

Gerhard Liebisch

List of Publications by Year in descending order

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246
papers

16,997
citations

16451

64
h-index

18130

120
g-index

251
all docs

251
docs citations

251
times ranked

21806
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid extraction by methyl-tert-butyl ether for high-throughput lipidomics. <i>Journal of Lipid Research</i> , 2008, 49, 1137-1146.	4.2	1,801
2	Shorthand notation for lipid structures derived from mass spectrometry. <i>Journal of Lipid Research</i> , 2013, 54, 1523-1530.	4.2	689
3	ABCG1 (ABC8), the human homolog of the <i>Drosophila white</i> gene, is a regulator of macrophage cholesterol and phospholipid transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 817-822.	7.1	507
4	Molecular Cloning of the Human ATP-Binding Cassette Transporter 1 (hABC1): Evidence for Sterol-Dependent Regulation in Macrophages. <i>Biochemical and Biophysical Research Communications</i> , 1999, 257, 29-33.	2.1	473
5	Transport of lipids from Golgi to plasma membrane is defective in Tangier disease patients and Abc1-deficient mice. <i>Nature Genetics</i> , 2000, 24, 192-196.	21.4	462
6	Lipopolysaccharide and ceramide docking to CD14 provokes ligand-specific receptor clustering in rafts. <i>European Journal of Immunology</i> , 2001, 31, 3153-3164.	2.9	408
7	High throughput quantification of cholesterol and cholesteryl ester by electrospray ionization tandem mass spectrometry (ESI-MS/MS). <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 121-128.	2.4	393
8	Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. <i>Journal of Lipid Research</i> , 2020, 61, 1539-1555.	4.2	372
9	Loss of detoxification in inflammatory bowel disease: dysregulation of pregnane X receptor target genes. <i>Gastroenterology</i> , 2004, 127, 26-40.	1.3	324
10	Lipid profiling of FPLC-separated lipoprotein fractions by electrospray ionization tandem mass spectrometry. <i>Journal of Lipid Research</i> , 2009, 50, 574-585.	4.2	299
11	High-throughput quantification of phosphatidylcholine and sphingomyelin by electrospray ionization tandem mass spectrometry coupled with isotope correction algorithm. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004, 1686, 108-117.	2.4	288
12	Plasma ceramide and lysophosphatidylcholine inversely correlate with mortality in sepsis patients. <i>Journal of Lipid Research</i> , 2003, 44, 754-761.	4.2	275
13	MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines. <i>Journal of Lipid Research</i> , 2018, 59, 2001-2017.	4.2	231
14	The gut microbiota promotes hepatic fatty acid desaturation and elongation in mice. <i>Nature Communications</i> , 2018, 9, 3760.	12.8	200
15	Induction of fatty acid synthesis is a key requirement for phagocytic differentiation of human monocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7817-7822.	7.1	198
16	Genetic Determinants of Circulating Sphingolipid Concentrations in European Populations. <i>PLoS Genetics</i> , 2009, 5, e1000672.	3.5	184
17	Rapid quantification of bile acids and their conjugates in serum by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3920-3925.	2.3	183
18	Genome-Wide Association Study Identifies Novel Loci Associated with Circulating Phospho- and Sphingolipid Concentrations. <i>PLoS Genetics</i> , 2012, 8, e1002490.	3.5	181

