Julian L Griffin

List of Publications by Year
in descending order

185	15,288	26630 56	19749 117
papers	citations	h-index	g-index

198	198	198	25097
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Histone acetyltransferase NAA40 modulates acetyl-CoA levels and lipid synthesis. BMC Biology, 2022, 20, 22.	3.8	10
2	Gene and metabolite expression dependence on body mass index in human myocardium. Scientific Reports, 2022, 12, 1425.	3.3	3
3	Reply. Hepatology, 2022, 75, 1347-1348.	7.3	0
4	Transcriptional, epigenetic and metabolic signatures in cardiometabolic syndrome defined by extreme phenotypes. Clinical Epigenetics, 2022, 14, 39.	4.1	6
5	Long-chain ceramides are cell non-autonomous signals linking lipotoxicity to endoplasmic reticulum stress in skeletal muscle. Nature Communications, 2022, 13, 1748.	12.8	21
6	Lipidomic Approaches to Study HDL Metabolism in Patients with Central Obesity Diagnosed with Metabolic Syndrome. International Journal of Molecular Sciences, 2022, 23, 6786.	4.1	15
7	Lipid Remodeling in Hepatocyte Proliferation and Hepatocellular Carcinoma. Hepatology, 2021, 73, 1028-1044.	7.3	76
8	Monitoring apoptosis in intact cells by highâ€resolution magic angle spinning 1 H NMR spectroscopy. NMR in Biomedicine, 2021, 34, e4456.	2.8	2
9	A cross-platform approach identifies genetic regulators of human metabolism and health. Nature Genetics, 2021, 53, 54-64.	21.4	117
10	Metabolic phenotyping and cardiovascular disease: an overview of evidence from epidemiological settings. Heart, 2021, 107, 1123-1129.	2.9	22
11	L-Carnitine Stimulates In Vivo Carbohydrate Metabolism in the Type 1 Diabetic Heart as Demonstrated by Hyperpolarized MRI. Metabolites, 2021, 11, 191.	2.9	6
12	Brown and beige adipose tissue regulate systemic metabolism through a metabolite interorgan signaling axis. Nature Communications, 2021, 12, 1905.	12.8	82
13	Divergent trajectories of cellular bioenergetics, intermediary metabolism and systemic redox status in survivors and non-survivors of critical illness. Redox Biology, 2021, 41, 101907.	9.0	16
14	Liverâ€Specific Deletion of Mouse Tm6sf2 Promotes Steatosis, Fibrosis, and Hepatocellular Cancer. Hepatology, 2021, 74, 1203-1219.	7.3	57
15	Mapping Rora expression in resting and activated CD4+ T cells. PLoS ONE, 2021, 16, e0251233.	2.5	29
16	Suppression of insulin-induced gene 1 (INSIG1) function promotes hepatic lipid remodelling and restrains NASH progression. Molecular Metabolism, 2021, 48, 101210.	6.5	20
17	Decreased Fatty Acid Transporter FABP1 and Increased Isoprostanes and Neuroprostanes in the Human Term Placenta: Implications for Inflammation and Birth Weight in Maternal Pre-Gestational Obesity. Nutrients, 2021, 13, 2768.	4.1	9
18	Î²-hydroxybutyrate accumulates in the rat heart during low-flow ischaemia with implications for functional recovery. ELife, 2021, 10, .	6.0	12

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19	Genome-wide analysis of blood lipid metabolites in over 5000 South Asians reveals biological insights at cardiometabolic disease loci. BMC Medicine, 2021, 19, 232.	5.5	25
20	Nrf2 activation does not affect adenoma development in a mouse model of colorectal cancer. Communications Biology, 2021, 4, 1081.	4.4	1
21	Comprehensive phenotypic analysis of the Dp1Tyb mouse strain reveals a broad range of Down syndrome-related phenotypes. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	17
