

Elaine Holmes

List of Publications by Year in Descending Order

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

510
papers

54,341
citations

114
h-index

219
g-index

561
ext. papers

61,404
ext. citations

7.4
avg, IF

7.43
L-index

#	Paper	IF	Citations
510	The impact of bariatric surgery on serum tryptophan-kynurenine pathway metabolites.. <i>Scientific Reports</i> , 2022 , 12, 294	4.9	3
509	Lack of anti-TNF drugs levels in fistula tissue - a reason for nonresponse in Crohn's perianal fistulating disease?. <i>European Journal of Gastroenterology and Hepatology</i> , 2022 , 34, 18-26	2.2	1
508	Blood pressure interactions with the DASH dietary pattern, sodium, and potassium: The International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP).. <i>American Journal of Clinical Nutrition</i> , 2022 ,	7	1
507	Infection with the hepatitis C virus causes viral genotype-specific differences in cholesterol metabolism and hepatic steatosis.. <i>Scientific Reports</i> , 2022 , 12, 5562	4.9	0
506	Integrated fecal microbiome-metabolome signatures reflect stress and serotonin metabolism in irritable bowel syndrome.. <i>Gut Microbes</i> , 2022 , 14, 2063016	8.8	1
505	Odd Chain Fatty Acids Are Not Robust Biomarkers for Dietary Intake of Fiber. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2100316	5.9	
504	Mapping of population disparities in the cholangiocarcinoma urinary metabolome. <i>Scientific Reports</i> , 2021 , 11, 21286	4.9	0
503	Differences in amino acid and lipid metabolism distinguish Crohn's from idiopathic/cryptoglandular perianal fistulas by tissue metabolomic profiling and may offer clues to underlying pathogenesis. <i>European Journal of Gastroenterology and Hepatology</i> , 2021 , 33, 1469-1479	2.2	4
502	Systemic Perturbations in Amine and Kynurenine Metabolism Associated with Acute SARS-CoV-2 Infection and Inflammatory Cytokine Responses. <i>Journal of Proteome Research</i> , 2021 , 20, 2796-2811	5.6	30
501	Modifying gut integrity and microbiome in children with severe acute malnutrition using legume-based feeds (MIMBLE): A pilot trial. <i>Cell Reports Medicine</i> , 2021 , 2, 100280	18	1
500	Incomplete Systemic Recovery and Metabolic Phenoreversion in Post-Acute-Phase Nonhospitalized COVID-19 Patients: Implications for Assessment of Post-Acute COVID-19 Syndrome. <i>Journal of Proteome Research</i> , 2021 , 20, 3315-3329	5.6	20
499	Iron status influences non-alcoholic fatty liver disease in obesity through the gut microbiome. <i>Microbiome</i> , 2021 , 9, 104	16.6	15
498	Age-related immune response heterogeneity to SARS-CoV-2 vaccine BNT162b2. <i>Nature</i> , 2021 , 596, 417-424	52.4	163
497	Roux-en-Y gastric bypass-induced bacterial perturbation contributes to altered host-bacterial co-metabolic phenotype. <i>Microbiome</i> , 2021 , 9, 139	16.6	9
496	Diagnostic Potential of the Plasma Lipidome in Infectious Disease: Application to Acute SARS-CoV-2 Infection. <i>Metabolites</i> , 2021 , 11,	5.6	6
495	Tryptophan-metabolizing gut microbes regulate adult neurogenesis via the aryl hydrocarbon receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	9
494	Strategy for improved characterization of human metabolic phenotypes using a COMbined Multi-block Principal components Analysis with Statistical Spectroscopy (COMPASS). <i>Bioinformatics</i> , 2021 , 36, 5229-5236	7.2	

