Warwick B Dunn

List of Publications by Year
in descending order

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157 papers	19,393 citations	22548 61 h-index	13274 135 g-index
164 all docs	164 docs citations	164 times ranked	23821 citing authors

#	Article	IF	Citations
1	Reference materials for MS-based untargeted metabolomics and lipidomics: a review by the metabolomics quality assurance and quality control consortium (mQACC). Metabolomics, 2022, 18, 24.	1.4	43
2	Oxidative stress from DGAT1 oncoprotein inhibition in melanoma suppresses tumor growth when ROS defenses are also breached. Cell Reports, 2022, 39, 110995.	2.9	19
3	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. Clinical Nutrition, 2022, 41, 1623-1635.	2.3	2
4	Improvement in the Prediction of Neonatal Hypoxic-Ischemic Encephalopathy with the Integration of Umbilical Cord Metabolites and Current Clinical Makers. Journal of Pediatrics, 2021, 229, 175-181.e1.	0.9	17
5	Characterization of Monophasic Solvent-Based Tissue Extractions for the Detection of Polar Metabolites and Lipids Applying Ultrahigh-Performance Liquid Chromatographyâ€“Mass Spectrometry Clinical Metabolic Phenotyping Assays. Journal of Proteome Research, 2021, 20, 831-840.	1.8	20
6	Cytoglobin protects cancer cells from apoptosis by regulation of mitochondrial cardiolipin. Scientific Reports, 2021, 11, 985.	1.6	10
7	Chorioamnionitis alters lung surfactant lipidome in newborns with respiratory distress syndrome. Pediatric Research, 2021, 90, 1039-1043.	1.1	8
8	Metabolomics Reveal Potential Natural Substrates of AcrB in Escherichia coli and Salmonella enterica Serovar Typhimurium. MBio, 2021, 12, .	1.8	15
9	Tick-Tock Consider the Clock: The Influence of Circadian and External Cycles on Time of Day Variation in the Human Metabolomeâ€”A Review. Metabolites, 2021, 11, 328.	1.3	15
10	Maternal intermittent fasting during pregnancy induces fetal growth restriction and down-regulated placental system A amino acid transport in the rat. Clinical Science, 2021, 135, 1445-1466.	1.8	9
11	An improved strategy for analysis of lipid molecules utilising a reversed phase C30 UHPLC column and scheduled MS/MS acquisition. Talanta, 2021, 229, 122262.	2.9	8
12	Perturbations in cardiac metabolism in a human model of acute myocardial ischaemia. Metabolomics, 2021, 17, 76.	1.4	5
13	Beta-aminoisobutyric acid is released by contracting human skeletal muscle and lowers insulin release from INS-1 832/3Âcells by mediating mitochondrial energy metabolism. Metabolism Open, 2020, 7, 100053.	1.4	18
14	Dissemination and analysis of the quality assurance (QA) and quality control (QC) practices of LCâ€“MS based untargeted metabolomics practitioners. Metabolomics, 2020, 16, 113.	1.4	56
15	Intestinal permeability in participants with thermal injury: A case series from a prospective, longitudinal study (HESTIA). Burns Open, 2020, 4, 94-102.	0.2	0
16	Assessment of human plasma and urine sample preparation for reproducible and high-throughput UHPLC-MS clinical metabolic phenotyping. Analyst, The, 2020, 145, 6511-6523.	1.7	28
17	Urinary biomonitoring of subjects with different smoking habits. Part II: an untargeted metabolomic approach and the comparison with the targeted measurement of mercapturic acids. Toxicology Letters, 2020, 329, 56-66.	0.4	10
18	Multi-Omics Analysis of Diabetic Heart Disease in the db/db Model Reveals Potential Targets for Treatment by a Longevity-Associated Gene. Cells, 2020, 9, 1283.	1.8	11

