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The use of mass spectrometry for analysing metabolite biomarkers in epidemiology: methodological and statistical considerations for application to large numbers of biological samples

DOI: 10.1007/s10654-016-0166-2

European Journal of Epidemiology, 2016, 31, 717-33.

Source: <https://exaly.com/paper-pdf/65134672/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
23	Metabolic profiling-multitude of technologies with great research potential, but (when) will translation emerge?. <i>International Journal of Epidemiology</i> , 2016 , 45, 1311-1318	7.8	19
22	The role of metabolomics in determination of new dietary biomarkers. <i>Proceedings of the Nutrition Society</i> , 2017 , 76, 295-302	2.9	31
21	Quantitative Serum Nuclear Magnetic Resonance Metabolomics in Large-Scale Epidemiology: A Primer on -Omic Technologies. <i>American Journal of Epidemiology</i> , 2017 , 186, 1084-1096	3.8	189
20	The Rotterdam Study: 2018 update on objectives, design and main results. <i>European Journal of Epidemiology</i> , 2017 , 32, 807-850	12.1	296
19	Metabolomics in gestational diabetes. <i>Clinica Chimica Acta</i> , 2017 , 475, 116-127	6.2	30
18	Biomarkers of food intake and nutrient status are associated with glucose tolerance status and development of type 2 diabetes in older Swedish women. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 1302-1310	7	31
17	Recommendations for Improving Identification and Quantification in Non-Targeted, GC-MS-Based Metabolomic Profiling of Human Plasma. <i>Metabolites</i> , 2017 , 7,	5.6	10
16	Analytical challenges of untargeted GC-MS-based metabolomics and the critical issues in selecting the data processing strategy. <i>F1000Research</i> , 2017 , 6, 967	3.6	15
15	Metabolomics in Cardiovascular Research. 2018 , 331-339		
14	A Framework for Development of Useful Metabolomic Biomarkers and Their Effective Knowledge Translation. <i>Metabolites</i> , 2018 , 8,	5.6	17
13	Metabolomics Data Preprocessing: From Raw Data to Features for Statistical Analysis. <i>Comprehensive Analytical Chemistry</i> , 2018 , 197-225	1.9	3
12	Improving metabolome coverage and data quality: advancing metabolomics and lipidomics for biomarker discovery. <i>Chemical Communications</i> , 2018 , 54, 6728-6749	5.8	27
11	Metabolomics: a promising diagnostic and therapeutic implement for breast cancer. <i>OncoTargets and Therapy</i> , 2019 , 12, 6797-6811	4.4	18
10	Metabolomics in the study of retinal health and disease. <i>Progress in Retinal and Eye Research</i> , 2019 , 69, 57-79	20.5	48
9	A rapid GC method coupled with quadrupole or time of flight mass spectrometry for metabolomics analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1160, 122355	3.2	3
8	Lipid Metabolite Biomarkers in Cardiovascular Disease: Discovery and Biomechanism Translation from Human Studies. <i>Metabolites</i> , 2021 , 11,	5.6	6
7	Biomarkers for predicting type 2 diabetes development-Can metabolomics improve on existing biomarkers?. <i>PLoS ONE</i> , 2017 , 12, e0177738	3.7	24

6	Explaining ethnic disparities in lung function among young adults: A pilot investigation. <i>PLoS ONE</i> , 2017 , 12, e0178962	3-7	9
5	Integrative metabolomics as emerging tool to study autophagy regulation. <i>Microbial Cell</i> , 2017 , 4, 240-258	5-8	9
4	OBSOLETE: Metabolomics in Cardiovascular Research. 2018 ,		
3	The Use of Metabolomic Tool in Assessing Environmental Exposure. 2021 , 1, 10-31		
2	Current possibilities of predicting the development of pre-diabetes and type 2 diabetes mellitus. <i>HERALD of North-Western State Medical University Named After I I Mechnikov</i> , 2021 , 13, 31-42	0.2	0
1	Mass spectrometry-based "omics" technologies for the study of gestational diabetes and the discovery of new biomarkers.. <i>Mass Spectrometry Reviews</i> , 2022 ,	11	2