493	Metabolomic Analysis in Inflammatory Bowel Disease: A Systematic Review. <i>Journal of Crohns and Colitis</i> , 2021 , 15, 813-826	1.5	18
492	A simultaneous exploratory and quantitative amino acid and biogenic amine metabolic profiling platform for rapid disease phenotyping via UPLC-QToF-MS. <i>Talanta</i> , 2021 , 223, 121872	6.2	4
491	The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures case-study approach. <i>Translational Sports Medicine</i> , 2021 , 4, 174-192	1.3	6
490	Neuroendocrine Neoplasms: Identification of Novel Metabolic Circuits of Potential Diagnostic Utility. <i>Cancers</i> , 2021 , 13,	6.6	1
489	NMR Spectroscopic Windows on the Systemic Effects of SARS-CoV-2 Infection on Plasma Lipoproteins and Metabolites in Relation to Circulating Cytokines. <i>Journal of Proteome Research</i> , 2021 , 20, 1382-1396	5.6	25
488	Roux-en-Y gastric bypass surgery in Zucker rats induces bacterial and systemic metabolic changes independent of caloric restriction-induced weight loss. <i>Gut Microbes</i> , 2021 , 13, 1-20	8.8	9
487	Diffusion and Relaxation Edited Proton NMR Spectroscopy of Plasma Reveals a High-Fidelity Supramolecular Biomarker Signature of SARS-CoV-2 Infection. <i>Analytical Chemistry</i> , 2021 , 93, 3976-3986	7.8	11
486	Statistical analysis in metabolic phenotyping. <i>Nature Protocols</i> , 2021 , 16, 4299-4326	18.8	8
485	Integrative Modeling of Plasma Metabolic and Lipoprotein Biomarkers of SARS-CoV-2 Infection in Spanish and Australian COVID-19 Patient Cohorts. <i>Journal of Proteome Research</i> , 2021 , 20, 4139-4152	5.6	8
484	Low Volume in Vitro Diagnostic Proton NMR Spectroscopy of Human Blood Plasma for Lipoprotein and Metabolite Analysis: Application to SARS-CoV-2 Biomarkers. <i>Journal of Proteome Research</i> , 2021 , 20, 1415-1423	5.6	8
483	Metabolic phenotyping reveals a reduction in the bioavailability of serotonin and kynurenine pathway metabolites in both the urine and serum of individuals living with Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2021 , 13, 20	9	22
482	Urinary metabolic phenotyping for Alzheimer's disease. <i>Scientific Reports</i> , 2020 , 10, 21745	4.9	10
481	Performance of metabolomic serum analysis for diagnostics in paediatric tuberculosis. <i>Scientific Reports</i> , 2020 , 10, 7302	4.9	3
480	Nutriome-metabolome relationships provide insights into dietary intake and metabolism. <i>Nature Food</i> , 2020 , 1, 426-436	14.4	15
479	Dietary metabotype modelling predicts individual responses to dietary interventions. <i>Nature Food</i> , 2020 , 1, 355-364	14.4	14
478	Longitudinal metabolic and gut bacterial profiling of pregnant women with previous bariatric surgery. <i>Gut</i> , 2020 , 69, 1452-1459	19.2	12
477	Exploring Metabolic Consequences of and Dysregulation in Hepatocellular Carcinoma by Network Reconstruction. <i>Journal of Hepatocellular Carcinoma</i> , 2020 , 7, 1-9	5.3	3
476	Clinical and molecular evidence of accelerated ageing following very preterm birth. <i>Pediatric Research</i> , 2020 , 87, 1005-1010	3.2	15

