

# Huiru Tang

## List of Publications by Year in descending order

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218  
papers

12,758  
citations

18482

62  
h-index

29157

104  
g-index

224  
all docs

224  
docs citations

224  
times ranked

16878  
citing authors

#	ARTICLE	IF	CITATIONS
1	Symbiotic gut microbes modulate human metabolic phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2117-2122.	7.1	994
2	A top-down systems biology view of microbiome-mammalian metabolic interactions in a mouse model. <i>Molecular Systems Biology</i> , 2007, 3, 112.	7.2	420
3	Mass spectrometry-based metabolomics: a guide for annotation, quantification and best reporting practices. <i>Nature Methods</i> , 2021, 18, 747-756.	19.0	403
4	Structure-activity relationship analysis of antioxidant ability and neuroprotective effect of gallic acid derivatives. <i>Neurochemistry International</i> , 2006, 48, 263-274.	3.8	390
5	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. <i>EBioMedicine</i> , 2015, 2, 968-984.	6.1	306
6	A Metabonomic Strategy for the Detection of the Metabolic Effects of Chamomile ( <i>Matricaria</i> ) Tj ETQqO O O rGT /Overlock 10 Tf 50 542	5.2	243
7	Metabonomic Studies of Human Hepatocellular Carcinoma Using High-Resolution Magic-Angle Spinning 1H NMR Spectroscopy in Conjunction with Multivariate Data Analysis. <i>Journal of Proteome Research</i> , 2007, 6, 2605-2614.	3.7	229
8	cMyc-mediated activation of serine biosynthesis pathway is critical for cancer progression under nutrient deprivation conditions. <i>Cell Research</i> , 2015, 25, 429-444.	12.0	228
9	Use of relaxation-edited one-dimensional and two dimensional nuclear magnetic resonance spectroscopy to improve detection of small metabolites in blood plasma. <i>Analytical Biochemistry</i> , 2004, 325, 260-272.	2.4	212
10	Different Levels of Polybrominated Diphenyl Ethers (PBDEs) and Chlorinated Compounds in Breast Milk from Two U.K. Regions. <i>Environmental Health Perspectives</i> , 2004, 112, 1085-1091.	6.0	198
11	Gut Microbiota Composition Modifies Fecal Metabolic Profiles in Mice. <i>Journal of Proteome Research</i> , 2013, 12, 2987-2999.	3.7	196
12	Dynamic Metabonomic Responses of Tobacco ( <i>Nicotiana tabacum</i> ) Plants to Salt Stress. <i>Journal of Proteome Research</i> , 2011, 10, 1904-1914.	3.7	195
13	The distribution of water in native starch granules—a multinuclear NMR study. <i>Carbohydrate Polymers</i> , 2000, 43, 375-387.	10.2	175
14	Alterations of Bile Acids and Gut Microbiota in Obesity Induced by High Fat Diet in Rat Model. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3624-3632.	5.2	159
15	Metabolomic analysis of the response of growing pigs to dietary l-arginine supplementation. <i>Amino Acids</i> , 2009, 37, 199-208.	2.7	158
16	Structure-activity relationships in the hydrophobic interactions of polyphenols with cellulose and collagen. <i>Biopolymers</i> , 2003, 70, 403-413.	2.4	145
17	Spectral editing and pattern recognition methods applied to high-resolution magic-angle spinning 1H nuclear magnetic resonance spectroscopy of liver tissues. <i>Analytical Biochemistry</i> , 2003, 323, 26-32.	2.4	144
18	Metabonomics in Ulcerative Colitis: Diagnostics, Biomarker Identification, And Insight into the Pathophysiology. <i>Journal of Proteome Research</i> , 2010, 9, 954-962.	3.7	141

