

Elaine Holmes

List of Publications by Year in descending order

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Version: 2024-02-01

536
papers

66,780
citations

699

121
h-index

959

238
g-index

561
all docs

561
docs citations

561
times ranked

51691
citing authors

#	ARTICLE	IF	CITATIONS
1	The rationale and design of a Mediterranean diet accompanied by time restricted feeding to optimise the management of type 2 diabetes: The MedDietFast randomised controlled trial. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2022, 32, 220-230.	1.1	5
2	J-Edited Diffusional Proton Nuclear Magnetic Resonance Spectroscopic Measurement of Glycoprotein and Supramolecular Phospholipid Biomarkers of Inflammation in Human Serum. <i>Analytical Chemistry</i> , 2022, 94, 1333-1341.	3.2	17
3	The impact of bariatric surgery on serum tryptophanâ€™kynurenine pathway metabolites. <i>Scientific Reports</i> , 2022, 12, 294.	1.6	7
4	Balancing the Equation: A Natural History of Trimethylamine and Trimethylamine- <i>N</i> -oxide. <i>Journal of Proteome Research</i> , 2022, 21, 560-589.	1.8	19
5	Exploration of Human Serum Lipoprotein Supramolecular Phospholipids Using Statistical Heterospectroscopy in <i>n</i> -Dimensions (SHY- <i>n</i>): Identification of Potential Cardiovascular Risk Biomarkers Related to SARS-CoV-2 Infection. <i>Analytical Chemistry</i> , 2022, 94, 4426-4436.	3.2	13
6	Blood pressure interactions with the DASH dietary pattern, sodium, and potassium: The International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP). <i>American Journal of Clinical Nutrition</i> , 2022, 116, 216-229.	2.2	13
7	Infection with the hepatitis C virus causes viral genotype-specific differences in cholesterol metabolism and hepatic steatosis. <i>Scientific Reports</i> , 2022, 12, 5562.	1.6	8
8	Integrated fecal microbiomeâ€™metabolome signatures reflect stress and serotonin metabolism in irritable bowel syndrome. <i>Gut Microbes</i> , 2022, 14, 2063016.	4.3	28
9	Optimised systematic review tool: Application to candidate biomarkers for the diagnosis of hepatocellular carcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022, , .	1.1	1
10	Profiling gut microbiota and bile acid metabolism in critically ill children. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
11	Strategy for improved characterization of human metabolic phenotypes using a COmbined Multi-block Principal components Analysis with Statistical Spectroscopy (COMPASS). <i>Bioinformatics</i> , 2021, 36, 5229-5236.	1.8	1
12	Metabolomic Analysis in Inflammatory Bowel Disease: A Systematic Review. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 813-826.	0.6	65
13	A simultaneous exploratory and quantitative amino acid and biogenic amine metabolic profiling platform for rapid disease phenotyping via UPLC-QToF-MS. <i>Talanta</i> , 2021, 223, 121872.	2.9	23
14	The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures caseâ€™study approach. <i>Translational Sports Medicine</i> , 2021, 4, 174-192.	0.5	14
15	Neuroendocrine Neoplasms: Identification of Novel Metabolic Circuits of Potential Diagnostic Utility. <i>Cancers</i> , 2021, 13, 374.	1.7	3
16	NMR Spectroscopic Windows on the Systemic Effects of SARS-CoV-2 Infection on Plasma Lipoproteins and Metabolites in Relation to Circulating Cytokines. <i>Journal of Proteome Research</i> , 2021, 20, 1382-1396.	1.8	61
17	Roux-en-Y gastric bypass surgery in Zucker rats induces bacterial and systemic metabolic changes independent of caloric restriction-induced weight loss. <i>Gut Microbes</i> , 2021, 13, 1-20.	4.3	18
18	Diffusion and Relaxation Edited Proton NMR Spectroscopy of Plasma Reveals a High-Fidelity Supramolecular Biomarker Signature of SARS-CoV-2 Infection. <i>Analytical Chemistry</i> , 2021, 93, 3976-3986.	3.2	43

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19	Systemic Perturbations in Amine and Kynurenine Metabolism Associated with Acute SARS-CoV-2 Infection and Inflammatory Cytokine Responses. <i>Journal of Proteome Research</i> , 2021, 20, 2796-2811.	1.8	81
20	Modifying gut integrity and microbiome in children with severe acute malnutrition using legume-based feeds (MIMBLE): A pilot trial. <i>Cell Reports Medicine</i> , 2021, 2, 100280.	3.3	14
21	Incomplete Systemic Recovery and Metabolic Phenoreversion in Post-Acute-Phase Nonhospitalized COVID-19 Patients: Implications for Assessment of Post-Acute COVID-19 Syndrome. <i>Journal of Proteome Research</i> , 2021, 20, 3315-3329.	1.8	85
22	Iron status influences non-alcoholic fatty liver disease in obesity through the gut microbiome. <i>Microbiome</i> , 2021, 9, 104.	4.9	70
23	Age-related immune response heterogeneity to SARS-CoV-2 vaccine BNT162b2. <i>Nature</i> , 2021, 596, 417-422.	13.7	549
24	Roux-en-Y gastric bypass-induced bacterial perturbation contributes to altered host-bacterial co-metabolic phenotype. <i>Microbiome</i> , 2021, 9, 139.	4.9	26
25	Diagnostic Potential of the Plasma Lipidome in Infectious Disease: Application to Acute SARS-CoV-2 Infection. <i>Metabolites</i> , 2021, 11, 467.	1.3	33
26	Tryptophan-metabolizing gut microbes regulate adult neurogenesis via the aryl hydrocarbon receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	75
27	Statistical analysis in metabolic phenotyping. <i>Nature Protocols</i> , 2021, 16, 4299-4326.	5.5	40
28	Integrative Modeling of Plasma Metabolic and Lipoprotein Biomarkers of SARS-CoV-2 Infection in Spanish and Australian COVID-19 Patient Cohorts. <i>Journal of Proteome Research</i> , 2021, 20, 4139-4152.	1.8	31
29	Low Volume in Vitro Diagnostic Proton NMR Spectroscopy of Human Blood Plasma for Lipoprotein and Metabolite Analysis: Application to SARS-CoV-2 Biomarkers. <i>Journal of Proteome Research</i> , 2021, 20, 1415-1423.	1.8	24
30	Metabolic phenotyping reveals a reduction in the bioavailability of serotonin and kynurenine pathway metabolites in both the urine and serum of individuals living with Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 20.	3.0	60
31	Lack of anti-TNF drugs levels in fistula tissue – a reason for nonresponse in Crohn's perianal fistulating disease?. <i>European Journal of Gastroenterology and Hepatology</i> , 2021, Publish Ahead of Print, 18-26.	0.8	4
32	Odd Chain Fatty Acids Are Not Robust Biomarkers for Dietary Intake of Fiber. <i>Molecular Nutrition and Food Research</i> , 2021, 65, 2100316.	1.5	0
33	Mapping of population disparities in the cholangiocarcinoma urinary metabolome. <i>Scientific Reports</i> , 2021, 11, 21286.	1.6	2
34	Differences in amino acid and lipid metabolism distinguish Crohn's from idiopathic/cryptoglandular perianal fistulas by tissue metabolomic profiling and may offer clues to underlying pathogenesis. <i>European Journal of Gastroenterology and Hepatology</i> , 2021, 33, 1469-1479.	0.8	10
35	Characterisation of the Serum Metabolic Signature of Cholangiocarcinoma in a United Kingdom Cohort. <i>Journal of Clinical and Experimental Hepatology</i> , 2020, 10, 17-29.	0.4	12
36	Clinical and molecular evidence of accelerated ageing following very preterm birth. <i>Pediatric Research</i> , 2020, 87, 1005-1010.	1.1	27

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37	The association of fish consumption and its urinary metabolites with cardiovascular risk factors: the International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP). <i>American Journal of Clinical Nutrition</i> , 2020, 111, 280-290.	2.2	37
38	644 IDENTIFICATION OF NOVEL CHANGES IN MICROBIALLY-DERIVED METABOLITES AFTER FECAL MICROBIOTA TRANSPLANT FOR RECURRENT CLOSTRIDIODES DIFFICILE INFECTION. <i>Gastroenterology</i> , 2020, 158, S-138-S-139.	0.6	0
39	Identifying unknown metabolites using NMR-based metabolic profiling techniques. <i>Nature Protocols</i> , 2020, 15, 2538-2567.	5.5	69
40	Investigating the Role of Diet and Exercise in Gut Microbe-Host Cometabolism. <i>MSystems</i> , 2020, 5, .	1.7	11
41	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. <i>EBioMedicine</i> , 2020, 58, 102932.	2.7	3
42	A natural mutation in <i>Pisum sativum</i> L. (pea) alters starch assembly and improves glucose homeostasis in humans. <i>Nature Food</i> , 2020, 1, 693-704.	6.2	37
43	Quantitative In-Vitro Diagnostic NMR Spectroscopy for Lipoprotein and Metabolite Measurements in Plasma and Serum: Recommendations for Analytical Artifact Minimization with Special Reference to COVID-19/SARS-CoV-2 Samples. <i>Journal of Proteome Research</i> , 2020, 19, 4428-4441.	1.8	39
44	Understanding the mechanisms of efficacy of fecal microbiota transplant in treating recurrent <i>Clostridioides difficile</i> infection and beyond: the contribution of gut microbial-derived metabolites. <i>Gut Microbes</i> , 2020, 12, 1810531.	4.3	32
45	Integrative Modeling of Quantitative Plasma Lipoprotein, Metabolic, and Amino Acid Data Reveals a Multiorgan Pathological Signature of SARS-CoV-2 Infection. <i>Journal of Proteome Research</i> , 2020, 19, 4442-4454.	1.8	142
46	Improved Spatial Resolution of Metabolites in Tissue Biopsies Using High-Resolution Magic-Angle-Spinning Slice Localization NMR Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 11516-11519.	3.2	9
47	Metabolic Signatures of Gestational Weight Gain and Postpartum Weight Loss in a Lifestyle Intervention Study of Overweight and Obese Women. <i>Metabolites</i> , 2020, 10, 498.	1.3	5
48	Urinary metabolic phenotyping for Alzheimer's disease. <i>Scientific Reports</i> , 2020, 10, 21745.	1.6	30
49	Performance of metabonomic serum analysis for diagnostics in paediatric tuberculosis. <i>Scientific Reports</i> , 2020, 10, 7302.	1.6	11
50	Nutriome-metabolome relationships provide insights into dietary intake and metabolism. <i>Nature Food</i> , 2020, 1, 426-436.	6.2	41
51	Longitudinal metabolic and gut bacterial profiling of pregnant women with previous bariatric surgery. <i>Gut</i> , 2020, 69, 1452-1459.	6.1	23
52	Exploring Metabolic Consequences of CPS1 and CAD Dysregulation in Hepatocellular Carcinoma by Network Reconstruction. <i>Journal of Hepatocellular Carcinoma</i> , 2020, Volume 7, 1-9.	1.8	8
53	Abstract MP45: A Metabolome-wide Association Study of Plant Food Consumption With Blood Pressure. <i>Circulation</i> , 2020, 141, .	1.6	0
54	Characterisation of the Urinary Metabolic Profile of Liver Fluke-Associated Cholangiocarcinoma. <i>Journal of Clinical and Experimental Hepatology</i> , 2019, 9, 657-675.	0.4	14