475	The association of fish consumption and its urinary metabolites with cardiovascular risk factors: the International Study of Macro-/Micronutrients and Blood Pressure (INTERMAP). <i>American Journal of Clinical Nutrition</i> , 2020 , 111, 280-290	7	18
474	Identifying unknown metabolites using NMR-based metabolic profiling techniques. <i>Nature Protocols</i> , 2020 , 15, 2538-2567	18.8	38
473	Investigating the Role of Diet and Exercise in Gut Microbe-Host Cometabolism. <i>MSystems</i> , 2020 , 5,	7.6	4
472	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. <i>EBioMedicine</i> , 2020 , 58, 102932	8.8	2
471	A natural mutation in <i>Pisum sativum</i> L. (pea) alters starch assembly and improves glucose homeostasis in humans. <i>Nature Food</i> , 2020 , 1, 693-704	14.4	15
470	Quantitative In-Vitro Diagnostic NMR Spectroscopy for Lipoprotein and Metabolite Measurements in Plasma and Serum: Recommendations for Analytical Artifact Minimization with Special Reference to COVID-19/SARS-CoV-2 Samples. <i>Journal of Proteome Research</i> , 2020 , 19, 4428-4441	5.6	15
469	Understanding the mechanisms of efficacy of fecal microbiota transplant in treating recurrent infection and beyond: the contribution of gut microbial-derived metabolites. <i>Gut Microbes</i> , 2020 , 12, 1810531	8.8	12
468	Integrative Modeling of Quantitative Plasma Lipoprotein, Metabolic, and Amino Acid Data Reveals a Multiorgan Pathological Signature of SARS-CoV-2 Infection. <i>Journal of Proteome Research</i> , 2020 , 19, 4442-4454	5.6	67
467	Improved Spatial Resolution of Metabolites in Tissue Biopsies Using High-Resolution Magic-Angle-Spinning Slice Localization NMR Spectroscopy. <i>Analytical Chemistry</i> , 2020 , 92, 11516-11519	7.8	3
466	Characterisation of the Serum Metabolic Signature of Cholangiocarcinoma in a United Kingdom Cohort. <i>Journal of Clinical and Experimental Hepatology</i> , 2020 , 10, 17-29	4.1	5
465	Association of Untargeted Urinary Metabolomics and Lung Cancer Risk Among Never-Smoking Women in China. <i>JAMA Network Open</i> , 2019 , 2, e1911970	10.4	15
464	A Unified Conceptual Framework for Metabolic Phenotyping in Diagnosis and Prognosis. <i>Trends in Pharmacological Sciences</i> , 2019 , 40, 763-773	13.2	15
463	¹ H NMR metabolomic approach reveals chlorogenic acid as a response of sugarcane induced by exposure to <i>Diatraea saccharalis</i> . <i>Industrial Crops and Products</i> , 2019 , 140, 111651	5.9	6
462	NMR and MS urinary metabolic phenotyping in kidney diseases is fit-for-purpose in the presence of a protease inhibitor. <i>Molecular Omics</i> , 2019 , 15, 39-49	4.4	2
461	Spot and Cumulative Urine Samples Are Suitable Replacements for 24-Hour Urine Collections for Objective Measures of Dietary Exposure in Adults Using Metabolite Biomarkers. <i>Journal of Nutrition</i> , 2019 , 149, 1692-1700	4.1	15
460	Bariatric Surgery Modulates Urinary Levels of MicroRNAs Involved in the Regulation of Renal Function. <i>Frontiers in Endocrinology</i> , 2019 , 10, 319	5.7	7
459	Characterization of the urinary metabolic profile of cholangiocarcinoma in a United Kingdom population. <i>Hepatic Medicine: Evidence and Research</i> , 2019 , 11, 47-67	3.4	6
458	Mass Spectrometry: A Guide for the Clinician. <i>Journal of Clinical and Experimental Hepatology</i> , 2019 , 9, 597-606	4.1	5

457	Serum metabolic signatures of coronary and carotid atherosclerosis and subsequent cardiovascular disease. <i>European Heart Journal</i> , 2019 , 40, 2883-2896	9.5	58
456	Effects of Inulin Propionate Ester Incorporated into Palatable Food Products on Appetite and Resting Energy Expenditure: A Randomised Crossover Study. <i>Nutrients</i> , 2019 , 11,	6.7	12
455	Enhanced Microbial Bile Acid Deconjugation and Impaired Ileal Uptake in Pregnancy Repress Intestinal Regulation of Bile Acid Synthesis. <i>Hepatology</i> , 2019 , 70, 276-293	11.2	17
454	Ultrahigh-Performance Liquid Chromatography Tandem Mass Spectrometry with Electrospray Ionization Quantification of Tryptophan Metabolites and Markers of Gut Health in Serum and Plasma-Application to Clinical and Epidemiology Cohorts. <i>Analytical Chemistry</i> , 2019 , 91, 5207-5216	7.8	36
453	Dietary supplementation with inulin-propionate ester or inulin improves insulin sensitivity in adults with overweight and obesity with distinct effects on the gut microbiota, plasma metabolome and systemic inflammatory responses: a randomised cross-over trial. <i>Gut</i> , 2019 , 68, 1430-1438	19.2	134
452	Obesity and Cage Environment Modulate Metabolism in the Zucker Rat: A Multiple Biological Matrix Approach to Characterizing Metabolic Phenomena. <i>Journal of Proteome Research</i> , 2019 , 18, 2160-2174	5.6	3
451	Autotaxin, bile acid profile and effect of ileal bile acid transporter inhibition in primary biliary cholangitis patients with pruritus. <i>Liver International</i> , 2019 , 39, 967-975	7.9	13
450	Microbial bile salt hydrolases mediate the efficacy of faecal microbiota transplant in the treatment of recurrent infection. <i>Gut</i> , 2019 , 68, 1791-1800	19.2	100
449	Characterisation of the Urinary Metabolic Profile of Liver Fluke-Associated Cholangiocarcinoma. <i>Journal of Clinical and Experimental Hepatology</i> , 2019 , 9, 657-675	4.1	6
448	The gut microbiota influences skeletal muscle mass and function in mice. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	124
447	Metabolic Phenotyping in Venous Disease: The Need for Standardization. <i>Journal of Proteome Research</i> , 2019 , 18, 3809-3820	5.6	7
446	Metabolism of the predominant human milk oligosaccharide fucosyllactose by an infant gut commensal. <i>Scientific Reports</i> , 2019 , 9, 15427	4.9	39
445	Neurogenesis and longevity signaling in young germ-free mice transplanted with the gut microbiota of old mice. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	65
444	Multi-Compartment Profiling of Bacterial and Host Metabolites Identifies Intestinal Dysbiosis and Its Functional Consequences in the Critically Ill Child. <i>Critical Care Medicine</i> , 2019 , 47, e727-e734	1.4	9
443	The metabolic fate and effects of 2-Bromophenol in male Sprague-Dawley rats. <i>Xenobiotica</i> , 2019 , 49, 1352-1359	2	1
442	An Overview of Metabolic Phenotyping and Its Role in Systems Biology 2019 , 1-51		2
441	Metabolic Phenotyping: History, Status, and Prospects 2019 , 571-583		
440	The microbiome of professional athletes differs from that of more sedentary subjects in composition and particularly at the functional metabolic level. <i>Gut</i> , 2018 , 67, 625-633	19.2	200

