

Huiru Tang

List of Publications by Year in descending order

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218
papers

12,758
citations

18436

62
h-index

30010

103
g-index

224
all docs

224
docs citations

224
times ranked

16878
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 238, 123059.	2.9	11
2	NAFLD-related gene polymorphisms and all-cause and cause-specific mortality in an Asian population: the Shanghai Changfeng Study. <i>Alimentary Pharmacology and Therapeutics</i> , 2022, 55, 705-721.	1.9	17
3	<i>HSD17B12</i> dosage insufficiency induced premature ovarian insufficiency in humans and mice. <i>Clinical and Translational Medicine</i> , 2022, 12, e737.	1.7	0
4	Experimental study on the vitrification and xenotransplantation of human ovarian tissue. <i>Gynecology and Obstetrics Clinical Medicine</i> , 2022, 2, 38-42.	0.2	2
5	Inhibiting 3 β HSD1 to eliminate the oncogenic effects of progesterone in prostate cancer. <i>Cell Reports Medicine</i> , 2022, 3, 100561.	3.3	12
6	Methylene-bridge tryptophan fatty acylation regulates PI3K-AKT signaling and glucose uptake. <i>Cell Reports</i> , 2022, 38, 110509.	2.9	5
7	Anopheline mosquitoes are protected against parasite infection by tryptophan catabolism in gut microbiota. <i>Nature Microbiology</i> , 2022, 7, 707-715.	5.9	18
8	Identification of Veratrum Species in Pimacaco Based on ITS2 Sequences and Steroidal Alkaloids by a Pseudo-Targeted Metabolomics Method. <i>Frontiers in Plant Science</i> , 2022, 13, 831562.	1.7	2
9	A Lipid Signature with Perturbed Triacylglycerol Co-Regulation, Identified from Targeted Lipidomics, Predicts Risk for Type 2 Diabetes and Mediates the Risk from Adiposity in Two Prospective Cohorts of Chinese Adults. <i>Clinical Chemistry</i> , 2022, 68, 1094-1107.	1.5	3
10	Simultaneous quantification of 70 elements in biofluids within 5 min using inductively coupled plasma mass spectrometry to reveal elementomic phenotypes of healthy Chinese adults. <i>Talanta</i> , 2022, 250, 123720.	2.9	3
11	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> , 2021, 31, 328-344.	1.8	6
12	Correlation Analysis of Compounds in Essential Oil of Amomum tsaoko Seed and Fruit Morphological Characteristics, Geographical Conditions, Locality of Growth. <i>Agronomy</i> , 2021, 11, 744.	1.3	11
13	Glucose-mediated proliferation of a gut commensal bacterium promotes Plasmodium infection by increasing mosquito midgut pH. <i>Cell Reports</i> , 2021, 35, 108992.	2.9	31
14	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.	1.8	26
15	Inducible phospholipid transfer protein deficiency ameliorates atherosclerosis. <i>Atherosclerosis</i> , 2021, 324, 9-17.	0.4	8
16	Mass spectrometry-based metabolomics: a guide for annotation, quantification and best reporting practices. <i>Nature Methods</i> , 2021, 18, 747-756.	9.0	403
17	New types of <i>atpG</i> ATP-grasp ligase are associated with the novel pathway for complicated mycosporine-like amino acid production in desiccation-tolerant cyanobacteria. <i>Environmental Microbiology</i> , 2021, 23, 6420-6432.	1.8	9
18	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.	3.9	22