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19	Metabolic engineering against the arginine microenvironment enhances CAR-T cell proliferation and therapeutic activity. Blood, 2020, 136, 1155-1160.	0.6	84
20	Metabolic characterisation of disturbances in the APOC3/triglyceride-rich lipoprotein pathway through sample-based recall by genotype. Metabolomics, 2020, 16, 69.	1.4	3
21	Untargeted metabolomics for uncovering biological markers of human skeletal muscle ageing. Aging, 2020, 12, 12517-12533.	1.4	19
22	Bilateral Remote Ischaemic Conditioning in Children (BRICC) trial: protocol for a two-centre, double-blind, randomised controlled trial in young children undergoing cardiac surgery. BMJ Open, 2020, 10, e042176.	0.8	2
23	Bidirectional Cross-Talk between Biliary Epithelium and Th17 Cells Promotes Local Th17 Expansion and Bile Duct Proliferation in Biliary Liver Diseases. Journal of Immunology, 2019, 203, 1151-1159.	0.4	22
24	Multiple metabolic pathways are predictive of ricin intoxication in a rat model. Metabolomics, 2019, 15, 102.	1.4	8
25	Investigation of the 12-Month Stability of Dried Blood and Urine Spots Applying Untargeted UHPLC-MS Metabolomic Assays. Analytical Chemistry, 2019, 91, 14306-14313.	3.2	43
26	International Ring Trial of a High Resolution Targeted Metabolomics and Lipidomics Platform for Serum and Plasma Analysis. Analytical Chemistry, 2019, 91, 14407-14416.	3.2	66
27	Systematic Review: Clinical Metabolomics to Forecast Outcomes in Liver Transplantation Surgery. OMICS A Journal of Integrative Biology, 2019, 23, 463-476.	1.0	12
28	Gestational route to healthy birth (GaRBH): protocol for an Indian prospective cohort study. BMJ Open, 2019, 9, e025395.	0.8	1
29	Enhanced Fatty Acid Scavenging and Glycerophospholipid Metabolism Accompany Melanocyte Neoplasia Progression in Zebrafish. Cancer Research, 2019, 79, 2136-2151.	0.4	24
30	Towards quality assurance and quality control in untargeted metabolomics studies. Metabolomics, 2019, 15, 4.	1.4	101
31	The Role of Ultra Performance Liquid Chromatography-Mass Spectrometry in Metabolic Phenotyping. , 2019, , 97-136.		1
32	From mass to metabolite in human untargeted metabolomics: Recent advances in annotation of metabolites applying liquid chromatography-mass spectrometry data. TrAC - Trends in Analytical Chemistry, 2019, 120, 115324.	5.8	62
33	Untargeted metabolomic analysis and pathway discovery in perinatal asphyxia and hypoxic-ischaemic encephalopathy. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 147-162.	2.4	35
34	Comparison of modified Matyash method to conventional solvent systems for polar metabolite and lipid extractions. Analytica Chimica Acta, 2018, 1037, 301-315.	2.6	75
35	Guidelines and considerations for the use of system suitability and quality control samples in mass spectrometry assays applied in untargeted clinical metabolomic studies. Metabolomics, 2018, 14, 72.	1.4	517
36	Preanalytical Processing and Biobanking Procedures of Biological Samples for Metabolomics Research: A White Paper, Community Perspective (for â€œPrecision Medicine and Pharmacometabolomics) Tj ETQq1 0 0 rgBT /Overlock		

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37	MALDI-MS of drugs: Profiling, imaging, and steps towards quantitative analysis. Applied Spectroscopy Reviews, 2017, 52, 73-99.	3.4	11
38	Computational tools and workflows in metabolomics: An international survey highlights the opportunity for harmonisation through Galaxy. Metabolomics, 2017, 13, 12.	1.4	69
39	Collection and Preparation of Clinical Samples for Metabolomics. Advances in Experimental Medicine and Biology, 2017, 965, 19-44.	0.8	56