439	Optimized Phenotypic Biomarker Discovery and Confounder Elimination via Covariate-Adjusted Projection to Latent Structures from Metabolic Spectroscopy Data. <i>Journal of Proteome Research</i> , 2018 , 17, 1586-1595	5.6	20
438	Characterization of metabolic responses to healthy diets and association with blood pressure: application to the Optimal Macronutrient Intake Trial for Heart Health (OmniHeart), a randomized controlled study. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 323-334	7	31
437	A Prospective Metagenomic and Metabolomic Analysis of the Impact of Exercise and/or Whey Protein Supplementation on the Gut Microbiome of Sedentary Adults. <i>MSystems</i> , 2018 , 3,	7.6	80
436	Deep Vein Thrombosis Exhibits Characteristic Serum and Vein Wall Metabolic Phenotypes in the Inferior Vena Cava Ligation Mouse Model. <i>European Journal of Vascular and Endovascular Surgery</i> , 2018 , 55, 703-713	2.3	6
435	Rifaximin in non-alcoholic steatohepatitis: An open-label pilot study. <i>Hepatology Research</i> , 2018 , 48, 69-71	7.1	22
434	The effects of kisspeptin on β cell function, serum metabolites and appetite in humans. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 2800-2810	6.7	39
433	Metabolic phenotype of skeletal muscle in early critical illness. <i>Thorax</i> , 2018 , 73, 926-935	7.3	77
432	The effect of L-rhamnose on intestinal transit time, short chain fatty acids and appetite regulation: a pilot human study using combined CO/H breath tests. <i>Journal of Breath Research</i> , 2018 , 12, 046006	3.1	7
431	Vaginal dysbiosis increases risk of preterm fetal membrane rupture, neonatal sepsis and is exacerbated by erythromycin. <i>BMC Medicine</i> , 2018 , 16, 9	11.4	122
430	Improved physiology and metabolic flux after Roux-en-Y gastric bypass is associated with temporal changes in the circulating microRNAome: a longitudinal study in humans. <i>BMC Obesity</i> , 2018 , 5, 20	3.6	16
429	Modifying Intestinal Integrity and Microbiome in Severe Malnutrition with Gume-Based Feeds (MIMBLE 2.0): protocol for a phase II refined feed and intervention trial. <i>Wellcome Open Research</i> , 2018 , 3, 95	4.8	2
428	Profiling inflammatory markers in patients with pneumonia on intensive care. <i>Scientific Reports</i> , 2018 , 8, 14736	4.9	8
427	Inhibiting Growth of <i>Clostridioides difficile</i> by Restoring Valerate, Produced by the Intestinal Microbiota. <i>Gastroenterology</i> , 2018 , 155, 1495-1507.e15	13.3	70
426	Ultra-Performance Liquid Chromatography-High-Resolution Mass Spectrometry and Direct Infusion-High-Resolution Mass Spectrometry for Combined Exploratory and Targeted Metabolic Profiling of Human Urine. <i>Journal of Proteome Research</i> , 2018 , 17, 3492-3502	5.6	9
425	Effects of Vancomycin and Ciprofloxacin on the NMRI Mouse Metabolism. <i>Journal of Proteome Research</i> , 2018 , 17, 3565-3573	5.6	5
424	Quantitative Lipoprotein Subclass and Low Molecular Weight Metabolite Analysis in Human Serum and Plasma by ^1H NMR Spectroscopy in a Multilaboratory Trial. <i>Analytical Chemistry</i> , 2018 , 90, 11962-11971	7.8	83
423	Molecular phenomics and metagenomics of hepatic steatosis in non-diabetic obese women. <i>Nature Medicine</i> , 2018 , 24, 1070-1080	50.5	276
422	The C6H6 NMR repository: An integral solution to control the flow of your data from the magnet to the public. <i>Magnetic Resonance in Chemistry</i> , 2018 , 56, 520-528	2.1	11

