

# Yulan Wang

## 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.

165 papers	9,625 citations	57 h-index	94 g-index
168 ext. papers	11,073 ext. citations	6.1 avg, IF	5.8 L-index

#	Paper	IF	Citations
165	Rapid and noninvasive metabonomic characterization of inflammatory bowel disease. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 546-51	5.6	456
164	A top-down systems biology view of microbiome-mammalian metabolic interactions in a mouse model. <i>Molecular Systems Biology</i> , <b>2007</b> , 3, 112	12.2	374
163	High-resolution magic-angle-spinning NMR spectroscopy for metabolic profiling of intact tissues. <i>Nature Protocols</i> , <b>2010</b> , 5, 1019-32	18.8	309
162	Probiotic modulation of symbiotic gut microbial-host metabolic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , <b>2008</b> , 4, 157	12.2	304
161	Colonization-induced host-gut microbial metabolic interaction. <i>MBio</i> , <b>2011</b> , 2, e00271-10	7.8	281
160	Systemic multicompartamental effects of the gut microbiome on mouse metabolic phenotypes. <i>Molecular Systems Biology</i> , <b>2008</b> , 4, 219	12.2	261
159	Metabonomic investigations in mice infected with <i>Schistosoma mansoni</i> : an approach for biomarker identification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 12676-81	11.5	235
158	A metabonomic strategy for the detection of the metabolic effects of chamomile ( <i>Matricaria recutita</i> L.) ingestion. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 191-6	5.7	229
157	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. <i>EBioMedicine</i> , <b>2015</b> , 2, 968-84	8.8	198
156	Top-down systems biology modeling of host metabolite-microbiome associations in obese rodents. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 2361-75	5.6	197
155	Culture-independent analysis of the gut microbiota in colorectal cancer and polyposis. <i>Environmental Microbiology</i> , <b>2008</b> , 10, 789-98	5.2	193
154	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> , <b>2004</b> , 325, 260-72	3.1	186
153	Metabonomic and microbiological analysis of the dynamic effect of vancomycin-induced gut microbiota modification in the mouse. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 3718-28	5.6	185
152	Standardizing the experimental conditions for using urine in NMR-based metabolomic studies with a particular focus on diagnostic studies: a review. <i>Metabolomics</i> , <b>2015</b> , 11, 872-894	4.7	171
151	Multiple parasite infections and their relationship to self-reported morbidity in a community of rural Cte d'Ivoire. <i>International Journal of Epidemiology</i> , <b>2004</b> , 33, 1092-102	7.8	158
150	Species variation in the fecal metabolome gives insight into differential gastrointestinal function. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 352-60	5.6	156
149	Gut microbiota composition modifies fecal metabolic profiles in mice. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 2987-99	5.6	150

148	cMyc-mediated activation of serine biosynthesis pathway is critical for cancer progression under nutrient deprivation conditions. <i>Cell Research</i> , <b>2015</b> , 25, 429-44	24.7	148
147	Metabonomics of human fecal extracts characterize ulcerative colitis, Crohn's disease and healthy individuals. <i>Metabolomics</i> , <b>2015</b> , 11, 122-133	4.7	144
146	Panorganismal gut microbiome-host metabolic crosstalk. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 2090-1056	5.6	137
145	Spectral editing and pattern recognition methods applied to high-resolution magic-angle spinning <sup>1</sup> H nuclear magnetic resonance spectroscopy of liver tissues. <i>Analytical Biochemistry</i> , <b>2003</b> , 323, 26-32	3.1	134
144	Metabonomics in ulcerative colitis: diagnostics, biomarker identification, and insight into the pathophysiology. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 954-62	5.6	127
143	Metabonomic investigations of aging and caloric restriction in a life-long dog study. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 1846-54	5.6	127
142	An optimized buffer system for NMR-based urinary metabonomics with effective pH control, chemical shift consistency and dilution minimization. <i>Analyst, The</i> , <b>2009</b> , 134, 916-25	5	116
141	Human serum metabonomic analysis reveals progression axes for glucose intolerance and insulin resistance statuses. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 5188-95	5.6	112
140	Systems responses of rats to aflatoxin B1 exposure revealed with metabonomic changes in multiple biological matrices. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 614-23	5.6	109
139	Global metabolic responses of mice to <i>Trypanosoma brucei brucei</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 6127-32	11.5	109
138	High-fat diet induces dynamic metabolic alterations in multiple biological matrices of rats. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 3755-68	5.6	106
137	The assessment of plant metabolite profiles by NMR-based methodologies. <i>Planta Medica</i> , <b>2006</b> , 72, 771-85	3.1	106
136	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> , <b>2004</b> , 70, 250-5	3.1	98
135	Systems biological responses to chronic perfluorododecanoic acid exposure by integrated metabonomic and transcriptomic studies. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 2882-91	5.6	88
134	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> , <b>2008</b> , 56, 10142-53	5.7	88
133	Correlations of Fecal Metabonomic and Microbiomic Changes Induced by High-fat Diet in the Pre-Obesity State. <i>Scientific Reports</i> , <b>2016</b> , 6, 21618	4.9	87
132	Top-down systems biology integration of conditional prebiotic modulated transgenomic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , <b>2008</b> , 4, 205	12.2	84
131	Effects of probiotic <i>Lactobacillus paracasei</i> treatment on the host gut tissue metabolic profiles probed via magic-angle-spinning NMR spectroscopy. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 1471-81	5.6	83

