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List of Publications by Year in Descending Order

128 papers	8,537 citations	49 h-index	91 g-index
136 ext. papers	9,795 ext. citations	7.1 avg, IF	5.56 L-index

#	Paper	IF	Citations
128	Indisulam targets RNA splicing and metabolism to serve as a therapeutic strategy for high-risk neuroblastoma.. *Nature Communications*, **2022**, 13, 1380	17.4	1
127	Metabonomics study of the effects of single copy mutant KRAS in the presence or absence of WT allele using human HCT116 isogenic cell lines. *Metabolomics*, **2021**, 17, 104	4.7	1
126	Advancing tools for human early lifecourse exposome research and translation (ATHLETE): Project overview.. *Environmental Epidemiology*, **2021**, 5, e166	0.2	2
125	Systems level profiling of chemotherapy-induced stress resolution in cancer cells reveals druggable trade-offs. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
124	Metabolic signatures of greater body size and their associations with risk of colorectal and endometrial cancers in the European Prospective Investigation into Cancer and Nutrition. *BMC Medicine*, **2021**, 19, 101	11.4	6
123	Phase I expansion study of the first-in-class monocarboxylate transporter 1 (MCT1) inhibitor AZD3965 in patients with diffuse large B-cell lymphoma (DLBCL) and Burkitt lymphoma (BL).. *Journal of Clinical Oncology*, **2021**, 39, 3115-3115	2.2	4
122	Enhanced triacylglycerol catabolism by carboxylesterase 1 promotes aggressive colorectal carcinoma. *Journal of Clinical Investigation*, **2021**, 131,	15.9	5
121	Variability of multi-omics profiles in a population-based child cohort. *BMC Medicine*, **2021**, 19, 166	11.4	7
120	Urinary metabolite quantitative trait loci in children and their interaction with dietary factors. *Human Molecular Genetics*, **2021**, 29, 3830-3844	5.6	1
119	Prospective analysis of circulating metabolites and endometrial cancer risk. *Gynecologic Oncology*, **2021**, 162, 475-481	4.9	4
118	The early-life exposome and epigenetic age acceleration in children. *Environment International*, **2021**, 155, 106683	12.9	5
117	Lactic acidosis induces resistance to the pan-Akt inhibitor uprosertib in colon cancer cells. *British Journal of Cancer*, **2020**, 122, 1298-1308	8.7	9
116	Tracing Nutrient Flux Following Monocarboxylate Transporter-1 Inhibition with AZD3965. *Cancers*, **2020**, 12,	6.6	2
115	A case of malignant hyperlactaemic acidosis appearing upon treatment with the mono-carboxylase transporter 1 inhibitor AZD3965. *British Journal of Cancer*, **2020**, 122, 1141-1145	8.7	5
114	Metabolic characterization of colorectal cancer cells harbouring different KRAS mutations in codon 12, 13, 61 and 146 using human SW48 isogenic cell lines. *Metabolomics*, **2020**, 16, 51	4.7	7
113	Prenatal Exposure to Perfluoroalkyl Substances Associated With Increased Susceptibility to Liver Injury in Children. *Hepatology*, **2020**, 72, 1758-1770	11.2	27
112	□Hydroxybutyrate Oxidation Promotes the Accumulation of Immunometabolites in Activated Microglia Cells. *Metabolites*, **2020**, 10,	5.6	2

111	In utero and childhood exposure to tobacco smoke and multi-layer molecular signatures in children. *BMC Medicine*, **2020**, 18, 243	11.4	6
110	RNA-binding motif protein 39 (RBM39): An emerging cancer target. *British Journal of Pharmacology*, **2020**,	8.6	2
109	Opportunities at the Interface of Network Science and Metabolic Modeling. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 591049	5.8	5