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55	The gut microbiota influences skeletal muscle mass and function in mice. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	271
56	PS-174-Serum bile acid profiles distinguish severe alcoholic hepatitis from decompensated alcohol-related cirrhosis. <i>Journal of Hepatology</i> , 2019, 70, e108.	1.8	1
57	PS-144-Autotaxin mediates lipid dysregulation in acute-on-chronic liver failure, promoting persistence of systemic inflammation via lysophosphatidic acid-mediated monocyte activation. <i>Journal of Hepatology</i> , 2019, 70, e91-e92.	1.8	0
58	Metabolic Phenotyping in Venous Disease: The Need for Standardization. <i>Journal of Proteome Research</i> , 2019, 18, 3809-3820.	1.8	13
59	Metabolism of the predominant human milk oligosaccharide fucosyllactose by an infant gut commensal. <i>Scientific Reports</i> , 2019, 9, 15427.	1.6	58
60	Association of Untargeted Urinary Metabolomics and Lung Cancer Risk Among Never-Smoking Women in China. <i>JAMA Network Open</i> , 2019, 2, e1911970.	2.8	24
61	A Unified Conceptual Framework for Metabolic Phenotyping in Diagnosis and Prognosis. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 763-773.	4.0	21
62	¹ H NMR metabolomic approach reveals chlorogenic acid as a response of sugarcane induced by exposure to <i>Diatraea saccharalis</i> . <i>Industrial Crops and Products</i> , 2019, 140, 111651.	2.5	14
63	NMR and MS urinary metabolic phenotyping in kidney diseases is fit-for-purpose in the presence of a protease inhibitor. <i>Molecular Omics</i> , 2019, 15, 39-49.	1.4	5
64	Spot and Cumulative Urine Samples Are Suitable Replacements for 24-Hour Urine Collections for Objective Measures of Dietary Exposure in Adults Using Metabolite Biomarkers. <i>Journal of Nutrition</i> , 2019, 149, 1692-1700.	1.3	31
65	Bariatric Surgery Modulates Urinary Levels of MicroRNAs Involved in the Regulation of Renal Function. <i>Frontiers in Endocrinology</i> , 2019, 10, 319.	1.5	8
66	<p>Characterization of the urinary metabolic profile of cholangiocarcinoma in a United Kingdom population</p>. <i>Hepatic Medicine: Evidence and Research</i> , 2019, Volume 11, 47-67.	0.9	10
67	Mass Spectrometry: A Guide for the Clinician. <i>Journal of Clinical and Experimental Hepatology</i> , 2019, 9, 597-606.	0.4	8
68	Serum metabolic signatures of coronary and carotid atherosclerosis and subsequent cardiovascular disease. <i>European Heart Journal</i> , 2019, 40, 2883-2896.	1.0	107
69	Effects of Inulin Propionate Ester Incorporated into Palatable Food Products on Appetite and Resting Energy Expenditure: A Randomised Crossover Study. <i>Nutrients</i> , 2019, 11, 861.	1.7	25
70	Enhanced Microbial Bile Acid Deconjugation and Impaired Ileal Uptake in Pregnancy Repress Intestinal Regulation of Bile Acid Synthesis. <i>Hepatology</i> , 2019, 70, 276-293.	3.6	46
71	Ultrahigh-Performance Liquid Chromatography Tandem Mass Spectrometry with Electrospray Ionization Quantification of Tryptophan Metabolites and Markers of Gut Health in Serum and Plasma—Application to Clinical and Epidemiology Cohorts. <i>Analytical Chemistry</i> , 2019, 91, 5207-5216.	3.2	72
72	Dietary supplementation with inulin-propionate ester or inulin improves insulin sensitivity in adults with overweight and obesity with distinct effects on the gut microbiota, plasma metabolome and systemic inflammatory responses: a randomised cross-over trial. <i>Gut</i> , 2019, 68, 1430-1438.	6.1	235

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73	Obesity and Cage Environment Modulate Metabolism in the Zucker Rat: A Multiple Biological Matrix Approach to Characterizing Metabolic Phenomena. <i>Journal of Proteome Research</i> , 2019, 18, 2160-2174.	1.8	6
74	Autotaxin, bile acid profile and effect of ileal bile acid transporter inhibition in primary biliary cholangitis patients with pruritus. <i>Liver International</i> , 2019, 39, 967-975.	1.9	22
75	Microbial bile salt hydrolases mediate the efficacy of faecal microbiota transplant in the treatment of recurrent <i>Clostridioides difficile</i> infection. <i>Gut</i> , 2019, 68, 1791-1800.	6.1	182
76	PTH-112...Effect of co-morbidities in crohn's disease associated urinary metabolic profiles. , 2019, , .		0
77	PTH-113...Effect of ethnicity on the faecal water metabolic profiles in crohn's disease. , 2019, , .		0
78	PTH-118...Mucosal tissue short chain fatty acids contribute to prediction of pouchitis in restorative proctocolectomy. , 2019, , .		0
79	IDDF2019-ABS-0027...Urinary formate and glycine are associated with treatment response in patients treated with antibiotics for pouchitis. , 2019, , .		0
80	Neurogenesis and longevity signaling in young germ-free mice transplanted with the gut microbiota of old mice. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	122
81	Multi-Compartment Profiling of Bacterial and Host Metabolites Identifies Intestinal Dysbiosis and Its Functional Consequences in the Critically Ill Child. <i>Critical Care Medicine</i> , 2019, 47, e727-e734.	0.4	19
82	The metabolic fate and effects of 2-Bromophenol in male Sprague-Dawley rats. <i>Xenobiotica</i> , 2019, 49, 1352-1359.	0.5	2
83	An Overview of Metabolic Phenotyping and Its Role in Systems Biology. , 2019, , 1-51.		2
84	Metabolic Phenotyping: History, Status, and Prospects. , 2019, , 571-583.		0
85	Abstract P228: Relationships of Dietary and Supplement Magnesium Intake and Its Urinary Metabolomic Biomarkers With Blood Pressure: The INTERMAP Study. <i>Circulation</i> , 2019, 139, .	1.6	0
86	Abstract P229: Cross-Sectional Investigation of the Relationship Between Fish Consumption and Its Urinary Biomarkers With Blood Pressure Across Asian and Western Populations: Results From the INTERMAP Study. <i>Circulation</i> , 2019, 139, .	1.6	0
87	Abstract 5269: Discovery and validation of plasma acylcarnitines for the early diagnosis of hepatocellular carcinoma. , 2019, , .		1
88	The microbiome of professional athletes differs from that of more sedentary subjects in composition and particularly at the functional metabolic level. <i>Gut</i> , 2018, 67, gutjnl-2016-313627.	6.1	333
89	Optimized Phenotypic Biomarker Discovery and Confounder Elimination via Covariate-Adjusted Projection to Latent Structures from Metabolic Spectroscopy Data. <i>Journal of Proteome Research</i> , 2018, 17, 1586-1595.	1.8	29
90	Characterization of metabolic responses to healthy diets and association with blood pressure: application to the Optimal Macronutrient Intake Trial for Heart Health (OmniHeart), a randomized controlled study. <i>American Journal of Clinical Nutrition</i> , 2018, 107, 323-334.	2.2	46

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91	A Prospective Metagenomic and Metabolomic Analysis of the Impact of Exercise and/or Whey Protein Supplementation on the Gut Microbiome of Sedentary Adults. <i>MSystems</i> , 2018, 3, .	1.7	148
92	Deep Vein Thrombosis Exhibits Characteristic Serum and Vein Wall Metabolic Phenotypes in the Inferior Vena Cava Ligation Mouse Model. <i>European Journal of Vascular and Endovascular Surgery</i> , 2018, 55, 703-713.	0.8	13
93	Rifaximin in non-alcoholic steatohepatitis: An open-label pilot study. <i>Hepatology Research</i> , 2018, 48, 69-77.	1.8	36
94	706: LOSS OF FECAL MICROBIAL DENSITY AND INTESTINAL FERMENTATION EFFICIENCY IN CRITICALLY ILL CHILDREN. <i>Critical Care Medicine</i> , 2018, 46, 339-339.	0.4	0
95	Profiling inflammatory markers in patients with pneumonia on intensive care. <i>Scientific Reports</i> , 2018, 8, 14736.	1.6	12
96	Inhibiting Growth of <i>Clostridioides difficile</i> by Restoring Valerate, Produced by the Intestinal Microbiota. <i>Gastroenterology</i> , 2018, 155, 1495-1507.e15.	0.6	127
97	Ultra-Performance Liquid Chromatography-High-Resolution Mass Spectrometry and Direct Infusion-High-Resolution Mass Spectrometry for Combined Exploratory and Targeted Metabolic Profiling of Human Urine. <i>Journal of Proteome Research</i> , 2018, 17, 3492-3502.	1.8	19
98	Effects of Vancomycin and Ciprofloxacin on the NMRI Mouse Metabolism. <i>Journal of Proteome Research</i> , 2018, 17, 3565-3573.	1.8	8
99	Quantitative Lipoprotein Subclass and Low Molecular Weight Metabolite Analysis in Human Serum and Plasma by ¹ H NMR Spectroscopy in a Multilaboratory Trial. <i>Analytical Chemistry</i> , 2018, 90, 11962-11971.	3.2	165
100	PC232. Metabolic Profiling of High-Risk Carotid Atherosclerosis. <i>Journal of Vascular Surgery</i> , 2018, 67, e236.	0.6	0
101	Towards elucidating a universal panel of diagnostic biomarkers for early hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2018, 68, S433.	1.8	0
102	Molecular phenomics and metagenomics of hepatic steatosis in non-diabetic obese women. <i>Nature Medicine</i> , 2018, 24, 1070-1080.	15.2	465
103	The effects of kisspeptin on cell function, serum metabolites and appetite in humans. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2800-2810.	2.2	74
104	Metabolic phenotype of skeletal muscle in early critical illness. <i>Thorax</i> , 2018, 73, 926-935.	2.7	135
105	The effect of L-rhamnose on intestinal transit time, short chain fatty acids and appetite regulation: a pilot human study using combined ¹³ CO ₂ /H ₂ breath tests. <i>Journal of Breath Research</i> , 2018, 12, 046006.	1.5	15
106	Vaginal dysbiosis increases risk of preterm fetal membrane rupture, neonatal sepsis and is exacerbated by erythromycin. <i>BMC Medicine</i> , 2018, 16, 9.	2.3	202
107	Improved physiology and metabolic flux after Roux-en-Y gastric bypass is associated with temporal changes in the circulating microRNAome: a longitudinal study in humans. <i>BMC Obesity</i> , 2018, 5, 20.	3.1	23
108	The C ₆ H ₆ NMR repository: An integral solution to control the flow of your data from the magnet to the public. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 520-528.	1.1	19

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109	Abstract 4974: Prospective study of untargeted urinary metabolomics and risk of lung cancer among female never-smokers in Shanghai, China. , 2018, , .		1
110	Modifying Intestinal Integrity and MicroBiome in Severe Malnutrition with Legume-Based Feeds (MIMBLE 2.0): protocol for a phase II refined feed and intervention trial. Wellcome Open Research, 2018, 3, 95.	0.9	4
111	System-based proteomic and metabonomic analysis of the Df(16)A+/â mouse identifies potential miR-185 targets and molecular pathway alterations. Molecular Psychiatry, 2017, 22, 384-395.	4.1	23
112	The interaction between vaginal microbiota, cervical length, and vaginal progesterone treatment for preterm birth risk. Microbiome, 2017, 5, 6.	4.9	266
113	Untargeted Metabolomic Profiling Reveals Metabolic Changes in Serum and Vein Wall of the Inferior Vena Cava Murine Model of Deep Venous Thrombosis. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2017, 5, 146.	0.9	0
114	Objective assessment of dietary patterns by use of metabolic phenotyping: a randomised, controlled, crossover trial. Lancet Diabetes and Endocrinology,the, 2017, 5, 184-195.	5.5	194
115	Metabolic Phenotyping of Diet and Dietary Intake. Advances in Food and Nutrition Research, 2017, 81, 231-270.	1.5	9
116	Deep learning and 3D-DESI imaging reveal the hidden metabolic heterogeneity of cancer. Chemical Science, 2017, 8, 3500-3511.	3.7	117
117	Integrated Analytical and Statistical Two-Dimensional Spectroscopy Strategy for Metabolite Identification: Application to Dietary Biomarkers. Analytical Chemistry, 2017, 89, 3300-3309.	3.2	46
118	Optimization and Application of Direct Infusion Nano-electrospray HRMS Method for Large-Scale Urinary Metabolic Phenotyping in Molecular Epidemiology. Journal of Proteome Research, 2017, 16, 1646-1658.	1.8	42
119	Application of 1 H NMR spectroscopy to the metabolic phenotyping of rodent brain extracts: A metabonomic study of gut microbial influence on host brain metabolism. Journal of Pharmaceutical and Biomedical Analysis, 2017, 143, 141-146.	1.4	24
120	Longitudinal analysis of serum oxylipin profile as a novel descriptor of the inflammatory response to surgery. Journal of Translational Medicine, 2017, 15, 83.	1.8	14
121	Metabolic Profiling in Patients with Pneumonia on Intensive Care. EBioMedicine, 2017, 18, 244-253.	2.7	19
122	Application of Metabolic Profiling to Abdominal Aortic Aneurysm Research. Journal of Proteome Research, 2017, 16, 2325-2332.	1.8	10
123	The Plasma and Serum Metabotyping of Hepatocellular Carcinoma in a Nigerian and Egyptian Cohort using Proton Nuclear Magnetic Resonance Spectroscopy. Journal of Clinical and Experimental Hepatology, 2017, 7, 83-92.	0.4	4
124	Metabolic phenotyping for discovery of urinary biomarkers of diet, xenobiotics and blood pressure in the INTERMAP Study: an overview. Hypertension Research, 2017, 40, 336-345.	1.5	14
125	Medical Swab Analysis Using Desorption Electrospray Ionization Mass Spectrometry: A Noninvasive Approach for Mucosal Diagnostics. Analytical Chemistry, 2017, 89, 1540-1550.	3.2	31
126	Metabolic Phenotype of Obesity in a Saudi Population. Journal of Proteome Research, 2017, 16, 635-644.	1.8	17