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19	Lipidomic Analysis. <i>Analytical Chemistry</i> , 2018, 90, 4249-4257.	6.5	174
20	Mice with targeted disruption of the fatty acid transport protein 4 (Fatp 4, Slc27a4) gene show features of lethal restrictive dermatopathy. <i>Journal of Cell Biology</i> , 2003, 161, 1105-1115.	5.2	173
21	12R-lipoxygenase deficiency disrupts epidermal barrier function. <i>Journal of Cell Biology</i> , 2007, 177, 173-182.	5.2	171
22	The gut microbiota drives the impact of bile acids and fat source in diet on mouse metabolism. <i>Microbiome</i> , 2018, 6, 134.	11.1	169
23	Third-party fecal microbiota transplantation following allo-HCT reconstitutes microbiome diversity. <i>Blood Advances</i> , 2018, 2, 745-753.	5.2	167
24	High-Throughput Quantification of Lysophosphatidylcholine by Electrospray Ionization Tandem Mass Spectrometry. <i>Clinical Chemistry</i> , 2002, 48, 2217-2224.	3.2	166
25	Hsp12 Is an Intrinsically Unstructured Stress Protein that Folds upon Membrane Association and Modulates Membrane Function. <i>Molecular Cell</i> , 2010, 39, 507-520.	9.7	163
26	The VP1 Unique Region of Parvovirus B19 and Its Constituent Phospholipase A2-Like Activity. <i>Journal of Virology</i> , 2002, 76, 2014-2018.	3.4	153
27	Mitotane Inhibits Sterol-O-Acyl Transferase 1 Triggering Lipid-Mediated Endoplasmic Reticulum Stress and Apoptosis in Adrenocortical Carcinoma Cells. <i>Endocrinology</i> , 2015, 156, 3895-3908.	2.8	153
28	Apo AI/ABCA1-Dependent and HDL3-Mediated Lipid Efflux from Compositionally Distinct Cholesterol-Based Microdomains. <i>Traffic</i> , 2002, 3, 268-278.	2.7	143
29	A rapid GC-MS method for quantification of positional and geometric isomers of fatty acid methyl esters. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 897, 98-104.	2.3	142
30	A Lipidomic Study of Phospholipid Classes and Species in Human Synovial Fluid. <i>Arthritis and Rheumatism</i> , 2013, 65, 2323-2333.	6.7	142
31	Tumor-Specific Hsp70 Plasma Membrane Localization Is Enabled by the Glycosphingolipid Gb3. <i>PLoS ONE</i> , 2008, 3, e1925.	2.5	141
32	Lipidomics needs more standardization. <i>Nature Metabolism</i> , 2019, 1, 745-747.	11.9	139
33	Mass spectrometric analysis of lipid species of human circulating blood cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 655-664.	2.4	136
34	High-Throughput Analysis of Sphingosine 1-Phosphate, Sphinganine 1-Phosphate, and Lysophosphatidic Acid in Plasma Samples by Liquid Chromatography-Tandem Mass Spectrometry. <i>Clinical Chemistry</i> , 2009, 55, 1218-1222.	3.2	135
35	ATP-binding cassette transporter A1 (ABCA1) affects total body sterol metabolism. <i>Gastroenterology</i> , 2001, 120, 1203-1211.	1.3	128
36	Influence of Gender, Obesity, and Muscle Lipase Activity on Intramyocellular Lipids in Sedentary Individuals. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 3440-3447.	3.6	127

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37	Articular Joint Lubricants during Osteoarthritis and Rheumatoid Arthritis Display Altered Levels and Molecular Species. PLoS ONE, 2015, 10, e0125192.	2.5	126
38	Lipidomic Analysis of Serum from High Fat Diet Induced Obese Mice. International Journal of Molecular Sciences, 2014, 15, 2991-3002.	4.1	124
39	A rapid and quantitative LC-MS/MS method to profile sphingolipids. Journal of Lipid Research, 2010, 51, 2001-2011.	4.2	123
40	Application of stable isotopes to investigate the metabolism of fatty acids, glycerophospholipid and sphingolipid species. Progress in Lipid Research, 2014, 54, 14-31.	11.6	123
41	Glycerophospholipid and Sphingolipid Species and Mortality: The Ludwigshafen Risk and Cardiovascular Health (LURIC) Study. PLoS ONE, 2014, 9, e85724.	2.5	122
42	Changes in HDL-associated apolipoproteins relate to mortality in human sepsis and correlate to monocyte and platelet activation. Intensive Care Medicine, 2009, 35, 1877-1885.	8.2	119
43	Shotgun Lipidomics by Tandem Mass Spectrometry under Data-Dependent Acquisition Control. Methods in Enzymology, 2007, 433, 175-191.	1.0	115
44	Plasma phosphatidylcholine and sphingomyelin concentrations are associated with depression and anxiety symptoms in a Dutch family-based lipidomics study. Journal of Psychiatric Research, 2013, 47, 357-362.	3.1	115
45	Alterations of Plasma Lysophosphatidylcholine Species in Obesity and Weight Loss. PLoS ONE, 2014, 9, e111348.	2.5	112
46	Altered Skeletal Muscle Lipase Expression and Activity Contribute to Insulin Resistance in Humans. Diabetes, 2011, 60, 1734-1742.	0.6	103
47	Nutritional Value of the Duckweed Species of the Genus Wolffia (Lemnaceae) as Human Food. Frontiers in Chemistry, 2018, 6, 483.	3.6	102
48	Lipidomic and proteomic characterization of platelet extracellular vesicle subfractions from senescent platelets. Transfusion, 2015, 55, 507-521.	1.6	101
49	A large kindred of pulmonary fibrosis associated with a novel ABCA3 gene variant. Respiratory Research, 2014, 15, 43.	3.6	100
50	Altered lipid metabolism in a Drosophila model of Friedreich's ataxia. Human Molecular Genetics, 2010, 19, 2828-2840.	2.9	94
51	Recommendations for good practice in MS-based lipidomics. Journal of Lipid Research, 2021, 62, 100138.	4.2	85
52	Epithelial Stress and Apoptosis Underlie Hermansky-Pudlak Syndrome-associated Interstitial Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 207-219.	5.6	83
53	<i>Bacteroides uniformis</i> combined with fiber amplifies metabolic and immune benefits in obese mice. Gut Microbes, 2021, 13, 1-20.	9.8	81
54	Sphingolipids in Human Synovial Fluid - A Lipidomic Study. PLoS ONE, 2014, 9, e91769.	2.5	80