108	The coordinated action of VCP/p97 and GCN2 regulates cancer cell metabolism and proteostasis during nutrient limitation. *Oncogene*, **2019**, 38, 3216-3231	9.2	23
107	Astrocyte adenosine deaminase loss increases motor neuron toxicity in amyotrophic lateral sclerosis. *Brain*, **2019**, 142, 586-605	11.2	44
106	Intracellular Elicits the Production of Host Very Long-Chain Saturated Fatty Acids with Antimicrobial Activity. *Metabolites*, **2019**, 9,	5.6	8
105	The impact of p53 on aristolochic acid I-induced nephrotoxicity and DNA damage in vivo and in vitro. *Archives of Toxicology*, **2019**, 93, 3345-3366	5.8	11
104	The 14q32 maternally imprinted locus is a major source of longitudinally stable circulating microRNAs as measured by small RNA sequencing. *Scientific Reports*, **2019**, 9, 15787	4.9	5
103	Predictive modelling using pathway scores: robustness and significance of pathway collections. *BMC Bioinformatics*, **2019**, 20, 543	3.6	8
102	Integrated Systems Level Examination of Proteasome Inhibitor Stress Recovery in Myeloma Cells Reveals Druggable Vulnerabilities Linked to Multiple Metabolic Processes. *Blood*, **2019**, 134, 1818-1818	2.2	
101	Spinal Cord Metabolic Signatures in Models of Fast- and Slow-Progressing SOD1 Amyotrophic Lateral Sclerosis. *Frontiers in Neuroscience*, **2019**, 13, 1276	5.1	9
100	The Impact of p53 on Aristolochic Acid I-Induced Gene Expression In Vivo. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3
99	Acetaminophen cytotoxicity in HepG2 cells is associated with a decoupling of glycolysis from the TCA cycle, loss of NADPH production, and suppression of anabolism. *Archives of Toxicology*, **2019**, 93, 341-353	5.8	14
98	Pre-diagnostic blood immune markers, incidence and progression of B-cell lymphoma and multiple myeloma: Univariate and functionally informed multivariate analyses. *International Journal of Cancer*, **2018**, 143, 1335-1347	7.5	10
97	A model-based assay design to reproduce in vivo patterns of acute drug-induced toxicity. *Archives of Toxicology*, **2018**, 92, 553-555	5.8	17
96	Determinants of the urinary and serum metabolome in children from six European populations. *BMC Medicine*, **2018**, 16, 202	11.4	56
95	Persistence of Epigenomic Effects After Recovery From Repeated Treatment With Two Nephrocarcinogens. *Frontiers in Genetics*, **2018**, 9, 558	4.5	4
94	Urine Metabolic Signatures of Multiple Environmental Pollutants in Pregnant Women: An Exposome Approach. *Environmental Science & Technology*, **2018**, 52, 13469-13480	10.3	32

93	In-utero and childhood chemical exposome in six European mother-child cohorts. *Environment International*, **2018**, 121, 751-763	12.9	79
92	Intracellular Staphylococcus aureus Modulates Host Central Carbon Metabolism To Activate Autophagy. *MSphere*, **2018**, 3,	5	37
91	Human Early Life Exposome (HELIX) study: a European population-based exposome cohort. *BMJ Open*, **2018**, 8, e021311	3	88
90	Omics-based responses induced by bosentan in human hepatoma HepaRG cell cultures. *Archives of Toxicology*, **2018**, 92, 1939-1952	5.8	21
89	Blood-based omic profiling supports female susceptibility to tobacco smoke-induced cardiovascular diseases. *Scientific Reports*, **2017**, 7, 42870	4.9	19
88	CYP3A7*1C allele is associated with reduced levels of 2-hydroxylation pathway oestrogen metabolites. *British Journal of Cancer*, **2017**, 116, 382-388	8.7	8
87	Inhibition of monocarboxyate transporter 1 by AZD3965 as a novel therapeutic approach for diffuse large B-cell lymphoma and Burkitt lymphoma. *Haematologica*, **2017**, 102, 1247-1257	6.6	58