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127	Urinary Metabolic Phenotyping of Women with Lower Urinary Tract Symptoms. <i>Journal of Proteome Research</i> , 2017, 16, 4208-4216.	1.8	13
128	Early intervention with <i>Bifidobacterium lactis</i> NCC2818 modulates the host-microbe interface independent of the sustained changes induced by the neonatal environment. <i>Scientific Reports</i> , 2017, 7, 5310.	1.6	10
129	Effects of Time on Urinary Metabolic Signatures in Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2017, 152, S611-S612.	0.6	0
130	Metabolomics as a tool to identify biomarkers to predict and improve outcomes in reproductive medicine: a systematic review. <i>Human Reproduction Update</i> , 2017, 23, 723-736.	5.2	101
131	A comprehensive characterisation of the metabolic profile of varicose veins; implications in elaborating plausible cellular pathways for disease pathogenesis. <i>Scientific Reports</i> , 2017, 7, 2989.	1.6	20
132	Lessons from Metabonomics on the Neurobiology of Stroke. <i>Neuroscientist</i> , 2017, 23, 374-382.	2.6	34
133	Metabolic Profiling of Central Nervous System Disease in <i>Trypanosoma brucei rhodesiense</i> Infection. <i>Journal of Infectious Diseases</i> , 2017, 216, 1273-1280.	1.9	8
134	Early preterm nutrition and the urinary metabolome in young adult life: follow-up of a randomised controlled trial. <i>BMJ Paediatrics Open</i> , 2017, 1, e000192.	0.6	1
135	Ethnicity and skin autofluorescence-based risk-engines for cardiovascular disease and diabetes mellitus. <i>PLoS ONE</i> , 2017, 12, e0185175.	1.1	13
136	Hepatocellular carcinoma: Review of disease and tumor biomarkers. <i>World Journal of Hepatology</i> , 2016, 8, 471.	0.8	58
137	Phenotyping the Patient Journey. , 2016, , 49-74.		1
138	Metabolic Profiling of Children Undergoing Surgery for Congenital Heart Disease. <i>Survey of Anesthesiology</i> , 2016, 60, 70-71.	0.1	0
139	Bidirectional communication between the Aryl hydrocarbon Receptor (AhR) and the microbiome tunes host metabolism. <i>Npj Biofilms and Microbiomes</i> , 2016, 2, 16014.	2.9	105
140	Impact of maternal BMI and sampling strategy on the concentration of leptin, insulin, ghrelin and resistin in breast milk across a single feed: a longitudinal cohort study. <i>BMJ Open</i> , 2016, 6, e010778.	0.8	36
141	Metabolic Phenotypes of Carotid Atherosclerotic Plaques Relate to Stroke Risk: An Exploratory Study. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016, 52, 5-10.	0.8	32
142	Su1805 Lipid Biomarker: Diagnostic Approach to Crohn's Disease Using Metabonomic Profiling in Serum and Faeces. <i>Gastroenterology</i> , 2016, 150, S557.	0.6	0
143	Increased colonic propionate reduces anticipatory reward responses in the human striatum to high-energy foods. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 5-14.	2.2	145
144	Urinary Metabotyping of Hepatocellular Carcinoma in a UK Cohort Using Proton Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Clinical and Experimental Hepatology</i> , 2016, 6, 186-194.	0.4	13

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145	An Analytical Pipeline for Quantitative Characterization of Dietary Intake: Application To Assess Grape Intake. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2423-2431.	2.4	48
146	Systemic Characterization of an Obese Phenotype in the Zucker Rat Model Defining Metabolic Axes of Energy Metabolism and Host-Microbial Interactions. <i>Journal of Proteome Research</i> , 2016, 15, 1897-1906.	1.8	16
147	Optimized Sample Handling Strategy for Metabolic Profiling of Human Feces. <i>Analytical Chemistry</i> , 2016, 88, 4661-4668.	3.2	134
148	Power Analysis and Sample Size Determination in Metabolic Phenotyping. <i>Analytical Chemistry</i> , 2016, 88, 5179-5188.	3.2	95
149	Automatic Spectroscopic Data Categorization by Clustering Analysis (ASCLAN): A Data-Driven Approach for Distinguishing Discriminatory Metabolites for Phenotypic Subclasses. <i>Analytical Chemistry</i> , 2016, 88, 5670-5679.	3.2	8
150	New technologies offer new insights into the pathogenesis of hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2016, 31, 1259-1267.	1.4	8
151	Topological analysis of metabolic networks integrating co-segregating transcriptomes and metabolomes in type 2 diabetic rat congenic series. <i>Genome Medicine</i> , 2016, 8, 101.	3.6	19
152	Prolonged Mechanical Circumferential Stretch Induces Metabolic Changes in Rat Inferior Vena Cava. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016, 52, 544-552.	0.8	7
153	Development and Application of Ultra-Performance Liquid Chromatography-TOF MS for Precision Large Scale Urinary Metabolic Phenotyping. <i>Analytical Chemistry</i> , 2016, 88, 9004-9013.	3.2	113
154	Development of a Pipeline for Exploratory Metabolic Profiling of Infant Urine. <i>Journal of Proteome Research</i> , 2016, 15, 3432-3440.	1.8	9
155	Role of human milk oligosaccharides in Group B Streptococcus colonisation. <i>Clinical and Translational Immunology</i> , 2016, 5, e99.	1.7	38
156	Identifying crop variants with high resistant starch content to maintain healthy glucose homeostasis. <i>Nutrition Bulletin</i> , 2016, 41, 372-377.	0.8	6
157	Correction to 2-Furoylglycine as a Candidate Biomarker of Coffee Consumption. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8958-8958.	2.4	1
158	Relationship between vaginal microbial dysbiosis, inflammation, and pregnancy outcomes in cervical cerclage. <i>Science Translational Medicine</i> , 2016, 8, 350ra102.	5.8	137
159	Multivariate metabotyping of plasma predicts survival in patients with decompensated cirrhosis. <i>Journal of Hepatology</i> , 2016, 64, 1058-1067.	1.8	77
160	Comparative metabolomic analysis of hepatotoxicity induced by acetaminophen and its less toxic meta-isomer. <i>Archives of Toxicology</i> , 2016, 90, 3073-3085.	1.9	23
161	Characterisation of the vaginal microbiome in cervical intraepithelial neoplasia. <i>Lancet, The</i> , 2016, 387, S75.	6.3	5
162	Neonatal environment exerts a sustained influence on the development of the intestinal microbiota and metabolic phenotype. <i>ISME Journal</i> , 2016, 10, 145-157.	4.4	44

#	ARTICLE	IF	CITATIONS
163	Spatially resolved profiling of colorectal cancer lipid biochemistry via DESI imaging mass spectrometry to reveal morphology-dependent alterations in fatty acid metabolism.. Journal of Clinical Oncology, 2016, 34, e15104-e15104.	0.8	4
164	Handing on Health to the Next Generation. , 2016, , 213-264.		0
165	Future Visions for Clinical Metabolic Phenotyping. , 2016, , 369-388.		0
166	Cervical intraepithelial neoplasia disease progression is associated with increased vaginal microbiome diversity. Scientific Reports, 2015, 5, 16865.	1.6	320
167	Bariatric surgery and nonalcoholic fatty liver disease. European Journal of Gastroenterology and Hepatology, 2015, 27, 755-768.	0.8	25
168	Role of metabolic phenotyping in understanding obesity and related conditions in ^Gulf ^Cœoperation ^Council countries. Clinical Obesity, 2015, 5, 302-311.	1.1	2
169	Discovery of Infection Associated Metabolic Markers in Human African Trypanosomiasis. PLoS Neglected Tropical Diseases, 2015, 9, e0004200.	1.3	48
170	A new gender-specific model for skin autofluorescence risk stratification. Scientific Reports, 2015, 5, 10198.	1.6	21
171	Hippocampal Proteomic and Metabonomic Abnormalities in Neurotransmission, Oxidative Stress, and Apoptotic Pathways in a Chronic Phencyclidine Rat Model. Journal of Proteome Research, 2015, 14, 3174-3187.	1.8	14
172	Metabolic Profiling of Children Undergoing Surgery for Congenital Heart Disease. Critical Care Medicine, 2015, 43, 1467-1476.	0.4	37
173	Plasma Lipid Profiling in a Rat Model of Hepatocellular Carcinoma: Potential Modulation Through Quinolone Administration. Journal of Clinical and Experimental Hepatology, 2015, 5, 286-294.	0.4	10
174	Untargeted UPLC-MS Profiling Pipeline to Expand Tissue Metabolome Coverage: Application to Cardiovascular Disease. Analytical Chemistry, 2015, 87, 4184-4193.	3.2	161
175	Metabolic Phenotyping of Atherosclerotic Plaques Reveals Latent Associations between Free Cholesterol and Ceramide Metabolism in Atherogenesis. Journal of Proteome Research, 2015, 14, 1389-1399.	1.8	65
176	Translational Cancer Research: Balancing Prevention and Treatment to Combat Cancer Globally. Journal of the National Cancer Institute, 2015, 107, 1-5.	3.0	34
177	Metabolic Profiling of CHO-AÎ²PP695 Cells Revealed Mitochondrial Dysfunction Prior to Amyloid-Î² Pathology and Potential Therapeutic Effects of Both PPARÎ³ and PPARÎ± Agonisms for Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 44, 215-231.	1.2	25
178	Dominant components of the ^Thoroughbred metabolome characterised by ¹^H nuclear magnetic resonance spectroscopy: A metabolite atlas of common biofluids. Equine Veterinary Journal, 2015, 47, 721-730.	0.9	30
179	Perturbations in fatty acid metabolism and apoptosis are manifested in calcific coronary artery disease: An exploratory lipidomic study. International Journal of Cardiology, 2015, 197, 192-199.	0.8	29
180	Identification of a novel human circulating metabolite of tenofovir disoproxil fumarate with LC-MS/MS. Bioanalysis, 2015, 7, 643-652.	0.6	7

#	ARTICLE	IF	CITATIONS
181	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
182	The promise of metabolic phenotyping in gastroenterology and hepatology. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2015, 12, 458-471.	8.2	61
183	The cellular toxicology of mitragynine, the dominant alkaloid of the narcotic-like herb, <i>Mitragyna speciosa</i> Korth. <i>Toxicology Research</i> , 2015, 4, 1173-1183.	0.9	6
184	Urinary metabolic signatures of human adiposity. <i>Science Translational Medicine</i> , 2015, 7, 285ra62.	5.8	178
185	Multiplatform characterization of dynamic changes in breast milk during lactation. <i>Electrophoresis</i> , 2015, 36, 2269-2285.	1.3	79
186	The vaginal microbiome during pregnancy and the postpartum period in a European population. <i>Scientific Reports</i> , 2015, 5, 8988.	1.6	415
187	Proteomic and metabonomic biomarkers for hepatocellular carcinoma: a comprehensive review. <i>British Journal of Cancer</i> , 2015, 112, 1141-1156.	2.9	106
188	2-Furoylglycine as a Candidate Biomarker of Coffee Consumption. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8615-8621.	2.4	59
189	Development and Validation of a High-Throughput Ultrahigh-Performance Liquid Chromatography-Mass Spectrometry Approach for Screening of Oxylipins and Their Precursors. <i>Analytical Chemistry</i> , 2015, 87, 11721-11731.	3.2	42
190	Optimization of metabolite extraction of human vein tissue for ultra performance liquid chromatography-mass spectrometry and nuclear magnetic resonance-based untargeted metabolic profiling. <i>Analyst</i> , The, 2015, 140, 7586-7597.	1.7	30
191	Bile Acid Profiling and Quantification in Biofluids Using Ultra-Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 9662-9670.	3.2	166
192	Metabolic phenotype-microRNA data fusion analysis of the systemic consequences of Roux-en-Y gastric bypass surgery. <i>International Journal of Obesity</i> , 2015, 39, 1126-1134.	1.6	30
193	Development of nanoelectrospray high resolution isotope dilution mass spectrometry for targeted quantitative analysis of urinary metabolites: application to population profiling and clinical studies. <i>Analytical Methods</i> , 2015, 7, 5122-5133.	1.3	8
194	¹ H NMR Spectroscopy of Fecal Extracts Enables Detection of Advanced Colorectal Neoplasia. <i>Journal of Proteome Research</i> , 2015, 14, 3871-3881.	1.8	32
195	Metabolic Phenotyping for Enhanced Mechanistic Stratification of Chronic Hepatitis C-Induced Liver Fibrosis. <i>American Journal of Gastroenterology</i> , 2015, 110, 159-169.	0.2	29
196	Metabolic, Immune, and Gut Microbial Signals Mount a Systems Response to <i>Leishmania major</i> Infection. <i>Journal of Proteome Research</i> , 2015, 14, 318-329.	1.8	20
197	The urinary proteome and metabonome differ from normal in adults with mitochondrial disease. <i>Kidney International</i> , 2015, 87, 610-622.	2.6	41
198	Aspartame Sensitivity? A Double Blind Randomised Crossover Study. <i>PLoS ONE</i> , 2015, 10, e0116212.	1.1	11

