

# Michal Ciborowski

## List of Publications by Year in descending order

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87  
papers

1,636  
citations

257450  
24  
h-index

361022  
35  
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89  
all docs

89  
docs citations

89  
times ranked

3069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid and Reliable Identification of Phospholipids for Untargeted Metabolomics with LC-ESI-QTOF-MS/MS. <i>Journal of Proteome Research</i> , 2015, 14, 3204-3216.	3.7	95
2	Applications of Metabolomics in Cancer Studies. <i>Advances in Experimental Medicine and Biology</i> , 2017, 965, 209-234.	1.6	69
3	From numbers to a biological sense: How the strategy chosen for metabolomics data treatment may affect final results. A practical example based on urine fingerprints obtained by LC-MS. <i>Electrophoresis</i> , 2013, 34, 2812-2826.	2.4	65
4	Metabolomics with LC-QTOF-MS Permits the Prediction of Disease Stage in Aortic Abdominal Aneurysm Based on Plasma Metabolic Fingerprint. <i>PLoS ONE</i> , 2012, 7, e31982.	2.5	61
5	Untargeted Metabolomics and Inflammatory Markers Profiling in Children With Crohn's Disease and Ulcerative Colitis A Preliminary Study. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 1120-1128.	1.9	59
6	Metabolomic Approach with LC-QTOF to Study the Effect of a Nutraceutical Treatment on Urine of Diabetic Rats. <i>Journal of Proteome Research</i> , 2011, 10, 837-844.	3.7	53
7	Combination of LC-MS- and GC-MS-based Metabolomics to Study the Effect of Ozonated Autohemotherapy on Human Blood. <i>Journal of Proteome Research</i> , 2012, 11, 6231-6241.	3.7	50
8	Application of Metabolomics to Study Effects of Bariatric Surgery. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-13.	2.3	45
9	The rs340874 PROX1 type 2 diabetes mellitus risk variant is associated with visceral fat accumulation and alterations in postprandial glucose and lipid metabolism. <i>Genes and Nutrition</i> , 2015, 10, 4.	2.5	39
10	Proteomics biomarkers for non-small cell lung cancer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 101, 40-49.	2.8	38
11	Select Polyphenol-Rich Berry Consumption to Defer or Deter Diabetes and Diabetes-Related Complications. <i>Nutrients</i> , 2020, 12, 2538.	4.1	38
12	Mass spectrometry based proteomics and metabolomics in personalized oncology. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165690.	3.8	38
13	Metabolomic Approach with LC-MS Reveals Significant Effect of Pressure on Diver's Plasma. <i>Journal of Proteome Research</i> , 2010, 9, 4131-4137.	3.7	37
14	A Single In-Vial Dual Extraction Strategy for the Simultaneous Lipidomics and Proteomics Analysis of HDL and LDL Fractions. <i>Journal of Proteome Research</i> , 2016, 15, 1762-1775.	3.7	35
15	Applications of Metabolomics in Forensic Toxicology and Forensic Medicine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3010.	4.1	35
16	Altered Metabolome of Lipids and Amino Acids Species: A Source of Early Signature Biomarkers of T2DM. <i>Journal of Clinical Medicine</i> , 2020, 9, 2257.	2.4	32
17	Metabolites Secreted by Human Atherothrombotic Aneurysms Revealed through a Metabolomic Approach. <i>Journal of Proteome Research</i> , 2011, 10, 1374-1382.	3.7	31
18	Potential first trimester metabolomic biomarkers of abnormal birth weight in healthy pregnancies. <i>Prenatal Diagnosis</i> , 2014, 34, 870-877.	2.3	31

