

# Yulan Wang

## 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.

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	Quantitative structure-retention relationship for reliable metabolite identification and quantification in metabolomics using ion-pair reversed-phase chromatography coupled with tandem mass spectrometry. <i>Talanta</i> , <b>2022</b> , 238, 123059	6.2	3
164	Lipidomic Trajectories Characterize Delayed Mucosal Wound Healing in Quiescent Ulcerative Colitis and Identify Potential Novel Therapeutic Targets.. <i>International Journal of Biological Sciences</i> , <b>2022</b> , 18, 1813-1828	11.2	0
163	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
162	A feasibility study of metabolic phenotyping of dried blood spot specimens in rural Chinese women exposed to household air pollution. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2021</b> , 31, 328-344	6.7	1
161	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
160	Deciphering the correlations between aging and constipation by metabolomics and network pharmacology. <i>Aging</i> , <b>2021</b> , 13, 3798-3818	5.6	3
159	Single Cell Metabolite Detection Using Inertial Microfluidics-Assisted Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 10462-10468	7.8	5
158	Repurposed floxacins targeting RSK4 prevent chemoresistance and metastasis in lung and bladder cancer. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	1
157	Understanding Choline Bioavailability and Utilization: First Step Toward Personalizing Choline Nutrition. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 10774-10789	5.7	1
156	IBD metabonomics predicts phenotype, disease course, and treatment response. <i>EBioMedicine</i> , <b>2021</b> , 71, 103551	8.8	3
155	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
154	Metabolomics Signatures of Aging: Recent Advances <b>2021</b> , 12, 646-661		6
153	RTP: One Effective Platform to Probe Reactive Compound Transformation Products and Its Applications for a Reactive Plasticizer BADGE. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 16034-16043 <sup>10.3</sup>		0
152	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
151	Gender differences in the bile acid profiles of APP/PS1 transgenic AD mice. <i>Brain Research Bulletin</i> , <b>2020</b> , 161, 116-126	3.9	1
150	Development and validation of an improved probabilistic quotient normalization method for LC/MS- and NMR-based metabonomic analysis. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 1827-1830	8.1	1
149	Targeted Inhibition of Purine Metabolism Is Effective in Suppressing Hepatocellular Carcinoma Progression. <i>Hepatology Communications</i> , <b>2020</b> , 4, 1362-1381	6	8

148	Metabonomic Investigation of Biological Effects of a New Vessel Target Protein tTF-pHLIP in a Mouse Model. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 238-247	5.6	4
147	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
146	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
145	Stimulated phospholipid synthesis is key for hepatitis B virus replications. <i>Scientific Reports</i> , <b>2019</b> , 9, 12989	4.9	4
144	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
143	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
142	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
141	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
140	Metabolic Changes of Induced by Gene Deletion. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 3317-3327	5.6	3
139	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
138	Doxorubicin and paclitaxel carried by methoxy poly(ethylene glycol)-poly(lactide-co-glycolide) is superior than traditional drug-delivery methods. <i>Nanomedicine</i> , <b>2018</b> , 13, 913-928	5.6	4
137	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
136	Colon Ascendens Stent Peritonitis (CASP) Induces Excessive Inflammation and Systemic Metabolic Dysfunction in a Septic Rat Model. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 680-688	5.6	3
135	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
134	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
133	Biological effects of amphiphilic copolymer nanoparticle-encapsulated multi-target chemotherapeutic drugs on MCF-7 human breast cancer cells. <i>Metabolomics</i> , <b>2017</b> , 13, 1	4.7	2
132	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
131	Salmonella typhimurium Infection Reduces Schistosoma japonicum Worm Burden in Mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 1349	4.9	8

130	Modulation of Gut Microbiota in Pathological States. <i>Engineering</i> , <b>2017</b> , 3, 83-89	9.7	21
129	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
128	Recent developments in sample preparation and data pre-treatment in metabonomics research. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 589, 4-9	4.1	34
127	miR-515-5p controls cancer cell migration through MARK4 regulation. <i>EMBO Reports</i> , <b>2016</b> , 17, 570-84	6.5	72
126	Tissue Metabonomic Phenotyping for Diagnosis and Prognosis of Human Colorectal Cancer. <i>Scientific Reports</i> , <b>2016</b> , 6, 20790	4.9	35
125	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
124	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
123	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
122	Reprogramming of Seed Metabolism Facilitates Pre-harvest Sprouting Resistance of Wheat. <i>Scientific Reports</i> , <b>2016</b> , 6, 20593	4.9	14
121	Tumor growth affects the metabonomic 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
120	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
119	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
118	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
117	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
116	The toxicity of acute exposure to T-2 toxin evaluated by the metabonomics technique. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 882-91		28
115	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
114	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
113	Roles of Herbal Medicine in Modulating Gut Microbiota Associated with Health and Diseases. <i>Molecular and Integrative Toxicology</i> , <b>2015</b> , 185-197	0.5	

112	Metabonomic Changes Associated with Atherosclerosis Progression for LDLR(-/-) Mice. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2237-54	5.6	44
111	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
110	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
109	Integrative transcriptomic and metabonomic 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
108	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
107	Integrative metabonomics as potential method for diagnosis of thyroid malignancy. <i>Scientific Reports</i> , <b>2015</b> , 5, 14869	4.9	42
106	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
105	NMR-Based Metabolomic Methods and Applications <b>2015</b> , 275-301		
104	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
103	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
102	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
101	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
100	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
99	Dynamic changes in metabolic profiles of rats subchronically exposed to mequindox. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 2914-22		8
98	Systemic responses of BALB/c mice to <i>Salmonella typhimurium</i> infection. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 4436-45	5.6	15
97	Advances in Metabonomics on Infectious Diseases. <i>Current Metabolomics</i> , <b>2014</b> , 1, 318-334	1	
96	Metabonomic Phenotyping for the Gut Microbiota and Mammal Interactions. <i>Advanced Topics in Science and Technology in China</i> , <b>2014</b> , 189-201	0.2	
95	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