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55	Simultaneous Quantification of Cardiolipin, Bis(monoacylglycerol)phosphate and their Precursors by Hydrophilic Interaction LC-MS/MS Including Correction of Isotopic Overlap. <i>Analytical Chemistry</i> , 2010, 82, 8794-8799.	6.5	79
56	Respiratory disease in Niemann-Pick type C2 is caused by pulmonary alveolar proteinosis. <i>Clinical Genetics</i> , 2010, 77, 119-130.	2.0	78
57	PPAR β -Mediated and Arachidonic Acid-Dependent Signaling Is Involved in Differentiation and Lipid Production of Human Sebocytes. <i>Journal of Investigative Dermatology</i> , 2014, 134, 910-920.	0.7	77
58	Reporting of lipidomics data should be standardized. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 747-751.	2.4	77
59	Control of hepatocyte proliferation and survival by Fgf receptors is essential for liver regeneration in mice. <i>Gut</i> , 2015, 64, 1444-1453.	12.1	74
60	Quantification of Cholesterol and Cholesteryl Ester by Direct Flow Injection High-Resolution Fourier Transform Mass Spectrometry Utilizing Species-Specific Response Factors. <i>Analytical Chemistry</i> , 2019, 91, 3459-3466.	6.5	74
61	Adenosine Triphosphate Binding Cassette (ABC) Transporters Are Expressed and Regulated During Terminal Keratinocyte Differentiation: A Potential Role for ABCA7 in Epidermal Lipid Reorganization. <i>Journal of Investigative Dermatology</i> , 2003, 121, 465-474.	0.7	72
62	Sphingolipid profiling of human plasma and FPLC-separated lipoprotein fractions by hydrophilic interaction chromatography tandem mass spectrometry. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 68-75.	2.4	72
63	Low molecular weight adiponectin negatively correlates with the waist circumference and monocytic IL-6 release. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 968-973.	2.1	71
64	Lipidomics: Current state of the art in a fast moving field. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2020, 12, e1466.	6.6	71
65	Quantification of Fecal Short Chain Fatty Acids by Liquid Chromatography Tandem Mass Spectrometry—Investigation of Pre-Analytic Stability. <i>Biomolecules</i> , 2019, 9, 121.	4.0	68
66	Arabinoside oligosaccharides and polyunsaturated fatty acid effects on gut microbiota and metabolic markers in overweight individuals with signs of metabolic syndrome: A randomized cross-over trial. <i>Clinical Nutrition</i> , 2020, 39, 67-79.	5.0	68
67	Lipidomic profiling of human serum enables detection of pancreatic cancer. <i>Nature Communications</i> , 2022, 13, 124.	12.8	68
68	Lipidomic analysis of the liver from high-fat diet induced obese mice identifies changes in multiple lipid classes. <i>Experimental and Molecular Pathology</i> , 2014, 97, 37-43.	2.1	67
69	Serum bile acid profiling reflects enterohepatic detoxification state and intestinal barrier function in inflammatory bowel disease. <i>World Journal of Gastroenterology</i> , 2009, 15, 3134.	3.3	67
70	Lipidomics reveals membrane lipid remodeling and release of potential lipid mediators during early stress responses in a murine melanoma cell line. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 1036-1047.	2.4	63
71	The Colorectal Cancer Lipidome: Identification of a Robust Tumor-Specific Lipid Species Signature. <i>Gastroenterology</i> , 2021, 161, 910-923.e19.	1.3	63
72	Ceramide and polyunsaturated phospholipids are strongly reduced in human hepatocellular carcinoma. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1767-1774.	2.4	62