22	Decrease in Myelin-Associated Lipids Precedes Neuronal Loss and Glial Activation in the CNS of the Sandhoff Mouse as Determined by Metabolomics. Metabolites, 2021, 11, 18.	2.9	5
23	Therapeutically expanded human regulatory T-cells are super-suppressive due to HIF1A induced expression of CD73. Communications Biology, 2021, 4, 1186.	4.4	19
24	Î²-Hydroxybutyrate Oxidation in Exercise Is Impaired by Low-Carbohydrate and High-Fat Availability. Frontiers in Medicine, 2021, 8, 721673.	2.6	6
25	Cysteine and iron accelerate the formation of ribose-5-phosphate, providing insights into the evolutionary origins of the metabolic network structure. PLoS Biology, 2021, 19, e3001468.	5.6	14
26	Metabolic Effects of Doxorubicin on the Rat Liver Assessed With Hyperpolarized MRI and Metabolomics. Frontiers in Physiology, 2021, 12, 782745.	2.8	12
27	1H Nuclear Magnetic Resonance: A Future Approach to the Metabolic Profiling of Psychedelics in Human Biofluids?. Frontiers in Psychiatry, 2021, 12, 742856.	2.6	0
28	Enhanced hepatic respiratory capacity and altered lipid metabolism support metabolic homeostasis during short-term hypoxic stress. BMC Biology, 2021, 19, 265.	3.8	4
29	Twenty years of metabonomics: so what has metabonomics done for toxicology?. Xenobiotica, 2020, 50, 110-114.	1.1	21
30	Unnecessary obstacles to COVID-19 mass testing. Lancet, The, 2020, 396, 1633.	13.7	11
31	Dissemination and analysis of the quality assurance (QA) and quality control (QC) practices of LCâ€“MS based untargeted metabolomics practitioners. Metabolomics, 2020, 16, 113.	3.0	56
32	Consequences of Lipid Remodeling of Adipocyte Membranes Being Functionally Distinct from Lipid Storage in Obesity. Journal of Proteome Research, 2020, 19, 3919-3935.	3.7	12
33	Early detection of doxorubicin-induced cardiotoxicity in rats by its cardiac metabolic signature assessed with hyperpolarized MRI. Communications Biology, 2020, 3, 692.	4.4	25
34	The use of animal models in metabolomics. , 2020, , 123-136.		1
35	Myc linked to dysregulation of cholesterol transport and storage in nonsmall cell lung cancer. Journal of Lipid Research, 2020, 61, 1390-1399.	4.2	14
36	Downregulation of Keap1 Confers Features of a Fasted Metabolic State. IScience, 2020, 23, 101638.	4.1	21

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37	Insulin resistance induced by growth hormone is linked to lipolysis and associated with suppressed pyruvate dehydrogenase activity in skeletal muscle: a 2â€‰Ã—â€‰2 factorial, randomised, crossover study in human individuals. Diabetologia, 2020, 63, 2641-2653.	6.3	10
38	Inorganic Nitrate Promotes Glucose Uptake and Oxidative Catabolism in White Adipose Tissue Through the XOR-Catalyzed Nitric Oxide Pathway. Diabetes, 2020, 69, 893-901.	0.6	8
39	The GOLIATH Project: Towards an Internationally Harmonised Approach for Testing Metabolism Disrupting Compounds. International Journal of Molecular Sciences, 2020, 21, 3480.	4.1	35
40	Bone morphogenetic protein 8B promotes the progression of non-alcoholic steatohepatitis. Nature Metabolism, 2020, 2, 514-531.	11.9	31
41	Mtrr hypomorphic mutation alters liver morphology, metabolism and fuel storage in mice. Molecular Genetics and Metabolism Reports, 2020, 23, 100580.	1.1	9
42	FAMIN Is a Multifunctional Purine Enzyme Enabling the Purine Nucleotide Cycle. Cell, 2020, 180, 278-295.e23.	28.9	42
43	In memory of Michael J. O. Wakelam (1955â€“2020): a pioneer in lipid signalling and lipidomics. Metabolomics, 2020, 16, 1.	3.0	1