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19	Nano-cellulose 3D-networks as controlled-release drug carriers. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2976.	5.8	135
20	Systems Responses of Rats to Aflatoxin B1 Exposure Revealed with Metabonomic Changes in Multiple Biological Matrices. <i>Journal of Proteome Research</i> , 2011, 10, 614-623.	3.7	133
21	Correlations of Fecal Metabonomic and Microbiomic Changes Induced by High-fat Diet in the Pre-Obesity State. <i>Scientific Reports</i> , 2016, 6, 21618.	3.3	131
22	Combined NMR and LC-MS Analysis Reveals Comprehensive Metabonomic Variations for Three Phenotypic Cultivars of <i>Salvia Miltiorrhiza</i> Bunge. <i>Journal of Proteome Research</i> , 2010, 9, 1565-1578.	3.7	130
23	High-Fat Diet Induces Dynamic Metabolic Alterations in Multiple Biological Matrices of Rats. <i>Journal of Proteome Research</i> , 2013, 12, 3755-3768.	3.7	130
24	Human Serum Metabonomic Analysis Reveals Progression Axes for Glucose Intolerance and Insulin Resistance Statuses. <i>Journal of Proteome Research</i> , 2009, 8, 5188-5195.	3.7	127
25	An optimized buffer system for NMR-based urinary metabonomics with effective pH control, chemical shift consistency and dilution minimization. <i>Analyst</i> , 2009, 134, 916.	3.5	127
26	Blood molecular markers associated with COVID-19 immunopathology and multi-organ damage. <i>EMBO Journal</i> , 2020, 39, e105896.	7.8	123
27	Combined NMR and LC-MS Analysis Reveals the Metabonomic Changes in <i>Salvia miltiorrhiza</i> Bunge Induced by Water Depletion. <i>Journal of Proteome Research</i> , 2010, 9, 1460-1475.	3.7	121
28	Detection of Urinary Drug Metabolite (Xenometabolome) Signatures in Molecular Epidemiology Studies via Statistical Total Correlation (NMR) Spectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 2629-2640.	6.5	118
29	A high-capacity lithium-air battery with Pd modified carbon nanotube sponge cathode working in regular air. <i>Carbon</i> , 2013, 62, 288-295.	10.3	116
30	Comparison of serum metabolite compositions between obese and lean growing pigs using an NMR-based metabonomic approach. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 133-139.	4.2	114
31	The Assessment of Plant Metabolite Profiles by NMR-Based Methodologies. <i>Planta Medica</i> , 2006, 72, 771-785.	1.3	113
32	Metabolomic Strategy for the Classification and Quality Control of Phytomedicine: A Case Study of Chamomile Flower ( <i>Matricaria recutita</i> L.). <i>Planta Medica</i> , 2004, 70, 250-255.	1.3	112
33	Metabonomic assessment of toxicity of 4-fluoroaniline, 3,5-difluoroaniline and 2-fluoro-4-methylaniline to the earthworm <i>Eisenia veneta</i> (rosa): Identification of new endogenous biomarkers. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1966-1972.	4.3	110
34	Revealing Different Systems Responses to Brown Planthopper Infestation for Pest Susceptible and Resistant Rice Plants with the Combined Metabonomic and Gene-Expression Analysis. <i>Journal of Proteome Research</i> , 2010, 9, 6774-6785.	3.7	109
35	The metabolic responses to hepatitis B virus infection shed new light on pathogenesis and targets for treatment. <i>Scientific Reports</i> , 2015, 5, 8421.	3.3	109
36	Metabolic Assessment of Human Liver Transplants from Biopsy Samples at the Donor and Recipient Stages Using High-Resolution Magic Angle Spinning <sup>1</sup> H NMR Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 5570-5578.	6.5	102

