

# Mathias J Gerl

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

3,932  
citations

279701

23  
h-index

345118

36  
g-index

44  
all docs

44  
docs citations

44  
times ranked

6606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipidomic risk scores are independent of polygenic risk scores and can predict incidence of diabetes and cardiovascular disease in a large population cohort. <i>PLoS Biology</i> , 2022, 20, e3001561.	2.6	22
2	A set of gene knockouts as a resource for global lipidomic changes. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
3	Adverse Effects of Refeeding on the Plasma Lipidome in Young Individuals With Anorexia Nervosa?. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 1479-1490.	0.3	11
4	A plasma lipid signature predicts incident coronary artery disease. <i>International Journal of Cardiology</i> , 2021, 331, 249-254.	0.8	30
5	Replication and cross-validation of type 2 diabetes subtypes based on clinical variables: an IMI-RHAPSODY study. <i>Diabetologia</i> , 2021, 64, 1982-1989.	2.9	44
6	Multi-omics profiling of living human pancreatic islet donors reveals heterogeneous beta cell trajectories towards type 2 diabetes. <i>Nature Metabolism</i> , 2021, 3, 1017-1031.	5.1	76
7	Distinct Molecular Signatures of Clinical Clusters in People With Type 2 Diabetes: An IMI-RHAPSODY Study. <i>Diabetes</i> , 2021, 70, 2683-2693.	0.3	26
8	Shotgun mass spectrometry-based lipid profiling identifies and distinguishes between chronic inflammatory diseases. <i>EBioMedicine</i> , 2021, 70, 103504.	2.7	16
9	Mouse lipidomics reveals inherent flexibility of a mammalian lipidome. <i>Scientific Reports</i> , 2021, 11, 19364.	1.6	31
10	Proteomic and lipidomic profiling of demyelinating lesions identifies fatty acids as modulators in lesion recovery. <i>Cell Reports</i> , 2021, 37, 109898.	2.9	11
11	Proteomic and Metabolomic Characterization of Metabolically Healthy Obesity: A Descriptive Study from a Swedish Cohort. <i>Journal of Obesity</i> , 2021, 2021, 1-9.	1.1	3
12	Shotgun Lipidomics Discovered Diurnal Regulation of Lipid Metabolism Linked to Insulin Sensitivity in Nondiabetic Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 1501-1514.	1.8	17
13	Plasma Lipidome and Prediction of Type 2 Diabetes in the Population-Based Malmö Diet and Cancer Cohort. <i>Diabetes Care</i> , 2020, 43, 366-373.	4.3	35
14	Plasma lipidomics of monozygotic twins discordant for multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 2461-2466.	1.7	11
15	Coronary Artery Disease Risk and Lipidomic Profiles Are Similar in Hyperlipidemias With Family History and Population-Ascertained Hyperlipidemias. <i>Journal of the American Heart Association</i> , 2019, 8, e012415.	1.6	24
16	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. <i>PLoS Biology</i> , 2019, 17, e3000443.	2.6	51
17	Genetic architecture of human plasma lipidome and its link to cardiovascular disease. <i>Nature Communications</i> , 2019, 10, 4329.	5.8	120
18	CerS6-Derived Sphingolipids Interact with Mff and Promote Mitochondrial Fragmentation in Obesity. <i>Cell</i> , 2019, 177, 1536-1552.e23.	13.5	183

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19	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0
20	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0
21	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0
22	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0
23	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0
24	Cholesterol is Inefficiently Converted to Cholesteryl Esters in the Blood of Cardiovascular Disease Patients. Scientific Reports, 2018, 8, 14764.	1.6	44
25	Lipidomics in Major Depressive Disorder. Frontiers in Psychiatry, 2018, 9, 459.	1.3	44
26	Large-scale human skin lipidomics by quantitative, high-throughput shotgun mass spectrometry. Scientific Reports, 2017, 7, 43761.	1.6	53
27	Enlightening discriminative network functional modules behind Principal Component Analysis separation in differential-omic science studies. Scientific Reports, 2017, 7, 43946.	1.6	45
28	Identification of a feedback loop involving $\beta$ -glucosidase 2 and its product sphingosine sheds light on the molecular mechanisms in Gaucher disease. Journal of Biological Chemistry, 2017, 292, 6177-6189.	1.6	22
29	Bifunctional Sphingosine for Cell-Based Analysis of Protein-Sphingolipid Interactions. ACS Chemical Biology, 2016, 11, 222-230.	1.6	99
30	Sphingosine-1-Phosphate Lyase Deficient Cells as a Tool to Study Protein Lipid Interactions. PLoS ONE, 2016, 11, e0153009.	1.1	38
31	Morphology and Molecular Composition of Purified Bovine Viral Diarrhea Virus Envelope. PLoS Pathogens, 2016, 12, e1005476.	2.1	50
32	Analysis of Transmembrane Domains and Lipid Modified Peptides with Matrix-Assisted Laser Desorption Ionization-Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2014, 86, 3722-3726.	3.2	7
33	Comparative lipidomics analysis of HIV-1 particles and their producer cell membrane in different cell lines. Cellular Microbiology, 2013, 15, 292-304.	1.1	157
34	Trans-Golgi Cisternal Assembly and Biosynthetic Activation Occur Sequentially in Plants and Algae. Traffic, 2013, 14, 551-567.	1.3	75
35	Quantitative analysis of the lipidomes of the influenza virus envelope and MDCK cell apical membrane. Journal of Cell Biology, 2012, 196, 213-221.	2.3	242
36	Flexibility of a Eukaryotic Lipidome – Insights from Yeast Lipidomics. PLoS ONE, 2012, 7, e35063.	1.1	274

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37	Membrane lipidome of an epithelial cell line. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1903-1907.	3.3	432
38	Revitalizing membrane rafts: new tools and insights. Nature Reviews Molecular Cell Biology, 2010, 11, 688-699.	16.1	1,110
39	Segregation of sphingolipids and sterols during formation of secretory vesicles at the trans-Golgi network. Journal of Cell Biology, 2009, 185, 601-612.	2.3	369
40	Generation of Cubic Membranes by Controlled Homotypic Interaction of Membrane Proteins in the Endoplasmic Reticulum. Journal of Biological Chemistry, 2009, 284, 12041-12048.	1.6	36
41	Rab10 is Involved in Basolateral Transport in Polarized Madin-Darby Canine Kidney Cells. Traffic, 2007, 8, 47-60.	1.3	116