

Daniel Raftery

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208 papers	9,570 citations	49 h-index	92 g-index
233 ext. papers	11,578 ext. citations	5.7 avg, IF	6.41 L-index

#	Paper	IF	Citations
208	Mitochondrial Inorganic Polyphosphate (polyP) Is a Potent Regulator of Mammalian Bioenergetics in SH-SY5Y Cells: A Proteomics and Metabolomics Study.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 833127	5.7	2
207	Impact of Topical Interventions on the Vaginal Microbiota and Metabolome in Postmenopausal Women: A Secondary Analysis of a Randomized Clinical Trial.. <i>JAMA Network Open</i> , 2022 , 5, e225032	10.4	0
206	Enzymatic Depletion of Mitochondrial Inorganic Polyphosphate (polyP) Increases the Generation of Reactive Oxygen Species (ROS) and the Activity of the Pentose Phosphate Pathway (PPP) in Mammalian Cells.. <i>Antioxidants</i> , 2022 , 11,	7.1	2
205	A fly GWAS for purine metabolites identifies human FAM214 homolog medusa, which acts in a conserved manner to enhance hyperuricemia-driven pathologies by modulating purine metabolism and the inflammatory response.. <i>GeroScience</i> , 2022 , 1	8.9	
204	A Combination of Nicotinamide and D-Ribose (RiaGev) Is Safe and Effective to Increase NAD+ Metabolome in Healthy Middle-Aged Adults: A Randomized, Triple-Blind, Placebo-Controlled, Cross-Over Pilot Clinical Trial. <i>Nutrients</i> , 2022 , 14, 2219	6.7	2
203	Cross-Laboratory Standardization of Preclinical Lipidomics Using Differential Mobility Spectrometry and Multiple Reaction Monitoring. <i>Analytical Chemistry</i> , 2021 ,	7.8	8
202	A DMS Shotgun Lipidomics Workflow Application to Facilitate High-Throughput, Comprehensive Lipidomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 2655-2663	3.5	4
201	The glucose-sensing transcription factor MLX balances metabolism and stress to suppress apoptosis and maintain spermatogenesis. <i>PLoS Biology</i> , 2021 , 19, e3001085	9.7	0
200	Extending the Scope of H NMR-Based Blood Metabolomics for the Analysis of Labile Antioxidants: Reduced and Oxidized Glutathione. <i>Analytical Chemistry</i> , 2021 , 93, 14844-14850	7.8	4
199	Effects of myocardial ischemia/reperfusion injury on plasma metabolomic profile during aging. <i>Aging Cell</i> , 2021 , 20, e13284	9.9	2
198	Persistent metabolomic alterations characterize chronic critical illness after severe trauma. <i>Journal of Trauma and Acute Care Surgery</i> , 2021 , 90, 35-45	3.3	5
197	Calorie restriction prevents age-related changes in the intestinal microbiota. <i>Aging</i> , 2021 , 13, 6298-6329	5.6	3
196	Depletion of mitochondrial inorganic polyphosphate (polyP) in mammalian cells causes metabolic shift from oxidative phosphorylation to glycolysis. <i>Biochemical Journal</i> , 2021 , 478, 1631-1646	3.8	9
195	Biomarker-Calibrated Macronutrient Intake and Chronic Disease Risk among Postmenopausal Women. <i>Journal of Nutrition</i> , 2021 , 151, 2330-2341	4.1	7
194	Nutritional epidemiology and the Women's Health Initiative: a review. <i>American Journal of Clinical Nutrition</i> , 2021 , 113, 1083-1092	7	1
193	Evaluation of potential metabolomic-based biomarkers of protein, carbohydrate and fat intakes using a controlled feeding study. <i>European Journal of Nutrition</i> , 2021 , 60, 4207-4218	5.2	5
192	Sparse PLS-Based Method for Overlapping Metabolite Set Enrichment Analysis. <i>Journal of Proteome Research</i> , 2021 , 20, 3204-3213	5.6	1

191	Metabolomics in chronic pain research. <i>European Journal of Pain</i> , 2021 , 25, 313-326	3.7	5
190	NMR-Based Metabolomics. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1280, 19-37	3.6	3
189	Evaluation of Fumaric Acid and Maleic Acid as Internal Standards for NMR Analysis of Protein Precipitated Plasma, Serum, and Whole Blood. <i>Analytical Chemistry</i> , 2021 , 93, 3233-3240	7.8	6