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19	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.	2.5	25
20	Symbiont-regulated serotonin biosynthesis modulates tick feeding activity. <i>Cell Host and Microbe</i> , 2021, 29, 1545-1557.e4.	5.1	31
21	Itaconic acid exerts anti-inflammatory and antibacterial effects via promoting pentose phosphate pathway to produce ROS. <i>Scientific Reports</i> , 2021, 11, 18173.	1.6	46
22	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.	7.2	45
23	Progress and Challenges in Quantifying Carbonyl-Metabolomic Phenomes with LC-MS/MS. <i>Molecules</i> , 2021, 26, 6147.	1.7	7
24	Asparagine reinforces mTORC1 signaling to boost thermogenesis and glycolysis in adipose tissues. <i>EMBO Journal</i> , 2021, 40, e108069.	3.5	23
25	Metabonomic Investigation of Biological Effects of a New Vessel Target Protein tTF-pHLIP in a Mouse Model. <i>Journal of Proteome Research</i> , 2020, 19, 238-247.	1.8	7
26	Cardiac-specific LRP6 knockout induces lipid accumulation through Drp1/CPT1b pathway in adult mice. <i>Cell and Tissue Research</i> , 2020, 380, 143-153.	1.5	8
27	Development and validation of an improved probabilistic quotient normalization method for LC/MS- and NMR-based metabonomic analysis. <i>Chinese Chemical Letters</i> , 2020, 31, 1827-1830.	4.8	8
28	Simultaneous Quantification of Five Stereoisomeric Hexoses in Nine Biological Matrices Using Ultrahigh Performance Liquid Chromatography with Tandem Mass Spectrometry. <i>Journal of Analysis and Testing</i> , 2020, 4, 249-256.	2.5	10
29	Blood molecular markers associated with COVID-19 immunopathology and multi-organ damage. <i>EMBO Journal</i> , 2020, 39, e105896.	3.5	123
30	Quantitative Metabonomic Analysis Reveals the Germination-Associated Dynamic and Systemic Biochemical Changes for Mung-Bean (<i>Vigna radiata</i>) Seeds. <i>Journal of Proteome Research</i> , 2020, 19, 2457-2470.	1.8	7
31	Quantitative Metabonomic Phenotypes in Different Structures of Mung Bean (<i>Vigna radiata</i>) Seeds and Their Germination-Associated Dynamic Changes. <i>Journal of Proteome Research</i> , 2020, 19, 3352-3363.	1.8	6
32	Elevated plasma β -hydroxybutyrate predicts adverse outcomes and disease progression in patients with arrhythmogenic cardiomyopathy. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	54
33	Metabolomics and incident dementia in older Chinese adults: The Shanghai Aging Study. <i>Alzheimer's and Dementia</i> , 2020, 16, 779-788.	0.4	30
34	Challenges in Analysis of Hydrophilic Metabolites Using Chromatography Coupled with Mass Spectrometry. <i>Journal of Analysis and Testing</i> , 2020, 4, 140-162.	2.5	20
35	Gender differences in the bile acid profiles of APP/PS1 transgenic AD mice. <i>Brain Research Bulletin</i> , 2020, 161, 116-126.	1.4	9
36	Quantitative determination of circulating L-carnitine and its derivatives contributes to Heart failure diagnosis, etiology discrimination and clinical prognosis prediction. <i>European Heart Journal</i> , 2020, 41, .	1.0	0

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37	Metabolic Changes of <i>Fusarium graminearum</i> Induced by <i>TPS</i> Gene Deletion. Journal of Proteome Research, 2019, 18, 3317-3327.	1.8	9
38	Deciphering molecular mechanism of silver by integrated omic approaches enables enhancing its antimicrobial efficacy in <i>E. coli</i> . PLoS Biology, 2019, 17, e3000292.	2.6	66
39	Quantitative analysis of 10 classes of phospholipids by ultrahigh-performance liquid chromatography tandem triple-quadrupole mass spectrometry. Analyst, The, 2019, 144, 3980-3987.	1.7	20
40	A vitamin-C-derived DNA modification catalysed by an algal TET homologue. Nature, 2019, 569, 581-585.	13.7	72
41	Alterations of Bile Acids and Gut Microbiota in Obesity Induced by High Fat Diet in Rat Model. Journal of Agricultural and Food Chemistry, 2019, 67, 3624-3632.	2.4	159
42	Metabolomics Reveals that Dietary Ferulic Acid and Quercetin Modulate Metabolic Homeostasis in Rats. Journal of Agricultural and Food Chemistry, 2018, 66, 1723-1731.	2.4	39
43	Doxorubicin and paclitaxel carried by methoxy poly(ethylene glycol)-poly(lactide-co-glycolide) is superior than traditional drug-delivery methods. Nanomedicine, 2018, 13, 913-928.	1.7	5
44	Discovery of a non-stereoselective cytochrome P450 catalyzing either 8 β - or 8 α -hydroxylation of germacrene A acid from the Chinese medicinal plant, <i>Inula hupehensis</i> . Plant Journal, 2018, 93, 92-106.	2.8	14
45	UV-B induced biosynthesis of a novel sunscreen compound in solar radiation and desiccation tolerant cyanobacteria. Environmental Microbiology, 2018, 20, 200-213.	1.8	40
46	Sensing and Transmitting Intracellular Amino Acid Signals through Reversible Lysine Aminoacylations. Cell Metabolism, 2018, 27, 151-166.e6.	7.2	97
47	Colon Ascendens Stent Peritonitis (CASP) Induces Excessive Inflammation and Systemic Metabolic Dysfunction in a Septic Rat Model. Journal of Proteome Research, 2018, 17, 680-688.	1.8	5
48	Resistance to tyrosine kinase-targeted therapy in lung cancer: Autophagy and metabolic changes. Meta Gene, 2018, 17, S10.	0.3	0
49	The Vitamin K Epoxide Reductase <i>Vkorc1l1</i> Promotes Preadipocyte Differentiation in Mice. Obesity, 2018, 26, 1303-1311.	1.5	9
50	Genotypic and Environmental Effects on the Volatile Chemotype of <i>Valeriana jatamansi</i> Jones. Frontiers in Plant Science, 2018, 9, 1003.	1.7	21
51	Cardiomyocyte-Restricted Low Density Lipoprotein Receptor-Related Protein 6 (LRP6) Deletion Leads to Lethal Dilated Cardiomyopathy Partly Through Drp1 Signaling. Theranostics, 2018, 8, 627-643.	4.6	36
52	Interspecies Developmental Differences in Metabonomic Phenotypes of <i>Lycium ruthenicum</i> and <i>L. barbarum</i> Fruits. Journal of Proteome Research, 2018, 17, 3223-3236.	1.8	21
53	Quantitative ¹³ C Traces of Glucose Fate in Hepatitis B Virus-Infected Hepatocytes. Analytical Chemistry, 2017, 89, 3293-3299.	3.2	20
54	Dynamic metabolic responses of brown planthoppers towards susceptible and resistant rice plants. Plant Biotechnology Journal, 2017, 15, 1346-1357.	4.1	26