44	Truncation of Pik3r1 causes severe insulin resistance uncoupled from obesity and dyslipidaemia by increased energy expenditure. Molecular Metabolism, 2020, 40, 101020.	6.5	14
45	CHAPTER 2. Multivariate Statistics in Lipidomics. New Developments in Mass Spectrometry, 2020, , 25-48.	0.2	3
46	A dietary pattern derived using B-vitamins and its relationship with vascular markers over the life course. Clinical Nutrition, 2019, 38, 1464-1473.	5.0	13
47	A randomized 3-way crossover study indicates that high-protein feeding induces de novo lipogenesis in healthy humans. JCI Insight, 2019, 4, .	5.0	30
48	Dysbiosis associated with acute helminth infections in herbivorous youngstock â€“ observations and implications. Scientific Reports, 2019, 9, 11121.	3.3	27
49	XBP-1 Remodels Lipid Metabolism to Extend Longevity. Cell Reports, 2019, 28, 581-589.e4.	6.4	75
50	The cholesterol biosynthesis pathway regulates IL-10 expression in human Th1 cells. Nature Communications, 2019, 10, 498.	12.8	98
51	Metabolic Profiling of the Diabetic Heart: Toward a Richer Picture. Frontiers in Physiology, 2019, 10, 639.	2.8	27
52	Cytosine-5 RNA methylation links protein synthesis to cell metabolism. PLoS Biology, 2019, 17, e3000297.	5.6	87
53	A Comprehensive UHPLC Ion Mobility Quadrupole Time-of-Flight Method for Profiling and Quantification of Eicosanoids, Other Oxylipins, and Fatty Acids. Analytical Chemistry, 2019, 91, 8025-8035.	6.5	40
54	Ice-Age Climate Adaptations Trap the Alpine Marmot in a State of Low Genetic Diversity. Current Biology, 2019, 29, 1712-1720.e7.	3.9	27

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55	The Metabolomics Societyâ€"Current State of the Membership and Future Directions. Metabolites, 2019, 9, 89.	2.9	2
56	Changes in plasma phospholipid fatty acid profiles over 13 years and correlates of change: European Prospective Investigation into Cancer and Nutrition-Norfolk Study. American Journal of Clinical Nutrition, 2019, 109, 1527-1534.	4.7	17
57	An Unbiased Lipid Phenotyping Approach To Study the Genetic Determinants of Lipids and Their Association with Coronary Heart Disease Risk Factors. Journal of Proteome Research, 2019, 18, 2397-2410.	3.7	55
58	Assessing the causal association of glycine with risk of cardio-metabolic diseases. Nature Communications, 2019, 10, 1060.	12.8	85
59	Metabolomic and lipidomic plasma profile changes in human participants ascending to Everest Base Camp. Scientific Reports, 2019, 9, 2297.	3.3	31
60	Crosstalk between Metabolic Alterations and Altered Redox Balance in PTC-Derived Cell Lines. Metabolites, 2019, 9, 23.	2.9	7
61	Ten years of Genome Medicine. Genome Medicine, 2019, 11, 7.	8.2	11
62	The microbiota regulates murine inflammatory responses to toxin-induced CNS demyelination but has minimal impact on remyelination. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25311-25321.	7.1	29
63	A model for determining cardiac mitochondrial substrate utilisation using stable 13C-labelled metabolites. Metabolomics, 2019, 15, 154.	3.0	7
64	Inter-individual variability in the production of flavan-3-ol colonic metabolites: preliminary elucidation of urinary metabotypes. European Journal of Nutrition, 2019, 58, 1529-1543.	3.9	64
65	NMR-Based Metabolomics in Cardiac Research. Methods in Molecular Biology, 2019, 2037, 189-194.	0.9	2
66	KniMet: a pipeline for the processing of chromatographyâ€"mass spectrometry metabolomics data. Metabolomics, 2018, 14, 52.	3.0	40
67	nmrML: A Community Supported Open Data Standard for the Description, Storage, and Exchange of NMR Data. Analytical Chemistry, 2018, 90, 649-656.	6.5	50