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37	Revealing the Metabonomic Variation of Rosemary Extracts Using <sup>1</sup> H NMR Spectroscopy and Multivariate Data Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10142-10153.	5.2	99
38	Sensing and Transmitting Intracellular Amino Acid Signals through Reversible Lysine Aminoacylations. <i>Cell Metabolism</i> , 2018, 27, 151-166.e6.	16.2	97
39	Systems Biological Responses to Chronic Perfluorododecanoic Acid Exposure by Integrated Metabonomic and Transcriptomic Studies. <i>Journal of Proteome Research</i> , 2009, 8, 2882-2891.	3.7	95
40	Bio-based green composites with high performance from poly(lactic acid) and surface-modified microcrystalline cellulose. <i>Journal of Materials Chemistry</i> , 2012, 22, 15732.	6.7	93
41	An optimised sample preparation method for NMR-based faecal metabonomic analysis. <i>Analyst</i> , The, 2010, 135, 1023.	3.5	91
42	An Integrated Metabonomic Approach To Describe Temporal Metabolic Disregulation Induced in the Rat by the Model Hepatotoxin Allyl Formate. <i>Journal of Proteome Research</i> , 2006, 5, 2675-2684.	3.7	90
43	FTIR and Solid State <sup>13</sup> C NMR Spectroscopy of Proteins of Wet Cooked and Popped Sorghum and Maize. <i>Journal of Cereal Science</i> , 2001, 33, 261-269.	3.7	88
44	Use of <sup>13</sup> C MAS NMR to Study Domain Structure and Dynamics of Polysaccharides in the Native Starch Granules. <i>Biomacromolecules</i> , 2003, 4, 1269-1276.	5.4	88
45	Statistical Correlation and Projection Methods for Improved Information Recovery from Diffusion-Edited NMR Spectra of Biological Samples. <i>Analytical Chemistry</i> , 2007, 79, 5682-5689.	6.5	87
46	Metabolic Changes Reveal the Development of Schistosomiasis in Mice. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e807.	3.0	87
47	Global Metabolomic Responses of <i>Escherichia coli</i> to Heat Stress. <i>Journal of Proteome Research</i> , 2012, 11, 2559-2566.	3.7	87
48	Functional inactivation of UDP-N-acetylglucosamine pyrophosphorylase 1 (UAP1) induces early leaf senescence and defence responses in rice. <i>Journal of Experimental Botany</i> , 2015, 66, 973-987.	4.8	85
49	Electrospun Polymer Blend Nanofibers for Tunable Drug Delivery: The Role of Transformative Phase Separation on Controlling the Release Rate. <i>Molecular Pharmaceutics</i> , 2016, 13, 25-39.	4.6	84
50	Metabonomic Analysis Reveals the CCl <sub>4</sub> -Induced Systems Alterations for Multiple Rat Organs. <i>Journal of Proteome Research</i> , 2012, 11, 3848-3859.	3.7	78
51	A proton NMR relaxation study of the gelatinisation and acid hydrolysis of native potato starch. <i>Carbohydrate Polymers</i> , 2001, 46, 7-18.	10.2	77
52	Selective metabolic effects of gold nanorods on normal and cancer cells and their application in anticancer drug screening. <i>Biomaterials</i> , 2013, 34, 7117-7126.	11.4	77
53	Dietary Supplementation with L-Arginine Partially Counteracts Serum Metabonome Induced by Weaning Stress in Piglets. <i>Journal of Proteome Research</i> , 2011, 10, 5214-5221.	3.7	76
54	Rapid Diagnosis and Prognosis of <i>de novo</i> Acute Myeloid Leukemia by Serum Metabonomic Analysis. <i>Journal of Proteome Research</i> , 2013, 12, 4393-4401.	3.7	76

