

Jeremy K Nicholson

List of Publications by Year in descending order

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Version: 2024-02-01

791
papers

91,144
citations

299

139
h-index

507

268
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828
all docs

828
docs citations

828
times ranked

59662
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.5	17
2	Balancing the Equation: A Natural History of Trimethylamine and Trimethylamine- <i>N</i> -oxide. <i>Journal of Proteome Research</i> , 2022, 21, 560-589.	3.7	19
3	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.	6.5	13
4	Metabolic Modeling in Health and Disease. <i>Journal of Proteome Research</i> , 2022, 21, 559-559.	3.7	0
5	Integrated fecal microbiome "metabolome signatures reflect stress and serotonin metabolism in irritable bowel syndrome. <i>Gut Microbes</i> , 2022, 14, 2063016.	9.8	28
6	Higher premonitory serum testosterone predicts COVID-19-related mortality risk in men. <i>European Journal of Endocrinology</i> , 2022, 187, 159-170.	3.7	8
7	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.	4.1	1
8	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.	5.5	23
9	Neuroendocrine Neoplasms: Identification of Novel Metabolic Circuits of Potential Diagnostic Utility. <i>Cancers</i> , 2021, 13, 374.	3.7	3
10	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.	3.7	61
11	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.	9.8	18
12	A targeted ultra performance liquid chromatography " Tandem mass spectrometric assay for tyrosine and metabolites in urine and plasma: Application to the effects of antibiotics on mice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1164, 122511.	2.3	7
13	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.	6.5	43
14	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.	3.7	81
15	A Metabolite Array Technology for Precision Medicine. <i>Analytical Chemistry</i> , 2021, 93, 5709-5717.	6.5	112
16	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.	3.7	85
17	Human and preclinical studies of the host "gut microbiome co-metabolite hippurate as a marker and mediator of metabolic health. <i>Gut</i> , 2021, 70, 2105-2114.	12.1	58
18	Iron status influences non-alcoholic fatty liver disease in obesity through the gut microbiome. <i>Microbiome</i> , 2021, 9, 104.	11.1	70

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19	Longitudinal analysis reveals that delayed bystander CD8+ T cell activation and early immune pathology distinguish severe COVID-19 from mild disease. <i>Immunity</i> , 2021, 54, 1257-1275.e8.	14.3	230
20	Roux-en-Y gastric bypass-induced bacterial perturbation contributes to altered host-bacterial co-metabolic phenotype. <i>Microbiome</i> , 2021, 9, 139.	11.1	26
21	Diagnostic Potential of the Plasma Lipidome in Infectious Disease: Application to Acute SARS-CoV-2 Infection. <i>Metabolites</i> , 2021, 11, 467.	2.9	33
22	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, .	7.1	75
23	Molecular Phenomic Approaches to Deconvolving the Systemic Effects of SARS-CoV-2 Infection and Post-acute COVID-19 Syndrome. <i>Phenomics</i> , 2021, 1, 143-150.	2.9	15
24	Statistical analysis in metabolic phenotyping. <i>Nature Protocols</i> , 2021, 16, 4299-4326.	12.0	40
25	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.	3.7	31
26	Dietary fibre to reduce colon cancer risk in Alaska Native people: the Alaska FIRST randomised clinical trial protocol. <i>BMJ Open</i> , 2021, 11, e047162.	1.9	2
27	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.	3.7	24
28	Development and validation of a high performance liquid chromatography-tandem mass spectrometry method for the absolute analysis of 17 \pm D-amino acids in cooked meals. <i>Journal of Chromatography A</i> , 2020, 1611, 460598.	3.7	8
29	A prospective cohort analysis of gut microbial co-metabolism in Alaska Native and rural African people at high and low risk of colorectal cancer. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 406-419.	4.7	52
30	Identifying unknown metabolites using NMR-based metabolic profiling techniques. <i>Nature Protocols</i> , 2020, 15, 2538-2567.	12.0	69
31	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.	3.7	39
32	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.	3.7	142
33	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.	6.5	9
34	Urinary metabolic phenotyping for Alzheimer's disease. <i>Scientific Reports</i> , 2020, 10, 21745.	3.3	30
35	Metabolic Phenotyping Using UPLC-MS and Rapid Microbore UPLC-MS: Determination of the Effect of Different Dietary Regimes on the Urinary Metabolome of the Rat. <i>Chromatographia</i> , 2020, 83, 853-861.	1.3	6
36	Nutriome-metabolome relationships provide insights into dietary intake and metabolism. <i>Nature Food</i> , 2020, 1, 426-436.	14.0	41