68	Metabolomics and Lipidomics Study of Mouse Models of Type 1 Diabetes Highlights Divergent Metabolism in Purine and Tryptophan Metabolism Prior to Disease Onset. Journal of Proteome Research, 2018, 17, 946-960.	3.7	44
69	The potential of Ion Mobility Mass Spectrometry for high-throughput and high-resolution lipidomics. Current Opinion in Chemical Biology, 2018, 42, 42-50.	6.1	81
70	Metabolomic Alterations in Thyrospheres and Adherent Parental Cells in Papillary Thyroid Carcinoma Cell Lines: A Pilot Study. International Journal of Molecular Sciences, 2018, 19, 2948.	4.1	17
71	Deletion of Stearoyl-CoA Desaturase-1 From the Intestinal Epithelium Promotes Inflammation and Tumorigenesis, Reversed by Dietary Oleate. Gastroenterology, 2018, 155, 1524-1538.e9.	1.3	66
72	Italian cohort of patients affected by inflammatory bowel disease is characterised by variation in glycerophospholipid, free fatty acids and amino acid levels. Metabolomics, 2018, 14, 140.	3.0	39

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73	A comprehensive analysis of the faecal microbiome and metabolome of Strongyloides stercoralis infected volunteers from a non-endemic area. Scientific Reports, 2018, 8, 15651.	3.3	51
74	Fatty Acids Prevent Hypoxia-Inducible Factor-1Î± Signaling Through Decreased Succinate in Diabetes. JACC Basic To Translational Science, 2018, 3, 485-498.	4.1	55
75	Cyclooxygenase-2, Asymmetric Dimethylarginine, and the Cardiovascular Hazard From Nonsteroidal Anti-Inflammatory Drugs. Circulation, 2018, 138, 2367-2378.	1.6	13
76	Hepatic steatosis risk is partly driven by increased de novo lipogenesis following carbohydrate consumption. Genome Biology, 2018, 19, 79.	8.8	83
77	Alphavirus-induced hyperactivation of PI3K/AKT directs pro-viral metabolic changes. PLoS Pathogens, 2018, 14, e1006835.	4.7	50
78	Computational tools and workflows in metabolomics: An international survey highlights the opportunity for harmonisation through Galaxy. Metabolomics, 2017, 13, 12.	3.0	69
79	Inhibition of sarcolemmal FAT/CD36 by sulfo-N-succinimidyl oleate rapidly corrects metabolism and restores function in the diabetic heart following hypoxia/reoxygenation. Cardiovascular Research, 2017, 113, 737-748.	3.8	50
80	Interlaboratory Reproducibility of a Targeted Metabolomics Platform for Analysis of Human Serum and Plasma. Analytical Chemistry, 2017, 89, 656-665.	6.5	203
81	Lipidomics Profiling of Human Adipose Tissue Identifies a Pattern of Lipids Associated with Fish Oil Supplementation. Journal of Proteome Research, 2017, 16, 3168-3179.	3.7	14
82	Metabolic basis to Sherpa altitude adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6382-6387.	7.1	162
83	Odd Chain Fatty Acids; New Insights of the Relationship Between the Gut Microbiota, Dietary Intake, Biosynthesis and Glucose Intolerance. Scientific Reports, 2017, 7, 44845.	3.3	90
84	Liquid Extraction Surface Analysis Mass Spectrometry Method for Identifying the Presence and Severity of Nonalcoholic Fatty Liver Disease. Analytical Chemistry, 2017, 89, 5161-5170.	6.5	47
85	Alterations in endo-lysosomal function induce similar hepatic lipid profiles in rodent models of drug-induced phospholipidosis and Sandhoff disease. Journal of Lipid Research, 2017, 58, 1306-1314.	4.2	11
86	A clustering-based preprocessing method for the elimination of unwanted residuals in metabolomic data. Metabolomics, 2017, 13, 1.	3.0	3