40	How close are we to complete annotation of metabolomes?. Current Opinion in Chemical Biology, 2017, 36, 64-69.	2.8	228
41	msPurity: Automated Evaluation of Precursor Ion Purity for Mass Spectrometry-Based Fragmentation in Metabolomics. Analytical Chemistry, 2017, 89, 2432-2439.	3.2	40
42	Quality assurance and quality control processes: summary of a metabolomics community questionnaire. Metabolomics, 2017, 13, 1.	1.4	53
43	Exercise and high-fat feeding remodel transcript-metabolite interactive networks in mouse skeletal muscle. Scientific Reports, 2017, 7, 13485.	1.6	16
44	Adipose tissue, metabolic and inflammatory responses to stroke are altered in obese mice. DMM Disease Models and Mechanisms, 2017, 10, 1229-1243.	1.2	18
45	AKR1C3-Mediated Adipose Androgen Generation Drives Lipotoxicity in Women With Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3327-3339.	1.8	133
46	The future of metabolomics in ELIXIR. F1000Research, 2017, 6, 1649.	0.8	19
47	The future of metabolomics in ELIXIR. F1000Research, 2017, 6, 1649.	0.8	11
48	CASMI 2014: Challenges, Solutions and Results. Current Metabolomics, 2017, 5, 5-17.	0.5	8
49	Metabolic Dysfunction Is Restricted to the Sciatic Nerve in Experimental Diabetic Neuropathy. Diabetes, 2016, 65, 228-238.	0.3	74
50	Metabolites involved in glycolysis and amino acid metabolism are altered in short children born small for gestational age. Pediatric Research, 2016, 80, 299-305.	1.1	6
51	Non-targeted UHPLC-MS metabolomic data processing methods: a comparative investigation of normalisation, missing value imputation, transformation and scaling. Metabolomics, 2016, 12, 93.	1.4	232
52	Metabolomics enables precision medicine: â€œA White Paper, Community Perspectiveâ€• Metabolomics, 2016, 12, 149.	1.4	434
53	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. Placenta, 2016, 44, 6-12.	0.7	9
54	Dual-5Î±-Reductase Inhibition Promotes Hepatic Lipid Accumulation in Man. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 103-113.	1.8	50

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55	Characterisation of the metabolome of ocular tissues and post-mortem changes in the rat retina. Experimental Eye Research, 2016, 149, 8-15.	1.2	14
56	Metabolomics reveals the physiological response of Pseudomonas putida KT2440 (UWC1) after pharmaceutical exposure. Molecular BioSystems, 2016, 12, 1367-1377.	2.9	5
57	In Reply. Clinical Chemistry, 2015, 61, 1544-1546.	1.5	0
58	Metabolic profiling reveals potential metabolic markers associated with Hypoxia Inducible Factor-mediated signalling in hypoxic cancer cells. Scientific Reports, 2015, 5, 15649.	1.6	30
59	Antiphospholipid Antibodies Alter Cellâ€Deathâ€Regulating Lipid Metabolites in First and Third Trimester Human Placentae. American Journal of Reproductive Immunology, 2015, 74, 181-199.	1.2	6
60	Cryptococcal 3-Hydroxy Fatty Acids Protect Cells Against Amoebal Phagocytosis. Frontiers in Microbiology, 2015, 6, 1351.	1.5	9
61	Exploring the mode of action of dithranol therapy for psoriasis: a metabolomic analysis using HaCaT cells. Molecular BioSystems, 2015, 11, 2198-2209.	2.9	20
62	A new strategy for MS/MS data acquisition applying multiple data dependent experiments on Orbitrap mass spectrometers in non-targeted metabolomic applications. Metabolomics, 2015, 11, 1068-1080.	1.4	43
63	Profiling of spatial metabolite distributions in wheat leaves under normal and nitrate limiting conditions. Phytochemistry, 2015, 115, 99-111.	1.4	24
64	Molecular phenotyping of a UK population: defining the human serum metabolome. Metabolomics, 2015, 11, 9-26.	1.4	202
