

Warwick B Dunn

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/920700/publications.pdf>

Version: 2024-02-01

157
papers

19,393
citations

19657

61
h-index

11607

135
g-index

164
all docs

164
docs citations

164
times ranked

21702
citing authors

#	ARTICLE	IF	CITATIONS
1	Procedures for large-scale metabolic profiling of serum and plasma using gas chromatography and liquid chromatography coupled to mass spectrometry. <i>Nature Protocols</i> , 2011, 6, 1060-1083.	12.0	2,236
2	Metabolomics by numbers: acquiring and understanding global metabolite data. <i>Trends in Biotechnology</i> , 2004, 22, 245-252.	9.3	1,156
3	Metabolomics: Current analytical platforms and methodologies. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 285-294.	11.4	939
4	A community-driven global reconstruction of human metabolism. <i>Nature Biotechnology</i> , 2013, 31, 419-425.	17.5	920
5	Measuring the metabolome: current analytical technologies. <i>Analyst, The</i> , 2005, 130, 606.	3.5	781
6	Systems level studies of mammalian metabolomes: the roles of mass spectrometry and nuclear magnetic resonance spectroscopy. <i>Chemical Society Reviews</i> , 2011, 40, 387-426.	38.1	689
7	A consensus yeast metabolic network reconstruction obtained from a community approach to systems biology. <i>Nature Biotechnology</i> , 2008, 26, 1155-1160.	17.5	530
8	Guidelines and considerations for the use of system suitability and quality control samples in mass spectrometry assays applied in untargeted clinical metabolomic studies. <i>Metabolomics</i> , 2018, 14, 72.	3.0	517
9	Mass appeal: metabolite identification in mass spectrometry-focused untargeted metabolomics. <i>Metabolomics</i> , 2013, 9, 44-66.	3.0	452
10	Development of a Robust and Repeatable UPLC-MS Method for the Long-Term Metabolomic Study of Human Serum. <i>Analytical Chemistry</i> , 2009, 81, 1357-1364.	6.5	447
11	Metabolomics enables precision medicine: a White Paper, Community Perspective. <i>Metabolomics</i> , 2016, 12, 149.	3.0	434
12	The importance of experimental design and QC samples in large-scale and MS-driven untargeted metabolomic studies of humans. <i>Bioanalysis</i> , 2012, 4, 2249-2264.	1.5	382
13	Metabolic footprinting and systems biology: the medium is the message. <i>Nature Reviews Microbiology</i> , 2005, 3, 557-565.	28.6	373
14	Fingerprinting food: current technologies for the detection of food adulteration and contamination. <i>Chemical Society Reviews</i> , 2012, 41, 5706.	38.1	362
15	Metabolic fingerprinting as a diagnostic tool. <i>Pharmacogenomics</i> , 2007, 8, 1243-1266.	1.3	361
16	The role of reporting standards for metabolite annotation and identification in metabolomic studies. <i>GigaScience</i> , 2013, 2, 13.	6.4	333
17	Global Metabolic Profiling of <i>Escherichia coli</i> Cultures: an Evaluation of Methods for Quenching and Extraction of Intracellular Metabolites. <i>Analytical Chemistry</i> , 2008, 80, 2939-2948.	6.5	293
18	The role of metabolites and metabolomics in clinically applicable biomarkers of disease. <i>Archives of Toxicology</i> , 2011, 85, 5-17.	4.2	289