86	Metabolomic characterisation of the effects of oncogenic PIK3CA transformation in a breast epithelial cell line. *Scientific Reports*, **2017**, 7, 46079	4.9	14
85	Metabolite signatures of doxorubicin induced toxicity in human induced pluripotent stem cell-derived cardiomyocytes. *Amino Acids*, **2017**, 49, 1955-1963	3.5	14
84	Assessment of metabolic phenotypic variability in children's urine using H NMR spectroscopy. *Scientific Reports*, **2017**, 7, 46082	4.9	23
83	Interlaboratory Reproducibility of a Targeted Metabolomics Platform for Analysis of Human Serum and Plasma. *Analytical Chemistry*, **2017**, 89, 656-665	7.8	131
82	Altered Metabolic Profiles Associate with Toxicity in SOD1 Astrocyte-Neuron Co-Cultures. *Scientific Reports*, **2017**, 7, 50	4.9	10
81	Lipid degradation promotes prostate cancer cell survival. *Oncotarget*, **2017**, 8, 38264-38275	3.3	41
80	T cell inhibitory mechanisms in a model of aggressive Non-Hodgkin's Lymphoma. *OncoImmunology*, **2017**, 7, e1365997	7.2	1
79	Metabolomic Analysis Reveals Increased Aerobic Glycolysis and Amino Acid Deficit in a Cellular Model of Amyotrophic Lateral Sclerosis. *Molecular Neurobiology*, **2016**, 53, 2222-40	6.2	44
78	p53 Loss in MYC-Driven Neuroblastoma Leads to Metabolic Adaptations Supporting Radioresistance. *Cancer Research*, **2016**, 76, 3025-35	10.1	25
77	Suppression of MTHFD2 in MCF-7 Breast Cancer Cells Increases Glycolysis, Dependency on Exogenous Glycine, and Sensitivity to Folate Depletion. *Journal of Proteome Research*, **2016**, 15, 2618-25	5.6	23
76	Identification of genomic biomarkers for anthracycline-induced cardiotoxicity in human iPSC-derived cardiomyocytes: an in vitro repeated exposure toxicity approach for safety assessment. *Archives of Toxicology*, **2016**, 90, 2763-2777	5.8	62

75	A Systems Oncology Approach Identifies NT5E as a Key Metabolic Regulator in Tumor Cells and Modulator of Platinum Sensitivity. *Journal of Proteome Research*, **2016**, 15, 280-90	5.6	17
74	Metabonomic analysis of ovarian tumour cyst fluid by proton nuclear magnetic resonance spectroscopy. *Oncotarget*, **2016**, 7, 7216-26	3.3	25
73	Over-representation of correlation analysis (ORCA): a method for identifying associations between variable sets. *Bioinformatics*, **2015**, 31, 102-8	7.2	2
72	Influence of glutathione-S-transferase (GST) inhibition on lung epithelial cell injury: role of oxidative stress and metabolism. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 308, L1274-85	5.8	17
71	convISA: A simple, convoluted method for isotopomer spectral analysis of fatty acids and cholesterol. *Metabolic Engineering*, **2015**, 32, 125-132	9.7	14
70	Metabolic profiling in human exposome studies. *Mutagenesis*, **2015**, 30, 755-62	2.8	33
69	Plasma metabolomic profiles of breast cancer patients after short-term limonene intervention. *Cancer Prevention Research*, **2015**, 8, 86-93	3.2	27
68	Diurnal rhythms in the human urine metabolome during sleep and total sleep deprivation. *Scientific Reports*, **2015**, 5, 14843	4.9	88
67	diXa: a data infrastructure for chemical safety assessment. *Bioinformatics*, **2015**, 31, 1505-7	7.2	27
66	Alterations of choline phospholipid metabolism in endometrial cancer are caused by choline kinase alpha overexpression and a hyperactivated deacylation pathway. *Cancer Research*, **2014**, 74, 6867-77	10.1	61
65	Metabolomic characterization of nipple aspirate fluid by (1)H NMR spectroscopy and GC-MS. *Journal of Proteome Research*, **2014**, 13, 883-9	5.6	15
64	Metabolomic studies of patient material by high-resolution magic angle spinning nuclear magnetic resonance spectroscopy. *Methods in Enzymology*, **2014**, 543, 297-313	1.7	5