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73	Structure-function relationships of HDL in diabetes and coronary heart disease. <i>JCI Insight</i> , 2020, 5, .	5.0	62
74	A Multi-omics Approach to Unraveling the Microbiome-Mediated Effects of Arabinoxylan Oligosaccharides in Overweight Humans. <i>MSystems</i> , 2019, 4, .	3.8	61
75	High-throughput quantification of lysophosphatidylcholine by electrospray ionization tandem mass spectrometry. <i>Clinical Chemistry</i> , 2002, 48, 2217-24.	3.2	59
76	Quantification of sphingosine and sphinganine from crude lipid extracts by HPLC electrospray ionization tandem mass spectrometry. <i>Journal of Lipid Research</i> , 2003, 44, 2209-2216.	4.2	58
77	Metabolomics of fecal samples: A practical consideration. <i>Trends in Food Science and Technology</i> , 2016, 57, 244-255.	15.1	58
78	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021, 12, 4771.	12.8	54
79	Quantification of oxysterols in human plasma and red blood cells by liquid chromatography high-resolution tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1439, 82-88.	3.7	50
80	Infusion of donor feces affects the gut-brain axis in humans with metabolic syndrome. <i>Molecular Metabolism</i> , 2020, 42, 101076.	6.5	50
81	Monocyte to Macrophage Differentiation Goes along with Modulation of the Plasmalogen Pattern through Transcriptional Regulation. <i>PLoS ONE</i> , 2014, 9, e94102.	2.5	48
82	Relevance in the Use of Appropriate Internal Standards for Accurate Quantification Using LC-MS/MS: Tauro-Conjugated Bile Acids as an Example. <i>Analytical Chemistry</i> , 2016, 88, 10957-10961.	6.5	45
83	Adipocyte-specific Inactivation of Acyl-CoA Synthetase Fatty Acid Transport Protein 4 (Fatp4) in Mice Causes Adipose Hypertrophy and Alterations in Metabolism of Complex Lipids under High Fat Diet. <i>Journal of Biological Chemistry</i> , 2011, 286, 35578-35587.	3.4	44
84	Dysregulation of cholesterol homeostasis in human lung cancer tissue and tumour-associated macrophages. <i>EBioMedicine</i> , 2021, 72, 103578.	6.1	43
85	Quantification of steroid hormones in human serum by liquid chromatography-high resolution tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1526, 112-118.	3.7	42
86	Comprehensive evaluation of the metabolic effects of insect meal from <i>Tenebrio molitor</i> L. in growing pigs by transcriptomics, metabolomics and lipidomics. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 20.	5.3	42
87	The yeast acyltransferase Sct1p regulates fatty acid desaturation by competing with the desaturase Ole1p. <i>Molecular Biology of the Cell</i> , 2012, 23, 1146-1156.	2.1	41
88	Growth and Cell Cycle Abnormalities of Fibroblasts From Tangier Disease Patients. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 28-38.	2.4	40
89	Altered Surfactant Homeostasis and Alveolar Epithelial Cell Stress in Amiodarone-Induced Lung Fibrosis. <i>Toxicological Sciences</i> , 2014, 142, 285-297.	3.1	40
90	Lithocholic acid induction of the FGF19 promoter in intestinal cells is mediated by PXR. <i>World Journal of Gastroenterology</i> , 2007, 13, 4230.	3.3	40