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55	Biological effects of amphiphilic copolymer nanoparticle-encapsulated multi-target chemotherapeutic drugs on MCF-7 human breast cancer cells. <i>Metabolomics</i> , 2017, 13, 1.	1.4	5
56	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.	1.6	45
57	<i>Salmonella typhimurium</i> Infection Reduces <i>Schistosoma japonicum</i> Worm Burden in Mice. <i>Scientific Reports</i> , 2017, 7, 1349.	1.6	13
58	Modulation of Gut Microbiota in Pathological States. <i>Engineering</i> , 2017, 3, 83-89.	3.2	26
59	Combined Metabonomic and Quantitative RT-PCR Analyses Revealed Metabolic Reprogramming Associated with <i>Fusarium graminearum</i> Resistance in Transgenic <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2177.	1.7	16
60	<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.	4.1	63
61	miR-378 Activates the Pyruvate-PEP Futile Cycle and Enhances Lipolysis to Ameliorate Obesity in Mice. <i>EBioMedicine</i> , 2016, 5, 93-104.	2.7	41
62	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.	0.9	64
63	Tissue Metabonomic Phenotyping for Diagnosis and Prognosis of Human Colorectal Cancer. <i>Scientific Reports</i> , 2016, 6, 20790.	1.6	46
64	Gender differences of peripheral plasma and liver metabolic profiling in APP/PS1 transgenic AD mice. <i>Neuroscience</i> , 2016, 332, 160-169.	1.1	16
65	Metabolic Characteristics of 16HBE and A549 Cells Exposed to Different Surface Modified Gold Nanorods. <i>Advanced Healthcare Materials</i> , 2016, 5, 2363-2375.	3.9	33
66	Decreased glutathione biosynthesis contributes to EGFR T790M-driven erlotinib resistance in non-small cell lung cancer. <i>Cell Discovery</i> , 2016, 2, 16031.	3.1	26
67	Reprogramming of Seed Metabolism Facilitates Pre-harvest Sprouting Resistance of Wheat. <i>Scientific Reports</i> , 2016, 6, 20593.	1.6	19
68	Tumor growth affects the metabonomic phenotypes of multiple mouse non-involved organs in an A549 lung cancer xenograft model. <i>Scientific Reports</i> , 2016, 6, 28057.	1.6	10
69	Correlations of Fecal Metabonomic and Microbiomic Changes Induced by High-fat Diet in the Pre-Obesity State. <i>Scientific Reports</i> , 2016, 6, 21618.	1.6	131
70	Control of the interparticle spacing in superparamagnetic iron oxide nanoparticle clusters by surface ligand engineering. <i>Chinese Physics B</i> , 2016, 25, 077504.	0.7	4
71	Metabolomics Insights into the Modulatory Effects of Long-Term Low Calorie Intake in Mice. <i>Journal of Proteome Research</i> , 2016, 15, 2299-2308.	1.8	14
72	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.	2.4	34