63	Metabonomic analysis of water extracts from different angelica roots by □H-nuclear magnetic resonance spectroscopy. *Molecules*, **2014**, 19, 3460-70	4.8	12
62	The human early-life exposome (HELIX): project rationale and design. *Environmental Health Perspectives*, **2014**, 122, 535-44	8.4	219
61	Serum metabolomic pertubations among workers exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). *Environmental and Molecular Mutagenesis*, **2013**, 54, 558-65	3.2	20
60	Evaluation of 1H NMR metabolic profiling using biofluid mixture design. *Analytical Chemistry*, **2013**, 85, 6674-81	7.8	4
59	1H HR-MAS NMR spectroscopy of tumor-induced local metabolic "field-effects" enables colorectal cancer staging and prognostication. *Journal of Proteome Research*, **2013**, 12, 959-68	5.6	92
58	Performance in omics analyses of blood samples in long-term storage: opportunities for the exploitation of existing biobanks in environmental health research. *Environmental Health Perspectives*, **2013**, 121, 480-7	8.4	111

57	Metabolomics in toxicology and preclinical research. *ALTEX: Alternatives To Animal Experimentation*, **2013**, 30, 209-25	4.3	135
56	Metabolic characterization of Leishmania major infection in activated and nonactivated macrophages. *Journal of Proteome Research*, **2012**, 11, 4211-22	5.6	24
55	Intra- and interlaboratory reproducibility of ultra performance liquid chromatography-time-of-flight mass spectrometry for urinary metabolic profiling. *Analytical Chemistry*, **2012**, 84, 2424-32	7.8	36
54	Metabolic profiling detects early effects of environmental and lifestyle exposure to cadmium in a human population. *BMC Medicine*, **2012**, 10, 61	11.4	98
53	Chiral metabonomics: 1H NMR-based enantiospecific differentiation of metabolites in human urine via direct cosolvation with Ecyclodextrin. *Analytical Chemistry*, **2012**, 84, 2868-74	7.8	31
52	Biofluid metabonomics using (1)H NMR spectroscopy: the road to biomarker discovery in gastroenterology and hepatology. *Expert Review of Gastroenterology and Hepatology*, **2012**, 6, 239-51	4.2	22
51	Choline-releasing glycerophosphodiesterase EDI3 drives tumor cell migration and metastasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 8155-60	11.5	69
50	Reply to Moestue et al.: Untangling the contribution of choline metabolism to the metastatic process: Fig. 1.. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E2507-E2507	11.5	1
49	Metabolic signatures of malignant progression in prostate epithelial cells. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 1002-9	5.6	40
48	Nuclear magnetic resonance (NMR)-based metabolomics. *Methods in Molecular Biology*, **2011**, 708, 321-34	1.4	30
47	Evaluation of urinary ribonucleoside profiling for clinical biomarker discovery using constant neutral loss scanning liquid chromatography/tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 2071-82	2.2	13
46	Meeting-in-the-middle using metabolic profiling - a strategy for the identification of intermediate biomarkers in cohort studies. *Biomarkers*, **2011**, 16, 83-8	2.6	88
45	Pharmacometabonomic profiling as a predictor of toxicity in patients with inoperable colorectal cancer treated with capecitabine. *Clinical Cancer Research*, **2011**, 17, 3019-28	12.9	90
44	Consensus-phenotype integration of transcriptomic and metabolomic data implies a role for metabolism in the chemosensitivity of tumour cells. *PLoS Computational Biology*, **2011**, 7, e1001113	5	65