4 ²¹	System-based proteomic and metabolomic analysis of the Df(16)A mouse identifies potential miR-185 targets and molecular pathway alterations. <i>Molecular Psychiatry</i> , 2017 , 22, 384-395	15.1	15
4 ²⁰	The interaction between vaginal microbiota, cervical length, and vaginal progesterone treatment for preterm birth risk. <i>Microbiome</i> , 2017 , 5, 6	16.6	180
4 ¹⁹	Objective assessment of dietary patterns by use of metabolic phenotyping: a randomised, controlled, crossover trial. <i>Lancet Diabetes and Endocrinology</i> , 2017 , 5, 184-195	18.1	143
4 ¹⁸	Metabolic Phenotyping of Diet and Dietary Intake. <i>Advances in Food and Nutrition Research</i> , 2017 , 81, 231-270	6	5
4 ¹⁷	Deep learning and 3D-DESI imaging reveal the hidden metabolic heterogeneity of cancer. <i>Chemical Science</i> , 2017 , 8, 3500-3511	9.4	83
4 ¹⁶	Integrated Analytical and Statistical Two-Dimensional Spectroscopy Strategy for Metabolite Identification: Application to Dietary Biomarkers. <i>Analytical Chemistry</i> , 2017 , 89, 3300-3309	7.8	34
4 ¹⁵	Optimization and Application of Direct Infusion Nano-electrospray HRMS Method for Large-Scale Urinary Metabolic Phenotyping in Molecular Epidemiology. <i>Journal of Proteome Research</i> , 2017 , 16, 1646-1658 ^{5,6}	5.6	31
4 ¹⁴	Application of H NMR spectroscopy to the metabolic phenotyping of rodent brain extracts: A metabolomic study of gut microbial influence on host brain metabolism. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 143, 141-146	3.5	17
4 ¹³	Longitudinal analysis of serum oxylipin profile as a novel descriptor of the inflammatory response to surgery. <i>Journal of Translational Medicine</i> , 2017 , 15, 83	8.5	10
4 ¹²	Metabolic Profiling in Patients with Pneumonia on Intensive Care. <i>EBioMedicine</i> , 2017 , 18, 244-253	8.8	13
4 ¹¹	Application of Metabolic Profiling to Abdominal Aortic Aneurysm Research. <i>Journal of Proteome Research</i> , 2017 , 16, 2325-2332	5.6	8
4 ¹⁰	The Plasma and Serum Metabotyping of Hepatocellular Carcinoma in a Nigerian and Egyptian Cohort using Proton Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Clinical and Experimental Hepatology</i> , 2017 , 7, 83-92	4.1	3
4 ⁰⁹	Metabolic phenotyping for discovery of urinary biomarkers of diet, xenobiotics and blood pressure in the INTERMAP Study: an overview. <i>Hypertension Research</i> , 2017 , 40, 336-345	4.7	12
4 ⁰⁸	Medical Swab Analysis Using Desorption Electrospray Ionization Mass Spectrometry: A Noninvasive Approach for Mucosal Diagnostics. <i>Analytical Chemistry</i> , 2017 , 89, 1540-1550	7.8	24
4 ⁰⁷	Metabolic Phenotype of Obesity in a Saudi Population. <i>Journal of Proteome Research</i> , 2017 , 16, 635-644	5.6	13
4 ⁰⁶	Urinary Metabolic Phenotyping of Women with Lower Urinary Tract Symptoms. <i>Journal of Proteome Research</i> , 2017 , 16, 4208-4216	5.6	8
4 ⁰⁵	Early intervention with <i>Bifidobacterium lactis</i> NCC2818 modulates the host-microbe interface independent of the sustained changes induced by the neonatal environment. <i>Scientific Reports</i> , 2017 , 7, 5310	4.9	7
4 ⁰⁴	Metabolomics as a tool to identify biomarkers to predict and improve outcomes in reproductive medicine: a systematic review. <i>Human Reproduction Update</i> , 2017 , 23, 723-736	15.8	65