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37	A Two-Way Interaction between Methotrexate and the Gut Microbiota of Male Spragueâ€Dawley Rats. <i>Journal of Proteome Research</i> , 2020, 19, 3326-3339.	3.7	35
38	Metabolic Fingerprinting Links Oncogenic PIK3CA with Enhanced Arachidonic Acid-Derived Eicosanoids. <i>Cell</i> , 2020, 181, 1596-1611.e27.	28.9	77
39	Longitudinal metabolic and gut bacterial profiling of pregnant women with previous bariatric surgery. <i>Gut</i> , 2020, 69, 1452-1459.	12.1	23
40	SPUTNIK: an R package for filtering of spatially related peaks in mass spectrometry imaging data. <i>Bioinformatics</i> , 2019, 35, 178-180.	4.1	20
41	The gut microbiota influences skeletal muscle mass and function in mice. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	271
42	The nPYc-Toolbox, a Python module for the pre-processing, quality-control and analysis of metabolic profiling datasets. <i>Bioinformatics</i> , 2019, 35, 5359-5360.	4.1	30
43	Association of Untargeted Urinary Metabolomics and Lung Cancer Risk Among Never-Smoking Women in China. <i>JAMA Network Open</i> , 2019, 2, e1911970.	5.9	24
44	A Unified Conceptual Framework for Metabolic Phenotyping in Diagnosis and Prognosis. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 763-773.	8.7	21
45	A comparison of collision cross section values obtained via travelling wave ion mobility-mass spectrometry and ultra high performance liquid chromatography-ion mobility-mass spectrometry: Application to the characterisation of metabolites in rat urine. <i>Journal of Chromatography A</i> , 2019, 1602, 386-396.	3.7	34
46	Systematic Isolation and Structure Elucidation of Urinary Metabolites Optimized for the Analytical-Scale Molecular Profiling Laboratory. <i>Analytical Chemistry</i> , 2019, 91, 8873-8882.	6.5	11
47	Serum metabolic signatures of coronary and carotid atherosclerosis and subsequent cardiovascular disease. <i>European Heart Journal</i> , 2019, 40, 2883-2896.	2.2	107
48	Differences in Fecal Gut Microbiota, Short-Chain Fatty Acids and Bile Acids Link Colorectal Cancer Risk to Dietary Changes Associated with Urbanization Among Zimbabweans. <i>Nutrition and Cancer</i> , 2019, 71, 1313-1324.	2.0	28
49	Ultrahigh-Performance Liquid Chromatography Tandem Mass Spectrometry with Electrospray Ionization Quantification of Tryptophan Metabolites and Markers of Gut Health in Serum and Plasmaâ€Application to Clinical and Epidemiology Cohorts. <i>Analytical Chemistry</i> , 2019, 91, 5207-5216.	6.5	72
50	Systems Genetics of Hepatic Metabolome Reveals Octopamine as a Target for Non-Alcoholic Fatty Liver Disease Treatment. <i>Scientific Reports</i> , 2019, 9, 3656.	3.3	11
51	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.	3.7	6
52	Network Mapping of Molecular Biomarkers Influencing Radiation Response in Rectal Cancer. <i>Clinical Colorectal Cancer</i> , 2019, 18, e210-e222.	2.3	7
53	Neurogenesis and longevity signaling in young germ-free mice transplanted with the gut microbiota of old mice. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	122
54	The metabolic fate and effects of 2-Bromophenol in male Spragueâ€Dawley rats. <i>Xenobiotica</i> , 2019, 49, 1352-1359.	1.1	2