130	Metabolome, transcriptome, and bioinformatic cis-element analyses point to HNF-4 as a central regulator of gene expression during enterocyte differentiation. <i>Physiological Genomics</i> , <b>2006</b> , 27, 141-55 <sup>3.6</sup>	83
129	Mass spectrometry-based metabolomics: a guide for annotation, quantification and best reporting practices. <i>Nature Methods</i> , <b>2021</b> , 18, 747-756	21.6 83
128	The metabolic responses to hepatitis B virus infection shed new light on pathogenesis and targets for treatment. <i>Scientific Reports</i> , <b>2015</b> , 5, 8421	4.9 82
127	Structural studies of starches with different water contents. <i>Biopolymers</i> , <b>2002</b> , 64, 268-81	2.2 79
126	An optimised sample preparation method for NMR-based faecal metabonomic analysis. <i>Analyst, The</i> , <b>2010</b> , 135, 1023-30	5 78
125	miR-515-5p controls cancer cell migration through MARK4 regulation. <i>EMBO Reports</i> , <b>2016</b> , 17, 570-84	6.5 72
124	Metabonomic analysis reveals the CCl4-induced systems alterations for multiple rat organs. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 3848-59	5.6 72
123	Transgenomic metabolic interactions in a mouse disease model: interactions of <i>Trichinella spiralis</i> infection with dietary <i>Lactobacillus paracasei</i> supplementation. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 2185-93	5.6 72
122	Selective metabolic effects of gold nanorods on normal and cancer cells and their application in anticancer drug screening. <i>Biomaterials</i> , <b>2013</b> , 34, 7117-26	15.6 71
121	Experimental metabonomic model of dietary variation and stress interactions. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 1535-42	5.6 70
120	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> , <b>2019</b> , 67, 3624-3632	5.7 68
119	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> , <b>2007</b> , 6, 3944-51 <sup>5.6</sup>	67
118	Global metabolic responses of NMRI mice to an experimental <i>Plasmodium berghei</i> infection. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 3948-56	5.6 66
117	Global metabolomic responses of <i>Escherichia coli</i> to heat stress. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 2559-66	5.6 64
116	System level metabolic effects of a <i>Schistosoma japonicum</i> infection in the Syrian hamster. <i>Molecular and Biochemical Parasitology</i> , <b>2006</b> , 146, 1-9	1.9 64
115	Gallic acid intake induces alterations to systems metabolism in rats. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 991-1006	5.6 63
114	Dietary supplementation with l-arginine partially counteracts serum metabonome induced by weaning stress in piglets. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 5214-21	5.6 63
113	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> , <b>2005</b> , 4, 1324-9	5.6 61