403	A comprehensive characterisation of the metabolic profile of varicose veins; implications in elaborating plausible cellular pathways for disease pathogenesis. <i>Scientific Reports</i> , 2017 , 7, 2989	4.9	11
402	Lessons from Metabonomics on the Neurobiology of Stroke. <i>Neuroscientist</i> , 2017 , 23, 374-382	7.6	22
401	Metabolic Profiling of Central Nervous System Disease in <i>Trypanosoma brucei rhodesiense</i> Infection. <i>Journal of Infectious Diseases</i> , 2017 , 216, 1273-1280	7	3
400	Early preterm nutrition and the urinary metabolome in young adult life: follow-up of a randomised controlled trial. <i>BMJ Paediatrics Open</i> , 2017 , 1, e000192	2.4	0
399	Ethnicity and skin autofluorescence-based risk-engines for cardiovascular disease and diabetes mellitus. <i>PLoS ONE</i> , 2017 , 12, e0185175	3.7	11
398	Neonatal environment exerts a sustained influence on the development of the intestinal microbiota and metabolic phenotype. <i>ISME Journal</i> , 2016 , 10, 145-57	11.9	27
397	Role of human milk oligosaccharides in Group B Streptococcus colonisation. <i>Clinical and Translational Immunology</i> , 2016 , 5, e99	6.8	29
396	Relationship between vaginal microbial dysbiosis, inflammation, and pregnancy outcomes in cervical cerclage. <i>Science Translational Medicine</i> , 2016 , 8, 350ra102	17.5	92
395	Multivariate metabotyping of plasma predicts survival in patients with decompensated cirrhosis. <i>Journal of Hepatology</i> , 2016 , 64, 1058-1067	13.4	55
394	Comparative metabonomic analysis of hepatotoxicity induced by acetaminophen and its less toxic meta-isomer. <i>Archives of Toxicology</i> , 2016 , 90, 3073-3085	5.8	18
393	Characterisation of the vaginal microbiome in cervical intraepithelial neoplasia. <i>Lancet, The</i> , 2016 , 387, S75	40	2
392	Spatially resolved profiling of colorectal cancer lipid biochemistry via DESI imaging mass spectrometry to reveal morphology-dependent alterations in fatty acid metabolism.. <i>Journal of Clinical Oncology</i> , 2016 , 34, e15104-e15104	2.2	2
391	Handing on Health to the Next Generation 2016 , 213-264		
390	Future Visions for Clinical Metabolic Phenotyping 2016 , 369-388		
389	Hepatocellular carcinoma: Review of disease and tumor biomarkers. <i>World Journal of Hepatology</i> , 2016 , 8, 471-84	3.4	43
388	Phenotyping the Patient Journey 2016 , 49-74		1
387	Metabolic Profiling of Children Undergoing Surgery for Congenital Heart Disease. <i>Survey of Anesthesiology</i> , 2016 , 60, 70-71		
386	Bidirectional communication between the Aryl hydrocarbon Receptor (AhR) and the microbiome tunes host metabolism. <i>Npj Biofilms and Microbiomes</i> , 2016 , 2, 16014	8.2	68