43	High-resolution magic-angle-spinning NMR spectroscopy for metabolic profiling of intact tissues. *Nature Protocols*, **2010**, 5, 1019-32	18.8	309
42	Metabolic profiling detects field effects in nondysplastic tissue from esophageal cancer patients. *Cancer Research*, **2010**, 70, 9129-36	10.1	38
41	1H NMR spectroscopy-based interventional metabolic phenotyping: a cohort study of rheumatoid arthritis patients. *Journal of Proteome Research*, **2010**, 9, 4545-53	5.6	75
40	Effect of the histone deacetylase inhibitor trichostatin a on the metabolome of cultured primary hepatocytes. *Journal of Proteome Research*, **2010**, 9, 413-9	5.6	12

39	Ultra performance liquid chromatography-mass spectrometry profiling of bile acid metabolites in biofluids: application to experimental toxicology studies. *Analytical Chemistry*, **2010**, 82, 5282-9	7.8	79
38	NMR-based metabolic profiling identifies biomarkers of liver regeneration following partial hepatectomy in the rat. *Journal of Proteome Research*, **2010**, 9, 59-69	5.6	68
37	Plasma metabolic profiling reveals age-dependency of systemic effects of green tea polyphenols in mice with and without prostate cancer. *Molecular BioSystems*, **2010**, 6, 1911-6		3
36	Metabolic Profiling for Biomarker Discovery **2010**, 47-74		
35	Circulating sphingosine-1-phosphate inversely correlates with chemotherapy-induced weight gain during early breast cancer. *Breast Cancer Research and Treatment*, **2010**, 124, 543-9	4.4	6
34	Genetic algorithms for simultaneous variable and sample selection in metabonomics. *Bioinformatics* , **2009**, 25, 112-8	7.2	50
33	Serum molecular signatures of weight change during early breast cancer chemotherapy. *Clinical Cancer Research*, **2009**, 15, 6716-23	12.9	50
32	Citrate transport and metabolism in mammalian cells: prostate epithelial cells and prostate cancer. *BioEssays*, **2009**, 31, 10-20	4.1	98
31	Cluster analysis statistical spectroscopy using nuclear magnetic resonance generated metabolic data sets from perturbed biological systems. *Analytical Chemistry*, **2009**, 81, 6581-9	7.8	30
30	Pivotal role for two electron reduction in 2,3-dimethoxy-1,4-naphthoquinone and 2-methyl-1,4-naphthoquinone metabolism and kinetics in vivo that prevents liver redox stress. *Chemical Research in Toxicology*, **2009**, 22, 717-25	4	17
29	Mechanistic aspects and novel biomarkers of responder and non-responder phenotypes in galactosamine-induced hepatitis. *Journal of Proteome Research*, **2009**, 8, 5175-87	5.6	35
28	Detection of metabolic alterations in non-tumor gastrointestinal tissue of the Apc(Min/+) mouse by (1)H MAS NMR spectroscopy. *Journal of Proteome Research*, **2009**, 8, 1423-30	5.6	31
27	Metabolic profiling of human colorectal cancer using high-resolution magic angle spinning nuclear magnetic resonance (HR-MAS NMR) spectroscopy and gas chromatography mass spectrometry (GC/MS). *Journal of Proteome Research*, **2009**, 8, 352-61	5.6	377
26	Temporal metabonomic modeling of l-arginine-induced exocrine pancreatitis. *Journal of Proteome Research*, **2008**, 7, 4435-45	5.6	49
25	The carcinoGENOMICS project: critical selection of model compounds for the development of omics-based in vitro carcinogenicity screening assays. *Mutation Research - Reviews in Mutation Research*, **2008**, 659, 202-10	7	50
24	Heteronuclear 19F-1H statistical total correlation spectroscopy as a tool in drug metabolism: study of flucloxacillin biotransformation. *Analytical Chemistry*, **2008**, 80, 1073-9	7.8	50