65	MUSCLE: automated multi-objective evolutionary optimization of targeted LC-MS/MS analysis. Bioinformatics, 2015, 31, 975-977.	1.8	17
66	Training needs in metabolomics. Metabolomics, 2015, 11, 784-786.	1.4	11
67	Changes in the cardiac metabolome caused by perhexiline treatment in a mouse model of hypertrophic cardiomyopathy. Molecular BioSystems, 2015, 11, 564-573.	2.9	34
68	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.	1.5	113
69	HAMMER: automated operation of mass frontier to construct in silico mass spectral fragmentation libraries. Bioinformatics, 2014, 30, 581-583.	1.8	36
70	Metabolite identification: are you sure? And how do your peers gauge your confidence?. Metabolomics, 2014, 10, 350-353.	1.4	205
71	Metabolomics Society Board election 2014: introduction of the new officers and directors. Metabolomics, 2014, 10, 1045-1046.	1.4	0
72	A metabolomics investigation into the effects of HIV protease inhibitors on HPV16 E6 expressing cervical carcinoma cells. Molecular BioSystems, 2014, 10, 398-411.	2.9	10

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73	Yeast cells with impaired drug resistance accumulate glycerol and glucose. Molecular BioSystems, 2014, 10, 93-102.	2.9	12
74	Evidence That Multiple Defects in Lipid Regulation Occur before Hyperglycemia during the Prodrome of Type-2 Diabetes. PLoS ONE, 2014, 9, e103217.	1.1	40
75	Considerations in Sample Preparation, Collection, and Extraction Approaches Applied in Microbial, Plant, and Mammalian Metabolic Profiling. , 2013, , 79-118.		5
76	Metabolomic analyses show that electron donor and acceptor ratios control anaerobic electron transfer pathways in Shewanella oneidensis. Metabolomics, 2013, 9, 642-656.	1.4	15
77	Mass appeal: metabolite identification in mass spectrometry-focused untargeted metabolomics. Metabolomics, 2013, 9, 44-66.	1.4	452
78	The role of reporting standards for metabolite annotation and identification in metabolomic studies. GigaScience, 2013, 2, 13.	3.3	333
79	A novel untargeted metabolomics correlation-based network analysis incorporating human metabolic reconstructions. BMC Systems Biology, 2013, 7, 107.	3.0	64
80	Mass spectrometry and metabolomics: past, present and future. Metabolomics, 2013, 9, 1-3.	1.4	27
81	A model of yeast glycolysis based on a consistent kinetic characterisation of all its enzymes. FEBS Letters, 2013, 587, 2832-2841.	1.3	113
82	Diabetes - the Role of Metabolomics in the Discovery of New Mechanisms and Novel Biomarkers. Current Cardiovascular Risk Reports, 2013, 7, 25-32.	0.8	9
83	A community-driven global reconstruction of human metabolism. Nature Biotechnology, 2013, 31, 419-425.	9.4	920
84	Autocrine amplification of integrin Î±IIbÎ²3 activation and platelet adhesive responses by deoxyribose-1-phosphate. Thrombosis and Haemostasis, 2013, 109, 1108-1119.	1.8	9
85	CASMIâ€"The Small Molecule Identification Process from a Birmingham Perspective. Metabolites, 2013, 3, 397-411.	1.3	13
86	Proof-of-principle study to detect metabolic changes in peritoneal dialysis effluent in patients who develop encapsulating peritoneal sclerosis. Nephrology Dialysis Transplantation, 2012, 27, 2502-2510.	0.4	23
87	Dupuytren's disease metabolite analyses reveals alterations following initial short-term fibroblast culturing. Molecular BioSystems, 2012, 8, 2274.	2.9	17
88	Improving metabolic flux predictions using absolute gene expression data. BMC Systems Biology, 2012, 6, 73.	3.0	126
89	Liquid Chromatographyâ€"Mass Spectrometry Calibration Transfer and Metabolomics Data Fusion. Analytical Chemistry, 2012, 84, 9848-9857.	3.2	33