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73	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.	2.3	84
74	Recent developments in sample preparation and data pre-treatment in metabonomics research. <i>Archives of Biochemistry and Biophysics</i> , 2016, 589, 4-9.	1.4	42
75	Integrative metabonomics as potential method for diagnosis of thyroid malignancy. <i>Scientific Reports</i> , 2015, 5, 14869.	1.6	56
76	CYP2J2 overexpression ameliorates hyperlipidemia via increased fatty acid oxidation mediated by the AMPK pathway. <i>Obesity</i> , 2015, 23, 1401-1413.	1.5	26
77	NMR Based Cerebrum Metabonomic Analysis Reveals Simultaneous Interconnected Changes during Chick Embryo Incubation. <i>PLoS ONE</i> , 2015, 10, e0139948.	1.1	3
78	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.	2.4	85
79	The metabolic responses to hepatitis B virus infection shed new light on pathogenesis and targets for treatment. <i>Scientific Reports</i> , 2015, 5, 8421.	1.6	109
80	Antagonist of Prostaglandin E ₂ Receptor 4 Induces Metabolic Alterations in Liver of Mice. <i>Journal of Proteome Research</i> , 2015, 14, 1566-1573.	1.8	7
81	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
82	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. <i>EBioMedicine</i> , 2015, 2, 968-984.	2.7	306
83	cMyc-mediated activation of serine biosynthesis pathway is critical for cancer progression under nutrient deprivation conditions. <i>Cell Research</i> , 2015, 25, 429-444.	5.7	228
84	Roles of Herbal Medicine in Modulating Gut Microbiota Associated with Health and Diseases. <i>Molecular and Integrative Toxicology</i> , 2015, , 185-197.	0.5	0
85	Metabonomic Changes Associated with Atherosclerosis Progression for <i>LDLR</i> Mice. <i>Journal of Proteome Research</i> , 2015, 14, 2237-2254.	1.8	53
86	Developmental Changes for the Hemolymph Metabolome of Silkworm (<i>Bombyx mori</i> L.). <i>Journal of Proteome Research</i> , 2015, 14, 2331-2347.	1.8	38
87	Assessment of the Biological Effects of a Multifunctional Nano-Drug-Carrier and Its Encapsulated Drugs. <i>Journal of Proteome Research</i> , 2015, 14, 5193-5201.	1.8	15
88	Advances in Metabonomics on Infectious Diseases. <i>Current Metabolomics</i> , 2014, 1, 318-334.	0.5	1
89	Metabonomic Phenotyping for the Gut Microbiota and Mammal Interactions. <i>Advanced Topics in Science and Technology in China</i> , 2014, , 189-201.	0.0	0
90	Nanoparticle morphology and film-forming behavior of polyacrylate/ZnO nanocomposite. <i>Composites Science and Technology</i> , 2014, 98, 64-71.	3.8	40

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91	Dynamic changes in metabolic profiles of rats subchronically exposed to mequindox. <i>Molecular BioSystems</i> , 2014, 10, 2914-2922.	2.9	8
92	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> , The, 2014, 139, 1769-1778.	1.7	37
93	Polyacrylate/Surface-Modified ZnO Nanocomposite as Film-Forming Agent for Leather Finishing. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 809-814.	1.8	18
94	Systemic Responses of BALB/c Mice to <i>Salmonella typhimurium</i> Infection. <i>Journal of Proteome Research</i> , 2014, 13, 4436-4445.	1.8	19
95	Metabonomic Analysis Reveals Efficient Ameliorating Effects of Acupoint Stimulations on the Menopause-caused Alterations in Mammalian Metabolism. <i>Scientific Reports</i> , 2014, 4, 3641.	1.6	26
96	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.	2.5	36
97	A high-capacity lithium-air battery with Pd modified carbon nanotube sponge cathode working in regular air. <i>Carbon</i> , 2013, 62, 288-295.	5.4	116
98	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.	1.8	21
99	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.	1.8	76
100	Gallic Acid Intake Induces Alterations to Systems Metabolism in Rats. <i>Journal of Proteome Research</i> , 2013, 12, 991-1006.	1.8	75
101	Study of metabonomic profiles of human esophageal carcinoma by use of high-resolution magic-angle spinning ¹ H NMR spectroscopy and multivariate data analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3381-3389.	1.9	35
102	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.	1.8	37
103	Systemic Responses of Mice to Dextran Sulfate Sodium-Induced Acute Ulcerative Colitis Using ¹ H NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2013, 12, 2958-2966.	1.8	63
104	Nano-cellulose 3D-networks as controlled-release drug carriers. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2976.	2.9	135
105	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.	5.7	77
106	Gut Microbiota Composition Modifies Fecal Metabolic Profiles in Mice. <i>Journal of Proteome Research</i> , 2013, 12, 2987-2999.	1.8	196
107	High-Fat Diet Induces Dynamic Metabolic Alterations in Multiple Biological Matrices of Rats. <i>Journal of Proteome Research</i> , 2013, 12, 3755-3768.	1.8	130
108	Enhanced Green Fluorescent Protein Transgenic Expression <i>In Vivo</i> Is Not Biologically Inert. <i>Journal of Proteome Research</i> , 2013, 12, 3801-3808.	1.8	13