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55	Experimental Metabonomic Model of Dietary Variation and Stress Interactions. <i>Journal of Proteome Research</i> , 2006, 5, 1535-1542.	3.7	75
56	Gallic Acid Intake Induces Alterations to Systems Metabolism in Rats. <i>Journal of Proteome Research</i> , 2013, 12, 991-1006.	3.7	75
57	Multivariate Analysis of Integrated and Full-Resolution <sup>1</sup> H-NMR Spectral Data from Complex Pharmaceutical Preparations: St. John's Wort. <i>Planta Medica</i> , 2006, 72, 556-563.	1.3	74
58	Topographical Variation in Metabolic Signatures of Human Gastrointestinal Biopsies Revealed by High-Resolution Magic-Angle Spinning <sup>1</sup> H NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2007, 6, 3944-3951.	3.7	72
59	A vitamin-C-derived DNA modification catalysed by an algal TET homologue. <i>Nature</i> , 2019, 569, 581-585.	27.8	72
60	Ethyl glucoside in human urine following dietary exposure: detection by <sup>1</sup> H NMR spectroscopy as a result of metabonomic screening of humans. <i>Analyst</i> , 2004, 129, 259.	3.5	69
61	Intrauterine growth restriction alters the metabolome of the serum and jejunum in piglets. <i>Molecular BioSystems</i> , 2011, 7, 2147.	2.9	67
62	Deciphering molecular mechanism of silver by integrated omic approaches enables enhancing its antimicrobial efficacy in <i>E. coli</i> . <i>PLoS Biology</i> , 2019, 17, e3000292.	5.6	66
63	Age-Related Topographical Metabolic Signatures for the Rat Gastrointestinal Contents. <i>Journal of Proteome Research</i> , 2012, 11, 1397-1411.	3.7	65
64	Plasma metabolomics identified novel metabolites associated with risk of type 2 diabetes in two prospective cohorts of Chinese adults. <i>International Journal of Epidemiology</i> , 2016, 45, 1507-1516.	1.9	64
65	Systemic Responses of Mice to Dextran Sulfate Sodium-Induced Acute Ulcerative Colitis Using <sup>1</sup> H NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2013, 12, 2958-2966.	3.7	63
66	<i>Fusarium oxysporum</i> mediates systems metabolic reprogramming of chickpea roots as revealed by a combination of proteomics and metabolomics. <i>Plant Biotechnology Journal</i> , 2016, 14, 1589-1603.	8.3	63
67	Biochemical Characterization of Rat Intestine Development Using High-Resolution Magic-Angle-Spinning <sup>1</sup> H NMR Spectroscopy and Multivariate Data Analysis. <i>Journal of Proteome Research</i> , 2005, 4, 1324-1329.	3.7	61
68	Dynamic Metabolic Response of Mice to Acute Mequindox Exposure. <i>Journal of Proteome Research</i> , 2011, 10, 5183-5190.	3.7	59
69	Targeting the Human Genome's Microbiome Axis for Drug Discovery: Inspirations from Global Systems Biology and Traditional Chinese Medicine. <i>Journal of Proteome Research</i> , 2012, 11, 3509-3519.	3.7	57
70	<sup>13</sup> C MAS NMR Studies of the Effects of Hydration on the Cell Walls of Potatoes and Chinese Water Chestnuts. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 510-517.	5.2	56
71	Integrative metabonomics as potential method for diagnosis of thyroid malignancy. <i>Scientific Reports</i> , 2015, 5, 14869.	3.3	56
72	Use of <sup>1</sup> H NMR-determined diffusion coefficients to characterize lipoprotein fractions in human blood plasma. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, S83-S88.	1.9	55