90	Metabolomic analysis of rat serum in streptozotocin-induced diabetes and after treatment with oral triethylenetetramine (TETA). Genome Medicine, 2012, 4, 35.	3.6	49

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91	The importance of experimental design and QC samples in large-scale and MS-driven untargeted metabolomic studies of humans. Bioanalysis, 2012, 4, 2249-2264.	0.6	382
92	Fingerprinting food: current technologies for the detection of food adulteration and contamination. Chemical Society Reviews, 2012, 41, 5706.	18.7	362
93	Short- and long-term dynamic responses of the metabolic network and gene expression in yeast to a transient change in the nutrient environment. Molecular BioSystems, 2012, 8, 1760.	2.9	6
94	A Metabolomic Approach Identifies Differences in Maternal Serum in Third Trimester Pregnancies That End in Poor Perinatal Outcome. Reproductive Sciences, 2012, 19, 863-875.	1.1	59
95	The metabolome of human placental tissue: investigation of first trimester tissue and changes related to preeclampsia in late pregnancy. Metabolomics, 2012, 8, 579-597.	1.4	51
96	Metabolic profiling of meat: assessment of pork hygiene and contamination with Salmonella typhimurium. Analyst, The, 2011, 136, 508-514.	1.7	17
97	Automated workflows for accurate mass-based putative metabolite identification in LC/MS-derived metabolomic datasets. Bioinformatics, 2011, 27, 1108-1112.	1.8	173
98	Integration of metabolomics in heart disease and diabetes research: current achievements and future outlook. Bioanalysis, 2011, 3, 2205-2222.	0.6	53
99	Systems level studies of mammalian metabolomes: the roles of mass spectrometry and nuclear magnetic resonance spectroscopy. Chemical Society Reviews, 2011, 40, 387-426.	18.7	689
100	Procedures for large-scale metabolic profiling of serum and plasma using gas chromatography and liquid chromatography coupled to mass spectrometry. Nature Protocols, 2011, 6, 1060-1083.	5.5	2,236
101	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.	3.2	119
102	Mass Spectrometry in Systems Biology. Methods in Enzymology, 2011, 500, 15-35.	0.4	18
103	Sample Preparation Related to the Intracellular Metabolome of Yeast. Methods in Enzymology, 2011, 500, 277-297.	0.4	15
104	TARDIS-based microbial metabolomics: time and relative differences in systems. Trends in Microbiology, 2011, 19, 315-322.	3.5	40
105	Fit-for-Purpose Quenching and Extraction Protocols for Metabolic Profiling of Yeast Using Chromatography-Mass Spectrometry Platforms. Methods in Molecular Biology, 2011, 759, 225-238.	0.4	4
106	ATR (ataxia telangiectasia mutated- and Rad3-related kinase) is activated by mild hypothermia in mammalian cells and subsequently activates p53. Biochemical Journal, 2011, 435, 499-508.	1.7	34
107	Metabolomic approaches reveal that cell wall modifications play a major role in ethyleneâ€mediated resistance against Botrytis cinerea. Plant Journal, 2011, 67, 852-868.	2.8	77
108	Extensive metabolic crossâ€talk in melon fruit revealed by spatial and developmental combinatorial metabolomics. New Phytologist, 2011, 190, 683-696.	3.5	111

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109	Adapting in vitro dual perfusion of the human placenta to soluble oxygen tensions associated with normal and pre-eclamptic pregnancy. Laboratory Investigation, 2011, 91, 181-189.	1.7	20
110	Metabolic Profiling Uncovers a Phenotypic Signature of Small for Gestational Age in Early Pregnancy. Journal of Proteome Research, 2011, 10, 3660-3673.	1.8	99