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109	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.	1.8	23
110	Metabolic Influence of Acute Cyadox Exposure on Kunming Mice. <i>Journal of Proteome Research</i> , 2013, 12, 537-545.	1.8	35
111	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.	2.4	23
112	Identifying Three Ecological Chemotypes of <i>Xanthium strumarium</i> Glandular Trichomes Using a Combined NMR and LC-MS Method. <i>PLoS ONE</i> , 2013, 8, e76621.	1.1	18
113	OnpA, an Unusual Flavin-Dependent Monooxygenase Containing a Cytochrome <i>b₅</i> Domain. <i>Journal of Bacteriology</i> , 2012, 194, 1342-1349.	1.0	8
114	Global Metabolomic Responses of <i>Escherichia coli</i> to Heat Stress. <i>Journal of Proteome Research</i> , 2012, 11, 2559-2566.	1.8	87
115	Eliminating the dication-induced intersample chemical-shift variations for NMR-based biofluid metabolomic analysis. <i>Analyst</i> , 2012, 137, 4209.	1.7	51
116	Solid-State NMR Analyses Reveal the Structure Dependence of the Molecular Dynamics for γ -Amino Acids. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2096-2103.	1.2	0
117	Streptozotocin-Induced Dynamic Metabolomic Changes in Rat Biofluids. <i>Journal of Proteome Research</i> , 2012, 11, 3423-3435.	1.8	45
118	Systems Responses of Rats to Mequindox Revealed by Metabolic and Transcriptomic Profiling. <i>Journal of Proteome Research</i> , 2012, 11, 4712-4721.	1.8	24
119	Comprehensive Solid-State NMR Analysis Reveals the Effects of N-Methylation on the Molecular Dynamics of Glycine. <i>Journal of Physical Chemistry B</i> , 2012, 116, 136-146.	1.2	8
120	Age-Related Topographical Metabolic Signatures for the Rat Gastrointestinal Contents. <i>Journal of Proteome Research</i> , 2012, 11, 1397-1411.	1.8	65
121	NMR analysis of the rat neurochemical changes induced by middle cerebral artery occlusion. <i>Talanta</i> , 2012, 88, 136-144.	2.9	42
122	Targeting the Human Genome-Microbiome Axis for Drug Discovery: Inspirations from Global Systems Biology and Traditional Chinese Medicine. <i>Journal of Proteome Research</i> , 2012, 11, 3509-3519.	1.8	57
123	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
124	Survey of nutrients and quality assessment of crab paste by ¹ H NMR spectroscopy and multivariate data analysis. <i>Science Bulletin</i> , 2012, 57, 3353-3362.	1.7	13
125	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.	2.4	36
126	Metabolomic Analysis Reveals the CCl ₄ -Induced Systems Alterations for Multiple Rat Organs. <i>Journal of Proteome Research</i> , 2012, 11, 3848-3859.	1.8	78