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73	Combined Metabonomic and Quantitative Real-Time PCR Analyses Reveal Systems Metabolic Changes of <i>Fusarium graminearum</i> Induced by <i>Tri5</i> Gene Deletion. <i>Journal of Proteome Research</i> , 2011, 10, 2273-2285.	3.7	55
74	Elevated plasma $\beta$ -hydroxybutyrate predicts adverse outcomes and disease progression in patients with arrhythmogenic cardiomyopathy. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	54
75	Metabonomic Changes Associated with Atherosclerosis Progression for <i>LDLR</i> Mice. <i>Journal of Proteome Research</i> , 2015, 14, 2237-2254.	3.7	53
76	Use of DSC To Detect the Heterogeneity of Hydrothermal Stability in the Polyphenol-Treated Collagen Matrix. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 6652-6656.	5.2	51
77	Magic Angle Spinning NMR and $^1\text{H}$ P Heteronuclear Statistical Total Correlation Spectroscopy of Intact Human Gut Biopsies. <i>Analytical Chemistry</i> , 2008, 80, 1058-1066.	6.5	51
78	Eliminating the dication-induced intersample chemical-shift variations for NMR-based biofluid metabonomic analysis. <i>Analyst</i> , The, 2012, 137, 4209.	3.5	51
79	Metabolic alterations in the hamster co-infected with <i>Schistosoma japonicum</i> and <i>Necator americanus</i> . <i>International Journal for Parasitology</i> , 2010, 40, 695-703.	3.1	48
80	$^{13}\text{C}$ CPMAS studies of plant cell wall materials and model systems using proton relaxation-induced spectral editing techniques. <i>Solid State Nuclear Magnetic Resonance</i> , 2000, 15, 239-248.	2.3	47
81	Patchwork Assembly of <i>nag</i> -Like Nitroarene Dioxygenase Genes and the 3-Chlorocatechol Degradation Cluster for Evolution of the 2-Chloronitrobenzene Catabolism Pathway in <i>Pseudomonas stutzeri</i> ZWLR2-1. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4547-4552.	3.1	46
82	Tissue Metabonomic Phenotyping for Diagnosis and Prognosis of Human Colorectal Cancer. <i>Scientific Reports</i> , 2016, 6, 20790.	3.3	46
83	Itaconic acid exerts anti-inflammatory and antibacterial effects via promoting pentose phosphate pathway to produce ROS. <i>Scientific Reports</i> , 2021, 11, 18173.	3.3	46
84	Streptozotocin-Induced Dynamic Metabonomic Changes in Rat Biofluids. <i>Journal of Proteome Research</i> , 2012, 11, 3423-3435.	3.7	45
85	Simultaneous Quantification of Amino Metabolites in Multiple Metabolic Pathways Using Ultra-High Performance Liquid Chromatography with Tandem-mass Spectrometry. <i>Scientific Reports</i> , 2017, 7, 1423.	3.3	45
86	The thermogenic activity of adjacent adipocytes fuels the progression of ccRCC and compromises anti-tumor therapeutic efficacy. <i>Cell Metabolism</i> , 2021, 33, 2021-2039.e8.	16.2	45
87	Green Tea Polyphenols React with 1,1-Diphenyl-2-picrylhydrazyl Free Radicals in the Bilayer of Liposomes: A Direct Evidence from Electron Spin Resonance Studies. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 5710-5714.	5.2	44
88	The influence of time and conditions of harvest on the functional behaviour of cassava starch: a proton NMR relaxation study. <i>Carbohydrate Polymers</i> , 2003, 53, 233-240.	10.2	42
89	NMR analysis of the rat neurochemical changes induced by middle cerebral artery occlusion. <i>Talanta</i> , 2012, 88, 136-144.	5.5	42
90	Recent developments in sample preparation and data pre-treatment in metabonomics research. <i>Archives of Biochemistry and Biophysics</i> , 2016, 589, 4-9.	3.0	42