23	Metabolic profiling of transgenic adenocarcinoma of mouse prostate (TRAMP) tissue by 1H-NMR analysis: evidence for unusual phospholipid metabolism. *Prostate*, **2008**, 68, 1035-47	4.2	31
22	Robust algorithms for automated chemical shift calibration of 1D 1H NMR spectra of blood serum. *Analytical Chemistry*, **2008**, 80, 7158-62	7.8	52

21	Direct quantitative trait locus mapping of mammalian metabolic phenotypes in diabetic and normoglycemic rat models. *Nature Genetics*, **2007**, 39, 666-72	36.3	132
20	Metabolic profiling, metabolomic and metabonomic procedures for NMR spectroscopy of urine, plasma, serum and tissue extracts. *Nature Protocols*, **2007**, 2, 2692-703	18.8	1536
19	Standard reporting requirements for biological samples in metabolomics experiments: mammalian/in vivo experiments. *Metabolomics*, **2007**, 3, 179-188	4.7	63
18	Application of metabonomics in drug development. *Pharmacogenomics*, **2007**, 8, 731-41	2.6	53
17	Prediction and classification of drug toxicity using probabilistic modeling of temporal metabolic data: the consortium on metabonomic toxicology screening approach. *Journal of Proteome Research*, **2007**, 6, 4407-22	5.6	146
16	Metabolic profile biomarkers of metal contamination in a sentinel terrestrial species are applicable across multiple sites. *Environmental Science & Technology*, **2007**, 41, 4458-64	10.3	93
15	Metabonomic modeling of drug toxicity **2006**, 109, 92-106		128
14	Impact of analytical bias in metabonomic studies of human blood serum and plasma. *Analytical Chemistry*, **2006**, 78, 4307-18	7.8	200
13	Metabolomic evaluation of rat liver and testis to characterize the toxicity of triazole fungicides. *Metabolomics*, **2006**, 2, 63-73	4.7	34
12	Summary recommendations for standardization and reporting of metabolic analyses. *Nature Biotechnology*, **2005**, 23, 833-8	44.5	233
11	Comparative metabonomics of differential hydrazine toxicity in the rat and mouse. *Toxicology and Applied Pharmacology*, **2005**, 204, 135-51	4.6	107
10	The Consortium for Metabonomic Toxicology (COMET): aims, activities and achievements. *Pharmacogenomics*, **2005**, 6, 691-9	2.6	255
9	Geometric trajectory analysis of metabolic responses to toxicity can define treatment specific profiles. *Chemical Research in Toxicology*, **2004**, 17, 579-87	4	131
8	Spectral editing and pattern recognition methods applied to high-resolution magic-angle spinning 1H nuclear magnetic resonance spectroscopy of liver tissues. *Analytical Biochemistry*, **2003**, 323, 26-32	3.1	134
7	Contemporary issues in toxicology the role of metabonomics in toxicology and its evaluation by the COMET project. *Toxicology and Applied Pharmacology*, **2003**, 187, 137-46	4.6	342
6	NMR-based metabonomic toxicity classification: hierarchical cluster analysis and k-nearest-neighbour approaches. *Analytica Chimica Acta*, **2003**, 490, 3-15	6.6	127
5	Improved analysis of multivariate data by variable stability scaling: application to NMR-based metabolic profiling. *Analytica Chimica Acta*, **2003**, 490, 265-276	6.6	149
4	Toxicity classification from metabonomic data using a density superposition approach: CLOUDS *Analytica Chimica Acta*, **2003**, 490, 109-122	6.6	69

3	Analytical reproducibility in (1)H NMR-based metabonomic urinalysis. *Chemical Research in Toxicology*, **2002**, 15, 1380-6	4	239
2	Cryogenic probe 13C NMR spectroscopy of urine for metabonomic studies. *Analytical Chemistry*, **2002**, 74, 4588-93	7.8	174
1	Metabolic profiling of rodent biological fluids via 1H NMR spectroscopy using a 1 mm microlitre probe. *Analyst, The*, **2002**, 127, 582-4	5	44