#	ARTICLE	IF	CITATIONS
19	Robust Early Pregnancy Prediction of Later Preeclampsia Using Metabolomic Biomarkers. Hypertension, 2010, 56, 741-749.	2.7	242
20	Mass spectrometry tools and metabolite-specific databases for molecular identification in metabolomics. Analyst, The, 2009, 134, 1322.	3.5	240
21	Growth control of the eukaryote cell: a systems biology study in yeast. Journal of Biology, 2007, 6, 4.	2.7	234
22	Non-targeted UHPLC-MS metabolomic data processing methods: a comparative investigation of normalisation, missing value imputation, transformation and scaling. Metabolomics, 2016, 12, 93.	3.0	232
23	How close are we to complete annotation of metabolomes?. Current Opinion in Chemical Biology, 2017, 36, 64-69.	6.1	228
24	Current trends and future requirements for the mass spectrometric investigation of microbial, mammalian and plant metabolomes. Physical Biology, 2008, 5, 011001.	1.8	225
25	Metabolite identification: are you sure? And how do your peers gauge your confidence?. Metabolomics, 2014, 10, 350-353.	3.0	205
26	Molecular phenotyping of a UK population: defining the human serum metabolome. Metabolomics, 2015, 11, 9-26.	3.0	202
27	Huntington disease patients and transgenic mice have similar pro-catabolic serum metabolite profiles. Brain, 2006, 129, 877-886.	7.6	175
28	Automated workflows for accurate mass-based putative metabolite identification in LC/MS-derived metabolomic datasets. Bioinformatics, 2011, 27, 1108-1112.	4.1	173
29	Development and Performance of a Gas Chromatography~Time-of-Flight Mass Spectrometry Analysis for Large-Scale Nontargeted Metabolomic Studies of Human Serum. Analytical Chemistry, 2009, 81, 7038-7046.	6.5	168
30	Metabolic profiling of serum using Ultra Performance Liquid Chromatography and the LTQ-Orbitrap mass spectrometry system. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 871, 288-298.	2.3	161
31	A metabolome pipeline: from concept to data to knowledge. Metabolomics, 2005, 1, 39-51.	3.0	152
32	Serum metabolomics reveals many novel metabolic markers of heart failure, including pseudouridine and 2-oxoglutarate. Metabolomics, 2007, 3, 413-426.	3.0	150
33	¹ H NMR, GC~EI-TOFMS, and Data Set Correlation for Fruit Metabolomics: Application to Spatial Metabolite Analysis in Melon. Analytical Chemistry, 2009, 81, 2884-2894.	6.5	147
34	Closed-Loop, Multiobjective Optimization of Analytical Instrumentation:~Gas Chromatography/Time-of-Flight Mass Spectrometry of the Metabolomes of Human Serum and of Yeast Fermentations. Analytical Chemistry, 2005, 77, 290-303.	6.5	136
35	AKR1C3-Mediated Adipose Androgen Generation Drives Lipotoxicity in Women With Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3327-3339.	3.6	133
36	Effective Quenching Processes for Physiologically Valid Metabolite Profiling of Suspension Cultured Mammalian Cells. Analytical Chemistry, 2009, 81, 174-183.	6.5	132

#	ARTICLE	IF	CITATIONS
37	Comparative evaluation of software for deconvolution of metabolomics data based on GC-TOF-MS. TrAC - Trends in Analytical Chemistry, 2008, 27, 215-227.	11.4	129
38	Improving metabolic flux predictions using absolute gene expression data. BMC Systems Biology, 2012, 6, 73.	3.0	126
39	Inter-laboratory reproducibility of fast gas chromatography-electron impact-time of flight mass spectrometry (GC-EI-TOF/MS) based plant metabolomics. Metabolomics, 2009, 5, 479-496.	3.0	120
40	Is Serum or Plasma More Appropriate for Intersubject Comparisons in Metabolomic Studies? An Assessment in Patients with Small-Cell Lung Cancer. Analytical Chemistry, 2011, 83, 6689-6697.	6.5	119
41	A GC-TOF-MS study of the stability of serum and urine metabolomes during the UK Biobank sample collection and preparation protocols. International Journal of Epidemiology, 2008, 37, i23-i30.	1.9	118
42	Preanalytical Processing and Biobanking Procedures of Biological Samples for Metabolomics Research: A White Paper, Community Perspective (for Precision Medicine and Pharmacometabolomics) Tj ETQ 20 0 rgBT/Overlock	4.0	117
43	A model of yeast glycolysis based on a consistent kinetic characterisation of all its enzymes. FEBS Letters, 2013, 587, 2832-2841.	2.8	113
44	Untargeted Metabolic Profiling Identifies Altered Serum Metabolites of Type 2 Diabetes Mellitus in a Prospective, Nested Case Control Study. Clinical Chemistry, 2015, 61, 487-497.	3.2	113
45	Extensive metabolic cross-talk in melon fruit revealed by spatial and developmental combinatorial metabolomics. New Phytologist, 2011, 190, 683-696.	7.3	111
46	Novel biomarkers for pre-eclampsia detected using metabolomics and machine learning. Metabolomics, 2005, 1, 227.	3.0	110
47	Metabolic footprinting as a tool for discriminating between brewing yeasts. Yeast, 2007, 24, 667-679.	1.7	103
48	Towards quality assurance and quality control in untargeted metabolomics studies. Metabolomics, 2019, 15, 4.	3.0	101
49	Metabolic Profiling Uncovers a Phenotypic Signature of Small for Gestational Age in Early Pregnancy. Journal of Proteome Research, 2011, 10, 3660-3673.	3.7	99
50	Further developments towards a genome-scale metabolic model of yeast. BMC Systems Biology, 2010, 4, 145.	3.0	95
51	Closed-Loop, Multiobjective Optimization of Two-Dimensional Gas Chromatography/Mass Spectrometry for Serum Metabolomics. Analytical Chemistry, 2007, 79, 464-476.	6.5	94
52	Detection and Identification of Novel Metabolomic Biomarkers in Preeclampsia. Reproductive Sciences, 2008, 15, 591-597.	2.5	84
53	Metabolic engineering against the arginine microenvironment enhances CAR-T cell proliferation and therapeutic activity. Blood, 2020, 136, 1155-1160.	1.4	84
54	Systems Biology: The elements and principles of Life. FEBS Letters, 2009, 583, 3882-3890.	2.8	77