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55	A validated UPLC-MS/MS assay for the quantification of amino acids and biogenic amines in rat urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1106-1107, 50-57.	2.3	8
56	Reduced plasma levels of small HDL particles transporting fibrinolytic proteins in pulmonary arterial hypertension. <i>Thorax</i> , 2019, 74, 380-389.	5.6	34
57	pJRES Binning Algorithm (JBA): a new method to facilitate the recovery of metabolic information from pJRES 1H NMR spectra. <i>Bioinformatics</i> , 2019, 35, 1916-1922.	4.1	12
58	Conception, Implementation and Operation of Large-Scale Metabolic Phenotyping Centres: Phenome Centres. , 2019, , 385-405.		0
59	Metabolic Phenotyping: History, Status, and Prospects. , 2019, , 571-583.		0
60	Untargeted Mass Spectrometry Lipidomics identifies correlation between serum sphingomyelins and plasma cholesterol. <i>Lipids in Health and Disease</i> , 2019, 18, 38.	3.0	21
61	Application of novel solid phase extraction-NMR protocols for metabolic profiling of human urine. <i>Faraday Discussions</i> , 2019, 218, 395-416.	3.2	0
62	Abstract 5269: Discovery and validation of plasma acylcarnitines for the early diagnosis of hepatocellular carcinoma. , 2019, , .		1
63	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.	3.7	29
64	Paracetamol metabolism, hepatotoxicity, biomarkers and therapeutic interventions: a perspective. <i>Toxicology Research</i> , 2018, 7, 347-357.	2.1	70
65	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.	4.7	46
66	MWASTools: an R/bioconductor package for metabolome-wide association studies. <i>Bioinformatics</i> , 2018, 34, 890-892.	4.1	18
67	Metabolic retroconversion of trimethylamine N-oxide and the gut microbiota. <i>Microbiome</i> , 2018, 6, 73.	11.1	127
68	BASIS: High-performance bioinformatics platform for processing of large-scale mass spectrometry imaging data in chemically augmented histology. <i>Scientific Reports</i> , 2018, 8, 4053.	3.3	30
69	The Frobenius problem for the shuffle operation. <i>Semigroup Forum</i> , 2018, 96, 160-177.	0.6	1
70	The pathophysiology of human obstructive cholestasis is mimicked in cholestatic Gold Syrian hamsters. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 942-951.	3.8	11
71	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.	3.7	19
72	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.	6.5	165