87	Inorganic Nitrate Mimics Exercise-Stimulated Muscular Fiber-Type Switching and Myokine and Î³-Aminobutyric Acid Release. Diabetes, 2017, 66, 674-688.	0.6	35
88	Metabolomics applied to diabetesâ€"lessons from human population studies. International Journal of Biochemistry and Cell Biology, 2017, 93, 136-147.	2.8	30
89	The use of stable isotopes in the study of human pathophysiology. International Journal of Biochemistry and Cell Biology, 2017, 93, 102-109.	2.8	25
90	massPix: an R package for annotation and interpretation of mass spectrometry imaging data for lipidomics. Metabolomics, 2017, 13, 128.	3.0	19

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91	Lipid zonation and phospholipid remodeling in nonalcoholic fatty liver disease. Hepatology, 2017, 65, 1165-1180.	7.3	138
92	IsotopicLabelling: an R package for the analysis of MS isotopic patterns of labelled analytes. Bioinformatics, 2017, 33, 300-302.	4.1	7
93	1H NMR spectroscopy-based metabolomics analysis for the diagnosis of symptomatic E. coli-associated urinary tract infection (UTI). BMC Microbiology, 2017, 17, 201.	3.3	22
94	Metabolomics As a Tool for the Characterization of Drug-Resistant Epilepsy. Frontiers in Neurology, 2017, 8, 459.	2.4	35
95	Nox4 reprograms cardiac substrate metabolism via protein O-GlcNAcylation to enhance stress adaptation. JCI Insight, 2017, 2, .	5.0	42
96	Association of Plasma Phospholipid n-3 and n-6 Polyunsaturated Fatty Acids with Type 2 Diabetes: The EPIC-InterAct Case-Cohort Study. PLoS Medicine, 2016, 13, e1002094.	8.4	150
97	Response to Comment on Lee et al. Diabetes 2015;64:2836â€“2846. Comment on Roberts et al. Diabetes 2015;64:471â€“484. Diabetes, 2016, 65, e16-e16.	0.6	0
98	Assessing Cardiac Metabolism. Circulation Research, 2016, 118, 1659-1701.	4.5	211
99	A targeted metabolomics assay for cardiac metabolism and demonstration using a mouse model of dilated cardiomyopathy. Metabolomics, 2016, 12, 59.	3.0	37
100	From genomic medicine to precision medicine: highlights of 2015. Genome Medicine, 2016, 8, 12.	8.2	32
101	Dietary inorganic nitrate: From villain to hero in metabolic disease?. Molecular Nutrition and Food Research, 2016, 60, 67-78.	3.3	59
102	De novo lipogenesis in the liver in health and disease: more than just a shunting yard for glucose. Biological Reviews, 2016, 91, 452-468.	10.4	323
103	Novel ketone diet enhances physical and cognitive performance. FASEB Journal, 2016, 30, 4021-4032.	0.5	132
104	Blood triacylglycerols: a lipidomic window on diet and disease. Biochemical Society Transactions, 2016, 44, 638-644.	3.4	15
105	Myc Expression Drives Aberrant Lipid Metabolism in Lung Cancer. Cancer Research, 2016, 76, 4608-4618.	0.9	58
106	Metabolomics dataset of PPAR-pan treated rat liver. Data in Brief, 2016, 8, 196-202.	1.0	1
107	PPAR-pan activation induces hepatic oxidative stress and lipidomic remodelling. Free Radical Biology and Medicine, 2016, 95, 357-368.	2.9	22
108	Conditional iron and pH-dependent activity of a non-enzymatic glycolysis and pentose phosphate pathway. Science Advances, 2016, 2, e1501235.	10.3	65

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109	Dietary inorganic nitrate: From villain to hero in metabolic disease?. , 2016, 60, 67.		1
110	Genetic Predisposition to an Impaired Metabolism of the Branched-Chain Amino Acids and Risk of Type 2 Diabetes: A Mendelian Randomisation Analysis. PLoS Medicine, 2016, 13, e1002179.	8.4	324