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127	Metabolic Response to <i>Klebsiella pneumoniae</i> Infection in an Experimental Rat Model. PLoS ONE, 2012, 7, e51060.	1.1	27
128	Comparison of serum metabolite compositions between obese and lean growing pigs using an NMR-based metabolomic approach. Journal of Nutritional Biochemistry, 2012, 23, 133-139.	1.9	114
129	Intrauterine growth restriction alters the metabolome of the serum and jejunum in piglets. Molecular BioSystems, 2011, 7, 2147.	2.9	67
130	Understanding the Molecular Dynamics Associated with Polymorphic Transitions of <i>dl</i> -Norvaline with Solid-State NMR Methods. Journal of Physical Chemistry B, 2011, 115, 2814-2823.	1.2	16
131	Systems Responses of Rats to Aflatoxin B1 Exposure Revealed with Metabonomic Changes in Multiple Biological Matrices. Journal of Proteome Research, 2011, 10, 614-623.	1.8	133
132	Nuclear Magnetic Resonance for Analysis of Metabolite Composition of <i>Escherichia Coli</i> . Chinese Journal of Analytical Chemistry, 2011, 39, 1186-1194.	0.9	10
133	Dynamic Metabonomic Responses of Tobacco (<i>Nicotiana tabacum</i>) Plants to Salt Stress. Journal of Proteome Research, 2011, 10, 1904-1914.	1.8	195
134	Combined Metabonomic and Quantitative Real-Time PCR Analyses Reveal Systems Metabolic Changes of <i>Fusarium graminearum</i> Induced by <i>Tri5</i> Gene Deletion. Journal of Proteome Research, 2011, 10, 2273-2285.	1.8	55
135	Dietary Supplementation with <i>l</i> -Arginine Partially Counteracts Serum Metabonome Induced by Weaning Stress in Piglets. Journal of Proteome Research, 2011, 10, 5214-5221.	1.8	76
136	Dynamic Metabolic Response of Mice to Acute Mequindox Exposure. Journal of Proteome Research, 2011, 10, 5183-5190.	1.8	59
137	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. Applied and Environmental Microbiology, 2011, 77, 4547-4552.	1.4	46
138	NMR-based metabolomic analyses of the effects of ultrasmall superparamagnetic particles of iron oxide (USPIO) on macrophage metabolism. Journal of Nanoparticle Research, 2011, 13, 2049-2062.	0.8	28
139	Grade classification of neuroepithelial tumors using high-resolution magic-angle spinning proton nuclear magnetic resonance spectroscopy and pattern recognition. Science China Life Sciences, 2011, 54, 606-616.	2.3	13
140	NMR-Based-Metabolomics Strategy for the Classification and Quality Control of Nutraceuticals and Functional Foods. , 2010, , 263-270.		0
141	Characterization of catabolic meta-nitrophenol nitroreductase from <i>Cupriavidus necator</i> JMP134. Applied Microbiology and Biotechnology, 2010, 87, 2077-2085.	1.7	29
142	Metabolic alterations in the hamster co-infected with <i>Schistosoma japonicum</i> and <i>Necator americanus</i> . International Journal for Parasitology, 2010, 40, 695-703.	1.3	48
143	Metabolic Changes Reveal the Development of Schistosomiasis in Mice. PLoS Neglected Tropical Diseases, 2010, 4, e807.	1.3	87
144	Metabonomics in Ulcerative Colitis: Diagnostics, Biomarker Identification, And Insight into the Pathophysiology. Journal of Proteome Research, 2010, 9, 954-962.	1.8	141

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145	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.	1.8	109
146	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.	1.8	121
147	Combined NMR and LC-DAD-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.	1.8	130
148	An optimised sample preparation method for NMR-based faecal metabonomic analysis. <i>Analyst</i> , The, 2010, 135, 1023.	1.7	91
149	Important roles of the hyphenated HPLC-DAD-MS-SPE-NMR technique in metabonomics. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, S157-62.	1.1	38
150	Metabolomic analysis of the response of growing pigs to dietary l-arginine supplementation. <i>Amino Acids</i> , 2009, 37, 199-208.	1.2	158
151	Human Serum Metabonomic Analysis Reveals Progression Axes for Glucose Intolerance and Insulin Resistance Statuses. <i>Journal of Proteome Research</i> , 2009, 8, 5188-5195.	1.8	127
152	Variations of Water Uptake, Lipid Consumption, and Dynamics during the Germination of <i>Sesamum indicum</i> Seed: A Nuclear Magnetic Resonance Spectroscopic Investigation. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8213-8219.	2.4	10
153	Systems Biological Responses to Chronic Perfluorododecanoic Acid Exposure by Integrated Metabonomic and Transcriptomic Studies. <i>Journal of Proteome Research</i> , 2009, 8, 2882-2891.	1.8	95
154	An optimized buffer system for NMR-based urinary metabonomics with effective pH control, chemical shift consistency and dilution minimization. <i>Analyst</i> , The, 2009, 134, 916.	1.7	127
155	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
156	Revealing the Metabonomic Variation of Rosemary Extracts Using ¹ H NMR Spectroscopy and Multivariate Data Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10142-10153.	2.4	99
157	Magic Angle Spinning NMR and ¹ H- ³¹ P Heteronuclear Statistical Total Correlation Spectroscopy of Intact Human Gut Biopsies. <i>Analytical Chemistry</i> , 2008, 80, 1058-1066.	3.2	51
158	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.	3.3	994
159	Topographical Variation in Metabolic Signatures of Human Gastrointestinal Biopsies Revealed by High-Resolution Magic-Angle Spinning ¹ H NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2007, 6, 3944-3951.	1.8	72
160	A top-down systems biology view of microbiome-mammalian metabolic interactions in a mouse model. <i>Molecular Systems Biology</i> , 2007, 3, 112.	3.2	420
161	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.	3.2	87
162	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.	3.2	118