111	The role of metabolites and metabolomics in clinically applicable biomarkers of disease. Archives of Toxicology, 2011, 85, 5-17.	1.9	289
112	Absolute Quantification of the Glycolytic Pathway in Yeast:. Molecular and Cellular Proteomics, 2011, 10, M111.007633.	2.5	70
113	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. Placenta, 2010, 31, 893-901.	0.7	55
114	Systematic integration of experimental data and models in systems biology. BMC Bioinformatics, 2010, 11, 582.	1.2	28
115	Paracrine Stimulation of Endothelial Cell Motility and Angiogenesis by Platelet-Derived Deoxyribose-1-Phosphate. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2631-2638.	1.1	16
116	Robust Early Pregnancy Prediction of Later Preeclampsia Using Metabolomic Biomarkers. Hypertension, 2010, 56, 741-749.	1.3	242
117	Further developments towards a genome-scale metabolic model of yeast. BMC Systems Biology, 2010, 4, 145.	3.0	95
118	Assessment of adaptive focused acoustics versus manual vortex/freeze-thaw for intracellular metabolite extraction from Streptomyces lividans producing recombinant proteins using GC-MS and multi-block principal component analysis. Analyst, The, 2010, 135, 934.	1.7	25
119	Biomarkers of Dietary Energy Restriction in Women at Increased Risk of Breast Cancer. Cancer Prevention Research, 2009, 2, 720-731.	0.7	41
120	Systems Biology: The elements and principles of Life. FEBS Letters, 2009, 583, 3882-3890.	1.3	77
121	Inter-laboratory reproducibility of fast gas chromatographyâ€“electron impactâ€“time of flight mass spectrometry (GCâ€“Eiâ€“TOF/MS) based plant metabolomics. Metabolomics, 2009, 5, 479-496.	1.4	120
122	Development and Performance of a Gas Chromatographyâ^'Time-of-Flight Mass Spectrometry Analysis for Large-Scale Nontargeted Metabolomic Studies of Human Serum. Analytical Chemistry, 2009, 81, 7038-7046.	3.2	168
123	Mass spectrometry tools and metabolite-specific databases for molecular identification in metabolomics. Analyst, The, 2009, 134, 1322.	1.7	240
124	Effective Quenching Processes for Physiologically Valid Metabolite Profiling of Suspension Cultured Mammalian Cells. Analytical Chemistry, 2009, 81, 174-183.	3.2	132
125	¹H NMR, GCâ^'EI-TOFMS, and Data Set Correlation for Fruit Metabolomics: Application to Spatial Metabolite Analysis in Melon. Analytical Chemistry, 2009, 81, 2884-2894.	3.2	147
126	Development of a Robust and Repeatable UPLCâ^'MS Method for the Long-Term Metabolomic Study of Human Serum. Analytical Chemistry, 2009, 81, 1357-1364.	3.2	447

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127	Changes in the Metabolic Footprint of Placental Explant-Conditioned Culture Medium Identifies Metabolic Disturbances Related to Hypoxia and Pre-Eclampsia. Placenta, 2009, 30, 974-980.	0.7	76
128	Metabolite profiles of interacting mycelial fronts differ for pairings of the wood decay basidiomycete fungus, Stereum hirsutum with its competitors Coprinus micaceus and Coprinus disseminatus. Metabolomics, 2008, 4, 52-62.	1.4	63
129	Relatedness of medically important strains of Saccharomyces cerevisiae as revealed by phylogenetics and metabolomics. Yeast, 2008, 25, 501-512.	0.8	50
130	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.	1.2	161
131	Comparative evaluation of software for deconvolution of metabolomics data based on GC-TOF-MS. TrAC - Trends in Analytical Chemistry, 2008, 27, 215-227.	5.8	129
132	A consensus yeast metabolic network reconstruction obtained from a community approach to systems biology. Nature Biotechnology, 2008, 26, 1155-1160.	9.4	530