#	ARTICLE	IF	CITATIONS
199	Effect of Maternal Body Mass Index on Hormones in Breast Milk: A Systematic Review. PLoS ONE, 2014, 9, e115043.	1.1	87
200	Systems Level Metabolic Phenotype of Methotrexate Administration in the Context of Non-alcoholic Steatohepatitis in the Rat. Toxicological Sciences, 2014, 142, 105-116.	1.4	17
201	MetaboNetworks, an interactive Matlab-based toolbox for creating, customizing and exploring sub-networks from KEGG. Bioinformatics, 2014, 30, 893-895.	1.8	62
202	Urinary metabolic profiles in early pregnancy are associated with preterm birth and fetal growth restriction in the Rhea motherâ€™child cohort study. BMC Medicine, 2014, 12, 110.	2.3	76
203	Rapid Diagnosis and Staging of Colorectal Cancer via High-Resolution Magic Angle Spinning Nuclear Magnetic Resonance (HR-MAS NMR) Spectroscopy of Intact Tissue Biopsies. Annals of Surgery, 2014, 259, 1138-1149.	2.1	67
204	Chemo-informatic strategy for imaging mass spectrometry-based hyperspectral profiling of lipid signatures in colorectal cancer. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1216-1221.	3.3	120
205	Chemical mapping of the colorectal cancer microenvironment via MALDI imaging mass spectrometry (MALDIâ€™MSI) reveals novel cancerâ€™associated field effects. Molecular Oncology, 2014, 8, 39-49.	2.1	95
206	Mistargeting of Peroxisomal EHHADH and Inherited Renal Fanconi's Syndrome. New England Journal of Medicine, 2014, 370, 129-138.	13.9	99
207	Relation of raw and cooked vegetable consumption to blood pressure: the INTERMAP Study. Journal of Human Hypertension, 2014, 28, 353-359.	1.0	30
208	Discovery and validation of urinary metabolotypes for the diagnosis of hepatocellular carcinoma in West Africans. Hepatology, 2014, 60, 1291-1301.	3.6	67
209	¹ H NMR Global Metabolic Phenotyping of Acute Pancreatitis in the Emergency Unit. Journal of Proteome Research, 2014, 13, 5362-5375.	1.8	23
210	Objective Set of Criteria for Optimization of Sample Preparation Procedures for Ultra-High Throughput Untargeted Blood Plasma Lipid Profiling by Ultra Performance Liquid Chromatographyâ€™Mass Spectrometry. Analytical Chemistry, 2014, 86, 5766-5774.	3.2	234
211	Breast Milk Metabolome Characterization in a Single-Phase Extraction, Multiplatform Analytical Approach. Analytical Chemistry, 2014, 86, 8245-8252.	3.2	69
212	Bariatric Surgery Modulates Circulating and Cardiac Metabolites. Journal of Proteome Research, 2014, 13, 570-580.	1.8	48
213	Precision High-Throughput Proton NMR Spectroscopy of Human Urine, Serum, and Plasma for Large-Scale Metabolic Phenotyping. Analytical Chemistry, 2014, 86, 9887-9894.	3.2	419
214	Statistical HOMogeneous Cluster SpectroscopY (SHOCSY): An Optimized Statistical Approach for Clustering of ¹ H NMR Spectral Data to Reduce Interference and Enhance Robust Biomarkers Selection. Analytical Chemistry, 2014, 86, 5308-5315.	3.2	14
215	Comparing systemic metabolic responses in mice to single or dual infection with Plasmodium berghei and Heligmosomoides bakeri. Molecular BioSystems, 2014, 10, 2358-2367.	2.9	2
216	Age and Microenvironment Outweigh Genetic Influence on the Zucker Rat Microbiome. PLoS ONE, 2014, 9, e100916.	1.1	40

#	ARTICLE	IF	CITATIONS
217	The gut microbiota elicits a profound metabolic reorientation in the mouse jejunal mucosa during conventionalisation. <i>Gut</i> , 2013, 62, 1306-1314.	6.1	118
218	The role of metabonomics as a tool for augmenting nutritional information in epidemiological studies. <i>Electrophoresis</i> , 2013, 34, 2776-2786.	1.3	16
219	Microbial Mammalian Cometabolites Dominate the Age-associated Urinary Metabolic Phenotype in Taiwanese and American Populations. <i>Journal of Proteome Research</i> , 2013, 12, 3166-3180.	1.8	46
220	Metabonomic investigations of age- and batch-related variations in female NMRI mice using proton nuclear magnetic resonance spectroscopy. <i>Molecular BioSystems</i> , 2013, 9, 3155.	2.9	9
221	Global metabolic profiling of animal and human tissues via UPLC-MS. <i>Nature Protocols</i> , 2013, 8, 17-32.	5.5	774
222	Hyperspectral Visualization of Mass Spectrometry Imaging Data. <i>Analytical Chemistry</i> , 2013, 85, 1415-1423.	3.2	93
223	Hippurate: The Natural History of a Mammalian Microbial Cometabolite. <i>Journal of Proteome Research</i> , 2013, 12, 1527-1546.	1.8	263
224	Early Metabolic Adaptation in C57BL/6 Mice Resistant to High Fat Diet Induced Weight Gain Involves an Activation of Mitochondrial Oxidative Pathways. <i>Journal of Proteome Research</i> , 2013, 12, 1956-1968.	1.8	63
225	Gut bacteria host metabolic interplay during conventionalisation of the mouse germfree colon. <i>ISME Journal</i> , 2013, 7, 743-755.	4.4	84
226	S-Methyl-cysteine sulphoxide: the Cinderella phytochemical?. <i>Toxicology Research</i> , 2013, 2, 11-22.	0.9	47
227	Metabolic Phenotype Modulation by Caloric Restriction in a Lifelong Dog Study. <i>Journal of Proteome Research</i> , 2013, 12, 3117-3127.	1.8	26
228	1H HR-MAS NMR Spectroscopy of Tumor-Induced Local Metabolic Field-Effects Enables Colorectal Cancer Staging and Prognostication. <i>Journal of Proteome Research</i> , 2013, 12, 959-968.	1.8	103
229	A Combined Metabonomic and Proteomic Approach Identifies Frontal Cortex Changes in a Chronic Phencyclidine Rat Model in Relation to Human Schizophrenia Brain Pathology. <i>Neuropsychopharmacology</i> , 2013, 38, 2532-2544.	2.8	48
230	Urinary Phenotyping Indicates Weight Loss-Independent Metabolic Effects of Roux-en-Y Gastric Bypass in Mice. <i>Journal of Proteome Research</i> , 2013, 12, 1245-1253.	1.8	16
231	Gut Microbiomes of Malawian Twin Pairs Discordant for Kwashiorkor. <i>Science</i> , 2013, 339, 548-554.	6.0	1,012
232	Metabolic Profiling Framework for Discovery of Candidate Diagnostic Markers of Malaria. <i>Scientific Reports</i> , 2013, 3, 2769.	1.6	22
233	Weaning diet induces sustained metabolic phenotype shift in the pig and influences host response to <i>Bifidobacterium lactis</i> NCC2818. <i>Gut</i> , 2013, 62, 842-851.	6.1	26
234	Integrated Histopathological and Urinary Metabonomic Investigation of the Pathogenesis of Microcystin-LR Toxicosis. <i>Veterinary Pathology</i> , 2013, 50, 159-171.	0.8	16

#	ARTICLE	IF	CITATIONS
235	Diet composition and activity level of at risk and metabolically healthy obese american adults. <i>Obesity</i> , 2013, 21, 637-643.	1.5	81
236	Aspirin-triggered 15-epi-lipoxin A ₄ predicts cyclooxygenase-2 in the lungs of LPS-treated mice but not in the circulation: implications for a clinical test. <i>FASEB Journal</i> , 2013, 27, 3938-3946.	0.2	20
237	Dietary and Urinary Metabonomic Factors Possibly Accounting for Higher Blood Pressure of Black Compared With White Americans. <i>Hypertension</i> , 2013, 62, 1074-1080.	1.3	24
238	Novel data processing and image co-registration algorithm for region-specific lipid profiling in colorectal cancer tissue using DESI imaging mass spectrometry.. <i>Journal of Clinical Oncology</i> , 2013, 31, e14620-e14620.	0.8	1
239	A Comparison of Self-Reported Analgesic Use and Detection of Urinary Ibuprofen and Acetaminophen Metabolites by Means of Metabonomics: The INTERMAP Study. <i>American Journal of Epidemiology</i> , 2012, 175, 348-358.	1.6	30
240	The Methylazoxymethanol Acetate (MAM-E17) Rat Model: Molecular and Functional Effects in the Hippocampus. <i>Neuropsychopharmacology</i> , 2012, 37, 364-377.	2.8	53
241	Implementation of Molecular Phenotyping Approaches in the Personalized Surgical Patient Journey. <i>Annals of Surgery</i> , 2012, 255, 881-889.	2.1	34
242	Gut Microbiota Modulate the Metabolism of Brown Adipose Tissue in Mice. <i>Journal of Proteome Research</i> , 2012, 11, 620-630.	1.8	89
243	Metabolic phenotyping in clinical and surgical environments. <i>Nature</i> , 2012, 491, 384-392.	13.7	450
244	Gut Microbiota Composition and Activity in Relation to Host Metabolic Phenotype and Disease Risk. <i>Cell Metabolism</i> , 2012, 16, 559-564.	7.2	438
245	Genetic determinants of metabolism in health and disease: from biochemical genetics to genome-wide associations. <i>Genome Medicine</i> , 2012, 4, 30.	3.6	29
246	Untargeted Metabolome Quantitative Trait Locus Mapping Associates Variation in Urine Glycerate to Mutant Glycerate Kinase. <i>Journal of Proteome Research</i> , 2012, 11, 631-642.	1.8	25
247	Robust Data Processing and Normalization Strategy for MALDI Mass Spectrometric Imaging. <i>Analytical Chemistry</i> , 2012, 84, 1310-1319.	3.2	123
248	Metabotyping of Long-Lived Mice using ¹ H NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2012, 11, 2224-2235.	1.8	53
249	Urinary Metabolic Phenotyping the slc26a6 (Chloride-Oxalate Exchanger) Null Mouse Model. <i>Journal of Proteome Research</i> , 2012, 11, 4425-4435.	1.8	26
250	Molecular Validation of the Acute Phencyclidine Rat Model for Schizophrenia: Identification of Translational Changes in Energy Metabolism and Neurotransmission. <i>Journal of Proteome Research</i> , 2012, 11, 3704-3714.	1.8	30
251	Pharmacometabonomic Investigation of Dynamic Metabolic Phenotypes Associated with Variability in Response to Galactosamine Hepatotoxicity. <i>Journal of Proteome Research</i> , 2012, 11, 2427-2440.	1.8	34
252	Pharmacometabonomic Characterization of Xenobiotic and Endogenous Metabolic Phenotypes That Account for Inter-individual Variation in Isoniazid-Induced Toxicological Response. <i>Journal of Proteome Research</i> , 2012, 11, 4630-4642.	1.8	33