#	ARTICLE	IF	CITATIONS
163	Metabonomic Studies of Human Hepatocellular Carcinoma Using High-Resolution Magic-Angle Spinning ¹ H NMR Spectroscopy in Conjunction with Multivariate Data Analysis. <i>Journal of Proteome Research</i> , 2007, 6, 2605-2614.	1.8	229
164	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.	5.0	28
165	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.	1.8	29
166	Structure-based drug design: NMR-based approach for ligand-protein interactions. <i>Drug Discovery Today: Technologies</i> , 2006, 3, 241-245.	4.0	6
167	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.	1.8	90
168	Experimental Metabonomic Model of Dietary Variation and Stress Interactions. <i>Journal of Proteome Research</i> , 2006, 5, 1535-1542.	1.8	75
169	Structure-activity relationship analysis of antioxidant ability and neuroprotective effect of gallic acid derivatives. <i>Neurochemistry International</i> , 2006, 48, 263-274.	1.9	390
170	Quantitative urinalysis of the mercapturic acid conjugates of allyl formate using high-resolution NMR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 410-416.	1.4	9
171	The Assessment of Plant Metabolite Profiles by NMR-Based Methodologies. <i>Planta Medica</i> , 2006, 72, 771-785.	0.7	113
172	Multivariate Analysis of Integrated and Full-Resolution ¹ H-NMR Spectral Data from Complex Pharmaceutical Preparations: St. John's Wort. <i>Planta Medica</i> , 2006, 72, 556-563.	0.7	74
173	A Metabonomic Strategy for the Detection of the Metabolic Effects of Chamomile (<i>Matricaria</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.48	243
174	Biochemical Characterization of Rat Intestine Development Using High-Resolution Magic-Angle-Spinning ¹ H NMR Spectroscopy and Multivariate Data Analysis. <i>Journal of Proteome Research</i> , 2005, 4, 1324-1329.	1.8	61
175	Metabolic Assessment of Human Liver Transplants from Biopsy Samples at the Donor and Recipient Stages Using High-Resolution Magic Angle Spinning ¹ H NMR Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 5570-5578.	3.2	102
176	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.	2.8	198
177	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.	1.1	212
178	Ethyl glucoside in human urine following dietary exposure: detection by ¹ H NMR spectroscopy as a result of metabonomic screening of humans. <i>Analyst</i> , The, 2004, 129, 259.	1.7	69
179	Molecular motions of β -D-glucopyranose and methyl β -D-glucopyranoside in the glassy and crystalline states: A proton NMR study. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3694-3701.	1.3	5
180	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.	0.7	112

