

# Giorgis Isaac

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10175634/publications.pdf>

Version: 2024-02-01

34  
papers

2,438  
citations

257450

24  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

4224  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feature-based molecular networking in the GNPS analysis environment. <i>Nature Methods</i> , 2020, 17, 905-908.	19.0	650
2	Dengue Virus Infection Perturbs Lipid Homeostasis in Infected Mosquito Cells. <i>PLoS Pathogens</i> , 2012, 8, e1002584.	4.7	290
3	Untargeted UPLC-MS Profiling Pipeline to Expand Tissue Metabolome Coverage: Application to Cardiovascular Disease. <i>Analytical Chemistry</i> , 2015, 87, 4184-4193.	6.5	161
4	AtPLAI Is an Acyl Hydrolase Involved in Basal Jasmonic Acid Production and Arabidopsis Resistance to Botrytis cinerea. <i>Journal of Biological Chemistry</i> , 2007, 282, 18116-18128.	3.4	123
5	Tocopherols Modulate Extraplastidic Polyunsaturated Fatty Acid Metabolism in Arabidopsis at Low Temperature. <i>Plant Cell</i> , 2008, 20, 452-470.	6.6	115
6	Enhanced lipid isomer separation in human plasma using reversed-phase UPLC with ion-mobility/high-resolution MS detection. <i>Journal of Lipid Research</i> , 2014, 55, 1772-1783.	4.2	105
7	ABCA12 Maintains the Epidermal Lipid Permeability Barrier by Facilitating Formation of Ceramide Linoleic Esters. <i>Journal of Biological Chemistry</i> , 2008, 283, 36624-36635.	3.4	89
8	A reversed-phase capillary ultra-performance liquid chromatography-mass spectrometry (UPLC-MS) method for comprehensive top-down/bottom-up lipid profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2923-2933.	3.7	86
9	The Identification of Mono-, Di-, Tri-, and Tetragalactosyl-diacylglycerols and their Natural Estolides in Oat Kernels. <i>Lipids</i> , 2008, 43, 533-548.	1.7	67
10	Metabolic Phenotyping of Atherosclerotic Plaques Reveals Latent Associations between Free Cholesterol and Ceramide Metabolism in Atherogenesis. <i>Journal of Proteome Research</i> , 2015, 14, 1389-1399.	3.7	65
11	Analysis of phosphatidylcholine and sphingomyelin molecular species from brain extracts using capillary liquid chromatography electrospray ionization mass spectrometry. <i>Journal of Neuroscience Methods</i> , 2003, 128, 111-119.	2.5	61
12	Ion mobility spectrometry combined with ultra performance liquid chromatography/mass spectrometry for metabolic phenotyping of urine: Effects of column length, gradient duration and ion mobility spectrometry on metabolite detection. <i>Analytica Chimica Acta</i> , 2017, 982, 1-8.	5.4	53
13	Sulfatide with short fatty acid dominates in astrocytes and neurons. <i>FEBS Journal</i> , 2006, 273, 1782-1790.	4.7	44
14	Metabolic Profiling of Different Parts of Acer truncatum from the Mongolian Plateau Using UPLC-QTOF-MS with Comparative Bioactivity Assays. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1585-1597.	5.2	43
15	Ultra high resolution SFC-MS as a high throughput platform for metabolic phenotyping: Application to metabolic profiling of rat and dog bile. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 966, 200-207.	2.3	41
16	Steryl Glucoside and Acyl Steryl Glucoside Analysis of Arabidopsis Seeds by Electrospray Ionization Tandem Mass Spectrometry. <i>Lipids</i> , 2012, 47, 185-193.	1.7	39
17	Supercritical fluid chromatography coupled to mass spectrometry - A metabolomics perspective. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 499-505.	2.3	37
18	Lipid Profiling Reveals Tissue-Specific Differences for Ethanamide Lipids in Mice Lacking Fatty Acid Amide Hydrolase. <i>Lipids</i> , 2010, 45, 863-875.	1.7	34

#	ARTICLE	IF	CITATIONS
19	Investigating sub-2 $\mu$ m particle stationary phase supercritical fluid chromatography coupled to mass spectrometry for chemical profiling of chamomile extracts. <i>Analytica Chimica Acta</i> , 2014, 847, 61-72.	5.4	31
20	Pressurised fluid extraction (PFE) as an alternative general method for the determination of pesticide residues in rape seed. <i>Analyst, The</i> , 2002, 127, 554-559.	3.5	29
21	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, 192-199.	1.7	29
22	Subcellular localization and dynamics of a digalactolipid-like epitope in <i>Toxoplasma gondii</i> . <i>Journal of Lipid Research</i> , 2008, 49, 746-762.	4.2	27
23	Metabolic profiling of the traditional Chinese medicine formulation Yu Ping Feng San for the identification of constituents relevant for effects on expression of TNF- $\alpha$ , IFN- $\beta$ , IL-1 $\beta$ and IL-4 in U937 cells. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 219-229.	2.8	27
24	Lipidomic analysis of N-acylphosphatidylethanolamine molecular species in <i>Arabidopsis</i> suggests feedback regulation by N-acylethanolamines. <i>Planta</i> , 2012, 236, 809-824.	3.2	26
25	Application of Predicted Collisional Cross Section to Metabolome Databases to Probabilistically Describe the Current and Future Ion Mobility Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 661-669.	2.8	23
26	Comparative Metabolomic and Lipidomic Analysis of Phenotype Stratified Prostate Cells. <i>PLoS ONE</i> , 2015, 10, e0134206.	2.5	22
27	Rapid profiling method for the analysis of lipids in human plasma using ion mobility enabled-reversed phase-ultra high performance liquid chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1611, 460597.	3.7	21
28	Novel Interconnections in Lipid Metabolism Revealed by Overexpression of Sphingomyelin Synthase-1. <i>Journal of Biological Chemistry</i> , 2017, 292, 5110-5122.	3.4	17
29	Total Lipid Extraction of Homogenized and Intact Lean Fish Muscles Using Pressurized Fluid Extraction and Batch Extraction Techniques. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 5506-5512.	5.2	14
30	Development and application of sub-2 $\mu$ m particle CO <sub>2</sub> -based chromatography coupled to mass spectrometry for comprehensive analysis of lipids in cottonseed extracts. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 591-605.	1.5	13
31	Metabolic Profiling of Hoodia, Chamomile, Terminalia Species and Evaluation of Commercial Preparations Using Ultrahigh-Performance Liquid Chromatography Quadrupole-Time-of-Flight Mass Spectrometry. <i>Planta Medica</i> , 2017, 83, 1297-1308.	1.3	10
32	Chemical profiling and characterization of phenolic acids, flavonoids, terpene glycosides from <i>Vangueria agrestis</i> using ultra-high performance liquid chromatography/ion mobility quadrupole time-of-flight mass spectrometry and metabolomics approach. <i>Biomedical Chromatography</i> , 2020, 34, e4840.	1.7	8
33	Brain lipid composition in postnatal iron-induced motor behavior alterations following chronic neuroleptic administration in mice. <i>FEBS Journal</i> , 2006, 273, 2232-2243.	4.7	7
34	Application of hybrid surface technology for improving sensitivity and peak shape of phosphorylated lipids such as phosphatidic acid and phosphatidylserine. <i>Journal of Chromatography A</i> , 2022, 1669, 462921.	3.7	7