112	Prediction of anti-plasmodial activity of Artemisia annua extracts: application of 1H NMR spectroscopy and chemometrics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2004</b> , 35, 117-26	3.5	61
111	Topographical variation in murine intestinal metabolic profiles in relation to microbiome speciation and functional ecological activity. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 3464-74	5.6	59
110	Age-related topographical metabolic signatures for the rat gastrointestinal contents. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 1397-411	5.6	58
109	Systemic responses of mice to dextran sulfate sodium-induced acute ulcerative colitis using 1H NMR spectroscopy. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 2958-66	5.6	58
108	Effect of Carotene and Lycopene on the Risk of Prostate Cancer: A Systematic Review and Dose-Response Meta-Analysis of Observational Studies. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137427	3.7	57
107	Gut microbiome modulates the toxicity of hydrazine: a metabonomic study. <i>Molecular BioSystems</i> , <b>2009</b> , 5, 351-5		57
106	Metabolic profiling of an Echinostoma caproni infection in the mouse for biomarker discovery. <i>PLoS Neglected Tropical Diseases</i> , <b>2008</b> , 2, e254	4.8	55
105	Intrauterine growth restriction alters the metabonome of the serum and jejunum in piglets. <i>Molecular BioSystems</i> , <b>2011</b> , 7, 2147-55		53
104	Metabolic profiling of a Schistosoma mansoni infection in mouse tissues using magic angle spinning-nuclear magnetic resonance spectroscopy. <i>International Journal for Parasitology</i> , <b>2009</b> , 39, 547-58	4.3	50
103	Heteronuclear 19F-1H statistical total correlation spectroscopy as a tool in drug metabolism: study of flucloxacillin biotransformation. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 1073-9	7.8	50
102	Magic angle spinning NMR and 1H-31P heteronuclear statistical total correlation spectroscopy of intact human gut biopsies. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 1058-66	7.8	50
101	Dynamic metabolic response of mice to acute mequindox exposure. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 5183-90	5.6	47
100	Eliminating the dication-induced intersample chemical-shift variations for NMR-based biofluid metabonomic analysis. <i>Analyst</i> , <b>2012</b> , 137, 4209-19	5	45
99	Metabonomic Changes Associated with Atherosclerosis Progression for LDLR(-/-) Mice. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2237-54	5.6	44
98	Metabolic changes reveal the development of schistosomiasis in mice. <i>PLoS Neglected Tropical Diseases</i> , <b>2010</b> , 4, e807	4.8	44
97	13C CPMAS studies of plant cell wall materials and model systems using proton relaxation-induced spectral editing techniques. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2000</b> , 15, 239-48	3.1	44
96	Streptozotocin-induced dynamic metabonomic changes in rat biofluids. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 3423-35	5.6	43
95	Metabolic alterations in the hamster co-infected with Schistosoma japonicum and Necator americanus. <i>International Journal for Parasitology</i> , <b>2010</b> , 40, 695-703	4.3	43

94	Integrative metabolomics as potential method for diagnosis of thyroid malignancy. <i>Scientific Reports</i> , <b>2015</b> , 5, 14869	4.9	42
93	Physicochemical studies of caroubin: a gluten-like protein. <i>Journal of Agricultural and Food Chemistry</i> , <b>2001</b> , 49, 3414-9	5.7	41
92	Simultaneous Quantification of Amino Metabolites in Multiple Metabolic Pathways Using Ultra-High Performance Liquid Chromatography with Tandem-mass Spectrometry. <i>Scientific Reports</i> , <b>2017</b> , 7, 1423	4.9	36
91	Tissue Metabonomic Phenotyping for Diagnosis and Prognosis of Human Colorectal Cancer. <i>Scientific Reports</i> , <b>2016</b> , 6, 20790	4.9	35
90	Important roles of the hyphenated HPLC-DAD-MS-SPE-NMR technique in metabolomics. <i>Magnetic Resonance in Chemistry</i> , <b>2009</b> , 47 Suppl 1, S157-62	2.1	35
89	Recent developments in sample preparation and data pre-treatment in metabolomics research. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 589, 4-9	4.1	34
88	Metabolomics Reveals that Dietary Ferulic Acid and Quercetin Modulate Metabolic Homeostasis in Rats. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 1723-1731	5.7	34
87	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> , <b>2013</b> , 12, 3480-95	5.6	34
86	Deciphering molecular mechanism of silver by integrated omic approaches enables enhancing its antimicrobial efficacy in E. coli. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000292	9.7	33
85	Exploration of the direct metabolic effects of mercury II chloride on the kidney of Sprague-Dawley rats using high-resolution magic angle spinning <sup>1</sup> H NMR spectroscopy of intact tissue and pattern recognition. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 40, 375-81	3.5	33
84	Integrated metabolomic-proteomic analysis of an insect-bacterial symbiotic system. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 1257-67	5.6	32
83	Metabolic influence of acute cyadox exposure on Kunming mice. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 537-45	5.6	31
82	Panorganismal metabolic response modeling of an experimental Echinostoma caproni infection in the mouse. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 3899-911	5.6	31
81	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> , <b>2012</b> , 60, 129-35	5.7	30
80	Developmental Changes for the Hemolymph Metabolome of Silkworm ( <i>Bombyx mori</i> L.). <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2331-47	5.6	29
79	The toxicity of acute exposure to T-2 toxin evaluated by the metabolomics technique. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 882-91		28
78	Systems parasitology: effects of <i>Fasciola hepatica</i> on the neurochemical profile in the rat brain. <i>Molecular Systems Biology</i> , <b>2010</b> , 6, 396	12.2	28
77	Metabonomic analysis reveals efficient ameliorating effects of acupoint stimulations on the menopause-caused alterations in mammalian metabolism. <i>Scientific Reports</i> , <b>2014</b> , 4, 3641	4.9	26