94	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
93	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> , <b>2013</b> , 12, 2958-66	5.6	58
92	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
91	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
90	Gut microbiota composition modifies fecal metabolic profiles in mice. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 2987-99	5.6	150
89	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
88	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
87	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
86	Metabolic influence of acute cyadox exposure on Kunming mice. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 537-45	5.6	31
85	( <sup>1</sup> 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
84	Global metabolomic responses of Escherichia coli to heat stress. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 2559-66	5.6	64
83	Eliminating the dication-induced intersample chemical-shift variations for NMR-based biofluid metabolomic analysis. <i>Analyst</i> , <b>2012</b> , 137, 4209-19	5	45
82	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
81	Streptozotocin-induced dynamic metabolomic changes in rat biofluids. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 3423-35	5.6	43
80	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
79	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
78	Identification of three novel polyphenolic compounds, organine 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
77	Metabolomic analysis reveals the CCl <sub>4</sub> -induced systems alterations for multiple rat organs. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 3848-59	5.6	72

76	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
75	Metabolic response to <i>Klebsiella pneumoniae</i> infection in an experimental rat model. <i>PLoS ONE</i> , <b>2012</b> , 7, e51060	3.7	23
74	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
73	Dynamic metabolic response of mice to acute mequindox exposure. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 5183-90	5.6	47
72	Colonization-induced host-gut microbial metabolic interaction. <i>MBio</i> , <b>2011</b> , 2, e00271-10	7.8	281
71	Chemometric analysis of biofluids from mice experimentally infected with <i>Schistosoma mansoni</i> . <i>Parasites and Vectors</i> , <b>2011</b> , 4, 179	4	20
70	Intrauterine growth restriction alters the metabonome of the serum and jejunum in piglets. <i>Molecular BioSystems</i> , <b>2011</b> , 7, 2147-55		53
69	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
68	Metabonomic investigation of single and multiple strain <i>Trypanosoma brucei brucei</i> infections. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2011</b> , 84, 91-8	3.2	9
67	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
66	Metabolic changes reveal the development of schistosomiasis in mice. <i>PLoS Neglected Tropical Diseases</i> , <b>2010</b> , 4, e807	4.8	44
65	Integrated metabonomic-proteomic analysis of an insect-bacterial symbiotic system. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 1257-67	5.6	32
64	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
63	Advances in metabolic profiling of experimental nematode and trematode infections. <i>Advances in Parasitology</i> , <b>2010</b> , 73, 373-404	3.2	22
62	An optimised sample preparation method for NMR-based faecal metabonomic analysis. <i>Analyst</i> , <b>2010</b> , 135, 1023-30	5	78
61	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
60	NMR-Based-Metabolomics Strategy for the Classification and Quality Control of Nutraceuticals and Functional Foods <b>2010</b> , 263-270		
59	Metabolic alterations in the hamster co-infected with <i>Schistosoma japonicum</i> and <i>Necator americanus</i> . <i>International Journal for Parasitology</i> , <b>2010</b> , 40, 695-703	4.3	43



58	Metabolic profiling of a <i>Schistosoma mansoni</i> 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
57	Important roles of the hyphenated HPLC-DAD-MS-SPE-NMR technique in metabonomics. <i>Magnetic Resonance in Chemistry</i> , <b>2009</b> , 47 Suppl 1, S157-62	2.1	35
56	Top-down systems biology modeling of host metabotype-microbiome associations in obese rodents. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 2361-75	5.6	197
55	Panorganismal metabolic response modeling of an experimental <i>Echinostoma caproni</i> infection in the mouse. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 3899-911	5.6	31
54	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
53	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
52	Use of <i>Echinostoma</i> spp. in studies on chemotherapy and metabolic profiling. <b>2009</b> , 295-324		2
51	Systems metabolic effects of a <i>Necator americanus</i> infection in Syrian hamster. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 5442-50	5.6	26
50	Panorganismal gut microbiome-host metabolic crosstalk. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 2090-1056	5.6	137
49	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
48	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
47	Gut microbiome modulates the toxicity of hydrazine: a metabonomic study. <i>Molecular BioSystems</i> , <b>2009</b> , 5, 351-5		57
46	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
45	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
44	Systemic multicompartamental effects of the gut microbiome on mouse metabolic phenotypes. <i>Molecular Systems Biology</i> , <b>2008</b> , 4, 219	12.2	261
43	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
42	Heteronuclear <sup>19</sup> F- <sup>1</sup> H 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
41	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



40	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
39	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
38	Revealing the metabonomic variation of rosemary extracts using 1H NMR spectroscopy and multivariate data analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 10142-53	5.7	88
37	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
36	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
35	Metabolic profiling of an <i>Echinostoma caproni</i> infection in the mouse for biomarker discovery. <i>PLoS Neglected Tropical Diseases</i> , <b>2008</b> , 2, e254	4.8	55
34	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
33	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
32	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
31	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
30	Rapid and noninvasive metabonomic characterization of inflammatory bowel disease. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 546-51	5.6	456
29	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
28	Topographical variation in metabolic signatures of human gastrointestinal biopsies revealed by high-resolution magic-angle spinning 1H NMR spectroscopy. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 3944-51	5.6	67
27	Exploiting the Potential of Metabonomics in Large Population Studies: Three Venues <b>2007</b> , 289-325		5
26	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
25	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
24	The assessment of plant metabolite profiles by NMR-based methodologies. <i>Planta Medica</i> , <b>2006</b> , 72, 771-85	3.1	106
23	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

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