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73	Molecular phenomics and metagenomics of hepatic steatosis in non-diabetic obese women. <i>Nature Medicine</i> , 2018, 24, 1070-1080.	30.7	465
74	The effects of kisspeptin on β -cell function, serum metabolites and appetite in humans. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2800-2810.	4.4	74
75	Microbiome-host systems interactions: protective effects of propionate upon the blood-brain barrier. <i>Microbiome</i> , 2018, 6, 55.	11.1	324
76	Vaginal dysbiosis increases risk of preterm fetal membrane rupture, neonatal sepsis and is exacerbated by erythromycin. <i>BMC Medicine</i> , 2018, 16, 9.	5.5	202
77	XCMS-MRM and METLIN-MRM: a cloud library and public resource for targeted analysis of small molecules. <i>Nature Methods</i> , 2018, 15, 681-684.	19.0	112
78	Abstract 4974: Prospective study of untargeted urinary metabolomics and risk of lung cancer among female never-smokers in Shanghai, China. , 2018, , .		1
79	MetaboSignal: a network-based approach for topological analysis of metabotype regulation <i>via</i> metabolic and signaling pathways. <i>Bioinformatics</i> , 2017, 33, 773-775.	4.1	20
80	The interaction between vaginal microbiota, cervical length, and vaginal progesterone treatment for preterm birth risk. <i>Microbiome</i> , 2017, 5, 6.	11.1	266
81	Objective assessment of dietary patterns by use of metabolic phenotyping: a randomised, controlled, crossover trial. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 184-195.	11.4	194
82	Deep learning and 3D-DESI imaging reveal the hidden metabolic heterogeneity of cancer. <i>Chemical Science</i> , 2017, 8, 3500-3511.	7.4	117
83	Integrated Analytical and Statistical Two-Dimensional Spectroscopy Strategy for Metabolite Identification: Application to Dietary Biomarkers. <i>Analytical Chemistry</i> , 2017, 89, 3300-3309.	6.5	46
84	High-Speed Quantitative UPLC-MS Analysis of Multiple Amines in Human Plasma and Serum via Precolumn Derivatization with 6-Aminoquinolyl-N-hydroxysuccinimidyl Carbamate: Application to Acetaminophen-Induced Liver Failure. <i>Analytical Chemistry</i> , 2017, 89, 2478-2487.	6.5	78
85	Optimization and Application of Direct Infusion Nanoelectrospray HRMS Method for Large-Scale Urinary Metabolic Phenotyping in Molecular Epidemiology. <i>Journal of Proteome Research</i> , 2017, 16, 1646-1658.	3.7	42
86	Gut microbiota modulation of chemotherapy efficacy and toxicity. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 356-365.	17.8	643
87	Ion mobility spectrometry combined with ultra performance liquid chromatography/mass spectrometry for metabolic phenotyping of urine: Effects of column length, gradient duration and ion mobility spectrometry on metabolite detection. <i>Analytica Chimica Acta</i> , 2017, 982, 1-8.	5.4	53
88	Application of ^1H NMR spectroscopy to the metabolic phenotyping of rodent brain extracts: A metabonomic study of gut microbial influence on host brain metabolism. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 141-146.	2.8	24
89	Longitudinal analysis of serum oxylipin profile as a novel descriptor of the inflammatory response to surgery. <i>Journal of Translational Medicine</i> , 2017, 15, 83.	4.4	14
90	Sex-dependent effects on gut microbiota regulate hepatic carcinogenic outcomes. <i>Scientific Reports</i> , 2017, 7, 45232.	3.3	71

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91	Metabolic phenotyping for discovery of urinary biomarkers of diet, xenobiotics and blood pressure in the INTERMAP Study: an overview. <i>Hypertension Research</i> , 2017, 40, 336-345.	2.7	14
92	Metabolic Phenotype of Obesity in a Saudi Population. <i>Journal of Proteome Research</i> , 2017, 16, 635-644.	3.7	17
93	Urinary Metabolic Phenotyping of Women with Lower Urinary Tract Symptoms. <i>Journal of Proteome Research</i> , 2017, 16, 4208-4216.	3.7	13
94	<i>i</i> -Resolved ¹ H NMR 1D-Projections for Large-Scale Metabolic Phenotyping Studies: Application to Blood Plasma Analysis. <i>Analytical Chemistry</i> , 2017, 89, 11405-11412.	6.5	18
95	A prospective analysis of mucosal microbiome-metabonome interactions in colorectal cancer using a combined MAS 1HNMR and metataxonomic strategy. <i>Scientific Reports</i> , 2017, 7, 8979.	3.3	39
96	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.	3.3	10
97	Translational utility of a hierarchical classification strategy in biomolecular data analytics. <i>Scientific Reports</i> , 2017, 7, 14981.	3.3	7
98	Microbial-Host Co-metabolites Are Prodromal Markers Predicting Phenotypic Heterogeneity in Behavior, Obesity, and Impaired Glucose Tolerance. <i>Cell Reports</i> , 2017, 20, 136-148.	6.4	78
99	Gut microbiome interactions with drug metabolism, efficacy, and toxicity. <i>Translational Research</i> , 2017, 179, 204-222.	5.0	439
100	A novel methodology for in vivo endoscopic phenotyping of colorectal cancer based on real-time analysis of the mucosal lipidome: a prospective observational study of the iKnife. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 1361-1370.	2.4	92
101	Statistical Tools for Molecular Covariance Spectroscopy. , 2017, , 243-249.		0
102	Abstract 839: Network-driven analytics of published tissue-based biomarkers to predict response to neoadjuvant therapy in rectal cancer. , 2017, , .		0
103	Phenotyping the Patient Journey. , 2016, , 49-74.		1
104	Pharmacometabonomics and Predictive Metabonomics. , 2016, , 137-165.		1
105	Modeling Longitudinal Metabonomics and Microbiota Interactions in C57BL/6 Mice Fed a High Fat Diet. <i>Analytical Chemistry</i> , 2016, 88, 7617-7626.	6.5	11
106	Bidirectional communication between the Aryl hydrocarbon Receptor (AhR) and the microbiome tunes host metabolism. <i>Npj Biofilms and Microbiomes</i> , 2016, 2, 16014.	6.4	105
107	A multiplexed targeted assay for high-throughput quantitative analysis of serum methylamines by ultra performance liquid chromatography coupled to high resolution mass spectrometry. <i>Archives of Biochemistry and Biophysics</i> , 2016, 597, 12-20.	3.0	14
108	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.	1.5	32