76	Systems metabolic effects of a necator americanus infection in Syrian hamster. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 5442-50	5.6	26
75	Molecular dynamics in concentrated sugar solutions and glasses: an NMR field cycling study. <i>Molecular Physics</i> , <b>2001</b> , 99, 1679-1687	1.7	26
74	Metabolic Characteristics of 16HBE and A549 Cells Exposed to Different Surface Modified Gold Nanorods. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 2363-75	10.1	25
73	Untargeted metabolome quantitative trait locus mapping associates variation in urine glycerate to mutant glycerate kinase. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 631-42	5.6	23
72	Metabolic response to Klebsiella pneumoniae infection in an experimental rat model. <i>PLoS ONE</i> , <b>2012</b> , 7, e51060	3.7	23
71	Self-modeling curve resolution recovery of temporal metabolite signal modulation in NMR spectroscopic data sets: application to a life-long caloric restriction study in dogs. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 4876-85	7.8	23
70	Altered Gut Microbial Metabolites in Amnesic Mild Cognitive Impairment and Alzheimer's Disease: Signals in Host-Microbe Interplay. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	23
69	Metabonomics uncovers a reversible proatherogenic lipid profile during infliximab therapy of inflammatory bowel disease. <i>BMC Medicine</i> , <b>2017</b> , 15, 184	11.4	22
68	Metabolic phenotype modulation by caloric restriction in a lifelong dog study. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 3117-27	5.6	22
67	Combined NMR and GC-MS analyses revealed dynamic metabolic changes associated with the carrageenan-induced rat pleurisy. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 5520-34	5.6	22
66	Advances in metabolic profiling of experimental nematode and trematode infections. <i>Advances in Parasitology</i> , <b>2010</b> , 73, 373-404	3.2	22
65	Modulation of Gut Microbiota in Pathological States. <i>Engineering</i> , <b>2017</b> , 3, 83-89	9.7	21
64	Multi-omics and temporal dynamics profiling reveal disruption of central metabolism in on bismuth treatment. <i>Chemical Science</i> , <b>2018</b> , 9, 7488-7497	9.4	21
63	Integration of transcriptomics and metabonomics: improving diagnostics, biomarker identification and phenotyping in ulcerative colitis. <i>Metabolomics</i> , <b>2014</b> , 10, 280-290	4.7	20
62	Chemometric analysis of biofluids from mice experimentally infected with Schistosoma mansoni. <i>Parasites and Vectors</i> , <b>2011</b> , 4, 179	4	20
61	Systemic Metabolic Responses of Broiler Chickens and Piglets to Acute T-2 Toxin Intravenous Exposure. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 714-23	5.7	19
60	Systems responses of rats to mequindox revealed by metabolic and transcriptomic profiling. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 4712-21	5.6	19
59	Rapid Discovery of the Potential Toxic Compounds in by UHPLC/Q-Orbitrap-MS-Based Metabolomics and Correlation Analysis. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 329	5.6	17