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91	Lipid Alterations in Experimental Murine Colitis: Role of Ceramide and Imipramine for Matrix Metalloproteinase-1 Expression. <i>PLoS ONE</i> , 2009, 4, e7197.	2.5	39
92	Stored platelets alter glycerophospholipid and sphingolipid species, which are differentially transferred to newly released extracellular vesicles. <i>Transfusion</i> , 2013, 53, 612-626.	1.6	39
93	The role of membrane fatty acid remodeling in the antitumor mechanism of action of 2-hydroxyoleic acid. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1405-1413.	2.6	39
94	Lipid abnormalities in alpha/beta2-syntrophin null mice are independent from ABCA1. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 527-536.	2.4	39
95	Effects of Lycopene on the Initial State of Atherosclerosis in New Zealand White (NZW) Rabbits. <i>PLoS ONE</i> , 2012, 7, e30808.	2.5	39
96	E-LDL and Ox-LDL differentially regulate ceramide and cholesterol raft microdomains in human Macrophages. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 189-191.	1.5	38
97	Surfactant Lipidomics in Healthy Children and Childhood Interstitial Lung Disease. <i>PLoS ONE</i> , 2015, 10, e0117985.	2.5	38
98	Endurance and Resistance Training Affect High Fat Diet-Induced Increase of Ceramides, Inflammasome Expression, and Systemic Inflammation in Mice. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-13.	2.3	37
99	Accurate quantification of lipid species affected by isobaric overlap in Fourier-transform mass spectrometry. <i>Journal of Lipid Research</i> , 2021, 62, 100050.	4.2	37
100	Metabolic and growth inhibitory effects of conjugated fatty acids in the cell line HT-29 with special regard to the conversion of t11,t13-CLA. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 1070-1080.	2.4	36
101	Fatal neonatal respiratory failure in an infant with congenital hypothyroidism due to haploinsufficiency of the NKX2-1 gene: alteration of pulmonary surfactant homeostasis. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2011, 96, F453-F456.	2.8	36
102	Metabolic Profiling of Glycerophospholipid Synthesis in Fibroblasts Loaded with Free Cholesterol and Modified Low Density Lipoproteins. <i>Journal of Biological Chemistry</i> , 2006, 281, 21869-21877.	3.4	35
103	Gene expression profiling identifies retinoids as potent inducers of macrophage lipid efflux. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1740, 155-161.	3.8	34
104	HIF-1beta determines ABCA1 expression under hypoxia in human macrophages. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 241-252.	2.8	34
105	Bile Acid Metabolome after an Oral Lipid Tolerance Test by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS). <i>PLoS ONE</i> , 2016, 11, e0148869.	2.5	33
106	The conjugated linoleic acid isomer trans-9,trans-11 is a dietary occurring agonist of liver X receptor β . <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 660-666.	2.1	32
107	Phosphatidylcholine and phosphatidylethanolamine plasmalogens in lipid loaded human macrophages. <i>PLoS ONE</i> , 2018, 13, e0205706.	2.5	32
108	Excessive dietary lipid intake provokes an acquired form of lysosomal lipid storage disease in the kidney. <i>Journal of Pathology</i> , 2018, 246, 470-484.	4.5	32

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109	A Validated, Fast Method for Quantification of Sterols and Gut Microbiome Derived 5 β / β -Stanols in Human Feces by Isotope Dilution LC- ² High-Resolution MS. <i>Analytical Chemistry</i> , 2018, 90, 8487-8494.	6.5	32
110	Lipid profiling of lipoproteins by electrospray ionization tandem mass spectrometry. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 918-924.	2.4	31
111	Angiotensin-like 8 (Angptl8) controls adipocyte lipolysis and phospholipid composition. <i>Chemistry and Physics of Lipids</i> , 2017, 207, 246-252.	3.2	31
112	Identification and Annotation of Lipid Species in Metabolomics Studies Need Improvement. <i>Clinical Chemistry</i> , 2015, 61, 1542-1544.	3.2	30
113	Integrated multi-omics analysis supports role of lysophosphatidylcholine and related glycerophospholipids in the <i>Lotus japonicus</i> – <i>Glomus intraradices</i> mycorrhizal symbiosis. <i>Plant, Cell and Environment</i> , 2016, 39, 393-415.	5.7	30
114	iPLA2 ² deficiency attenuates obesity and hepatic steatosis in ob / ob mice through hepatic fatty-acyl phospholipid remodeling. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 449-461.	2.4	30
115	Metabolic injury-induced NLRP3 inflammasome activation dampens phospholipid degradation. <i>Scientific Reports</i> , 2017, 7, 2861.	3.3	30
116	Deletion of NLRX1 increases fatty acid metabolism and prevents diet-induced hepatic steatosis and metabolic syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1883-1895.	3.8	30
117	The lipidome of primary murine white, brite, and brown adipocytes—Impact of beta-adrenergic stimulation. <i>PLoS Biology</i> , 2019, 17, e3000412.	5.6	30
118	Exogenous sphingomyelinase causes impaired intestinal epithelial barrier function. <i>World Journal of Gastroenterology</i> , 2007, 13, 5217.	3.3	30
119	Lipidomic analysis of platelet senescence. <i>Transfusion</i> , 2010, 50, 1665-1676.	1.6	29
120	Accurate and reliable quantification of 25-hydroxy-vitamin D species by liquid chromatography high-resolution tandem mass spectrometry. <i>Journal of Lipid Research</i> , 2015, 56, 1234-1239.	4.2	29
121	Multicenter Evaluation of a New Inosine Monophosphate Dehydrogenase Inhibition Assay for Quantification of Total Mycophenolic Acid in Plasma. <i>Therapeutic Drug Monitoring</i> , 2008, 30, 428-433.	2.0	29
122	ABCA3 missense mutations causing surfactant dysfunction disorders have distinct cellular phenotypes. <i>Human Mutation</i> , 2018, 39, 841-850.	2.5	28
123	Lipid molecular timeline profiling reveals diurnal crosstalk between the liver and circulation. <i>Cell Reports</i> , 2021, 34, 108710.	6.4	28
124	Animal source food intake and association with blood cholesterol, glycerophospholipids and sphingolipids in a northern Swedish population. <i>International Journal of Circumpolar Health</i> , 2013, 72, 21162.	1.2	27
125	Palmitate activation by fatty acid transport protein 4 as a model system for hepatocellular apoptosis and steatosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 549-565.	2.4	27
126	Interleukin-1 ² affects the phospholipid biosynthesis of fibroblast-like synoviocytes from human osteoarthritic knee joints. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1890-1899.	1.3	27