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19	An exploratory LC-MS-based metabolomics study reveals differences in aqueous humor composition between diabetic and non-diabetic patients with cataract. <i>Electrophoresis</i> , 2018, 39, 1233-1240.	2.4	31
20	Metabolomic profiling in children with inflammatory bowel disease. <i>Advances in Medical Sciences</i> , 2020, 65, 65-70.	2.1	31
21	Metabolomics – A wide-open door to personalized treatment in chronic heart failure?. <i>International Journal of Cardiology</i> , 2016, 219, 156-163.	1.7	28
22	In-vial dual extraction liquid chromatography coupled to mass spectrometry applied to streptozotocin-treated diabetic rats. Tips and pitfalls of the method. <i>Journal of Chromatography A</i> , 2013, 1304, 52-60.	3.7	27
23	LC-MS-based serum fingerprinting reveals significant dysregulation of phospholipids in chronic heart failure. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 154, 354-363.	2.8	26
24	“Gear mechanism” of bariatric interventions revealed by untargeted metabolomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 219-226.	2.8	25
25	Prenatal circulating microRNA signatures of foetal Down syndrome. <i>Scientific Reports</i> , 2019, 9, 2394.	3.3	24
26	FI-chemiluminometric study of thiazides by on-line photochemical reaction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 693-700.	2.8	23
27	CE-MS-based serum fingerprinting to track evolution of type 2 diabetes mellitus. <i>Electrophoresis</i> , 2015, 36, 2286-2293.	2.4	23
28	Evaluation of Bisphenol A influence on endocannabinoid system in pregnant women. <i>Chemosphere</i> , 2018, 203, 387-392.	8.2	23
29	The MC4R genetic variants are associated with lower visceral fat accumulation and higher postprandial relative increase in carbohydrate utilization in humans. <i>European Journal of Nutrition</i> , 2019, 58, 2929-2941.	3.9	22
30	LC-MS-Based Metabolic Fingerprinting of Aqueous Humor. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-13.	1.6	21
31	Systematic biobanking, novel imaging techniques, and advanced molecular analysis for precise tumor diagnosis and therapy: The Polish MOBIT project. <i>Advances in Medical Sciences</i> , 2017, 62, 405-413.	2.1	18
32	In-and-Out Molecular Changes Linked to the Type 2 Diabetes Remission after Bariatric Surgery: An Influence of Gut Microbes on Mitochondria Metabolism. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3744.	4.1	18
33	Analysis of pharmaceuticals and small molecules in aqueous humor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 23-36.	2.8	18
34	To treat or not to treat: metabolomics reveals biomarkers for treatment indication in chronic lymphocytic leukaemia patients. <i>Oncotarget</i> , 2016, 7, 22324-22338.	1.8	17
35	Vasopressin acts on platelets to generate procoagulant activity. <i>Blood Coagulation and Fibrinolysis</i> , 2008, 19, 615-624.	1.0	16
36	Characterization and annotation of oxidized glycerophosphocholines for non-targeted metabolomics with LC-QTOF-MS data. <i>Analytica Chimica Acta</i> , 2018, 1037, 358-368.	5.4	16