188	Probing cell metabolism on insulin like growth factor(IGF)-1/tumor necrosis factor(TNF)- α and chargeable polymers co-immobilized conjugates. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021 , 15, 256-268	4.4	1
187	Glucocerebrosidase reduces the spread of protein aggregation in a Drosophila melanogaster model of neurodegeneration by regulating proteins trafficked by extracellular vesicles. <i>PLoS Genetics</i> , 2021 , 17, e1008859	6	5
186	Metabolomic-based clinical studies and murine models for acute pancreatitis disease: A review. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021 , 1867, 166123	6.9	8
185	Expanding Urinary Metabolite Annotation through Integrated Mass Spectral Similarity Networking. <i>Analytical Chemistry</i> , 2021 , 93, 12001-12010	7.8	5
184	Formation of sodium cluster ions complicates liquid chromatography-mass spectrometry metabolomics analyses. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, e9175	2.2	1
183	Association between postmenopausal vulvovaginal discomfort, vaginal microbiota, and mucosal inflammation. <i>American Journal of Obstetrics and Gynecology</i> , 2021 , 225, 159.e1-159.e15	6.4	3
182	Urinary enterolactone is associated with plasma proteins related to immunity and cancer development in healthy participants on controlled diets. <i>Human Nutrition and Metabolism</i> , 2021 , 25, 200128	0.3	1
181	Quantitative global lipidomics analysis of patients with ovarian cancer versus benign adnexal mass. <i>Scientific Reports</i> , 2021 , 11, 18156	4.9	1
180	Infants with cystic fibrosis have altered fecal functional capacities with potential clinical and metabolic consequences. <i>BMC Microbiology</i> , 2021 , 21, 247	4.5	1
179	Age and cognitive diagnosis influence cerebrospinal fluid ketone levels after a triglyceride infusion in older adults. <i>Alzheimer's and Dementia</i> , 2020 , 16, e037716	1.2	
178	The metabolome as a link in the genotype-phenotype map for peroxide resistance in the fruit fly, <i>Drosophila melanogaster</i> . <i>BMC Genomics</i> , 2020 , 21, 341	4.5	5
177	Small changes in glucose variability induced by low and high glycemic index diets are not associated with changes in Ecell function in adults with pre-diabetes. <i>Journal of Diabetes and Its Complications</i> , 2020 , 34, 107586	3.2	1
176	Identifying Significant Metabolic Pathways Using Multi-Block Partial Least-Squares Analysis. <i>Journal of Proteome Research</i> , 2020 , 19, 1965-1974	5.6	3
175	Gut Microbial Protein Expression in Response to Dietary Patterns in a Controlled Feeding Study: A Metaproteomic Approach. <i>Microorganisms</i> , 2020 , 8,	4.9	4
174	Effect of a Flaxseed Lignan Intervention on Circulating Bile Acids in a Placebo-Controlled Randomized, Crossover Trial. <i>Nutrients</i> , 2020 , 12,	6.7	2

173	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2020 , 16, e1008835	6	22
172	Distinguishing NASH Histological Severity Using a Multiplatform Metabolomics Approach. <i>Metabolites</i> , 2020 , 10,	5.6	10
171	Perspective: Dietary Biomarkers of Intake and Exposure-Exploration with Omics Approaches. <i>Advances in Nutrition</i> , 2020 , 11, 200-215	10	35
170	Viime: Visualization and Integration of Metabolomics Experiments. <i>Journal of Open Source Software</i> , 2020 , 5,	5.2	5
169	Mass spectrometry and NMR spectroscopy based quantitative metabolomics 2020 , 289-311		4
168	Metabolic Remodeling Promotes Cardiac Hypertrophy by Directing Glucose to Aspartate Biosynthesis. <i>Circulation Research</i> , 2020 , 126, 182-196	15.7	56
167	A Novel Network Modelling for Metabolite Set Analysis: A Case Study on CRC Metabolomics. <i>IEEE Access</i> , 2020 , 8, 106425-106436	3.5	1
166	Plasma lipidomic profiles after a low and high glycemic load dietary pattern in a randomized controlled crossover feeding study. <i>Metabolomics</i> , 2020 , 16, 121	4.7	3