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91	miR-378 Activates the Pyruvate-PEP Futile Cycle and Enhances Lipolysis to Ameliorate Obesity in Mice. <i>EBioMedicine</i> , 2016, 5, 93-104.	6.1	41
92	Nanoparticle morphology and film-forming behavior of polyacrylate/ZnO nanocomposite. <i>Composites Science and Technology</i> , 2014, 98, 64-71.	7.8	40
93	The toxicity of acute exposure to T-2 toxin evaluated by the metabonomics technique. <i>Molecular BioSystems</i> , 2015, 11, 882-891.	2.9	40
94	UV-B induced biosynthesis of a novel sunscreen compound in solar radiation and desiccation tolerant cyanobacteria. <i>Environmental Microbiology</i> , 2018, 20, 200-213.	3.8	40
95	Metabolomics Reveals that Dietary Ferulic Acid and Quercetin Modulate Metabolic Homeostasis in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1723-1731.	5.2	39
96	Important roles of the hyphenated HPLC-DAD-MS-SPE-NMR technique in metabonomics. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, S157-62.	1.9	38
97	Developmental Changes for the Hemolymph Metabolome of Silkworm ( <i>Bombyx mori</i> L.). <i>Journal of Proteome Research</i> , 2015, 14, 2331-2347.	3.7	38
98	Multiple Univariate Data Analysis Reveals the Inulin Effects on the High-Fat-Diet Induced Metabolic Alterations in Rat Myocardium and Testicles in the Preobesity State. <i>Journal of Proteome Research</i> , 2013, 12, 3480-3495.	3.7	37
99	An optimized method for NMR-based plant seed metabolomic analysis with maximized polar metabolite extraction efficiency, signal-to-noise ratio, and chemical shift consistency. <i>Analyst</i> , 2014, 139, 1769-1778.	3.5	37
100	Identification of Three Novel Polyphenolic Compounds, Origanine A-C, with Unique Skeleton from <i>Origanum vulgare</i> L. Using the Hyphenated LC-DAD-SPE-NMR/MS Methods. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 129-135.	5.2	36
101	Synthesis and biological response of casein-based silica nano-composite film for drug delivery system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 257-263.	5.0	36
102	Cardiomyocyte-Restricted Low Density Lipoprotein Receptor-Related Protein 6 (LRP6) Deletion Leads to Lethal Dilated Cardiomyopathy Partly Through Drp1 Signaling. <i>Theranostics</i> , 2018, 8, 627-643.	10.0	36
103	Study of metabonomic profiles of human esophageal carcinoma by use of high-resolution magic-angle spinning <sup>1</sup> H NMR spectroscopy and multivariate data analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3381-3389.	3.7	35
104	Metabolic Influence of Acute Cyadox Exposure on Kunming Mice. <i>Journal of Proteome Research</i> , 2013, 12, 537-545.	3.7	35
105	Systemic Metabolic Responses of Broiler Chickens and Piglets to Acute T-2 Toxin Intravenous Exposure. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 714-723.	5.2	34
106	Metabolic Characteristics of 16HBE and A549 Cells Exposed to Different Surface Modified Gold Nanorods. <i>Advanced Healthcare Materials</i> , 2016, 5, 2363-2375.	7.6	33
107	Glucose-mediated proliferation of a gut commensal bacterium promotes Plasmodium infection by increasing mosquito midgut pH. <i>Cell Reports</i> , 2021, 35, 108992.	6.4	31
108	Symbiont-regulated serotonin biosynthesis modulates tick feeding activity. <i>Cell Host and Microbe</i> , 2021, 29, 1545-1557.e4.	11.0	31



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109	Metabolomics and incident dementia in older Chinese adults: The Shanghai Aging Study. <i>Alzheimer's and Dementia</i> , 2020, 16, 779-788.	0.8	30
110	The domain structure and mobility of semi-crystalline poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate): A solid-state NMR study. <i>Polymer</i> , 2007, 48, 2928-2938.	3.8	29
111	Characterization of catabolic meta-nitrophenol nitroreductase from <i>Cupriavidus necator</i> JMP134. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 2077-2085.	3.6	29
112	Interactions between Nafion resin and protonated dodecylamine modified montmorillonite: A solid state NMR study. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 38-44.	9.4	28
113	NMR-based metabonomic analyses of the effects of ultrasmall superparamagnetic particles of iron oxide (USPIO) on macrophage metabolism. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2049-2062.	1.9	28
114	Molecular dynamics in concentrated sugar solutions and glasses: an NMR field cycling study. <i>Molecular Physics</i> , 2001, 99, 1679-1687.	1.7	27
115	Analysis of human urine metabolites using SPE and NMR spectroscopy. <i>Science in China Series B: Chemistry</i> , 2008, 51, 218-225.	0.8	27
116	Metabolic Response to <i>Klebsiella pneumoniae</i> Infection in an Experimental Rat Model. <i>PLoS ONE</i> , 2012, 7, e51060.	2.5	27
117	CYP2J2 overexpression ameliorates hyperlipidemia via increased fatty acid oxidation mediated by the AMPK pathway. <i>Obesity</i> , 2015, 23, 1401-1413.	3.0	26
118	Metabonomic Analysis Reveals Efficient Ameliorating Effects of Acupoint Stimulations on the Menopause-caused Alterations in Mammalian Metabolism. <i>Scientific Reports</i> , 2014, 4, 3641.	3.3	26
119	Decreased glutathione biosynthesis contributes to EGFR T790M-driven erlotinib resistance in non-small cell lung cancer. <i>Cell Discovery</i> , 2016, 2, 16031.	6.7	26
120	Dynamic metabolic responses of brown planthoppers towards susceptible and resistant rice plants. <i>Plant Biotechnology Journal</i> , 2017, 15, 1346-1357.	8.3	26
121	Modulation of Gut Microbiota in Pathological States. <i>Engineering</i> , 2017, 3, 83-89.	6.7	26
122	Insights into contribution of genetic variants towards the susceptibility of MAFLD revealed by the NMR-based lipoprotein profiling. <i>Journal of Hepatology</i> , 2021, 74, 974-977.	3.7	26
123	Drying temperature affects essential oil yield and composition of black cardamom ( <i>Amomum tsao-ko</i> ). <i>Industrial Crops and Products</i> , 2021, 168, 113580.	5.2	25
124	Systems Responses of Rats to Mequindox Revealed by Metabolic and Transcriptomic Profiling. <i>Journal of Proteome Research</i> , 2012, 11, 4712-4721.	3.7	24
125	Combined NMR and GC-MS Analyses Revealed Dynamic Metabolic Changes Associated with the Carrageenan-Induced Rat Pleurisy. <i>Journal of Proteome Research</i> , 2013, 12, 5520-5534.	3.7	23
126	Metabolic Phenotypes Associated with High-Temperature Tolerance of <i>Porphyra haitanensis</i> Strains. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 8356-8363.	5.2	23