#	ARTICLE	IF	CITATIONS
181	Probing Molecular Dynamics in Chromatographic Systems Using High-Resolution ^1H Magic-Angle-Spinning NMR Spectroscopy: A Interaction between <i>p</i> -Xylene and C18-Bonded Silica. <i>Analytical Chemistry</i> , 2004, 76, 3023-3028.	3.2	13
182	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.	1.1	144
183	Structure-activity relationships in the hydrophobic interactions of polyphenols with cellulose and collagen. <i>Biopolymers</i> , 2003, 70, 403-413.	1.2	145
184	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.	5.1	42
185	Use of ^{13}C MAS NMR to Study Domain Structure and Dynamics of Polysaccharides in the Native Starch Granules. <i>Biomacromolecules</i> , 2003, 4, 1269-1276.	2.6	88
186	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.	2.4	51
187	Solid State NMR Studies of the Molecular Motions in the Polycrystalline α -D-Glucopyranose and Methyl α -D-Glucopyranoside. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12834-12840.	1.2	16
188	Use of ^1H NMR-determined diffusion coefficients to characterize lipoprotein fractions in human blood plasma. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, S83-S88.	1.1	55
189	Molecular Dynamics of Polycrystalline Cellobiose Studied by Solid-State NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2002, 21, 117-133.	1.5	20
190	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.	2.2	110
191	EPR study of the toxicological effects of gas-phase cigarette smoke and the protective effects of grape seed extract on the mitochondrial membrane. <i>Applied Magnetic Resonance</i> , 2002, 22, 497-511.	0.6	3
192	METABONOMIC ASSESSMENT OF TOXICITY OF 4-FLUOROANILINE, 3,5-DIFLUOROANILINE AND 2-FLUORO-4-METHYLANILINE TO THE EARTHWORM EISENIA VENETA (ROSA): IDENTIFICATION OF NEW ENDOGENOUS BIOMARKERS. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1966.	2.2	21
193	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, 1966-72.	2.2	16
194	NMR diffusometry of oil-in-water emulsions. <i>Magnetic Resonance Imaging</i> , 2001, 19, 449-451.	1.0	13
195	A proton NMR relaxation study of the gelatinisation and acid hydrolysis of native potato starch. <i>Carbohydrate Polymers</i> , 2001, 46, 7-18.	5.1	77
196	Recovery of Underwater Resonances by Magnetization Transferred NMR Spectroscopy (RECUR-NMR). <i>Journal of Magnetic Resonance</i> , 2001, 153, 133-137.	1.2	18
197	Solid state NMR and X-ray diffraction studies of α -D-galacturonic acid monohydrate. <i>Carbohydrate Research</i> , 2001, 330, 391-399.	1.1	18
198	FTIR and Solid State ^{13}C NMR Spectroscopy of Proteins of Wet Cooked and Popped Sorghum and Maize. <i>Journal of Cereal Science</i> , 2001, 33, 261-269.	1.8	88

#	ARTICLE	IF	CITATIONS
199	Toxicologic damage of gas phase cigarette smoke on cells and the protective effect of green tea polyphenols. <i>Research on Chemical Intermediates</i> , 2001, 27, 269-279.	1.3	6
200	Molecular dynamics in concentrated sugar solutions and glasses: an NMR field cycling study. <i>Molecular Physics</i> , 2001, 99, 1679-1687.	0.8	27
201	Anomalous proton NMR relaxation behavior of cell wall materials from Chinese water chestnuts. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 765-770.	1.1	11
202	The distribution of water in native starch granules—a multinuclear NMR study. <i>Carbohydrate Polymers</i> , 2000, 43, 375-387.	5.1	175
203	¹³ 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.	1.5	47
204	The ESR study on the protective effect of grape seed extract on rat heart mitochondria from the injury of lipid peroxidation. <i>Research on Chemical Intermediates</i> , 2000, 26, 817-828.	1.3	2
205	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.	2.4	44
206	Proton NMR relaxation studies of solid tyrosine derivatives and their mixtures with L-leucinamide. <i>Solid State Nuclear Magnetic Resonance</i> , 1999, 14, 19-32.	1.5	5
207	Solid state ¹ H NMR studies of cell wall materials of potatoes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1999, 55, 883-894.	2.0	12
208	¹³ 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.	2.4	56
209	Proton Relaxation in Plant Cell Walls and Model Systems. , 1999, , 166-184.		4
210	Molecular motions of d- ¹⁴ C-galacturonic acid (GA) and methyl-d- ¹⁴ C-galacturonic acid methyl ester (MGAM) in the solid state-A proton NMR study. <i>Solid State Nuclear Magnetic Resonance</i> , 1998, 12, 21-30.	1.5	14
211	NMR oxygen-17 studies of the state of water in a saturated sucrose solution. <i>Journal of Molecular Liquids</i> , 1998, 75, 45-59.	2.3	8
212	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> , 1997, , 899-904.	0.9	8
213	Dephytinisation of wheat bran and the consequences for fibre matrix non-starch polysaccharides. <i>Food Chemistry</i> , 1997, 58, 5-12.	4.2	10
214	Proton NMR relaxation studies of solid L-alaninamide. <i>Chemical Physics Letters</i> , 1997, 268, 387-392.	1.2	17
215	An NMR spectroscopic characterisation of the enzyme-resistant residue from ¹⁴ C-amylolysis of an amylose gel. <i>Carbohydrate Polymers</i> , 1995, 27, 255-259.	5.1	19
216	Study on the Composition and Structure of Commercial Chestnut Tanning Agent. , 1992, 59, 221-243.		9

#	ARTICLE	IF	CITATIONS
217	Complexation Between Polyphenols and Aluminum Salts. , 1992, , 437-445.		1
218	Starch granules- a multinuclear magnetic resonance study. Special Publication - Royal Society of Chemistry, 0, , 157-164.	0.0	0