58	Proton NMR relaxation studies of solid L-alaninamide. <i>Chemical Physics Letters</i> , <b>1997</b> , 268, 387-392	2.5	16
57	Dynamic metabolic responses of brown planthoppers towards susceptible and resistant rice plants. <i>Plant Biotechnology Journal</i> , <b>2017</b> , 15, 1346-1357	11.6	15
56	Systemic responses of BALB/c mice to Salmonella typhimurium infection. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 4436-45	5.6	15
55	Gender differences of peripheral plasma and liver metabolic profiling in APP/PS1 transgenic AD mice. <i>Neuroscience</i> , <b>2016</b> , 332, 160-9	3.9	14
54	Reprogramming of Seed Metabolism Facilitates Pre-harvest Sprouting Resistance of Wheat. <i>Scientific Reports</i> , <b>2016</b> , 6, 20593	4.9	14
53	CcpA-mediated enhancement of sugar and amino acid metabolism in <i>Lysinibacillus sphaericus</i> by NMR-based metabolomics. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 4654-61	5.6	14
52	Solid State NMR Studies of the Molecular Motions in the Polycrystalline $\beta$ -Fucopyranose and Methyl $\beta$ -Fucopyranoside. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 12834-12840	3.4	14
51	Topological analysis of metabolic networks integrating co-segregating transcriptomes and metabolomes in type 2 diabetic rat congenic series. <i>Genome Medicine</i> , <b>2016</b> , 8, 101	14.4	14
50	Quantitative C Traces of Glucose Fate in Hepatitis B Virus-Infected Hepatocytes. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3293-3299	7.8	13
49	Assessment of the Biological Effects of a Multifunctional Nano-Drug-Carrier and Its Encapsulated Drugs. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 5193-201	5.6	13
48	Decreased glutathione biosynthesis contributes to EGFR T790M-driven erlotinib resistance in non-small cell lung cancer. <i>Cell Discovery</i> , <b>2016</b> , 2, 16031	22.3	13
47	Application of fast field cycling proton NMR relaxation spectroscopy to a crystalline solid. <i>Chemical Physics Letters</i> , <b>2000</b> , 325, 33-38	2.5	13
46	Quantitative analysis of 10 classes of phospholipids by ultrahigh-performance liquid chromatography tandem triple-quadrupole mass spectrometry. <i>Analyst, The</i> , <b>2019</b> , 144, 3980-3987	5	12
45	Enhanced green fluorescent protein transgenic expression in vivo is not biologically inert. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 3801-8	5.6	12
44	Metabolomics Insights into the Modulatory Effects of Long-Term Low Calorie Intake in Mice. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 2299-308	5.6	11
43	Itaconic acid exerts anti-inflammatory and antibacterial effects via promoting pentose phosphate pathway to produce ROS. <i>Scientific Reports</i> , <b>2021</b> , 11, 18173	4.9	11
42	Integrative transcriptomic and metabolomic molecular profiling of colonic mucosal biopsies indicates a unique molecular phenotype for ulcerative colitis. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 479-90	5.6	10
41	Tumor growth affects the metabolomic phenotypes of multiple mouse non-involved organs in an A549 lung cancer xenograft model. <i>Scientific Reports</i> , <b>2016</b> , 6, 28057	4.9	10



40	(1)H-NMR spectroscopy revealed Mycobacterium tuberculosis caused abnormal serum metabolic profile of cattle. <i>PLoS ONE</i> , <b>2013</b> , 8, e74507	3.7	10
39	A high-performance liquid chromatography and nuclear magnetic resonance spectroscopy-based analysis of commercially available praziquantel tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 45, 263-7	3.5	10
38	Metabonomic investigation of single and multiple strain Trypanosoma brucei brucei infections. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2011</b> , 84, 91-8	3.2	9
37	Salmonella typhimurium Infection Reduces Schistosoma japonicum Worm Burden in Mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 1349	4.9	8
36	Dynamic changes in metabolic profiles of rats subchronically exposed to mequindox. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 2914-22		8
35	Solid state NMR, IR and X-ray diffraction studies of the structure and motion of L-leucinamide. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1997</b> , 899-904		8
34	Targeted Inhibition of Purine Metabolism Is Effective in Suppressing Hepatocellular Carcinoma Progression. <i>Hepatology Communications</i> , <b>2020</b> , 4, 1362-1381	6	8
33	Challenges in Analysis of Hydrophilic Metabolites Using Chromatography Coupled with Mass Spectrometry. <i>Journal of Analysis and Testing</i> , <b>2020</b> , 4, 140-162	3.2	8
32	Short-Term Changes in Retinal Vasculature and Layer Thickness after Phacoemulsification Surgery. <i>Current Eye Research</i> , <b>2020</b> , 45, 31-37	2.9	7
31	Comparative Blood and Urine Metabolomics Analysis of Healthy Elderly and Young Male Singaporeans. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 3264-3275	5.6	6
30	Antagonist of prostaglandin E2 receptor 4 induces metabolic alterations in liver of mice. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 1566-73	5.6	6
29	Metabolomics Signatures of Aging: Recent Advances <b>2021</b> , 12, 646-661		6
28	Culture-independent analysis of the gut microbiota in colorectal cancer and polyposis. <i>Environmental Microbiology</i> , <b>2008</b> , 10, 1382-1382	5.2	5
27	Exploiting the Potential of Metabonomics in Large Population Studies: Three Venues <b>2007</b> , 289-325		5
26	Molecular motions of L-rhamnopyranose and methyl L-rhamnopyranoside in the glassy and crystalline states: A proton NMR study. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 3694-3701	3.6	5
25	Proton NMR relaxation studies of solid tyrosine derivatives and their mixtures with L-leucinamide. <i>Solid State Nuclear Magnetic Resonance</i> , <b>1999</b> , 14, 19-32	3.1	5
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