#	ARTICLE	IF	CITATIONS
55	Metabolomic approaches reveal that cell wall modifications play a major role in ethylene-mediated resistance against <i>Botrytis cinerea</i> . <i>Plant Journal</i> , 2011, 67, 852-868.	5.7	77
56	Changes in the Metabolic Footprint of Placental Explant-Conditioned Culture Medium Identifies Metabolic Disturbances Related to Hypoxia and Pre-Eclampsia. <i>Placenta</i> , 2009, 30, 974-980.	1.5	76
57	Comparison of modified Matyash method to conventional solvent systems for polar metabolite and lipid extractions. <i>Analytica Chimica Acta</i> , 2018, 1037, 301-315.	5.4	75
58	Metabolic Dysfunction Is Restricted to the Sciatic Nerve in Experimental Diabetic Neuropathy. <i>Diabetes</i> , 2016, 65, 228-238.	0.6	74
59	Absolute Quantification of the Glycolytic Pathway in Yeast. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.007633.	3.8	70
60	Computational tools and workflows in metabolomics: An international survey highlights the opportunity for harmonisation through Galaxy. <i>Metabolomics</i> , 2017, 13, 12.	3.0	69
61	International Ring Trial of a High Resolution Targeted Metabolomics and Lipidomics Platform for Serum and Plasma Analysis. <i>Analytical Chemistry</i> , 2019, 91, 14407-14416.	6.5	66
62	A novel untargeted metabolomics correlation-based network analysis incorporating human metabolic reconstructions. <i>BMC Systems Biology</i> , 2013, 7, 107.	3.0	64
63	Metabolite profiles of interacting mycelial fronts differ for pairings of the wood decay basidiomycete fungus, <i>Stereum hirsutum</i> with its competitors <i>Coprinus micaceus</i> and <i>Coprinus disseminatus</i> . <i>Metabolomics</i> , 2008, 4, 52-62.	3.0	63
64	From mass to metabolite in human untargeted metabolomics: Recent advances in annotation of metabolites applying liquid chromatography-mass spectrometry data. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115324.	11.4	62
65	A Metabolomic Approach Identifies Differences in Maternal Serum in Third Trimester Pregnancies That End in Poor Perinatal Outcome. <i>Reproductive Sciences</i> , 2012, 19, 863-875.	2.5	59
66	Collection and Preparation of Clinical Samples for Metabolomics. <i>Advances in Experimental Medicine and Biology</i> , 2017, 965, 19-44.	1.6	56
67	Dissemination and analysis of the quality assurance (QA) and quality control (QC) practices of LC-MS based untargeted metabolomics practitioners. <i>Metabolomics</i> , 2020, 16, 113.	3.0	56
68	Changes in the Metabolic Footprint of Placental Explant-Conditioned Medium Cultured in Different Oxygen Tensions from Placentas of Small for Gestational Age and Normal Pregnancies. <i>Placenta</i> , 2010, 31, 893-901.	1.5	55
69	Integration of metabolomics in heart disease and diabetes research: current achievements and future outlook. <i>Bioanalysis</i> , 2011, 3, 2205-2222.	1.5	53
70	Quality assurance and quality control processes: summary of a metabolomics community questionnaire. <i>Metabolomics</i> , 2017, 13, 1.	3.0	53
71	The metabolome of human placental tissue: investigation of first trimester tissue and changes related to preeclampsia in late pregnancy. <i>Metabolomics</i> , 2012, 8, 579-597.	3.0	51
72	Relatedness of medically important strains of <i>Saccharomyces cerevisiae</i> as revealed by phylogenetics and metabolomics. <i>Yeast</i> , 2008, 25, 501-512.	1.7	50