165	Five Easy Metrics of Data Quality for LC-MS-Based Global Metabolomics. <i>Analytical Chemistry</i> , 2020 , 92, 12925-12933	7.8	10
164	Characterization of aporphine alkaloids by electrospray ionization tandem mass spectrometry and density functional theory calculations. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 3, e8533	2.2	4
163	Regional metabolic signatures in the <i>Ndufs4</i> (KO) mouse brain implicate defective glutamate/α-ketoglutarate metabolism in mitochondrial disease. <i>Molecular Genetics and Metabolism</i> , 2020 , 130, 118-132	3.7	11
162	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in <i>Drosophila</i> 2020 , 16, e1008835		
161	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in <i>Drosophila</i> 2020 , 16, e1008835		
160	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in <i>Drosophila</i> 2020 , 16, e1008835		
159	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in <i>Drosophila</i> 2020 , 16, e1008835		
158	Plasma metabolomics profiles suggest beneficial effects of a low-glycemic load dietary pattern on inflammation and energy metabolism. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 984-992	7	18
157	Polybrominated Diphenyl Ethers and Gut Microbiome Modulate Metabolic Syndrome-Related Aqueous Metabolites in Mice. <i>Drug Metabolism and Disposition</i> , 2019 , 47, 928-940	4	20
156	PPARα contributes to protection against metabolic and inflammatory derangements associated with acute kidney injury in experimental sepsis. <i>Physiological Reports</i> , 2019 , 7, e14078	2.6	19

155	Extractive Ratio Analysis NMR Spectroscopy for Metabolite Identification in Complex Biological Mixtures. <i>Analytical Chemistry</i> , 2019 , 91, 7373-7378	7.8	6
154	Combining NMR and MS with Chemical Derivatization for Absolute Quantification with Reduced Matrix Effects. <i>Analytical Chemistry</i> , 2019 , 91, 4055-4062	7.8	10
153	Mass Spectral Similarity Networking and Gas-Phase Fragmentation Reactions in the Structural Analysis of Flavonoid Glycoconjugates. <i>Analytical Chemistry</i> , 2019 , 91, 10413-10423	7.8	22
152	NMR Spectroscopy for Metabolomics Research. <i>Metabolites</i> , 2019 , 9,	5.6	330
151	Proteomic Analysis of Plasma Reveals Fat Mass Influences Cancer-Related Pathways in Healthy Humans Fed Controlled Diets Differing in Glycemic Load. <i>Cancer Prevention Research</i> , 2019 , 12, 567-578	3.2	1
150	Tryptophan Metabolites in Irritable Bowel Syndrome: An Overnight Time-course Study. <i>Journal of Neurogastroenterology and Motility</i> , 2019 , 25, 551-562	4.4	6
149	TFPa/HADHA is required for fatty acid beta-oxidation and cardiolipin re-modeling in human cardiomyocytes. <i>Nature Communications</i> , 2019 , 10, 4671	17.4	37
148	Metabolomics Test Materials for Quality Control: A Study of a Urine Materials Suite. <i>Metabolites</i> , 2019 , 9,	5.6	8
147	Metabolomic Characterization of Human Model of Liver Rejection Identifies Aberrancies Linked to Cyclooxygenase (COX) and Nitric Oxide Synthase (NOS). <i>Annals of Transplantation</i> , 2019 , 24, 341-349	1.4	6
146	Overview of NMR Spectroscopy-Based Metabolomics: Opportunities and Challenges. <i>Methods in Molecular Biology</i> , 2019 , 2037, 3-14	1.4	10
145	Analysis of Plasma, Serum, and Whole Blood Metabolites Using H NMR Spectroscopy. <i>Methods in Molecular Biology</i> , 2019 , 2037, 17-34	1.4	2
144	Analysis of Coenzymes and Antioxidants in Tissue and Blood Using 1D H NMR Spectroscopy. <i>Methods in Molecular Biology</i> , 2019 , 2037, 97-110	1.4	1
143	sp. nov., sp. nov., and sp. nov.: novel bacteria isolated from the female genital tract. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019 , 71,	2.2	2