111	Association between sucrose intake and risk of overweight and obesity in a prospective sub-cohort of the European Prospective Investigation into Cancer in Norfolk (EPIC-Norfolk). Public Health Nutrition, 2015, 18, 2815-2824.	2.2	46
112	Hyphenating sizeâ€exclusion chromatography with electrospray mass spectrometry; using onâ€line liquidâ€liquid extraction to study the lipid composition of lipoprotein particles. Rapid Communications in Mass Spectrometry, 2015, 29, 1969-1976.	1.5	7
113	Adipose tissue fatty acid chain length and mono-unsaturation increases with obesity and insulin resistance. Scientific Reports, 2015, 5, 18366.	3.3	50
114	Nitrate enhances skeletal muscle fatty acid oxidation via a nitric oxide-cGMP-PPAR-mediated mechanism. BMC Biology, 2015, 13, 110.	3.8	37
115	Mechanistic insights revealed by lipid profiling in monogenic insulin resistance syndromes. Genome Medicine, 2015, 7, 63.	8.2	23
116	COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. Metabolomics, 2015, 11, 1587-1597.	3.0	140
117	A role for vaccinia virus protein C16 in reprogramming cellular energy metabolism. Journal of General Virology, 2015, 96, 395-407.	2.9	41
118	Does Our Gut Microbiome Predict Cardiovascular Risk?. Circulation: Cardiovascular Genetics, 2015, 8, 187-191.	5.1	78
119	Hematopoietic IKBKE limits the chronicity of inflammasome priming and metaflammation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 506-511.	7.1	30
120	Comprehensive Metabolic Profiling of Age-Related Mitochondrial Dysfunction in the High-Fat-Fed ob/ob Mouse Heart. Journal of Proteome Research, 2015, 14, 2849-2862.	3.7	35
121	Quorum Sensing Is Accompanied by Global Metabolic Changes in the Opportunistic Human Pathogen Pseudomonas aeruginosa. Journal of Bacteriology, 2015, 197, 2072-2082.	2.2	91
122	Mitochondrial responses to extreme environments: insights from metabolomics. Extreme Physiology and Medicine, 2015, 4, 7.	2.5	14
123	Fatty Acid and Glucose Sensors in Hepatic Lipid Metabolism: Implications in NAFLD. Seminars in Liver Disease, 2015, 35, 250-261.	3.6	46
124	Suppression of erythropoiesis by dietary nitrate. FASEB Journal, 2015, 29, 1102-1112.	0.5	16
125	Inorganic Nitrate Promotes the Browning of White Adipose Tissue Through the Nitrate-Nitrite-Nitric Oxide Pathway. Diabetes, 2015, 64, 471-484.	0.6	121
126	Transcription Factor Nrf1 Negatively Regulates the Cystine/Glutamate Transporter and Lipid-Metabolizing Enzymes. Molecular and Cellular Biology, 2014, 34, 3800-3816.	2.3	68

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127	A type 2 biomarker separates relapsing-remitting from secondary progressive multiple sclerosis. Neurology, 2014, 83, 1492-1499.	1.1	80
128	Impaired In Vivo Mitochondrial Krebs Cycle Activity After Myocardial Infarction Assessed Using Hyperpolarized Magnetic Resonance Spectroscopy. Circulation: Cardiovascular Imaging, 2014, 7, 895-904.	2.6	54
129	The development and validation of a fast and robust dried blood spot based lipid profiling method to study infant metabolism. Metabolomics, 2014, 10, 1018-1025.	3.0	76
130	Methods for Performing Lipidomics in White Adipose Tissue. Methods in Enzymology, 2014, 538, 211-231.	1.0	15
131	Towards metabolic biomarkers of insulin resistance and type 2 diabetes: progress from the metabolome. Lancet Diabetes and Endocrinology,the, 2014, 2, 65-75.	11.4	227
132	Differences in the prospective association between individual plasma phospholipid saturated fatty acids and incident type 2 diabetes: the EPIC-InterAct case-cohort study. Lancet Diabetes and Endocrinology,the, 2014, 2, 810-818.	11.4	431