133	Analysis of the Metabolic Footprint and Tissue Metabolome of Placental Villous Explants Cultured at Different Oxygen Tensions Reveals Novel Redox Biomarkers. Placenta, 2008, 29, 691-698.	0.7	49
134	Global Metabolic Profiling of Escherichia coli Cultures:â€‰ an Evaluation of Methods for Quenching and Extraction of Intracellular Metabolites. Analytical Chemistry, 2008, 80, 2939-2948.	3.2	293
135	Genomics in cardiac metabolism. Cardiovascular Research, 2008, 79, 218-227.	1.8	21
136	Current trends and future requirements for the mass spectrometric investigation of microbial, mammalian and plant metabolomes. Physical Biology, 2008, 5, 011001.	0.8	225
137	Detection and Identification of Novel Metabolomic Biomarkers in Preeclampsia. Reproductive Sciences, 2008, 15, 591-597.	1.1	84
138	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.	0.9	118
139	Metabolic fingerprinting as a diagnostic tool. Pharmacogenomics, 2007, 8, 1243-1266.	0.6	361
140	Closed-Loop, Multiobjective Optimization of Two-Dimensional Gas Chromatography/Mass Spectrometry for Serum Metabolomics. Analytical Chemistry, 2007, 79, 464-476.	3.2	94
141	Growth control of the eukaryote cell: a systems biology study in yeast. Journal of Biology, 2007, 6, 4.	2.7	234
142	Metabolic footprinting as a tool for discriminating between brewing yeasts. Yeast, 2007, 24, 667-679.	0.8	103
143	Serum metabolomics reveals many novel metabolic markers of heart failure, including pseudouridine and 2-oxoglutarate. Metabolomics, 2007, 3, 413-426.	1.4	150
144	Huntington disease patients and transgenic mice have similar pro-catabolic serum metabolite profiles. Brain, 2006, 129, 877-886.	3.7	175

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145	MeMo: a hybrid SQL/XML approach to metabolomic data management for functional genomics. BMC Bioinformatics, 2006, 7, 281.	1.2	37
146	Metabolomics: Current analytical platforms and methodologies. TrAC - Trends in Analytical Chemistry, 2005, 24, 285-294.	5.8	939
147	Metabolic footprinting and systems biology: the medium is the message. Nature Reviews Microbiology, 2005, 3, 557-565.	13.6	373
148	Novel biomarkers for pre-eclampsia detected using metabolomics and machine learning. Metabolomics, 2005, 1, 227-234.	1.4	110
149	A laser desorption ionisation mass spectrometry approach for high throughput metabolomics. Metabolomics, 2005, 1, 243-250.	1.4	27
150	A metabolome pipeline: from concept to data to knowledge. Metabolomics, 2005, 1, 39-51.	1.4	152
151	Measuring the metabolome: current analytical technologies. Analyst, The, 2005, 130, 606.	1.7	781
152	Closed-Loop, Multiobjective Optimization of Analytical Instrumentation:Â Gas Chromatography/Time-of-Flight Mass Spectrometry of the Metabolomes of Human Serum and of Yeast Fermentations. Analytical Chemistry, 2005, 77, 290-303.	3.2	136
153	Metabolomics by numbers: acquiring and understanding global metabolite data. Trends in Biotechnology, 2004, 22, 245-252.	4.9	1,156
154	Comparison of total vaporisation and dynamic headspace techniques combined with direct mass spectrometric detection for the on-line analysis of liquid process streams. Analyst, The, 1998, 123, 343-348.	1.7	7
155	Novel techniques for the off-line analysis of liquid process streams by mass spectrometry. Analyst, The, 1996, 121, 1435.	1.7	2
156	The potential of on-line headspace analysis of liquid streams using direct mass spectrometry detection. Analytical Proceedings, 1995, 32, 361.	0.4	0
157	Suitability of Dried Blood Spots for Accelerating Veterinary Biobank Collections and Identifying Metabolomics Biomarkers With Minimal Resources. Frontiers in Veterinary Science, 0, 9, .	0.9	0