142	Cerebrospinal fluid lipidomics: effects of an intravenous triglyceride infusion and apoE status. <i>Metabolomics</i> , 2019 , 16, 6	4.7	9
141	Towards quality assurance and quality control in untargeted metabolomics studies. <i>Metabolomics</i> , 2019 , 15, 4	4.7	63
140	Pharmacological Activation of PXR and CAR Downregulates Distinct Bile Acid-Metabolizing Intestinal Bacteria and Alters Bile Acid Homeostasis. <i>Toxicological Sciences</i> , 2019 , 168, 40-60	4.4	25
139	Metabolic profiling identifies phospholipids as potential serum biomarkers for schizophrenia. <i>Psychiatry Research</i> , 2019 , 272, 18-29	9.9	27
138	Breast cancer detection using targeted plasma metabolomics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1105, 26-37	3.2	45

137	Biomarker profiling for breast cancer detection: translational research to determine acceptance of a novel breast cancer screening technique. <i>Health Systems</i> , 2019 , 8, 44-51	2.3	1
136	Multiplatform Metabolomics Investigation of Antiadipogenic Effects on 3T3-L1 Adipocytes by a Potent Diarylheptanoid. <i>Journal of Proteome Research</i> , 2018 , 17, 2092-2101	5.6	14
135	Circulating bile acids in healthy adults respond differently to a dietary pattern characterized by whole grains, legumes and fruits and vegetables compared to a diet high in refined grains and added sugars: A randomized, controlled, crossover feeding study. <i>Metabolism: Clinical and Experimental</i> , 2018 , 83, 197-204	12.7	29
134	Transcriptome and DNA Methylome Analysis in a Mouse Model of Diet-Induced Obesity Predicts Increased Risk of Colorectal Cancer. <i>Cell Reports</i> , 2018 , 22, 624-637	10.6	34
133	NMR-Guided Mass Spectrometry for Absolute Quantitation of Human Blood Metabolites. <i>Analytical Chemistry</i> , 2018 , 90, 2001-2009	7.8	31
132	Colorectal Cancer Detection Using Targeted LC-MS Metabolic Profiling. <i>Methods in Molecular Biology</i> , 2018 , 1765, 229-240	1.4	6
131	Glucose promotes cell growth by suppressing branched-chain amino acid degradation. <i>Nature Communications</i> , 2018 , 9, 2935	17.4	68
130	A Metabolomics Study of BPTES Altered Metabolism in Human Breast Cancer Cell Lines. <i>Frontiers in Molecular Biosciences</i> , 2018 , 5, 49	5.6	17
129	Detection of Succinate by Intestinal Tuft Cells Triggers a Type 2 Innate Immune Circuit. <i>Immunity</i> , 2018 , 49, 33-41.e7	32.3	199
128	Chronic kidney disease attenuates the plasma metabolome response to insulin. <i>JCI Insight</i> , 2018 , 3,	9.9	11
127	Metabolic profiles of triple-negative and luminal A breast cancer subtypes in African-American identify key metabolic differences. <i>Oncotarget</i> , 2018 , 9, 11677-11690	3.3	30
126	Dynamic Metabolic Response to Adriamycin-Induced Senescence in Breast Cancer Cells. <i>Metabolites</i> , 2018 , 8,	5.6	12
125	Salivary metabolite profiling distinguishes patients with oral cavity squamous cell carcinoma from normal controls. <i>PLoS ONE</i> , 2018 , 13, e0204249	3.7	45
124	Age- and Genotype-Specific Effects of the Angiotensin-Converting Enzyme Inhibitor Lisinopril on Mitochondrial and Metabolic Parameters in. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	8
123	PBDEs Altered Gut Microbiome and Bile Acid Homeostasis in Male C57BL/6 Mice. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 1226-1240	4	45
122	Loss of Fnip1 alters kidney developmental transcriptional program and synergizes with TSC1 loss to promote mTORC1 activation and renal cyst formation. <i>PLoS ONE</i> , 2018 , 13, e0197973	3.7	11
121	Transcriptomic, proteomic, and metabolomic landscape of positional memory in the caudal fin of zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E717-E726	11.5	47
120	Defective Branched-Chain Amino Acid Catabolism Disrupts Glucose Metabolism and Sensitizes the Heart to Ischemia-Reperfusion Injury. <i>Cell Metabolism</i> , 2017 , 25, 374-385	24.6	159