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127	Asparagine reinforces mTORC1 signaling to boost thermogenesis and glycolysis in adipose tissues. <i>EMBO Journal</i> , 2021, 40, e108069.	7.8	23
128	Changing Gly311 to an acidic amino acid in the MATE family protein DTX6 enhances Arabidopsis resistance to the dihydropyridine herbicides. <i>Molecular Plant</i> , 2021, 14, 2115-2125.	8.3	22
129	Metabonomic Profiling Revealed an Alteration in Purine Nucleotide Metabolism Associated with Cardiac Hypertrophy in Rats Treated with Thiazolidinediones. <i>Journal of Proteome Research</i> , 2013, 12, 5634-5641.	3.7	21
130	Genotypic and Environmental Effects on the Volatile Chemotype of <i>Valeriana jatamansi</i> Jones. <i>Frontiers in Plant Science</i> , 2018, 9, 1003.	3.6	21
131	Interspecies Developmental Differences in Metabonomic Phenotypes of <i>Lycium ruthenicum</i> and <i>L. barbarum</i> Fruits. <i>Journal of Proteome Research</i> , 2018, 17, 3223-3236.	3.7	21
132	METABONOMIC ASSESSMENT OF TOXICITY OF 4-FLUOROANILINE, 3,5-DIFLUOROANILINE AND 2-FLUORO-4-METHYLANILINE TO THE EARTHWORM <i>EISENIA VENETA</i> (ROSA): IDENTIFICATION OF NEW ENDOGENOUS BIOMARKERS. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1966.	4.3	21
133	Molecular Dynamics of Polycrystalline Cellobiose Studied by Solid-State NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2002, 21, 117-133.	2.3	20
134	Quantitative <sup>13</sup> C Traces of Glucose Fate in Hepatitis B Virus-Infected Hepatocytes. <i>Analytical Chemistry</i> , 2017, 89, 3293-3299.	6.5	20
135	Quantitative analysis of 10 classes of phospholipids by ultrahigh-performance liquid chromatography tandem triple-quadrupole mass spectrometry. <i>Analyst</i> , 2019, 144, 3980-3987.	3.5	20
136	Challenges in Analysis of Hydrophilic Metabolites Using Chromatography Coupled with Mass Spectrometry. <i>Journal of Analysis and Testing</i> , 2020, 4, 140-162.	5.1	20
137	An NMR spectroscopic characterisation of the enzyme-resistant residue from $\alpha$ -amylolysis of an amylose gel. <i>Carbohydrate Polymers</i> , 1995, 27, 255-259.	10.2	19
138	Systemic Responses of BALB/c Mice to <i>Salmonella typhimurium</i> Infection. <i>Journal of Proteome Research</i> , 2014, 13, 4436-4445.	3.7	19
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