#	ARTICLE	IF	CITATIONS
253	Targeting the Human Genomeâ€™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
254	Intra- and Interlaboratory Reproducibility of Ultra Performance Liquid Chromatographyâ€™Time-of-Flight Mass Spectrometry for Urinary Metabolic Profiling. <i>Analytical Chemistry</i> , 2012, 84, 2424-2432.	3.2	44
255	Evaluation of High Resolution Magic-Angle Coil Spinning NMR Spectroscopy for Metabolic Profiling of Nanoliter Tissue Biopsies. <i>Analytical Chemistry</i> , 2012, 84, 3843-3848.	3.2	38
256	In-vitro Identification of Distinctive Metabolic Signatures of Intact Varicose Vein Tissue via Magic Angle Spinning Nuclear Magnetic Resonance Spectroscopy. <i>European Journal of Vascular and Endovascular Surgery</i> , 2012, 44, 442-450.	0.8	18
257	Subset Optimization by Reference Matching (STORM): An Optimized Statistical Approach for Recovery of Metabolic Biomarker Structural Information from ¹ H NMR Spectra of Biofluids. <i>Analytical Chemistry</i> , 2012, 84, 10694-10701.	3.2	75
258	Quantitative UPLC-MS/MS analysis of the gut microbial co-metabolites phenylacetylglutamine, 4-cresyl sulphate and hippurate in human urine: INTERMAP Study. <i>Analytical Methods</i> , 2012, 4, 65-72.	1.3	30
259	Characterization of data analysis methods for information recovery from metabolic ¹ H NMR spectra using artificial complex mixtures. <i>Metabolomics</i> , 2012, 8, 1170-1180.	1.4	3
260	Systematic Evaluation of Extraction Methods for Multiplatform-Based Metabotyping: Application to the <i>Fasciola hepatica</i> Metabolome. <i>Analytical Chemistry</i> , 2012, 84, 6963-6972.	3.2	41
261	Therapeutic Modulation of Microbiota-Host Metabolic Interactions. <i>Science Translational Medicine</i> , 2012, 4, 137rv6.	5.8	211
262	Host-Gut Microbiota Metabolic Interactions. <i>Science</i> , 2012, 336, 1262-1267.	6.0	3,693
263	Stability and Robustness of Human Metabolic Phenotypes in Response to Sequential Food Challenges. <i>Journal of Proteome Research</i> , 2012, 11, 643-655.	1.8	113
264	Differential Effects of Two Fermentable Carbohydrates on Central Appetite Regulation and Body Composition. <i>PLoS ONE</i> , 2012, 7, e43263.	1.1	66
265	A metabolic system-wide characterisation of the pig: a model for human physiology. <i>Molecular BioSystems</i> , 2011, 7, 2577.	2.9	101
266	Metabolic surgery profoundly influences gut microbial-host metabolic cross-talk. <i>Gut</i> , 2011, 60, 1214-1223.	6.1	391
267	Global Metabolic Phenotyping in an Experimental Laparotomy Model of Surgical Trauma. <i>Journal of Proteome Research</i> , 2011, 10, 277-287.	1.8	60
268	Response to Comment on â€™Optimized Preprocessing of Ultra-Performance Liquid Chromatography/Mass Spectrometry Urinary Metabolic Profiles for Improved Information Recoveryâ€™. <i>Analytical Chemistry</i> , 2011, 83, 9721-9722.	3.2	2
269	Identification of Human Urinary Biomarkers of Cruciferous Vegetable Consumption by Metabonomic Profiling. <i>Journal of Proteome Research</i> , 2011, 10, 4513-4521.	1.8	104
270	Understanding the role of gut microbiomeâ€™host metabolic signal disruption in health and disease. <i>Trends in Microbiology</i> , 2011, 19, 349-359.	3.5	452

#	ARTICLE	IF	CITATIONS
271	Metabolic phenotyping for monitoring surgical patients. <i>Lancet, The</i> , 2011, 377, 1817-1819.	6.3	74
272	Experimental bariatric surgery in rats generates a cytotoxic chemical environment in the gut contents. <i>Frontiers in Microbiology</i> , 2011, 2, 183.	1.5	62
273	Diabetes resolution and hyperinsulinaemia after metabolic Roux- γ gastric bypass. <i>Obesity Reviews</i> , 2011, 12, e257-72.	3.1	80
274	Evidence for disease and antipsychotic medication effects in post-mortem brain from schizophrenia patients. <i>Molecular Psychiatry</i> , 2011, 16, 1189-1202.	4.1	75
275	Variation in Antibiotic-Induced Microbial Recolonization Impacts on the Host Metabolic Phenotypes of Rats. <i>Journal of Proteome Research</i> , 2011, 10, 3590-3603.	1.8	114
276	Colonization-Induced Host-Gut Microbial Metabolic Interaction. <i>MBio</i> , 2011, 2, e00271-10.	1.8	342
277	Non-linear modeling of ^1H NMR metabonomic data using kernel-based orthogonal projections to latent structures optimized by simulated annealing. <i>Analytica Chimica Acta</i> , 2011, 705, 72-80.	2.6	13
278	HILIC-UPLC-MS for Exploratory Urinary Metabolic Profiling in Toxicological Studies. <i>Analytical Chemistry</i> , 2011, 83, 382-390.	3.2	135
279	Optimized Preprocessing of Ultra-Performance Liquid Chromatography/Mass Spectrometry Urinary Metabolic Profiles for Improved Information Recovery. <i>Analytical Chemistry</i> , 2011, 83, 5864-5872.	3.2	240
280	Data-Driven Approach for Metabolite Relationship Recovery in Biological ^1H NMR Data Sets Using Iterative Statistical Total Correlation Spectroscopy. <i>Analytical Chemistry</i> , 2011, 83, 2075-2082.	3.2	52
281	Chemometric analysis of biofluids from mice experimentally infected with <i>Schistosoma mansoni</i> . <i>Parasites and Vectors</i> , 2011, 4, 179.	1.0	30
282	Application of NMR-based metabolomics to the investigation of salt stress in maize (<i>Zea mays</i>). <i>Phytochemical Analysis</i> , 2011, 22, 214-224.	1.2	100
283	Bile UPLC-MS fingerprinting and bile acid fluxes during human liver transplantation. <i>Electrophoresis</i> , 2011, 32, 2063-2070.	1.3	38
284	Metabolic surgery and cancer. <i>Cancer</i> , 2011, 117, 1788-1799.	2.0	134
285	Bioanalysis Young Investigator: Jia Li. <i>Bioanalysis</i> , 2011, 3, 1077-1079.	0.6	1
286	Bacterial adaptation to the gut environment favors successful colonization. <i>Gut Microbes</i> , 2011, 2, 307-318.	4.3	18
287	Aberrant Adiposity and Ectopic Lipid Deposition Characterize the Adult Phenotype of the Preterm Infant. <i>Pediatric Research</i> , 2011, 70, 507-512.	1.1	99
288	Metabonomic Investigation of Single and Multiple Strain <i>Trypanosoma brucei brucei</i> Infections. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 91-98.	0.6	11

#	ARTICLE	IF	CITATIONS
289	Systemic gut microbial modulation of bile acid metabolism in host tissue compartments. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4523-4530.	3.3	625
290	Human metabolic profiles are stably controlled by genetic and environmental variation. Molecular Systems Biology, 2011, 7, 525.	3.2	158
291	Meeting-in-the-middle using metabolic profiling – a strategy for the identification of intermediate biomarkers in cohort studies. Biomarkers, 2011, 16, 83-88.	0.9	113
292	Urinary metabolites of 2-bromoethanamine identified by stable isotope labelling: evidence for carbamylation and glutathione conjugation. Xenobiotica, 2011, 41, 144-154.	0.5	9
293	A Genome-Wide Metabolic QTL Analysis in Europeans Implicates Two Loci Shaped by Recent Positive Selection. PLoS Genetics, 2011, 7, e1002270.	1.5	132
294	Liquid chromatography–mass spectrometry methods for urinary biomarker detection in metabonomic studies with application to nutritional studies. Biomedical Chromatography, 2010, 24, 737-743.	0.8	36
295	Systems biology to battle vascular disease. Nephrology Dialysis Transplantation, 2010, 25, 1019-1022.	0.4	22
296	Systems parasitology: effects of <i>Fasciola hepatica</i> on the neurochemical profile in the rat brain. Molecular Systems Biology, 2010, 6, 396.	3.2	43
297	Urinary Metabolic Phenotyping Differentiates Children with Autism from Their Unaffected Siblings and Age-Matched Controls. Journal of Proteome Research, 2010, 9, 2996-3004.	1.8	277
298	Metabolic Profiling and the Metabolome-Wide Association Study: Significance Level For Biomarker Identification. Journal of Proteome Research, 2010, 9, 4620-4627.	1.8	123
299	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
300	Chemometric and biological validation of a capillary electrophoresis metabolomic experiment of <i>Schistosoma mansoni</i> infection in mice. Electrophoresis, 2010, 31, 2338-2348.	1.3	14
301	The evolution of partial least squares models and related chemometric approaches in metabonomics and metabolic phenotyping. Journal of Chemometrics, 2010, 24, 636-649.	0.7	140
302	Intra- and inter-omic fusion of metabolic profiling data in a systems biology framework. Chemometrics and Intelligent Laboratory Systems, 2010, 104, 121-131.	1.8	51
303	High-resolution magic-angle-spinning NMR spectroscopy for metabolic profiling of intact tissues. Nature Protocols, 2010, 5, 1019-1032.	5.5	355
304	Global metabolic profiling procedures for urine using UPLC–MS. Nature Protocols, 2010, 5, 1005-1018.	5.5	867
305	Metabolic profiling strategy for discovery of nutritional biomarkers: proline betaine as a marker of citrus consumption. American Journal of Clinical Nutrition, 2010, 92, 436-443.	2.2	231
306	Metabolome-Wide Association Study Identifies Multiple Biomarkers that Discriminate North and South Chinese Populations at Differing Risks of Cardiovascular Disease: INTERMAP Study. Journal of Proteome Research, 2010, 9, 6647-6654.	1.8	116

#	ARTICLE	IF	CITATIONS
307	Bidirectional Correlation of NMR and Capillary Electrophoresis Fingerprints: A New Approach to Investigating <i>Schistosoma mansoni</i> Infection in a Mouse Model. <i>Analytical Chemistry</i> , 2010, 82, 203-210.	3.2	28
308	Integrated Cytokine and Metabolic Analysis of Pathological Responses to Parasite Exposure in Rodents. <i>Journal of Proteome Research</i> , 2010, 9, 2255-2264.	1.8	42
309	Ultra Performance Liquid Chromatography-Mass Spectrometry Profiling of Bile Acid Metabolites in Biofluids: Application to Experimental Toxicology Studies. <i>Analytical Chemistry</i> , 2010, 82, 5282-5289.	3.2	89
310	A Metabolic Entropy Approach for Measurements of Systemic Metabolic Disruptions in Patho-Physiological States. <i>Journal of Proteome Research</i> , 2010, 9, 3537-3544.	1.8	25
311	NMR-Based Metabolic Profiling Identifies Biomarkers of Liver Regeneration Following Partial Hepatectomy in the Rat. <i>Journal of Proteome Research</i> , 2010, 9, 59-69.	1.8	75
312	The evolution of metabolic profiling in parasitology. <i>Parasitology</i> , 2010, 137, 1437-1449.	0.7	18
313	Opening up the "Black Box": Metabolic phenotyping and metabolome-wide association studies in epidemiology. <i>Journal of Clinical Epidemiology</i> , 2010, 63, 970-979.	2.4	125
314	Evaluation of Full-Resolution ¹ H NMR Projections of Biofluids for Metabonomics Information Retrieval and Biomarker Identification. <i>Analytical Chemistry</i> , 2010, 82, 1811-1821.	3.2	96
315	Advances in Metabolic Profiling of Experimental Nematode and Trematode Infections. <i>Advances in Parasitology</i> , 2010, 73, 373-404.	1.4	26
316	Atrial septal defect closure is associated with a reduced prevalence of atrial tachyarrhythmia in the short to medium term: a systematic review and meta-analysis. <i>Heart</i> , 2010, 96, 1789-1797.	1.2	73
317	The influence of EDTA and citrate anticoagulant addition to human plasma on information recovery from NMR-based metabolic profiling studies. <i>Molecular BioSystems</i> , 2010, 6, 215.	2.9	70
318	Genetic algorithms for simultaneous variable and sample selection in metabonomics. <i>Bioinformatics</i> , 2009, 25, 112-118.	1.8	56
319	Intestinal ischemia/reperfusion injury: defining the role of the gut microbiome. <i>Biomarkers in Medicine</i> , 2009, 3, 175-192.	0.6	24
320	First example of hepatocyte transplantation to alleviate ornithine transcarbamylase deficiency, monitored by NMR-based metabonomics. <i>Bioanalysis</i> , 2009, 1, 1527-1535.	0.6	17
321	The Gut Microbiota as a Target for Improved Surgical Outcome and Improved Patient Care. <i>Current Pharmaceutical Design</i> , 2009, 15, 1537-1545.	0.9	36
322	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> , 2009, 39, 547-558.	1.3	65
323	Metabonomic investigations into the global biochemical sequelae of exposure to the pancreatic toxin 1- α -hydroxybutene in the rat. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, S26-35.	1.1	14
324	Chemical shift calibration of ¹ H MAS NMR liver tissue spectra exemplified using a study of glycine protection of galactosamine toxicity. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, S47-53.	1.1	13