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127	Analysis of hepatic transcript profile and plasma lipid profile in early lactating dairy cows fed grape seed and grape marc meal extract. <i>BMC Genomics</i> , 2017, 18, 253.	2.8	27
128	OSBP-related protein-2 (ORP2): a novel Akt effector that controls cellular energy metabolism. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4041-4057.	5.4	27
129	Sex, Food, and the Gut Microbiota: Disparate Response to Caloric Restriction Diet with Fiber Supplementation in Women and Men. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000996.	3.3	27
130	Polarized Membrane Traffic and Cell Polarity Development Is Dependent on Dihydroceramide Synthase-Regulated Sphinganine Turnover. <i>Molecular Biology of the Cell</i> , 2004, 15, 4115-4124.	2.1	25
131	The European Lipidomics Initiative: Enabling Technologies. <i>Methods in Enzymology</i> , 2007, 432, 213-232.	1.0	25
132	Effects of sphingoid bases on the sphingolipidome in early keratinocyte differentiation. <i>Experimental Dermatology</i> , 2013, 22, 677-679.	2.9	25
133	Annexin A6 protein is downregulated in human hepatocellular carcinoma. <i>Molecular and Cellular Biochemistry</i> , 2016, 418, 81-90.	3.1	25
134	Quantitative Lipidomics in Pulmonary Alveolar Proteinosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 881-887.	5.6	25
135	Total Fatty Acid Analysis of Human Blood Samples in One Minute by High-Resolution Mass Spectrometry. <i>Biomolecules</i> , 2019, 9, 7.	4.0	24
136	Novel sphingolipid derivatives promote keratinocyte differentiation. <i>Experimental Dermatology</i> , 2008, 17, 1004-1016.	2.9	23
137	Alterations of plasma glycerophospholipid and sphingolipid species in male alcohol-dependent patients. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1501-1510.	2.4	23
138	Metabolic engineering of the non-conventional yeast <i>Pichia ciferrii</i> for production of rare sphingoid bases. <i>Metabolic Engineering</i> , 2012, 14, 412-426.	7.0	22
139	Comparative lipidomic analysis of synovial fluid in human and canine osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1470-1478.	1.3	22
140	Secreted Factors from Adipose Tissue Reprogram Tumor Lipid Metabolism and Induce Motility by Modulating PPAR α /ANGPTL4 and FAK. <i>Molecular Cancer Research</i> , 2020, 18, 1849-1862.	3.4	22
141	Compounds that modulate AMPK activity and hepatic steatosis impact the biosynthesis of microRNAs required to maintain lipid homeostasis in hepatocytes. <i>EBioMedicine</i> , 2020, 53, 102697.	6.1	22
142	Metformin reduces cellular lysophosphatidylcholine and thereby may lower apolipoprotein B secretion in primary human hepatocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 321-325.	2.4	21
143	Increased Risk of Interstitial Lung Disease in Children with a Single R288K Variant of ABCA3. <i>Molecular Medicine</i> , 2016, 22, 183-191.	4.4	21
144	Bile acid-induced apoptosis and bile acid synthesis are reduced by over-expression of Augmenter of Liver Regeneration (ALR) in a STAT3-dependent mechanism. <i>Experimental Cell Research</i> , 2019, 374, 189-197.	2.6	21

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145	Cancer-associated cells release citrate to support tumour metastatic progression. Life Science Alliance, 2021, 4, e202000903.	2.8	21
146	The effect of gut microbiota on the intestinal lipidome of mice. International Journal of Medical Microbiology, 2021, 311, 151488.	3.6	21
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