119	Candidate serum metabolite biomarkers for differentiating gastroesophageal reflux disease, Barrett's esophagus, and high-grade dysplasia/esophageal adenocarcinoma. <i>Metabolomics</i> , 2017 , 13, 1	4.7	20
118	Parenteral and enteral nutrition in surgical critical care: Plasma metabolomics demonstrates divergent effects on nitrogen, fatty-acid, ribonucleotide, and oxidative metabolism. <i>Journal of Trauma and Acute Care Surgery</i> , 2017 , 82, 704-713	3.3	15
117	Human retinal pigment epithelial cells prefer proline as a nutrient and transport metabolic intermediates to the retinal side. <i>Journal of Biological Chemistry</i> , 2017 , 292, 12895-12905	5.4	48
116	Whole Blood Metabolomics by H NMR Spectroscopy Provides a New Opportunity To Evaluate Coenzymes and Antioxidants. <i>Analytical Chemistry</i> , 2017 , 89, 4620-4627	7.8	36
115	Dietary biomarker evaluation in a controlled feeding study in women from the Women's Health Initiative cohort. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 466-475	7	47
114	Metabolomics 2017 , 103-122		4
113	Altered metabolite levels and correlations in patients with colorectal cancer and polyps detected using seemingly unrelated regression analysis. <i>Metabolomics</i> , 2017 , 13, 1	4.7	13
112	Plasma metabolite abundances are associated with urinary enterolactone excretion in healthy participants on controlled diets. <i>Food and Function</i> , 2017 , 8, 3209-3218	6.1	13
111	Metabolomics and Gene Expression Analysis Reveal Down-regulation of the Citric Acid (TCA) Cycle in Non-diabetic CKD Patients. <i>EBioMedicine</i> , 2017 , 26, 68-77	8.8	68
110	Recent Advances in NMR-Based Metabolomics. <i>Analytical Chemistry</i> , 2017 , 89, 490-510	7.8	109
109	The future of NMR-based metabolomics. <i>Current Opinion in Biotechnology</i> , 2017 , 43, 34-40	11.4	500
108	An open-label, non-randomized study of the pharmacokinetics of the nutritional supplement nicotinamide riboside (NR) and its effects on blood NAD ⁺ levels in healthy volunteers. <i>PLoS ONE</i> , 2017 , 12, e0186459	3.7	123
107	Serum Tryptophan Metabolite Levels During Sleep in Patients With and Without Irritable Bowel Syndrome (IBS). <i>Biological Research for Nursing</i> , 2016 , 18, 193-8	2.6	24
106	Combining NMR and LC/MS Using Backward Variable Elimination: Metabolomics Analysis of Colorectal Cancer, Polyps, and Healthy Controls. <i>Analytical Chemistry</i> , 2016 , 88, 7975-83	7.8	39
105	Quantitative Method to Investigate the Balance between Metabolism and Proteome Biomass: Starting from Glycine. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15646-15650	16.4	33
104	1,25-Dihydroxyvitamin D inhibits glutamine metabolism in Harvey-ras transformed MCF10A human breast epithelial cell. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 163, 147-56	5.1	17
103	EGFR Signaling Enhances Aerobic Glycolysis in Triple-Negative Breast Cancer Cells to Promote Tumor Growth and Immune Escape. <i>Cancer Research</i> , 2016 , 76, 1284-96	10.1	141
102	Recommendations and Standardization of Biomarker Quantification Using NMR-Based Metabolomics with Particular Focus on Urinary Analysis. <i>Journal of Proteome Research</i> , 2016 , 15, 360-73	5.6	94

101	Identification of novel candidate plasma metabolite biomarkers for distinguishing serous ovarian carcinoma and benign serous ovarian tumors. <i>Gynecologic Oncology</i> , 2016 , 140, 138-44	4.9	47
100	Rapamycin transiently induces mitochondrial remodeling to reprogram energy metabolism in old hearts. <i>Aging</i> , 2016 , 8, 314-27	5.6	78
99	Dereplication of Natural Products Using GC-TOF Mass Spectrometry: Improved Metabolite Identification by Spectral Deconvolution Ratio Analysis. <i>Frontiers in Molecular Biosciences</i> , 2016 , 3, 59	5.6	12