#	ARTICLE	IF	CITATIONS
325	Metabonomic Characterization of the 3-Nitropropionic Acid Rat Model of Huntington's Disease. <i>Neurochemical Research</i> , 2009, 34, 1261-1271.	1.6	50
326	Metabonomic analysis identifies molecular changes associated with the pathophysiology and drug treatment of bipolar disorder. <i>Molecular Psychiatry</i> , 2009, 14, 269-279.	4.1	163
327	Effect of a Red Meat Meal on Human Urinary Metabotype After Cruciferous Vegetable Consumption. <i>Toxicology</i> , 2009, 262, 2.	2.0	0
328	High-resolution magic angle spinning NMR spectroscopy: Application to biomedical studies. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2009, 55, 79-100.	3.9	108
329	Identification of metabolites in human hepatic bile using 800 MHz ¹ H NMR spectroscopy, HPLC-NMR/MS and UPLC-MS. <i>Molecular BioSystems</i> , 2009, 5, 180-190.	2.9	53
330	Statistical Total Correlation Spectroscopy Editing of ¹ H NMR Spectra of Biofluids: Application to Drug Metabolite Profile Identification and Enhanced Information Recovery. <i>Analytical Chemistry</i> , 2009, 81, 6458-6466.	3.2	38
331	Dynamic Biochemical Information Recovery in Spontaneous Human Seminal Fluid Reactions via ¹ H NMR Kinetic Statistical Total Correlation Spectroscopy. <i>Analytical Chemistry</i> , 2009, 81, 288-295.	3.2	32
332	Analytic Properties of Statistical Total Correlation Spectroscopy Based Information Recovery in ¹ H NMR Metabolic Data Sets. <i>Analytical Chemistry</i> , 2009, 81, 2075-2084.	3.2	56
333	Cluster Analysis Statistical Spectroscopy Using Nuclear Magnetic Resonance Generated Metabolic Data Sets from Perturbed Biological Systems. <i>Analytical Chemistry</i> , 2009, 81, 6581-6589.	3.2	36
334	Top-Down Systems Biology Modeling of Host Metabotype~Microbiome Associations in Obese Rodents. <i>Journal of Proteome Research</i> , 2009, 8, 2361-2375.	1.8	228
335	Panorganismal Metabolic Response Modeling of an Experimental <i>Echinostoma caproni</i> Infection in the Mouse. <i>Journal of Proteome Research</i> , 2009, 8, 3899-3911.	1.8	34
336	Topographical Variation in Murine Intestinal Metabolic Profiles in Relation to Microbiome Speciation and Functional Ecological Activity. <i>Journal of Proteome Research</i> , 2009, 8, 3464-3474.	1.8	62
337	Metabolic Profiling and Population Screening of Analgesic Usage in Nuclear Magnetic Resonance Spectroscopy-Based Large-Scale Epidemiologic Studies. <i>Analytical Chemistry</i> , 2009, 81, 5119-5129.	3.2	37
338	Recursive Segment-Wise Peak Alignment of Biological ¹ H NMR Spectra for Improved Metabolic Biomarker Recovery. <i>Analytical Chemistry</i> , 2009, 81, 56-66.	3.2	303
339	Large-Scale Human Metabolic Phenotyping and Molecular Epidemiological Studies via ¹ H NMR Spectroscopy of Urine: Investigation of Borate Preservation. <i>Analytical Chemistry</i> , 2009, 81, 4847-4856.	3.2	32
340	Analyzing the Effects of Psychotropic Drugs on Metabolite Profiles in Rat Brain Using ¹ H NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2009, 8, 1943-1952.	1.8	63
341	Mechanistic Aspects and Novel Biomarkers of Responder and Non-Responder Phenotypes in Galactosamine-Induced Hepatitis. <i>Journal of Proteome Research</i> , 2009, 8, 5175-5187.	1.8	39
342	Use of <i>Echinostoma</i> spp. in studies on chemotherapy and metabolic profiling., 2009, , 295-324.		2

#	ARTICLE	IF	CITATIONS
343	Systems Metabolic Effects of a <i>Necator americanus</i> Infection in Syrian Hamster. Journal of Proteome Research, 2009, 8, 5442-5450.	1.8	28
344	Panorganismal Gut Microbiome~Host Metabolic Crosstalk. Journal of Proteome Research, 2009, 8, 2090-2105.	1.8	151
345	Gut microbiome modulates the toxicity of hydrazine: a metabonomic study. Molecular BioSystems, 2009, 5, 351.	2.9	59
346	NMR-based Metabonomics Techniques and Applications. , 2008, , 1377-1385.		1
347	The human gut microbiome: Implications for future health care. Current Gastroenterology Reports, 2008, 10, 396-403.	1.1	122
348	Fingerprinting of human bile during liver transplantation by capillary electrophoresis. Journal of Separation Science, 2008, 31, 3058-3064.	1.3	13
349	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. Analytical Chemistry, 2008, 80, 4876-4885.	3.2	24
350	Optimization of Human Plasma ¹ H NMR Spectroscopic Data Processing for High-Throughput Metabolic Phenotyping Studies and Detection of Insulin Resistance Related to Type 2 Diabetes. Analytical Chemistry, 2008, 80, 7354-7362.	3.2	56
351	Metabonomic and Microbiological Analysis of the Dynamic Effect of Vancomycin-Induced Gut Microbiota Modification in the Mouse. Journal of Proteome Research, 2008, 7, 3718-3728.	1.8	202
352	Human metabolic phenotype diversity and its association with diet and blood pressure. Nature, 2008, 453, 396-400.	13.7	966
353	Culture-independent analysis of the gut microbiota in colorectal cancer and polyposis. Environmental Microbiology, 2008, 10, 789-798.	1.8	216
354	Culture-independent analysis of the gut microbiota in colorectal cancer and polyposis. Environmental Microbiology, 2008, 10, 1382-1382.	1.8	13
355	Piecewise multivariate modelling of sequential metabolic profiling data. BMC Bioinformatics, 2008, 9, 105.	1.2	24
356	K-OPLS package: Kernel-based orthogonal projections to latent structures for prediction and interpretation in feature space. BMC Bioinformatics, 2008, 9, 106.	1.2	71
357	Systemic multicompartamental effects of the gut microbiome on mouse metabolic phenotypes. Molecular Systems Biology, 2008, 4, 219.	3.2	304
358	NMR-Based Metabolic Profiling and Metabonomic Approaches to Problems in Molecular Toxicology. Chemical Research in Toxicology, 2008, 21, 9-27.	1.7	289
359	Temporal Metabonomic Modeling of ¹³ C-Arginine-Induced Exocrine Pancreatitis. Journal of Proteome Research, 2008, 7, 4435-4445.	1.8	55
360	Metabolic changes in schizophrenia and human brain evolution. Genome Biology, 2008, 9, R124.	13.9	89

#	ARTICLE	IF	CITATIONS
361	Probiotic modulation of symbiotic gut microbial–host metabolic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , 2008, 4, 157.	3.2	392
362	Metabolic Phenotyping in Health and Disease. <i>Cell</i> , 2008, 134, 714-717.	13.5	711
363	Heteronuclear ¹⁹ F– ¹ H Statistical Total Correlation Spectroscopy as a Tool in Drug Metabolism: A Study of Flucloxacillin Biotransformation. <i>Analytical Chemistry</i> , 2008, 80, 1073-1079.	3.2	53
364	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> , 2008, 105, 6127-6132.	3.3	126
365	Species Variation in the Fecal Metabolome Gives Insight into Differential Gastrointestinal Function. <i>Journal of Proteome Research</i> , 2008, 7, 352-360.	1.8	170
366	Integrative Top-Down System Metabolic Modeling in Experimental Disease States via Data-Driven Bayesian Methods. <i>Journal of Proteome Research</i> , 2008, 7, 497-503.	1.8	28
367	Global Metabolic Responses of NMRI Mice to an Experimental <i>Plasmodium berghei</i> Infection. <i>Journal of Proteome Research</i> , 2008, 7, 3948-3956.	1.8	74
368	The Metabolome-Wide Association Study: A New Look at Human Disease Risk Factors. <i>Journal of Proteome Research</i> , 2008, 7, 3637-3638.	1.8	75
369	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
370	High-throughput ¹ H NMR-based metabolic analysis of human serum and urine for large-scale epidemiological studies: validation study. <i>International Journal of Epidemiology</i> , 2008, 37, i31-i40.	0.9	113
371	Seminal Oligouridinosi: Low Uridine Secretion as a Biomarker for Infertility in Spinal Neurotrauma. <i>Clinical Chemistry</i> , 2008, 54, 2063-2066.	1.5	21
372	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
373	Human Metabolic Phenotyping and Metabolome Wide Association Studies. Ernst Schering Research Foundation Workshop, 2008, , 227-249.	0.7	10
374	Top-down systems biology integration of conditional probiotic modulated transgenomic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , 2008, 4, 205.	3.2	86
375	Metabolic Profiling of an <i>Echinostoma caproni</i> Infection in the Mouse for Biomarker Discovery. <i>PLoS Neglected Tropical Diseases</i> , 2008, 2, e254.	1.3	62
376	Phylometabonomic Patterns of Adaptation to High Fat Diet Feeding in Inbred Mice. <i>PLoS ONE</i> , 2008, 3, e1668.	1.1	91
377	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
378	A Survey of Metabonomics Approaches for Disease Characterisation. , 2007, , 413-442.		1

#	ARTICLE	IF	CITATIONS
379	Exploiting the Potential of Metabonomics in Large Population Studies: Three Venues. , 2007, , 289-325.		5
380	Combined proteomic and metabonomic studies in three genetic forms of the renal Fanconi syndrome. American Journal of Physiology - Renal Physiology, 2007, 293, F456-F467.	1.3	55
381	A top-down systems biology view of microbiome-mammalian metabolic interactions in a mouse model. Molecular Systems Biology, 2007, 3, 112.	3.2	420
382	Metabonomics in Diabetes Research. Journal of Diabetes Science and Technology, 2007, 1, 549-557.	1.3	23
383	Prediction and Classification of Drug Toxicity Using Probabilistic Modeling of Temporal Metabolic Data: The Consortium on Metabonomic Toxicology Screening Approach. Journal of Proteome Research, 2007, 6, 4407-4422.	1.8	164
384	1869: Nuclear Magnetic Resonance Based Metabonomic Investigation of Semen, Urine and Plasma Metabolite Profiles in Healthy Volunteers and Men with Spinal Cord Injury. Journal of Urology, 2007, 177, 620-620.	0.2	1
385	Heteronuclear ¹ H- ³¹ P Statistical Total Correlation NMR Spectroscopy of Intact Liver for Metabolic Biomarker Assignment: Application to Galactosamine-Induced Hepatotoxicity. Analytical Chemistry, 2007, 79, 8956-8966.	3.2	58
386	The Metabolic Window into Systems Biology. Journal of Proteome Research, 2007, 6, 433-433.	1.8	1
387	Statistical Correlation and Projection Methods for Improved Information Recovery from Diffusion-Edited NMR Spectra of Biological Samples. Analytical Chemistry, 2007, 79, 5682-5689.	3.2	87
388	Chemometrics in Metabonomics. Journal of Proteome Research, 2007, 6, 469-479.	1.8	1,124
389	Analysis of Time-Related Metabolic Fluctuations Induced by Ethionine in the Rat. Journal of Proteome Research, 2007, 6, 4572-4581.	1.8	51
390	Effects of Probiotic Lactobacillus Paracasei Treatment on the Host Gut Tissue Metabolic Profiles Probed via Magic-Angle-Spinning NMR Spectroscopy. Journal of Proteome Research, 2007, 6, 1471-1481.	1.8	88
391	Metabonomic Studies on the Physiological Effects of Acute and Chronic Psychological Stress in Sprague-Dawley Rats. Journal of Proteome Research, 2007, 6, 2080-2093.	1.8	109
392	Metabonomic Investigations of Aging and Caloric Restriction in a Life-Long Dog Study. Journal of Proteome Research, 2007, 6, 1846-1854.	1.8	141
393	Detection of Urinary Drug Metabolite (Xenometabolome) Signatures in Molecular Epidemiology Studies via Statistical Total Correlation (NMR) Spectroscopy. Analytical Chemistry, 2007, 79, 2629-2640.	3.2	118
394	The Mechanism of Galactosamine Toxicity Revisited; A Metabonomic Study. Journal of Proteome Research, 2007, 6, 2711-2719.	1.8	66
395	Rapid and Noninvasive Metabonomic Characterization of Inflammatory Bowel Disease. Journal of Proteome Research, 2007, 6, 546-551.	1.8	539
396	Kernel-based orthogonal projections to latent structures (K-OPLS). Journal of Chemometrics, 2007, 21, 376-385.	0.7	55