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37	Identification of protein changes in the blood plasma of lung cancer patients subjected to chemotherapy using a 2D-DIGE approach. PLoS ONE, 2019, 14, e0223840.	2.5	16
38	Oxidized glycerophosphatidylcholines in diabetes through non-targeted metabolomics: Their annotation and biological meaning. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1120, 62-70.	2.3	16
39	The role of gut microbiota (GM) and GM-related metabolites in diabetes and obesity. A review of analytical methods used to measure GM-related metabolites in fecal samples with a focus on metabolitesâ€™ derivatization step. Journal of Pharmaceutical and Biomedical Analysis, 2020, 191, 113617.	2.8	16
40	The Type 2 Diabetes Susceptibility PROX1 Gene Variants Are Associated with Postprandial Plasma Metabolites Profile in Non-Diabetic Men. Nutrients, 2019, 11, 882.	4.1	15
41	Omics in Myopia. Journal of Clinical Medicine, 2020, 9, 3464.	2.4	15
42	Differences and similarities between LC-MS derived serum fingerprints of patients with B-cell malignancies. Electrophoresis, 2013, 34, 2857-2664.	2.4	14
43	Untargeted metabolomics: an overview of its usefulness and future potential in prenatal diagnosis. Expert Review of Proteomics, 2018, 15, 809-816.	3.0	14
44	The Ability of Metabolomics to Discriminate Non-Small-Cell Lung Cancer Subtypes Depends on the Stage of the Disease and the Type of Material Studied. Cancers, 2021, 13, 3314.	3.7	14
45	Differences and similarities between LC-MS derived serum fingerprints of patients with B-cell malignancies. Electrophoresis, 2013, 34, 2857-64.	2.4	14
46	Evaluation of hemostatic balance in blood from patients with polycythemia vera by means of thromboelastography: The effect of isovolemic erythrocytapheresis. Platelets, 2012, 23, 455-462.	2.3	13
47	Genomics and Metabolomics in Obesity and Type 2 Diabetes. Journal of Diabetes Research, 2016, 2016, 1-2.	2.3	13
48	The type 2 diabetes susceptibility TCF7L2 gene variants affect postprandial glucose and fat utilization in non-diabetic subjects. Diabetes and Metabolism, 2018, 44, 379-382.	2.9	13
49	Gut Microbiome in Chronic Coronary Syndrome Patients. Journal of Clinical Medicine, 2021, 10, 5074.	2.4	13
50	Metabolomics Reveal Altered Postprandial Lipid Metabolism After a High-Carbohydrate Meal in Men at High Genetic Risk of Diabetes. Journal of Nutrition, 2019, 149, 915-922.	2.9	12
51	Development of LC-QTOF-MS method for human lung tissue fingerprinting. A preliminary application to nonsmall cell lung cancer. Electrophoresis, 2017, 38, 2304-2312.	2.4	11
52	Serum Metabolic Fingerprinting Identified Putatively Annotated Sphinganine Isomer as a Biomarker of Wolfram Syndrome. Journal of Proteome Research, 2017, 16, 4000-4008.	3.7	11
53	The involvement of Na <sup>+</sup> /K <sup>+</sup> -ATPase in the development of platelet procoagulant response.. Acta Biochimica Polonica, 2007, 54, 625-639.	0.5	11
54	Proteomics and metabolomics approach in adult and pediatric glioma diagnostics. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188721.	7.4	11

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55	Hippocampal Sectorâ€“Specific Metabolic Profiles Reflect Endogenous Strategy for Ischemia-Reperfusion Insult Resistance. <i>Molecular Neurobiology</i> , 2021, 58, 1621-1633.	4.0	10
56	Machine-learning facilitates selection of a novel diagnostic panel of metabolites for the detection of heart failure. <i>Scientific Reports</i> , 2020, 10, 130.	3.3	9
57	Metabolomics Reveals Differences in Aqueous Humor Composition in Patients With and Without Pseudoexfoliation Syndrome. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 682600.	3.5	9
58	The role of Na <sup>+</sup> /H <sup>+</sup> exchanger in serotonin secretion from porcine blood platelets.. <i>Acta Biochimica Polonica</i> , 2005, 52, 811-822.	0.5	9
59	Gas Chromatographyâ€“Mass Spectroscopy-Based Metabolomics Analysis Reveals Potential Biochemical Markers for Diagnosis of Gestational Diabetes Mellitus. <i>Frontiers in Pharmacology</i> , 2021, 12, 770240.	3.5	9
60	Metabolic fingerprinting of carp and rainbow trout seminal plasma. <i>Aquaculture</i> , 2019, 501, 178-190.	3.5	8
61	First-trimester irisin and fetuin-A concentration in predicting macrosomia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 2868-2873.	1.5	7
62	A Comparative and Comprehensive Characterization of Polyphenols of Selected Fruits from the Rosaceae Family. <i>Metabolites</i> , 2022, 12, 271.	2.9	7
63	Mass spectrometry-based determination of lipids and small molecules composing adipose tissue with a focus on brown adipose tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 191, 113623.	2.8	6
64	Peroxynitrite can affect platelet responses by inhibiting energy production. <i>Acta Biochimica Polonica</i> , 2006, 53, 769-76.	0.5	6
65	The in-vitro effect of tirofiban, glycoprotein IIb/IIIa antagonist, on various responses of porcine blood platelets. <i>Blood Coagulation and Fibrinolysis</i> , 2008, 19, 557-567.	1.0	5
66	Atorvastatin impairs liver mitochondrial function in obese GÅtttingen Minipigs but heart and skeletal muscle are not affected. <i>Scientific Reports</i> , 2021, 11, 2167.	3.3	5
67	A Preliminary Study Showing the Impact of Genetic and Dietary Factors on GCâ€“MS-Based Plasma Metabolome of Patients with and without PROX1-Genetic Predisposition to T2DM up to 5 Years Prior to Prediabetes Appearance. <i>Current Issues in Molecular Biology</i> , 2021, 43, 513-528.	2.4	5
68	Assessment of Ceragenins in Prevention of Damage to Voice Prostheses Caused by Candida Biofilm Formation. <i>Pathogens</i> , 2021, 10, 1371.	2.8	5
69	The in vitro effect of eptifibatide, a glycoprotein IIb/IIIa antagonist, on various responses of porcine blood platelets. <i>Acta Poloniae Pharmaceutica</i> , 2009, 66, 235-42.	0.1	5
70	Serum metabolic fingerprinting after exposure of rats to quinolinic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 175-182.	2.8	4
71	<i>Letter to the Editor:</i> Metabolomics of Aqueous Humor in Diabetes Mellitus. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2020, 36, 580-581.	1.4	4
72	Application of two-dimensional difference gel electrophoresis to identify protein changes between center, margin, and adjacent non-tumor tissues obtained from non-small-cell lung cancer with adenocarcinoma or squamous cell carcinoma subtype. <i>PLoS ONE</i> , 2022, 17, e0268073.	2.5	4

