acids as Potential Biomarkers to Assess Liver Impairment in Polycystic Kidney Disease. <i>International Journal of Toxicology</i> , 2018, 37, 144-154.	1.2	15
59	Degradation of malachite green solution using combined microwave and ZnFe <sub>2</sub> O <sub>4</sub> powder. <i>Water Science and Technology</i> , 2009, 60, 2563-2569.	2.5	13
60	Metabolic profiling reveals the protective effect of diammonium glycyrrhizinate on acute hepatic injury induced by carbon tetrachloride. <i>Metabolomics</i> , 2011, 7, 226-236.	3.0	13
61	Serum and Urine Metabolite Profiling Reveals Potential Biomarkers of Human Hepatocellular Carcinoma*. <i>Molecular and Cellular Proteomics</i> , 2011, 10, A110.004945.	3.8	11
62	Metabonomic Phenotyping Reveals an Embryotoxicity of Deca-Brominated Diphenyl Ether in Mice. <i>Chemical Research in Toxicology</i> , 2011, 24, 1976-1983.	3.3	10
63	Human gouty arthritis is associated with a distinct serum trace elemental profile. <i>Metallomics</i> , 2012, 4, 244.	2.4	10
64	A serum metabolomic investigation on lipoprotein lipase-deficient mice with hyperlipidemic pancreatitis using gas chromatography/mass spectrometry. <i>Biomedical Reports</i> , 2013, 1, 469-473.	2.0	10
65	A pilot study of antitumor effect of gallium ethylenediaminetetramethylene phosphonate [Ga(III)-EDTMP] in tumor-bearing rats. <i>Advances in Therapy</i> , 2005, 22, 297-306.	2.9	6
66	Integrated profiling of metabolites and trace elements reveals a multifaceted malnutrition in pregnant women from a region with a high prevalence of congenital malformations. <i>Metabolomics</i> , 2012, 8, 831-844.	3.0	3
67	Preparation of Indapamide slow-release pellets. <i>Advances in Therapy</i> , 2004, 21, 238-246.	2.9	1
68	Response to Letter to the Editor regarding "GC-MS with ethyl chloroformate derivatization for comprehensive analysis of metabolites in serum and its application to human uremia". <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2787-2789.	3.7	1
69	Comprehensive comparison of classifiers for metabolic profiling analysis. , 2010, , .		0
70	Metabolite assay and histology on exactly the same tissue.. <i>Journal of Clinical Oncology</i> , 2013, 31, 235-235.	1.6	0