#	ARTICLE	IF	CITATIONS
397	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> , 2007, 45, 263-267.	1.4	13
398	Metabolic profiling, metabolomic and metabonomic procedures for NMR spectroscopy of urine, plasma, serum and tissue extracts. <i>Nature Protocols</i> , 2007, 2, 2692-2703.	5.5	1,830
399	Metabonomics in pharmaceutical R&D. <i>FEBS Journal</i> , 2007, 274, 1140-1151.	2.2	258
400	Experimental and Analytical Variation in Human Urine in ¹ H NMR Spectroscopy-Based Metabolic Phenotyping Studies. <i>Analytical Chemistry</i> , 2007, 79, 5204-5211.	3.2	110
401	Metabonomics and Metabolomics Techniques and Their Applications in Mammalian Systems. , 2007, , 1-33.		23
402	Subtle metabolic and liver gene transcriptional changes underlie diet-induced fatty liver susceptibility in insulin-resistant mice. <i>Diabetologia</i> , 2007, 50, 1867-1879.	2.9	108
403	CSF Metabolic and Proteomic Profiles in Patients Prodromal for Psychosis. <i>PLoS ONE</i> , 2007, 2, e756.	1.1	93
404	Global Systems Biology Through Integration of α -Omics β -Results. , 2007, , 533-555.		1
405	Susceptibility of Human Metabolic Phenotypes to Dietary Modulation. <i>Journal of Proteome Research</i> , 2006, 5, 2780-2788.	1.8	337
406	Metabolic profiling reveals a contribution of gut microbiota to fatty liver phenotype in insulin-resistant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12511-12516.	3.3	948
407	Integrated Metabonomic Analysis of Bromobenzene-Induced Hepatotoxicity: A Novel Induction of 5-Oxoprolinosis. <i>Journal of Proteome Research</i> , 2006, 5, 1448-1459.	1.8	98
408	Impact of Analytical Bias in Metabonomic Studies of Human Blood Serum and Plasma. <i>Analytical Chemistry</i> , 2006, 78, 4307-4318.	3.2	226
409	Metabolic Profiling of Plasma from Discordant Schizophrenia Twins: A Correlation between Lipid Signals and Global Functioning in Female Schizophrenia Patients. <i>Journal of Proteome Research</i> , 2006, 5, 756-760.	1.8	60
410	Statistical Heterospectroscopy, an Approach to the Integrated Analysis of NMR and UPLC-MS Data Sets: An Application in Metabonomic Toxicology Studies. <i>Analytical Chemistry</i> , 2006, 78, 363-371.	3.2	330
411	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> , 2006, 5, 2185-2193.	1.8	76
412	Experimental Metabonomic Model of Dietary Variation and Stress Interactions. <i>Journal of Proteome Research</i> , 2006, 5, 1535-1542.	1.8	75
413	Statistically Integrated Metabonomic β Proteomic Studies on a Human Prostate Cancer Xenograft Model in Mice. <i>Journal of Proteome Research</i> , 2006, 5, 2642-2655.	1.8	146
414	Metabolic Characterization of the R6/2 Transgenic Mouse Model of Huntington's Disease by High-Resolution MAS ¹ H NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2006, 5, 483-492.	1.8	119

#	ARTICLE	IF	CITATIONS
415	Scaling and Normalization Effects in NMR Spectroscopic Metabonomic Data Sets. <i>Analytical Chemistry</i> , 2006, 78, 2262-2267.	3.2	438
416	Probing Latent Biomarker Signatures and in Vivo Pathway Activity in Experimental Disease States via Statistical Total Correlation Spectroscopy (STOCSY) of Biofluids: An Application to HgCl ₂ Toxicity. <i>Journal of Proteome Research</i> , 2006, 5, 1313-1320.	1.8	88
417	Assessment of Analytical Reproducibility of ¹ H NMR Spectroscopy Based Metabonomics for Large-Scale Epidemiological Research: The INTERMAP Study. <i>Analytical Chemistry</i> , 2006, 78, 2199-2208.	3.2	332
418	Systems Toxicology: An Integrated Genomic, Proteomic and Metabonomic Analysis of Methapyrilene Induced Hepatotoxicity in the Rat. <i>Journal of Proteome Research</i> , 2006, 5, 1586-1601.	1.8	143
419	Exploration of the direct metabolic effects of mercury II chloride on the kidney of Sprague-Dawley rats using high-resolution magic angle spinning ¹ H NMR spectroscopy of intact tissue and pattern recognition. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 375-381.	1.4	36
420	Statistical Search Space Reduction and Two-Dimensional Data Display Approaches for UPLC-MS in Biomarker Discovery and Pathway Analysis. <i>Analytical Chemistry</i> , 2006, 78, 4398-4408.	3.2	52
421	Metabonomics Techniques and Applications to Pharmaceutical Research & Development. <i>Pharmaceutical Research</i> , 2006, 23, 1075-1088.	1.7	256
422	The application of NMR-based metabonomics in neurological disorders. <i>NeuroRx</i> , 2006, 3, 358-372.	6.0	88
423	System level metabolic effects of a <i>Schistosoma japonicum</i> infection in the Syrian hamster. <i>Molecular and Biochemical Parasitology</i> , 2006, 146, 1-9.	0.5	91
424	OPLS discriminant analysis: combining the strengths of PLS-DA and SIMCA classification. <i>Journal of Chemometrics</i> , 2006, 20, 341-351.	0.7	1,134
425	The Assessment of Plant Metabolite Profiles by NMR-Based Methodologies. <i>Planta Medica</i> , 2006, 72, 771-785.	0.7	113
426	Metabolic Profiling of CSF: Evidence That Early Intervention May Impact on Disease Progression and Outcome in Schizophrenia. <i>PLoS Medicine</i> , 2006, 3, e327.	3.9	242
427	The application of NMR-based metabonomics in neurological disorders. <i>Neurotherapeutics</i> , 2006, 3, 358-372.	2.1	0
428	Global systems biology and personalized healthcare solutions. <i>Discovery Medicine</i> , 2006, 6, 63-70.	0.5	18
429	Metabonomic Applications in Toxicity Screening and Disease Diagnosis. , 2005, , 121-147.		1
430	Biofluid ¹ H NMR-based metabonomic techniques in nutrition research - metabolic effects of dietary isoflavones in humans. <i>Journal of Nutritional Biochemistry</i> , 2005, 16, 236-244.	1.9	149
431	Curve-Fitting Method for Direct Quantitation of Compounds in Complex Biological Mixtures Using ¹ H NMR: An Application in Metabonomic Toxicology Studies. <i>Analytical Chemistry</i> , 2005, 77, 4556-4562.	3.2	73
432	A Metabonomic Strategy for the Detection of the Metabolic Effects of Chamomile (<i>Matricaria</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.4	243

#	ARTICLE	IF	CITATIONS
433	Summary recommendations for standardization and reporting of metabolic analyses. <i>Nature Biotechnology</i> , 2005, 23, 833-838.	9.4	261
434	Gut microorganisms, mammalian metabolism and personalized health care. <i>Nature Reviews Microbiology</i> , 2005, 3, 431-438.	13.6	861
435	Comparative metabonomics of differential hydrazine toxicity in the rat and mouse. <i>Toxicology and Applied Pharmacology</i> , 2005, 204, 135-151.	1.3	125
436	NMR-based metabonomic approaches for evaluating physiological influences on biofluid composition. <i>NMR in Biomedicine</i> , 2005, 18, 143-162.	1.6	425
437	Metabolic characterization of distinct neuroanatomical regions in rats by magic angle spinning ^1H nuclear magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 1018-1024.	1.9	63
438	Sexual dimorphism in urinary metabolite profiles of Han Wistar rats revealed by nuclear-magnetic-resonance-based metabonomics. <i>Analytical Biochemistry</i> , 2005, 343, 195-202.	1.1	55
439	Chemometric analysis of biofluids following toxicant induced hepatotoxicity: A metabonomic approach to distinguish the effects of 1-naphthylisothiocyanate from its products. <i>Xenobiotica</i> , 2005, 35, 839-852.	0.5	35
440	The Consortium for Metabonomic Toxicology (COMET): aims, activities and achievements. <i>Pharmacogenomics</i> , 2005, 6, 691-699.	0.6	277
441	Variation in Gut Microbiota Strongly Influences Individual Rodent Phenotypes. <i>Toxicological Sciences</i> , 2005, 87, 1-2.	1.4	42
442	Evaluation of the Orthogonal Projection on Latent Structure Model Limitations Caused by Chemical Shift Variability and Improved Visualization of Biomarker Changes in ^1H NMR Spectroscopic Metabonomic Studies. <i>Analytical Chemistry</i> , 2005, 77, 517-526.	3.2	553
443	Biochemical Characterization of Rat Intestine Development Using High-Resolution Magic-Angle-Spinning ^1H NMR Spectroscopy and Multivariate Data Analysis. <i>Journal of Proteome Research</i> , 2005, 4, 1324-1329.	1.8	61
444	Characterization of the biochemical effects of 1-nitronaphthalene in rats using global metabolic profiling by NMR spectroscopy and pattern recognition. <i>Biomarkers</i> , 2005, 10, 401-416.	0.9	48
445	Integrated Metabonomic Analysis of the Multiorgan Effects of Hydrazine Toxicity in the Rat. <i>Chemical Research in Toxicology</i> , 2005, 18, 115-122.	1.7	464
446	Metabolic Assessment of Human Liver Transplants from Biopsy Samples at the Donor and Recipient Stages Using High-Resolution Magic Angle Spinning ^1H NMR Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 5570-5578.	3.2	102
447	Statistical Total Correlation Spectroscopy: An Exploratory Approach for Latent Biomarker Identification from Metabolic ^1H NMR Data Sets. <i>Analytical Chemistry</i> , 2005, 77, 1282-1289.	3.2	833
448	Metabonomic Deconvolution Of Embedded Toxicity: Application To Thioacetamide Hepato- and Nephrotoxicity. <i>Chemical Research in Toxicology</i> , 2005, 18, 639-654.	1.7	141
449	Extraction, interpretation and validation of information for comparing samples in metabolic LC/MS data sets. <i>Analyst</i> , 2005, 130, 701-707.	1.7	114
450	An Overview of Metabonomics. , 2005, , 1-26.		0

#	ARTICLE	IF	CITATIONS
451	An NMR-based metabolomic approach to the analysis of the effects of xenobiotics on endogenous metabolite levels in plants. <i>Spectroscopy</i> , 2004, 18, 279-287.	0.8	11
452	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> , 2004, 101, 12676-12681.	3.3	265
453	Multiple parasite infections and their relationship to self-reported morbidity in a community of rural Cote d'Ivoire. <i>International Journal of Epidemiology</i> , 2004, 33, 1092-1102.	0.9	180
454	The challenges of modeling mammalian biocomplexity. <i>Nature Biotechnology</i> , 2004, 22, 1268-1274.	9.4	351
455	Prediction of anti-plasmodial activity of <i>Artemisia annua</i> extracts: application of NMR spectroscopy and chemometrics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 117-126.	1.4	65
456	Using chemometrics for navigating in the large data sets of genomics, proteomics, and metabonomics (gpm). <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 419-429.	1.9	245
457	Evaluation of metabolic variation in normal rat strains from a statistical analysis of ¹ H NMR spectra of urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 823-833.	1.4	33
458	Toxicological applications of magnetic resonance. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2004, 45, 109-143.	3.9	118
459	Statistical experimental design and partial least squares regression analysis of biofluid metabonomic NMR and clinical chemistry data for screening of adverse drug effects. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004, 73, 139-149.	1.8	64
460	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
461	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
462	Geometric Trajectory Analysis of Metabolic Responses To Toxicity Can Define Treatment Specific Profiles. <i>Chemical Research in Toxicology</i> , 2004, 17, 579-587.	1.7	143
463	Metabonomics and its role in drug development and disease diagnosis. <i>Expert Review of Molecular Diagnostics</i> , 2004, 4, 189-199.	1.5	161
464	Metabonomics technologies and their applications in physiological monitoring, drug safety assessment and disease diagnosis. <i>Biomarkers</i> , 2004, 9, 1-31.	0.9	425
465	Metabonomics as a Tool for Understanding Lipid Metabolism. , 2004, , 405-422.		0
466	Metabonomics and Its Role in Disease Diagnosis. , 2004, , 797-802.		0
467	Metabonomics: systems biology in pharmaceutical research and development. <i>Current Opinion in Molecular Therapeutics</i> , 2004, 6, 265-72.	2.8	56
468	Spectral editing and pattern recognition methods applied to high-resolution magic-angle spinning ¹ H nuclear magnetic resonance spectroscopy of liver tissues. <i>Analytical Biochemistry</i> , 2003, 323, 26-32.	1.1	144