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109	Initial non-repetitive complexity of infinite words. Discrete Applied Mathematics, 2016, 208, 114-122.	0.9	4
110	An Analytical Pipeline for Quantitative Characterization of Dietary Intake: Application To Assess Grape Intake. Journal of Agricultural and Food Chemistry, 2016, 64, 2423-2431.	5.2	48
111	Analysis of polar urinary metabolites for metabolic phenotyping using supercritical fluid chromatography and mass spectrometry. Journal of Chromatography A, 2016, 1449, 141-155.	3.7	60
112	Systemic Characterization of an Obese Phenotype in the Zucker Rat Model Defining Metabolic Axes of Energy Metabolism and Host-Microbial Interactions. Journal of Proteome Research, 2016, 15, 1897-1906.	3.7	16
113	Impact of the gut microbiota on inflammation, obesity, and metabolic disease. Genome Medicine, 2016, 8, 42.	8.2	1,000
114	Optimized Sample Handling Strategy for Metabolic Profiling of Human Feces. Analytical Chemistry, 2016, 88, 4661-4668.	6.5	134
115	Development of a Rapid Microbore Metabolic Profiling Ultraperformance Liquid Chromatography-Mass Spectrometry Approach for High-Throughput Phenotyping Studies. Analytical Chemistry, 2016, 88, 5742-5751.	6.5	39
116	Power Analysis and Sample Size Determination in Metabolic Phenotyping. Analytical Chemistry, 2016, 88, 5179-5188.	6.5	95
117	Automatic Spectroscopic Data Categorization by Clustering Analysis (ASCLAN): A Data-Driven Approach for Distinguishing Discriminatory Metabolites for Phenotypic Subclasses. Analytical Chemistry, 2016, 88, 5670-5679.	6.5	8
118	Topological analysis of metabolic networks integrating co-segregating transcriptomes and metabolomes in type 2 diabetic rat congenic series. Genome Medicine, 2016, 8, 101.	8.2	19
119	Development and Application of Ultra-Performance Liquid Chromatography-TOF MS for Precision Large Scale Urinary Metabolic Phenotyping. Analytical Chemistry, 2016, 88, 9004-9013.	6.5	113
120	Development of a Pipeline for Exploratory Metabolic Profiling of Infant Urine. Journal of Proteome Research, 2016, 15, 3432-3440.	3.7	9
121	Correction to 2-Furoylglycine as a Candidate Biomarker of Coffee Consumption. Journal of Agricultural and Food Chemistry, 2016, 64, 8958-8958.	5.2	1
122	Relationship between vaginal microbial dysbiosis, inflammation, and pregnancy outcomes in cervical cerclage. Science Translational Medicine, 2016, 8, 350ra102.	12.4	137
123	Multivariate metabotyping of plasma predicts survival in patients with decompensated cirrhosis. Journal of Hepatology, 2016, 64, 1058-1067.	3.7	77
124	Characterisation of the vaginal microbiome in cervical intraepithelial neoplasia. Lancet, The, 2016, 387, S75.	13.7	5
125	Neonatal environment exerts a sustained influence on the development of the intestinal microbiota and metabolic phenotype. ISME Journal, 2016, 10, 145-157.	9.8	44
126	Modeling People and Populations. , 2016, , 333-367.		2