#	ARTICLE	IF	CITATIONS
73	Dual-5 α -Reductase Inhibition Promotes Hepatic Lipid Accumulation in Man. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 103-113.	3.6	50
74	Analysis of the Metabolic Footprint and Tissue Metabolome of Placental Villous Explants Cultured at Different Oxygen Tensions Reveals Novel Redox Biomarkers. <i>Placenta</i> , 2008, 29, 691-698.	1.5	49
75	Metabolomic analysis of rat serum in streptozotocin-induced diabetes and after treatment with oral triethylenetetramine (TETA). <i>Genome Medicine</i> , 2012, 4, 35.	8.2	49
76	A new strategy for MS/MS data acquisition applying multiple data dependent experiments on Orbitrap mass spectrometers in non-targeted metabolomic applications. <i>Metabolomics</i> , 2015, 11, 1068-1080.	3.0	43
77	Investigation of the 12-Month Stability of Dried Blood and Urine Spots Applying Untargeted UHPLC-MS Metabolomic Assays. <i>Analytical Chemistry</i> , 2019, 91, 14306-14313.	6.5	43
78	Reference materials for MS-based untargeted metabolomics and lipidomics: a review by the metabolomics quality assurance and quality control consortium (mQACC). <i>Metabolomics</i> , 2022, 18, 24.	3.0	43
79	Biomarkers of Dietary Energy Restriction in Women at Increased Risk of Breast Cancer. <i>Cancer Prevention Research</i> , 2009, 2, 720-731.	1.5	41
80	TARDIS-based microbial metabolomics: time and relative differences in systems. <i>Trends in Microbiology</i> , 2011, 19, 315-322.	7.7	40
81	msPurity: Automated Evaluation of Precursor Ion Purity for Mass Spectrometry-Based Fragmentation in Metabolomics. <i>Analytical Chemistry</i> , 2017, 89, 2432-2439.	6.5	40
82	Evidence That Multiple Defects in Lipid Regulation Occur before Hyperglycemia during the Prodrome of Type-2 Diabetes. <i>PLoS ONE</i> , 2014, 9, e103217.	2.5	40
83	MeMo: a hybrid SQL/XML approach to metabolomic data management for functional genomics. <i>BMC Bioinformatics</i> , 2006, 7, 281.	2.6	37
84	HAMMER: automated operation of mass frontier to construct <i>in silico</i> mass spectral fragmentation libraries. <i>Bioinformatics</i> , 2014, 30, 581-583.	4.1	36
85	Untargeted metabolomic analysis and pathway discovery in perinatal asphyxia and hypoxic-ischaemic encephalopathy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 147-162.	4.3	35
86	ATR (ataxia telangiectasia mutated- and Rad3-related kinase) is activated by mild hypothermia in mammalian cells and subsequently activates p53. <i>Biochemical Journal</i> , 2011, 435, 499-508.	3.7	34
87	Changes in the cardiac metabolome caused by perhexiline treatment in a mouse model of hypertrophic cardiomyopathy. <i>Molecular BioSystems</i> , 2015, 11, 564-573.	2.9	34
88	Liquid Chromatography–Mass Spectrometry Calibration Transfer and Metabolomics Data Fusion. <i>Analytical Chemistry</i> , 2012, 84, 9848-9857.	6.5	33
89	Metabolic profiling reveals potential metabolic markers associated with Hypoxia Inducible Factor-mediated signalling in hypoxic cancer cells. <i>Scientific Reports</i> , 2015, 5, 15649.	3.3	30
90	Systematic integration of experimental data and models in systems biology. <i>BMC Bioinformatics</i> , 2010, 11, 582.	2.6	28