98	Quantitative Method to Investigate the Balance between Metabolism and Proteome Biomass: Starting from Glycine. <i>Angewandte Chemie</i> , 2016 , 128, 15875-15879	3.6	
97	Simultaneous Analysis of Major Coenzymes of Cellular Redox Reactions and Energy Using ex Vivo (1)H NMR Spectroscopy. <i>Analytical Chemistry</i> , 2016 , 88, 4817-24	7.8	40
96	Use of Metabolomics to Trend Recovery and Therapy After Injury in Critically Ill Trauma Patients. <i>JAMA Surgery</i> , 2016 , 151, e160853	5.4	29
95	Targeted plasma metabolome response to variations in dietary glycemic load in a randomized, controlled, crossover feeding trial in healthy adults. <i>Food and Function</i> , 2015 , 6, 2949-56	6.1	36
94	Massive glutamine cyclization to pyroglutamic acid in human serum discovered using NMR spectroscopy. <i>Analytical Chemistry</i> , 2015 , 87, 3800-5	7.8	26
93	Exploring Metabolic Profile Differences between Colorectal Polyp Patients and Controls Using Seemingly Unrelated Regression. <i>Journal of Proteome Research</i> , 2015 , 14, 2492-9	5.6	24
92	Can NMR solve some significant challenges in metabolomics?. <i>Journal of Magnetic Resonance</i> , 2015 , 260, 144-60	3	142
91	Targeted serum metabolite profiling and sequential metabolite ratio analysis for colorectal cancer progression monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 7857-63	4.4	47
90	Expanding the limits of human blood metabolite quantitation using NMR spectroscopy. <i>Analytical Chemistry</i> , 2015 , 87, 706-15	7.8	124
89	Altered glucose metabolism in Harvey-ras transformed MCF10A cells. <i>Molecular Carcinogenesis</i> , 2015 , 54, 111-20	5	21
88	Targeted metabolic profiling of wounds in diabetic and nondiabetic mice. <i>Wound Repair and Regeneration</i> , 2015 , 23, 423-34	3.6	14
87	NMR-based Metabolite Profiling of Pancreatic Cancer. <i>Current Metabolomics</i> , 2015 , 2, 204-212	1	3
86	Metabolomics method to comprehensively analyze amino acids in different domains. <i>Analyst, The</i> , 2015 , 140, 2726-34	5	31
85	Globally Optimized Targeted Mass Spectrometry: Reliable Metabolomics Analysis with Broad Coverage. <i>Analytical Chemistry</i> , 2015 , 87, 12355-62	7.8	71
84	Metabolic signatures of bacterial vaginosis. <i>MBio</i> , 2015 , 6,	7.8	143

83	The metabolome regulates the epigenetic landscape during naive-to-primed human embryonic stem cell transition. <i>Nature Cell Biology</i> , 2015 , 17, 1523-35	23.4	249
82	Fnip1 regulates skeletal muscle fiber type specification, fatigue resistance, and susceptibility to muscular dystrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 424-9	11.5	62
81	Deregulated Myc requires MondoA/Mlx for metabolic reprogramming and tumorigenesis. <i>Cancer Cell</i> , 2015 , 27, 271-85	24.3	124
80	Standardizing the experimental conditions for using urine in NMR-based metabolomic studies with a particular focus on diagnostic studies: a review. <i>Metabolomics</i> , 2015 , 11, 872-894	4.7	171
79	Colorectal cancer detection using targeted serum metabolic profiling. <i>Journal of Proteome Research</i> , 2014 , 13, 4120-30	5.6	147
78	Quantitating metabolites in protein precipitated serum using NMR spectroscopy. <i>Analytical Chemistry</i> , 2014 , 86, 5433-40	7.8	123
77	Advances in NMR-Based Metabolomics. <i>Comprehensive Analytical Chemistry</i> , 2014 , 187-211	1.9	8
76	Altered proteome turnover and remodeling by short-term caloric restriction or rapamycin rejuvenate the aging heart. <i>Aging Cell</i> , 2014 , 13, 529-39	9.9	194
75	Detection of hepatocellular carcinoma in hepatitis C patients: biomarker discovery by LC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 966, 154-62	3.2	18
74	1,25-dihydroxyvitamin D regulation of glucose metabolism in Harvey-ras transformed MCF10A human breast epithelial cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 138, 81-9	5.1	24
