Martin TrÃ¶tzmÃ¼ller

List of Publications by Year
in descending order

34 papers	3,082 citations	304743 22 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	7452 citing authors

#	Article	IF	Citations
1	Î±-Linolenic acid and product octadecanoids in Styrian pumpkin seeds and oils: How processing impacts lipidomes of fatty acid, triacylglycerol and oxylipin molecular structures. Food Chemistry, 2022, 371, 131194.	8.2	10
2	Changes in the Cerebrospinal Fluid and Plasma Lipidome in Patients with Rett Syndrome. Metabolites, 2022, 12, 291.	2.9	14
3	Human Milk Oligosaccharides Are Present in Amniotic Fluid and Show Specific Patterns Dependent on Gestational Age. Nutrients, 2022, 14, 2065.	4.1	6
4	Sex Dimorphism of Nonalcoholic Fatty Liver Disease (NAFLD) in Pparg-Null Mice. International Journal of Molecular Sciences, 2021, 22, 9969.	4.1	12
5	Global Lipidomics Profiling by a High Resolution LC-MS Platform. Methods in Molecular Biology, 2021, 2306, 39-51.	0.9	2
6	The DALI vitamin D randomized controlled trial for gestational diabetes mellitus prevention: No major benefit shown besides vitamin D sufficiency. Clinical Nutrition, 2020, 39, 976-984.	5.0	42
7	Lipidomics from sample preparation to data analysis: a primer. Analytical and Bioanalytical Chemistry, 2020, 412, 2191-2209.	3.7	180
8	Automated Annotation of Sphingolipids Including Accurate Identification of Hydroxylation Sites Using MSⁿ Data. Analytical Chemistry, 2020, 92, 14054-14062.	6.5	28
9	A Metabolomics Workflow for Analyzing Complex Biological Samples Using a Combined Method of Untargeted and Target-List Based Approaches. Metabolites, 2020, 10, 342.	2.9	17
10	Members of the endocannabinoid system are distinctly regulated in inflammatory bowel disease and colorectal cancer. Scientific Reports, 2019, 9, 2358.	3.3	60
11	Cholesterol Deficiency Causes Impaired Osmotic Stability of Cultured Red Blood Cells. Frontiers in Physiology, 2019, 10, 1529.	2.8	30
12	CNS myelination and remyelination depend on fatty acid synthesis by oligodendrocytes. ELife, 2019, 8, .	6.0	87
13	A phosphoglycolate phosphatase/AUM-dependent link between triacylglycerol turnover and epidermal growth factor signaling. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 584-594.	2.4	8
14	The glycerol backbone of phospholipids derives from noncarbohydrate precursors in starved lung cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6225-6230.	7.1	42
15	Characterisation of adipocyteâ€derived extracellular vesicle subtypes identifies distinct protein and lipid signatures for large and small extracellular vesicles. Journal of Extracellular Vesicles, 2017, 6, 1305677.	12.2	173
16	Lipidomics by ultrahigh performance liquid chromatography-high resolution mass spectrometry and its application to complex biological samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1053, 72-80.	2.3	87
17	Lipidomics: Prospects from a technological perspective. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 740-746.	2.4	38
18	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950â€“Metabolites in Frozen Human Plasma. Journal of Lipid Research, 2017, 58, 2275-2288.	4.2	312

#	Article	IF	Citations
19	Deciphering lipid structures based on platform-independent decision rules. Nature Methods, 2017, 14, 1171-1174.	19.0	116
20	Determination of the Isotopic Enrichment of ¹³C- and ²H-Labeled Tracers of Glucose Using High-Resolution Mass Spectrometry: Application to Dual- and Triple-Tracer Studies. Analytical Chemistry, 2017, 89, 12252-12260.	6.5	11
21	Quantitative analysis of N â€acylphosphatidylethanolamine molecular species in rat brain using solidâ€phase extraction combined with reversedâ€phase chromatography and tandem mass spectrometry. Journal of Separation Science, 2016, 39, 2474-2480.	2.5	13
22	Phospholipid oxidation generates potent antiâ€inflammatory lipid mediators that mimic structurally related proâ€resolving eicosanoids by activating Nrf2. EMBO Molecular Medicine, 2015, 7, 593-607.	6.9	81
23	Determination of Oxidized Phosphatidylcholines by Hydrophilic Interaction Liquid Chromatography Coupled to Fourier Transform Mass Spectrometry. International Journal of Molecular Sciences, 2015, 16, 8351-8363.	4.1	19
24	Balanced mTORC1 Activity in Oligodendrocytes Is Required for Accurate CNS Myelination. Journal of Neuroscience, 2014, 34, 8432-8448.	3.6	146
25	mTORC1 Controls PNS Myelination along the mTORC1-RXRÎ³-SREBP-Lipid Biosynthesis Axis in Schwann Cells. Cell Reports, 2014, 9, 646-660.	6.4	105
26	Hif-2Î± Promotes Degradation of Mammalian Peroxisomes by Selective Autophagy. Cell Metabolism, 2014, 20, 882-897.	16.2	131
27	Quantitation of phosphatidic acid and lysophosphatidic acid molecular species using hydrophilic interaction liquid chromatography coupled to electrospray ionization high resolution mass spectrometry. Journal of Chromatography A, 2014, 1347, 104-110.	3.7	58
28	Assessment of lipidomic species in hepatocyte lipid droplets from stressed mouse models. Scientific Data, 2014, 1, 140051.	5.3	10
29	Shorthand notation for lipid structures derived from mass spectrometry. Journal of Lipid Research, 2013, 54, 1523-1530.	4.2	689
30	The impact of genetic stress by ATGL deficiency on the lipidome of lipid droplets from murine hepatocytes. Journal of Lipid Research, 2013, 54, 2185-2194.	4.2	18
31	Lipidomic analysis of lipid droplets from murine hepatocytes reveals distinct signatures for nutritional stress. Journal of Lipid Research, 2012, 53, 2141-2152.	4.2	80
32	Mass Spectrometry Based Lipidomics: An Overview of Technological Platforms. Metabolites, 2012, 2, 19-38.	2.9	155
33	Lipid Data Analyzer: unattended identification and quantitation of lipids in LC-MS data. Bioinformatics, 2011, 27, 572-577.	4.1	173
34	A comprehensive method for lipid profiling by liquid chromatography-ion cyclotron resonance mass spectrometry. Journal of Lipid Research, 2011, 52, 2314-2322.	4.2	125