#	ARTICLE	IF	CITATIONS
91	Assessment of human plasma and urine sample preparation for reproducible and high-throughput UHPLC-MS clinical metabolic phenotyping. <i>Analyst, The</i> , 2020, 145, 6511-6523.	3.5	28
92	A laser desorption ionisation mass spectrometry approach for high throughput metabolomics. <i>Metabolomics</i> , 2005, 1, 243-250.	3.0	27
93	Mass spectrometry and metabolomics: past, present and future. <i>Metabolomics</i> , 2013, 9, 1-3.	3.0	27
94	Assessment of adaptive focused acoustics versus manual vortex/freeze-thaw for intracellular metabolite extraction from <i>Streptomyces lividans</i> producing recombinant proteins using GC-MS and multi-block principal component analysis. <i>Analyst, The</i> , 2010, 135, 934.	3.5	25
95	Profiling of spatial metabolite distributions in wheat leaves under normal and nitrate limiting conditions. <i>Phytochemistry</i> , 2015, 115, 99-111.	2.9	24
96	Enhanced Fatty Acid Scavenging and Glycerophospholipid Metabolism Accompany Melanocyte Neoplasia Progression in Zebrafish. <i>Cancer Research</i> , 2019, 79, 2136-2151.	0.9	24
97	Proof-of-principle study to detect metabolic changes in peritoneal dialysis effluent in patients who develop encapsulating peritoneal sclerosis. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 2502-2510.	0.7	23
98	Bidirectional Cross-Talk between Biliary Epithelium and Th17 Cells Promotes Local Th17 Expansion and Bile Duct Proliferation in Biliary Liver Diseases. <i>Journal of Immunology</i> , 2019, 203, 1151-1159.	0.8	22
99	Genomics in cardiac metabolism. <i>Cardiovascular Research</i> , 2008, 79, 218-227.	3.8	21
100	Adapting in vitro dual perfusion of the human placenta to soluble oxygen tensions associated with normal and pre-eclamptic pregnancy. <i>Laboratory Investigation</i> , 2011, 91, 181-189.	3.7	20
101	Exploring the mode of action of dithranol therapy for psoriasis: a metabolomic analysis using HaCaT cells. <i>Molecular BioSystems</i> , 2015, 11, 2198-2209.	2.9	20
102	Characterization of Monophasic Solvent-Based Tissue Extractions for the Detection of Polar Metabolites and Lipids Applying Ultrahigh-Performance Liquid Chromatography-Mass Spectrometry Clinical Metabolic Phenotyping Assays. <i>Journal of Proteome Research</i> , 2021, 20, 831-840.	3.7	20
103	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649.	1.6	19
104	Untargeted metabolomics for uncovering biological markers of human skeletal muscle ageing. <i>Aging</i> , 2020, 12, 12517-12533.	3.1	19
105	Oxidative stress from DGAT1 oncoprotein inhibition in melanoma suppresses tumor growth when ROS defenses are also breached. <i>Cell Reports</i> , 2022, 39, 110995.	6.4	19
106	Mass Spectrometry in Systems Biology. <i>Methods in Enzymology</i> , 2011, 500, 15-35.	1.0	18
107	Adipose tissue, metabolic and inflammatory responses to stroke are altered in obese mice. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1229-1243.	2.4	18
108	Beta-aminoisobutyric acid is released by contracting human skeletal muscle and lowers insulin release from INS-1 832/3A cells by mediating mitochondrial energy metabolism. <i>Metabolism Open</i> , 2020, 7, 100053.	2.9	18