73	15N-cholamine--a smart isotope tag for combining NMR- and MS-based metabolite profiling. <i>Analytical Chemistry</i> , 2013 , 85, 8715-21	7.8	66
72	Mass Spectrometry and NMR SpectroscopyBased Quantitative Metabolomics 2013 , 279-297		9
71	Hydrogen evolution by templated cadmium indate nanoparticles under natural sunlight illumination. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 7741-7749	6.7	5
70	Metabolomics approach for predicting response to neoadjuvant chemotherapy for breast cancer. <i>Molecular Oncology</i> , 2013 , 7, 297-307	7.9	97
69	RAMSY: ratio analysis of mass spectrometry to improve compound identification. <i>Analytical Chemistry</i> , 2013 , 85, 10771-9	7.8	25
68	Targeted metabolic profiling of hepatocellular carcinoma and hepatitis C using LC-MS/MS. <i>Electrophoresis</i> , 2013 , 34, 2910-7	3.6	32
67	Combining Hydrophilic Interaction Chromatography (HILIC) and Isotope Tagging for Off-Line LC-NMR Applications in Metabolite Analysis. <i>Metabolites</i> , 2013 , 3, 575-91	5.6	8
66	Biomarker Discovery and Translation in Metabolomics. <i>Current Metabolomics</i> , 2013 , 1, 227-240	1	67

65	Metabolic Profiling of Green Tea Treatments in Zucker Diabetic Rats Using ¹ H NMR. <i>Journal of Nutrition & Food Sciences</i> , 2013 , 3,	0.5	3
64	Differentiating hepatocellular carcinoma from hepatitis C using metabolite profiling. <i>Metabolites</i> , 2012 , 2, 701-16	5.6	24
63	Efficient photocatalytic hydrogen production by platinum-loaded carbon-doped cadmium indate nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2426-31	9.5	22
62	Isotope enhanced approaches in metabolomics. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 992, 147-64	3.6	11
61	NMR-based metabolomics study of canine bladder cancer. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 1807-14	6.9	46
60	Esophageal cancer metabolite biomarkers detected by LC-MS and NMR methods. <i>PLoS ONE</i> , 2012 , 7, e30181	3.7	81
59	NMR Spectroscopy-Based Metabolic Profiling for Detecting Hepatobiliary Diseases. <i>ACS Symposium Series</i> , 2012 , 407-415	0.4	
58	"Add to subtract": a simple method to remove complex background signals from the ¹ H nuclear magnetic resonance spectra of mixtures. <i>Analytical Chemistry</i> , 2012 , 84, 994-1002	7.8	17
57	Metabolic profiling of gender: Headspace-SPME/GCMS and ¹ H NMR analysis of urine. <i>Metabolomics</i> , 2012 , 8, 323-334	4.7	33
56	1,25 dihydroxyvitamin D regulation of energy metabolism in MCF10 human breast epithelial cells. <i>FASEB Journal</i> , 2012 , 26, 822.2	0.9	
55	Metabolomics study of esophageal adenocarcinoma. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 141, 469-75, 475.e1-4	1.5	46
54	Ratio analysis nuclear magnetic resonance spectroscopy for selective metabolite identification in complex samples. <i>Analytical Chemistry</i> , 2011 , 83, 7616-23	7.8	38
53	Use of optimized 1D TOCSY NMR for improved quantitation and metabolomic analysis of biofluids. <i>Journal of Biomolecular NMR</i> , 2011 , 49, 281-90	3	29
52	Principal component directed partial least squares analysis for combining nuclear magnetic resonance and mass spectrometry data in metabolomics: application to the detection of breast cancer. <i>Analytica Chimica Acta</i> , 2011 , 686, 57-63	6.6	121
51	Photoelectrochemical evaluation of undoped and C-doped CdIn ₂ O ₄ thin film electrodes. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 2785-2793	6.7	8
50	Early detection of recurrent breast cancer using metabolite profiling. <i>Cancer Research</i> , 2010 , 70, 8309-18	0.1	229
49	Quantitative metabolomics by H-NMR and LC-MS/MS confirms altered metabolic pathways in diabetes. <i>PLoS ONE</i> , 2010 , 5, e10538	3.7	188
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