133	Dietary nitrate increases arginine availability and protects mitochondrial complex I and energetics in the hypoxic rat heart. Journal of Physiology, 2014, 592, 4715-4731.	2.9	47
134	Whole Blood Transcriptomics and Urinary Metabolomics to Define Adaptive Biochemical Pathways of High-Intensity Exercise in 50-60 Year Old Masters Athletes. PLoS ONE, 2014, 9, e92031.	2.5	47
135	A Metabolomics Investigation of Non-genotoxic Carcinogenicity in the Rat. Journal of Proteome Research, 2013, 12, 5775-5790.	3.7	16
136	Metabolomics and its use in ecology. Austral Ecology, 2013, 38, 713-720.	1.5	79
137	Biomarkers of food intake and metabolite differences between plasma and red blood cell matrices; a human metabolomic profile approach. Molecular BioSystems, 2013, 9, 1411.	2.9	23
138	NMR-based metabolomics in human disease diagnosis: applications, limitations, and recommendations. Metabolomics, 2013, 9, 1048-1072.	3.0	203
139	A practical guide to metabolomic profiling as a discovery tool for human heart disease. Journal of Molecular and Cellular Cardiology, 2013, 55, 2-11.	1.9	74
140	A study of Caenorhabditis elegans DAF-2 mutants by metabolomics and differential correlation networks. Molecular BioSystems, 2013, 9, 1632.	2.9	38
141	MetaboLightsâ€"an open-access general-purpose repository for metabolomics studies and associated meta-data. Nucleic Acids Research, 2013, 41, D781-D786.	14.5	578
142	Adaptive Changes of the Insig1/SREBP1/SCD1 Set Point Help Adipose Tissue to Cope With Increased Storage Demands of Obesity. Diabetes, 2013, 62, 3697-3708.	0.6	76
143	Metabolomic and Lipidomic Analysis of the Heart of Peroxisome Proliferator-Activated Receptor-Î³ Coactivator 1-Î² Knock Out Mice on a High Fat Diet. Metabolites, 2012, 2, 366-381.	2.9	6
144	Reply to Comment on â€œDeletion of btn1, an orthologue of CLN3, increases glycolysis and perturbs amino acid metabolism in the fission yeast model of Batten diseaseâ€• Molecular BioSystems, 2011, 7, 1349.	2.9	0

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145	The contrasting roles of PPARÎ´ and PPARÎ³ in regulating the metabolic switch between oxidation and storage of fats in white adipose tissue. Genome Biology, 2011, 12, R75.	9.6	85
146	Metabolomics as a tool for cardiac research. Nature Reviews Cardiology, 2011, 8, 630-643.	13.7	229
147	Using metabolic profiling to assess plant-pathogen interactions: an example using rice (Oryza sativa) and the blast pathogen Magnaporthe grisea. European Journal of Plant Pathology, 2011, 129, 539-554.	1.7	68
148	A single enteral feed prior to the commencement of parenteral nutrition ameliorates the incidence of steatosis in parenterally fed neonatal piglets. Metabolomics, 2011, 7, 118-125.	3.0	0
149	Ask not what data standards can do for you but what you can do for data standards: a personal view of reporting standardisation in metabolomic experiments. Metabolomics, 2011, 7, 305-306.	3.0	1
150	A Metadata description of the data in "A metabolomic comparison of urinary changes in type 2 diabetes in mouse, rat, and human.". BMC Research Notes, 2011, 4, 272.	1.4	16
151	Determining the in vivo regulation of cardiac pyruvate dehydrogenase based on label flux from hyperpolarised [1â€¹³C]pyruvate. NMR in Biomedicine, 2011, 24, 980-987.	2.8	26
152	Novel Theranostic Opportunities Offered by Characterization of Altered Membrane Lipid Metabolism in Breast Cancer Progression. Cancer Research, 2011, 71, 3236-3245.	0.9	444