#	ARTICLE	IF	CITATIONS
109	Metabolic profiling of meat: assessment of pork hygiene and contamination with Salmonella typhimurium. <i>Analyst, The</i> , 2011, 136, 508-514.	3.5	17
110	Dupuytren's disease metabolite analyses reveals alterations following initial short-term fibroblast culturing. <i>Molecular BioSystems</i> , 2012, 8, 2274.	2.9	17
111	MUSCLE: automated multi-objective evolutionary optimization of targeted LC-MS/MS analysis. <i>Bioinformatics</i> , 2015, 31, 975-977.	4.1	17
112	Improvement in the Prediction of Neonatal Hypoxic-Ischemic Encephalopathy with the Integration of Umbilical Cord Metabolites and Current Clinical Makers. <i>Journal of Pediatrics</i> , 2021, 229, 175-181.e1.	1.8	17
113	Paracrine Stimulation of Endothelial Cell Motility and Angiogenesis by Platelet-Derived Deoxyribose-1-Phosphate. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2631-2638.	2.4	16
114	Exercise and high-fat feeding remodel transcript-metabolite interactive networks in mouse skeletal muscle. <i>Scientific Reports</i> , 2017, 7, 13485.	3.3	16
115	Sample Preparation Related to the Intracellular Metabolome of Yeast. <i>Methods in Enzymology</i> , 2011, 500, 277-297.	1.0	15
116	Metabolomic analyses show that electron donor and acceptor ratios control anaerobic electron transfer pathways in <i>Shewanella oneidensis</i> . <i>Metabolomics</i> , 2013, 9, 642-656.	3.0	15
117	Metabolomics Reveal Potential Natural Substrates of AcrB in <i>Escherichia coli</i> and <i>Salmonella enterica</i> Serovar Typhimurium. <i>MBio</i> , 2021, 12, .	4.1	15
118	Tick-Tock Consider the Clock: The Influence of Circadian and External Cycles on Time of Day Variation in the Human Metabolome—A Review. <i>Metabolites</i> , 2021, 11, 328.	2.9	15
119	Characterisation of the metabolome of ocular tissues and post-mortem changes in the rat retina. <i>Experimental Eye Research</i> , 2016, 149, 8-15.	2.6	14
120	CASMI—The Small Molecule Identification Process from a Birmingham Perspective. <i>Metabolites</i> , 2013, 3, 397-411.	2.9	13
121	Yeast cells with impaired drug resistance accumulate glycerol and glucose. <i>Molecular BioSystems</i> , 2014, 10, 93-102.	2.9	12
122	Systematic Review: Clinical Metabolomics to Forecast Outcomes in Liver Transplantation Surgery. <i>OMICS A Journal of Integrative Biology</i> , 2019, 23, 463-476.	2.0	12
123	Training needs in metabolomics. <i>Metabolomics</i> , 2015, 11, 784-786.	3.0	11
124	MALDI-MS of drugs: Profiling, imaging, and steps towards quantitative analysis. <i>Applied Spectroscopy Reviews</i> , 2017, 52, 73-99.	6.7	11
125	Multi-Omics Analysis of Diabetic Heart Disease in the db/db Model Reveals Potential Targets for Treatment by a Longevity-Associated Gene. <i>Cells</i> , 2020, 9, 1283.	4.1	11
126	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649.	1.6	11

#	ARTICLE	IF	CITATIONS
127	A metabolomics investigation into the effects of HIV protease inhibitors on HPV16 E6 expressing cervical carcinoma cells. <i>Molecular BioSystems</i> , 2014, 10, 398-411.	2.9	10
128	Urinary biomonitoring of subjects with different smoking habits. Part II: an untargeted metabolomic approach and the comparison with the targeted measurement of mercapturic acids. <i>Toxicology Letters</i> , 2020, 329, 56-66.	0.8	10
129	Cytoglobin protects cancer cells from apoptosis by regulation of mitochondrial cardiolipin. <i>Scientific Reports</i> , 2021, 11, 985.	3.3	10
130	Diabetes - the Role of Metabolomics in the Discovery of New Mechanisms and Novel Biomarkers. <i>Current Cardiovascular Risk Reports</i> , 2013, 7, 25-32.	2.0	9
131	Autocrine amplification of integrin α IIb β 3 activation and platelet adhesive responses by deoxyribose-1-phosphate. <i>Thrombosis and Haemostasis</i> , 2013, 109, 1108-1119.	3.4	9
132	Cryptococcal 3-Hydroxy Fatty Acids Protect Cells Against Amoebal Phagocytosis. <i>Frontiers in Microbiology</i> , 2015, 6, 1351.	3.5	9
133	Carbohydrate and fatty acid perturbations in the amniotic fluid of the recipient twin of pregnancies complicated by twin-twin transfusion syndrome in relation to treatment and fetal cardiovascular risk. <i>Placenta</i> , 2016, 44, 6-12.	1.5	9
134	Maternal intermittent fasting during pregnancy induces fetal growth restriction and down-regulated placental system A amino acid transport in the rat. <i>Clinical Science</i> , 2021, 135, 1445-1466.	4.3	9
135	Multiple metabolic pathways are predictive of ricin intoxication in a rat model. <i>Metabolomics</i> , 2019, 15, 102.	3.0	8
136	Chorioamnionitis alters lung surfactant lipidome in newborns with respiratory distress syndrome. <i>Pediatric Research</i> , 2021, 90, 1039-1043.	2.3	8
137	An improved strategy for analysis of lipid molecules utilising a reversed phase C30 UHPLC column and scheduled MS/MS acquisition. <i>Talanta</i> , 2021, 229, 122262.	5.5	8
138	CASMI 2014: Challenges, Solutions and Results. <i>Current Metabolomics</i> , 2017, 5, 5-17.	0.5	8
139	Comparison of total vaporisation and dynamic headspace techniques combined with direct mass spectrometric detection for the on-line analysis of liquid process streams. <i>Analyst</i> , 1998, 123, 343-348.	3.5	7
140	Short- and long-term dynamic responses of the metabolic network and gene expression in yeast to a transient change in the nutrient environment. <i>Molecular BioSystems</i> , 2012, 8, 1760.	2.9	6
141	Antiphospholipid Antibodies Alter Cell Death Regulating Lipid Metabolites in First and Third Trimester Human Placentae. <i>American Journal of Reproductive Immunology</i> , 2015, 74, 181-199.	1.2	6
142	Metabolites involved in glycolysis and amino acid metabolism are altered in short children born small for gestational age. <i>Pediatric Research</i> , 2016, 80, 299-305.	2.3	6
143	Considerations in Sample Preparation, Collection, and Extraction Approaches Applied in Microbial, Plant, and Mammalian Metabolic Profiling. , 2013, , 79-118.		5
144	Metabolomics reveals the physiological response of <i>Pseudomonas putida</i> KT2440 (UWC1) after pharmaceutical exposure. <i>Molecular BioSystems</i> , 2016, 12, 1367-1377.	2.9	5