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127	Abstract 3977: iKnife: Rapid evaporative ionization mass spectrometry (REIMS) enables real-time chemical analysis of the mucosal lipidome for diagnostic and prognostic use in colorectal cancer. , 2016, , .		7
128	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.	1.6	4
129	Unmet Medical Needs. , 2016, , 1-15.		2
130	Future Visions for Clinical Metabolic Phenotyping. , 2016, , 369-388.		0
131	Cervical intraepithelial neoplasia disease progression is associated with increased vaginal microbiome diversity. Scientific Reports, 2015, 5, 16865.	3.3	320
132	In Vivo Endoscopic Tissue Identification by Rapid Evaporative Ionization Mass Spectrometry (REIMS). Angewandte Chemie - International Edition, 2015, 54, 11059-11062.	13.8	97
133	The Modulation of Drug Efficacy and Toxicity by the Gut Microbiome. Molecular and Integrative Toxicology, 2015, , 323-341.	0.5	6
134	Spatially Resolved Metabolic Phenotyping of Breast Cancer by Desorption Electrospray Ionization Mass Spectrometry. Cancer Research, 2015, 75, 1828-1837.	0.9	134
135	Untargeted UPLC-MS Profiling Pipeline to Expand Tissue Metabolome Coverage: Application to Cardiovascular Disease. Analytical Chemistry, 2015, 87, 4184-4193.	6.5	161
136	Metabolic Phenotyping of Atherosclerotic Plaques Reveals Latent Associations between Free Cholesterol and Ceramide Metabolism in Atherogenesis. Journal of Proteome Research, 2015, 14, 1389-1399.	3.7	65
137	Metabolic Profiling of CHO- $\text{A}\beta$ PP695 Cells Revealed Mitochondrial Dysfunction Prior to Amyloid- β Pathology and Potential Therapeutic Effects of Both PPAR β and PPAR α Agonists for Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 44, 215-231.	2.6	25
138	Quantifying Diet-Induced Metabolic Changes of the Human Gut Microbiome. Cell Metabolism, 2015, 22, 320-331.	16.2	345
139	Systems toxicology: modelling biomarkers of glutathione homeostasis and paracetamol metabolism. Drug Discovery Today: Technologies, 2015, 15, 9-14.	4.0	6
140	An integrated ceramic, micro-fluidic device for the LC/MS/MS analysis of pharmaceuticals in plasma. Analyst, The, 2015, 140, 5546-5556.	3.5	15
141	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. EBioMedicine, 2015, 2, 968-984.	6.1	306
142	The promise of metabolic phenotyping in gastroenterology and hepatology. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 458-471.	17.8	61
143	Fat, fibre and cancer risk in African Americans and rural Africans. Nature Communications, 2015, 6, 6342.	12.8	761
144	Urinary metabolic signatures of human adiposity. Science Translational Medicine, 2015, 7, 285ra62.	12.4	178

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145	High-Throughput Microbore UPLC-MS Metabolic Phenotyping of Urine for Large-Scale Epidemiology Studies. <i>Journal of Proteome Research</i> , 2015, 14, 2714-2721.	3.7	33
146	mQTL.NMR: An Integrated Suite for Genetic Mapping of Quantitative Variations of ¹ H NMR-Based Metabolic Profiles. <i>Analytical Chemistry</i> , 2015, 87, 4377-4384.	6.5	30
147	2-Furoylglycine as a Candidate Biomarker of Coffee Consumption. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8615-8621.	5.2	59
148	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.	6.5	42
149	Bile Acid Profiling and Quantification in Biofluids Using Ultra-Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 9662-9670.	6.5	166
150	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.	3.4	30
151	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.	2.7	8
152	MetaboNetworks, an interactive Matlab-based toolbox for creating, customizing and exploring sub-networks from KEGG. <i>Bioinformatics</i> , 2014, 30, 893-895.	4.1	62
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