153	So what have data standards ever done for us? The view from metabolomics. Genome Medicine, 2010, 2, 38.	8.2	19
154	Metabolomics of the interaction between PPARâ€Îą and age in the PPARâ€Îąâ€null mouse. Molecular Systems Biology, 2009, 5, 259.	7.2	69
155	Realâ€time assessment of Krebs cycle metabolism using hyperpolarized C magnetic resonance spectroscopy. FASEB Journal, 2009, 23, 2529-2538.	0.5	197
156	An approach for the development and selection of chromatographic methods for high-throughput metabolomic screening of urine by ultra pressure LC-ESI-ToF-MS. Metabolomics, 2009, 5, 166-182.	3.0	26
157	Ï‰-3 oil intake during weight loss in obese women results in remodelling of plasma triglyceride and fatty acids. Metabolomics, 2009, 5, 363-374.	3.0	45
158	Applications of metabolomics and proteomics to the mdx mouse model of Duchenne muscular dystrophy: lessons from downstream of the transcriptome. Genome Medicine, 2009, 1, 32.	8.2	38
159	A matter of fat: An introduction to lipidomic profiling methods. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 871, 174-181.	2.3	115
160	A Combined Metabolomic and Proteomic Investigation of the Effects of a Failure to Express Dystrophin in the Mouse Heart. Journal of Proteome Research, 2008, 7, 2069-2077.	3.7	43
161	Current challenges in metabolomics for diabetes research: a vital functional genomic tool or just a ploy for gaining funding?. Physiological Genomics, 2008, 34, 1-5.	2.3	48
162	Metabolomic applications to neuroscience: more challenges than chances?. Expert Review of Proteomics, 2007, 4, 435-437.	3.0	13

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163	The Influence of Pharmacogenetics on Fatty Liver Disease in the Wistar and Kyoto Rats:â€‰ A Combined Transcriptomic and Metabonomic Study. Journal of Proteome Research, 2007, 6, 54-61.	3.7	40
164	Tumour Metabolomics in Animal Models of Human Cancer. Journal of Proteome Research, 2007, 6, 498-505.	3.7	109
165	The Metabolomics Standards Initiative. Nature Biotechnology, 2007, 25, 846-848.	17.5	328
166	A metabolomics perspective of human brain tumours. FEBS Journal, 2007, 274, 1132-1139.	4.7	93
167	Proposed reporting requirements for the description of NMR-based metabolomics experiments. Metabolomics, 2007, 3, 223-229.	3.0	49
168	Strategies for data analyses in a high resolution 1H NMR based metabolomics study of a mouse model of Batten disease. Metabolomics, 2007, 3, 121-136.	3.0	9
169	Standard reporting requirements for biological samples in metabolomics experiments: mammalian/inÂvivo experiments. Metabolomics, 2007, 3, 179-188.	3.0	67
170	Proposed minimum reporting standards for chemical analysis. Metabolomics, 2007, 3, 211-221.	3.0	3,589
171	Metabolomics as a functional genomic tool for understanding lipid dysfunction in diabetes, obesity and related disorders. Pharmacogenomics, 2006, 7, 1095-1107.	1.3	117
172	High-Resolution Magic Angle Spinning1H NMR Spectroscopy and Reverse Transcription-PCR Analysis of Apoptosis in a Rat Glioma. Analytical Chemistry, 2006, 78, 1546-1552.	6.5	50
173	Understanding mouse models of disease through metabolomics. Current Opinion in Chemical Biology, 2006, 10, 309-315.	6.1	72
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175	Metabolic profiles to define the genome: can we hear the phenotypes?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 857-871.	4.0	117
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