#	ARTICLE	IF	CITATIONS
469	Contemporary issues in toxicology the role of metabonomics in toxicology and its evaluation by the COMET project. <i>Toxicology and Applied Pharmacology</i> , 2003, 187, 137-146.	1.3	374
470	Application of biofluid 1H nuclear magnetic resonance-based metabonomic techniques for the analysis of the biochemical effects of dietary isoflavones on human plasma profile. <i>Analytical Biochemistry</i> , 2003, 323, 197-204.	1.1	197
471	NMR-based metabonomic toxicity classification: hierarchical cluster analysis and k-nearest-neighbour approaches. <i>Analytica Chimica Acta</i> , 2003, 490, 3-15.	2.6	142
472	Improved analysis of multivariate data by variable stability scaling: application to NMR-based metabolic profiling. <i>Analytica Chimica Acta</i> , 2003, 490, 265-276.	2.6	164
473	Toxicity classification from metabonomic data using a density superposition approach: â€˜CLOUDSâ€™. <i>Analytica Chimica Acta</i> , 2003, 490, 109-122.	2.6	76
474	Metabolomic analysis of the consequences of cadmium exposure in <i>Silene cucubalus</i> cell cultures via 1H NMR spectroscopy and chemometrics. <i>Phytochemistry</i> , 2003, 62, 851-858.	1.4	119
475	Application of chemometrics to 1H NMR spectroscopic data to investigate a relationship between human serum metabolic profiles and hypertension. <i>Analyst, The</i> , 2003, 128, 32-36.	1.7	179
476	Peer Reviewed: So Whatâ€™s the Deal with Metabonomics?. <i>Analytical Chemistry</i> , 2003, 75, 384 A-391 A.	3.2	189
477	A metabonomic investigation of hepatotoxicity using diffusion-edited 1H NMR spectroscopy of blood serum. <i>Analyst, The</i> , 2003, 128, 814.	1.7	52
478	NMR-Based Metabonomic Studies on the Biochemical Effects of Epicatechin in the Rat. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 4139-4145.	2.4	61
479	Multi-Component Metabolic Classification of Commercial Feverfew Preparations via High-Field 1H-NMR Spectroscopy and Chemometrics. <i>Planta Medica</i> , 2002, 68, 734-738.	0.7	72
480	Metabonomic Applications in Toxicity Screening and Disease Diagnosis. <i>Current Topics in Medicinal Chemistry</i> , 2002, 2, 35-51.	1.0	172
481	Structure-metabolism relationships of substituted anilines: prediction of N-acetylation and N-oxanilic acid formation using computational chemistry. <i>Xenobiotica</i> , 2002, 32, 267-277.	0.5	13
482	Application of Directly Coupled High Performance Liquid Chromatography-NMR-Mass Spectrometry and 1H NMR Spectroscopic Studies to the Investigation of 2,3-Benzofuran Metabolism in Sprague-Dawley Rats. <i>Drug Metabolism and Disposition</i> , 2002, 30, 1357-1363.	1.7	17
483	Metabolic Profiling of the Effects of D-Galactosamine in Liver Spheroids Using 1H NMR and MAS-NMR Spectroscopy. <i>Chemical Research in Toxicology</i> , 2002, 15, 1351-1359.	1.7	48
484	Chemometric contributions to the evolution of metabonomics: mathematical solutions to characterising and interpreting complex biological NMR spectra. <i>Analyst, The</i> , 2002, 127, 1549-1557.	1.7	217
485	Application of orthogonal signal correction to minimise the effects of physical and biological variation in high resolution 1H NMR spectra of biofluids. <i>Analyst, The</i> , 2002, 127, 1283-1288.	1.7	92
486	Rapid and noninvasive diagnosis of the presence and severity of coronary heart disease using 1H-NMR-based metabonomics. <i>Nature Medicine</i> , 2002, 8, 1439-1445.	15.2	941

#	ARTICLE	IF	CITATIONS
487	NMR-Based Metabonomic Studies on the Biochemical Effects of Commonly Used Drug Carrier Vehicles in the Rat. <i>Chemical Research in Toxicology</i> , 2002, 15, 1136-1141.	1.7	59
488	Metabolic trajectory characterisation of xenobiotic-induced hepatotoxic lesions using statistical batch processing of NMR data. <i>Analyst, The</i> , 2002, 127, 271-276.	1.7	48
489	Determination of Drug Plasma Protein Binding Kinetics and Equilibria by Chromatographic Profiling: Exemplification of the Method Using L-Tryptophan and Albumin. <i>Analytical Chemistry</i> , 2002, 74, 446-452.	3.2	100
490	NMR and pattern recognition studies on liver extracts and intact livers from rats treated with $\hat{1}\pm$ -naphthylisothiocyanate. <i>Biochemical Pharmacology</i> , 2002, 64, 67-77.	2.0	143
491	Batch statistical processing of 1H NMR-derived urinary spectral data. <i>Journal of Chemometrics</i> , 2002, 16, 461-468.	0.7	82
492	Metabonomics: a platform for studying drug toxicity and gene function. <i>Nature Reviews Drug Discovery</i> , 2002, 1, 153-161.	21.5	1,739
493	Analytical Reproducibility in 1H NMR-Based Metabonomic Urinalysis. <i>Chemical Research in Toxicology</i> , 2002, 15, 1380-1386.	1.7	261
494	NMR and Pattern Recognition Studies on the Time-Related Metabolic Effects of $\hat{1}\pm$ -Naphthylisothiocyanate on Liver, Urine, and Plasma in the Rat: An Integrative Metabonomic Approach. <i>Chemical Research in Toxicology</i> , 2001, 14, 1401-1412.	1.7	204
495	Investigation of water environments in a C18 bonded silica phase using 1H magic angle spinning (MAS) nuclear magnetic resonance (NMR) spectroscopy. <i>Analyst, The</i> , 2001, 126, 548-550.	1.7	5
496	Metabonomic Characterization of Genetic Variations in Toxicological and Metabolic Responses Using Probabilistic Neural Networks. <i>Chemical Research in Toxicology</i> , 2001, 14, 182-191.	1.7	183
497	Metabonomic Investigations into Hydrazine Toxicity in the Rat. <i>Chemical Research in Toxicology</i> , 2001, 14, 975-987.	1.7	179
498	Pattern recognition methods and applications in biomedical magnetic resonance. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2001, 39, 1-40.	3.9	384
499	Detection of in vivo biomarkers of phospholipidosis using NMR-based metabonomic approaches. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 559-565.	1.1	62
500	High-resolution 1H NMR and magic angle spinning NMR spectroscopic investigation of the biochemical effects of 2-bromoethanamine in intact renal and hepatic tissue. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 781-790.	1.9	98
501	Directly Coupled High-Performance Liquid Chromatography and Nuclear Magnetic Resonance Spectroscopic with Chemometric Studies on Metabolic Variation in Sprague-Dawley Rats. <i>Analytical Biochemistry</i> , 2001, 291, 245-252.	1.1	84
502	Investigations into Biochemical Changes Due to Diurnal Variation and Estrus Cycle in Female Rats Using High-Resolution 1H NMR Spectroscopy of Urine and Pattern Recognition. <i>Analytical Biochemistry</i> , 2001, 295, 194-202.	1.1	182
503	Distinction between normal and renal cell carcinoma kidney cortical biopsy samples using pattern recognition of 1H magic angle spinning (MAS) NMR spectra. <i>NMR in Biomedicine</i> , 2000, 13, 64-71.	1.6	94
504	High-Resolution Magic Angle Spinning 1H NMR Spectroscopy of Intact Liver and Kidney: Optimization of Sample Preparation Procedures and Biochemical Stability of Tissue during Spectral Acquisition. <i>Analytical Biochemistry</i> , 2000, 282, 16-23.	1.1	121

#	ARTICLE	IF	CITATIONS
505	High-resolution ^1H and ^1H - ^{13}C magic angle spinning NMR spectroscopy of rat liver. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 201-207.	1.9	164
506	Metabonomics: Metabolic processes studied by NMR spectroscopy of biofluids. <i>Concepts in Magnetic Resonance</i> , 2000, 12, 289-320.	1.3	401
507	NMR spectroscopy based metabonomic studies on the comparative biochemistry of the kidney and urine of the bank vole (<i>Clethrionomys glareolus</i>), wood mouse (<i>Apodemus sylvaticus</i>), white toothed shrew (<i>Crocidura suaveolens</i>) and the laboratory rat. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2000, 127, 357-367.	0.7	94
508	An NMR-based metabonomic approach to investigate the biochemical consequences of genetic strain differences: application to the C57BL10J and Alpk:ApfCD mouse. <i>FEBS Letters</i> , 2000, 484, 169-174.	1.3	291
509	Chemometric Models for Toxicity Classification Based on NMR Spectra of Biofluids. <i>Chemical Research in Toxicology</i> , 2000, 13, 471-478.	1.7	277
510	Quantitative structure-metabolism relationships (QSMR) using computational chemistry: pattern recognition analysis and statistical prediction of phase II conjugation reactions of substituted benzoic acids in the rat. <i>Xenobiotica</i> , 1999, 29, 27-42.	0.5	40
511	High-resolution magic angle spinning ^1H NMR spectroscopic studies on intact rat renal cortex and medulla. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 1108-1118.	1.9	172
512	An integrated proteomic approach to studying glomerular nephrotoxicity. <i>Electrophoresis</i> , 1999, 20, 3647-3658.	1.3	78
513	'Metabonomics': understanding the metabolic responses of living systems to pathophysiological stimuli via multivariate statistical analysis of biological NMR spectroscopic data. <i>Xenobiotica</i> , 1999, 29, 1181-1189.	0.5	3,429
514	Development of a model for classification of toxin-induced lesions using ^1H NMR spectroscopy of urine combined with pattern recognition. , 1998, 11, 235-244.		198
515	The identification of novel biomarkers of renal toxicity using automatic data reduction techniques and PCA of proton NMR spectra of urine. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1998, 44, 245-255.	1.8	143
516	Application of chemometrics to the ^1H NMR spectra of apple juices: discrimination between apple varieties. <i>Food Chemistry</i> , 1998, 61, 207-213.	4.2	162
517	Nuclear Magnetic Resonance Spectroscopic and Principal Components Analysis Investigations into Biochemical Effects of Three Model Hepatotoxins. <i>Chemical Research in Toxicology</i> , 1998, 11, 260-272.	1.7	276
518	Uroscopy in the 21st century: high-field NMR spectroscopy. <i>Nephrology Dialysis Transplantation</i> , 1997, 12, 404-417.	0.4	54
519	^1H NMR Spectroscopic and Histopathological Studies on Propyleneimine-Induced Renal Papillary Necrosis in the Rat and the Multimammate Desert Mouse (<i>Mastomys natalensis</i>). <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1997, 116, 125-134.	0.5	19
520	Proton NMR Spectroscopic Studies on Tissue Extracts of Invertebrate Species with Pollution Indicator Potential. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1997, 118, 587-598.	0.7	31
521	750 MHz ^1H NMR spectroscopy characterisation of the complex metabolic pattern of urine from patients with inborn errors of metabolism: 2-hydroxyglutaric aciduria and maple syrup urine disease. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 15, 1647-1659.	1.4	152
522	Comparative biochemical effects of low doses of mercury II chloride in the F344 rat and the multimammate mouse (<i>Mastomys natalensis</i>). <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1996, 114, 7-15.	0.5	12

#	ARTICLE	IF	CITATIONS
523	Use of High-Field ¹ H NMR Spectroscopy for the Analysis of Liquid Foods. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 1483-1487.	2.4	69
524	¹ H and ¹⁹ F-nmr spectroscopic studies on the metabolism and urinary excretion of mono- and disubstituted phenols in the rat. <i>Xenobiotica</i> , 1996, 26, 255-273.	0.5	21
525	Comparative studies on the nephrotoxicity of 2-bromoethanamine hydrobromide in the Fischer 344 rat and the multimammate desert mouse (<i>Mastomys natalensis</i>). <i>Archives of Toxicology</i> , 1995, 70, 89-95.	1.9	42
526	Prediction of urinary sulphate and glucuronide conjugate excretion for substituted phenols in the rat using quantitative structure-metabolism relationships. <i>Xenobiotica</i> , 1995, 25, 1269-1281.	0.5	25
527	¹ H and ² H NMR spectroscopic studies on the metabolism and biochemical effects of 2-bromoethanamine in the rat. <i>Biochemical Pharmacology</i> , 1995, 49, 1349-1359.	2.0	40
528	¹ H NMR Spectroscopic Studies on the Reactions of Haloalkylamines with Bicarbonate Ions: Formation of N-Carbamates and 2-Oxazolidones in Cell Culture Media and Blood Plasma. <i>Chemical Research in Toxicology</i> , 1995, 8, 1046-1053.	1.7	15
529	Automatic Data Reduction and Pattern Recognition Methods for Analysis of ¹ H Nuclear Magnetic Resonance Spectra of Human Urine from Normal and Pathological States. <i>Analytical Biochemistry</i> , 1994, 220, 284-296.	1.1	212
530	Automatic reduction of NMR spectroscopic data for statistical and pattern recognition classification of samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 1215-1225.	1.4	103
531	600 MHz ¹ H-NMR spectroscopy of human cerebrospinal fluid: Effects of sample manipulation and assignment of resonances. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 651-664.	1.4	81
532	Mapping the biochemical trajectory of nephrotoxicity by pattern recognition of NMR urinalysis. <i>NMR in Biomedicine</i> , 1992, 5, 368-372.	1.6	41
533	Proton NMR analysis of plasma from renal failure patients: Evaluation of sample preparation and spectral-editing methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990, 8, 955-958.	1.4	18
534	Proton NMR monitoring of the onset and recovery of experimental renal damage. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990, 8, 959-962.	1.4	24
535	The Development of a Metabonomic-Based Drug Safety Testing Paradigm. , 0, , 309-343.		0
536	Metabonomics: Metabolic processes studied by NMR spectroscopy of biofluids. , 0, .		2