385	Impact of maternal BMI and sampling strategy on the concentration of leptin, insulin, ghrelin and resistin in breast milk across a single feed: a longitudinal cohort study. <i>BMJ Open</i> , 2016 , 6, e010778	3	27
384	Metabolic Phenotypes of Carotid Atherosclerotic Plaques Relate to Stroke Risk: An Exploratory Study. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016 , 52, 5-10	2.3	24
383	Increased colonic propionate reduces anticipatory reward responses in the human striatum to high-energy foods. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 5-14	7	103
382	Urinary Metabotyping of Hepatocellular Carcinoma in a UK Cohort Using Proton Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Clinical and Experimental Hepatology</i> , 2016 , 6, 186-194	4.1	8
381	An Analytical Pipeline for Quantitative Characterization of Dietary Intake: Application To Assess Grape Intake. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 2423-31	5.7	38
380	Systemic Characterization of an Obese Phenotype in the Zucker Rat Model Defining Metabolic Axes of Energy Metabolism and Host-Microbial Interactions. <i>Journal of Proteome Research</i> , 2016 , 15, 1897-906	5.6	14
379	Optimized Sample Handling Strategy for Metabolic Profiling of Human Feces. <i>Analytical Chemistry</i> , 2016 , 88, 4661-8	7.8	97
378	Power Analysis and Sample Size Determination in Metabolic Phenotyping. <i>Analytical Chemistry</i> , 2016 , 88, 5179-88	7.8	70
377	Automatic Spectroscopic Data Categorization by Clustering Analysis (ASCLAN): A Data-Driven Approach for Distinguishing Discriminatory Metabolites for Phenotypic Subclasses. <i>Analytical Chemistry</i> , 2016 , 88, 5670-9	7.8	5
376	New technologies - new insights into the pathogenesis of hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2016 , 31, 1259-1267	3.9	7
375	Topological analysis of metabolic networks integrating co-segregating transcriptomes and metabolomes in type 2 diabetic rat congenic series. <i>Genome Medicine</i> , 2016 , 8, 101	14.4	14
374	Prolonged Mechanical Circumferential Stretch Induces Metabolic Changes in Rat Inferior Vena Cava. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016 , 52, 544-552	2.3	6
373	Development and Application of Ultra-Performance Liquid Chromatography-TOF MS for Precision Large Scale Urinary Metabolic Phenotyping. <i>Analytical Chemistry</i> , 2016 , 88, 9004-13	7.8	71
372	Development of a Pipeline for Exploratory Metabolic Profiling of Infant Urine. <i>Journal of Proteome Research</i> , 2016 , 15, 3432-40	5.6	7
371	Dominant components of the Thoroughbred metabolome characterised by (1) H-nuclear magnetic resonance spectroscopy: A metabolite atlas of common biofluids. <i>Equine Veterinary Journal</i> , 2015 , 47, 721-30	2.4	24
370	Perturbations in fatty acid metabolism and apoptosis are manifested in calcific coronary artery disease: An exploratory lipidomic study. <i>International Journal of Cardiology</i> , 2015 , 197, 192-9	3.2	25
369	Identification of a novel human circulating metabolite of tenofovir disoproxil fumarate with LC-MS/MS. <i>Bioanalysis</i> , 2015 , 7, 643-52	2.1	5
368	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. <i>EBioMedicine</i> , 2015 , 2, 968-84	8.8	198

367	The promise of metabolic phenotyping in gastroenterology and hepatology. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2015 , 12, 458-71	24.2	48
366	The cellular toxicology of mitragynine, the dominant alkaloid of the narcotic-like herb, <i>Mitragyna speciosa</i> Korth. <i>Toxicology Research</i> , 2015 , 4, 1173-1183	2.6	4
365	Urinary metabolic signatures of human adiposity. <i>Science Translational Medicine</i> , 2015 , 7, 285ra62	17.5	141
364	Multipatform characterization of dynamic changes in breast milk during lactation. <i>Electrophoresis</i> , 2015 , 36, 2269-2285	3.6	69
363	The vaginal microbiome during pregnancy and the postpartum period in a European population. <i>Scientific Reports</i> , 2015 , 5, 8988	4.9	288
362	Proteomic and metabonomic biomarkers for hepatocellular carcinoma: a comprehensive review. <i>British Journal of Cancer</i> , 2015 , 112, 1141-56	8.7	86
361	2-Furoylglycine as a Candidate Biomarker of Coffee Consumption. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 8615-21	5.7	45
360	Development and Validation of a High-Throughput Ultrahigh-Performance Liquid Chromatography-Mass Spectrometry Approach for Screening of Oxylipins and Their Precursors. <i>Analytical Chemistry</i> , 2015 , 87, 11721-31	7.8	38
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