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73	Maternal plasma metabolic fingerprint indicative for fetal Down syndrome. <i>Prenatal Diagnosis</i> , 2018, 38, 876-882.	2.3	3
74	The role of Na <sup>+</sup> /H <sup>+</sup> exchanger in serotonin secretion from porcine blood platelets. <i>Acta Biochimica Polonica</i> , 2005, 52, 811-22.	0.5	3
75	Multi-Timepoint Metabolic Fingerprinting of a Post-Episode Period of Hypoglycemia and Ketoacidosis Among Children With Type 1 Diabetes. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	3.5	3
76	Metabolites Secreted by Human Atherothrombotic Aneurysm. <i>Methods in Molecular Biology</i> , 2013, 1000, 103-113.	0.9	2
77	Amniotic fluid metabolic fingerprinting indicated metabolites which may play a role in the pathogenesis of foetal Down syndrome – a preliminary report. <i>Ginekologia Polska</i> , 2021, 92, 188-194.	0.7	2
78	The involvement of Na <sup>+</sup> /K <sup>+</sup> (+)-ATPase in the development of platelet procoagulant response. <i>Acta Biochimica Polonica</i> , 2007, 54, 625-39.	0.5	2
79	PET/MRI-Evaluated Activation of Brown Adipose Tissue via Cold Exposure Impacts Lipid Metabolism. <i>Metabolites</i> , 2022, 12, 456.	2.9	2
80	Comment on “Intraocular fluid biomarkers (liquid biopsy) in human diabetic retinopathy” Graefes Arch Clin Exp Ophthalmol. 2021 Jul 3. doi: 10.1007/s00417-021-05285-y. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, , 1.	1.9	1
81	Elevated level of lysophosphatidic acid among patients with HNF1B mutations and its role in RCAD syndrome: a multiomic study. <i>Metabolomics</i> , 2022, 18, 15.	3.0	1
82	Biomarkers of Abnormal Birth Weight in Pregnancy. , 2017, , 503-516.		0
83	Can we perform subtyping of non-small cell lung cancer patients by use of lung tissue metabolic fingerprinting?. <i>Annals of Oncology</i> , 2017, 28, ii11.	1.2	0
84	Machine learning facilitates selecting a group of metabolites non-inferior to BNP for the diagnosis of chronic heart failure. <i>European Heart Journal</i> , 2018, 39, .	2.2	0
85	Reply to Letter to the Editor of Dr. Sitkin et al., Regarding “Altered Sphingolipid Metabolism and its Interaction With the Intestinal Microbiome is Another Key to the Pathogenesis of Inflammatory Bowel Disease” <i>Inflammatory Bowel Diseases</i> , 2019, 25, e159-e159.	1.9	0
86	Translational Research in Obesity and Type 2 Diabetes. , 2014, , 353-375.		0
87	To Treat or Not to Treat: Metabolomics Reveals Biomarkers for Treatment Indication in Chronic Lymphocytic Leukaemia Patients. <i>Blood</i> , 2015, 126, 5286-5286.	1.4	0