#	ARTICLE	IF	CITATIONS
145	Perturbations in cardiac metabolism in a human model of acute myocardial ischaemia. <i>Metabolomics</i> , 2021, 17, 76.	3.0	5
146	Fit-for-Purpose Quenching and Extraction Protocols for Metabolic Profiling of Yeast Using Chromatography-Mass Spectrometry Platforms. <i>Methods in Molecular Biology</i> , 2011, 759, 225-238.	0.9	4
147	Metabolic characterisation of disturbances in the APOC3/triglyceride-rich lipoprotein pathway through sample-based recall by genotype. <i>Metabolomics</i> , 2020, 16, 69.	3.0	3
148	Novel techniques for the off-line analysis of liquid process streams by mass spectrometry. <i>Analyst</i> , 1996, 121, 1435.	3.5	2
149	Bilateral Remote Ischaemic Conditioning in Children (BRICC) trial: protocol for a two-centre, double-blind, randomised controlled trial in young children undergoing cardiac surgery. <i>BMJ Open</i> , 2020, 10, e042176.	1.9	2
150	Acute effects of prior dietary fat ingestion on postprandial metabolic responses to protein and carbohydrate co-ingestion in overweight and obese men: A randomised crossover trial. <i>Clinical Nutrition</i> , 2022, 41, 1623-1635.	5.0	2
151	Gestational route to healthy birth (GaRBH): protocol for an Indian prospective cohort study. <i>BMJ Open</i> , 2019, 9, e025395.	1.9	1
152	The Role of Ultra Performance Liquid Chromatography-Mass Spectrometry in Metabolic Phenotyping. , 2019, , 97-136.		1
153	The potential of on-line headspace analysis of liquid streams using direct mass spectrometry detection. <i>Analytical Proceedings</i> , 1995, 32, 361.	0.4	0
154	Metabolomics Society Board election 2014: introduction of the new officers and directors. <i>Metabolomics</i> , 2014, 10, 1045-1046.	3.0	0
155	In Reply. <i>Clinical Chemistry</i> , 2015, 61, 1544-1546.	3.2	0
156	Intestinal permeability in participants with thermal injury: A case series from a prospective, longitudinal study (HESTIA). <i>Burns Open</i> , 2020, 4, 94-102.	0.5	0
157	Suitability of Dried Blood Spots for Accelerating Veterinary Biobank Collections and Identifying Metabolomics Biomarkers With Minimal Resources. <i>Frontiers in Veterinary Science</i> , 0, 9, .	2.2	0