Christer S Ejsing

List of Publications by Year
in descending order

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93	8,728	66234	46693
papers	citations	42 h-index	89 g-index

99	99	99	10311
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global analysis of the yeast lipidome by quantitative shotgun mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2136-2141.	3.3	932
2	Orm family proteins mediate sphingolipid homeostasis. Nature, 2010, 463, 1048-1053.	13.7	544
3	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
4	Automated Identification and Quantification of Glycerophospholipid Molecular Species by Multiple Precursor Ion Scanning. Analytical Chemistry, 2006, 78, 6202-6214.	3.2	379
5	Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. Journal of Lipid Research, 2020, 61, 1539-1555.	2.0	372
6	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
7	Homeoviscous Adaptation and the Regulation of Membrane Lipids. Journal of Molecular Biology, 2016, 428, 4776-4791.	2.0	301
8	Seipin is required for converting nascent to mature lipid droplets. ELife, 2016, 5, .	2.8	292
9	Transformation-Associated Changes in Sphingolipid Metabolism Sensitize Cells to Lysosomal Cell Death Induced by Inhibitors of Acid Sphingomyelinase. Cancer Cell, 2013, 24, 379-393.	7.7	281
10	Charting molecular composition of phosphatidylcholines by fatty acid scanning and ion trap MS3 fragmentation. Journal of Lipid Research, 2003, 44, 2181-2192.	2.0	277
11	Lipid Profiling by Multiple Precursor and Neutral Loss Scanning Driven by the Data-Dependent Acquisition. Analytical Chemistry, 2006, 78, 585-595.	3.2	272
12	Accumulation of raft lipids in T-cell plasma membrane domains engaged in TCR signalling. EMBO Journal, 2009, 28, 466-476.	3.5	252
13	High-throughput shotgun lipidomics by quadrupole time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2664-2672.	1.2	197
14	Polyene-lipids: A new tool to image lipids. Nature Methods, 2005, 2, 39-45.	9.0	169
15	Sterol homeostasis requires regulated degradation of squalene monooxygenase by the ubiquitin ligase Doa10/Teb4. ELife, 2013, 2, e00953.	2.8	167
16	Automated, parallel mass spectrometry imaging and structural identification of lipids. Nature Methods, 2018, 15, 515-518.	9.0	158
17	Gem1 and <scp>ERMES</scp> Do Not Directly Affect Phosphatidylserine Transport from <scp>ER</scp> to Mitochondria or Mitochondrial Inheritance. Traffic, 2012, 13, 880-890.	1.3	154
18	Analysis of Lipid Experiments (ALEX): A Software Framework for Analysis of High-Resolution Shotgun Lipidomics Data. PLoS ONE, 2013, 8, e79736.	1.1	142

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19	MIGA2 Links Mitochondria, the ER, and Lipid Droplets and Promotes De Novo Lipogenesis in Adipocytes. Molecular Cell, 2019, 76, 811-825.e14.	4.5	136
20	A Lipid E-MAP Identifies Ubx2 as a Critical Regulator of Lipid Saturation and Lipid Bilayer Stress. Molecular Cell, 2013, 51, 519-530.	4.5	127
21	Collision-induced dissociation pathways of yeast sphingolipids and their molecular profiling in total lipid extracts: a study by quadrupole TOF and linear ion trapâ€“orbitrap mass spectrometry. Journal of Mass Spectrometry, 2006, 41, 372-389.	0.7	124
22	Comprehensive Lipidome Analysis by Shotgun Lipidomics on a Hybrid Quadrupole-Orbitrap-Linear Ion Trap Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2015, 26, 133-148.	1.2	118
23	Seipin and the membrane-shaping protein Pex30 cooperate in organelle budding from the endoplasmic reticulum. Nature Communications, 2018, 9, 2939.	5.8	107
24	Two different pathways of phosphatidylcholine synthesis, the Kennedy Pathway and the Lands Cycle, differentially regulate cellular triacylglycerol storage. BMC Cell Biology, 2014, 15, 43.	3.0	104
25	An ER Protein Functionally Couples Neutral Lipid Metabolism on Lipid Droplets to Membrane Lipid Synthesis in the ER. Cell Reports, 2014, 6, 44-55.	2.9	99
26	The Lipidomes of Vesicular Stomatitis Virus, Semliki Forest Virus, and the Host Plasma Membrane Analyzed by Quantitative Shotgun Mass Spectrometry. Journal of Virology, 2009, 83, 7996-8003.	1.5	98
27	Yeast Lipids Can Phase-separate into Micrometer-scale Membrane Domains. Journal of Biological Chemistry, 2010, 285, 30224-30232.	1.6	96
28	A plasma-membrane E-MAP reveals links of the eisosome with sphingolipid metabolism and endosomal trafficking. Nature Structural and Molecular Biology, 2010, 17, 901-908.	3.6	93
29	Activity of dietary fatty acids on FFA1 and FFA4 and characterisation of pinolenic acid as a dual FFA1/FFA4 agonist with potential effect against metabolic diseases. British Journal of Nutrition, 2015, 113, 1677-1688.	1.2	93
30	The GARP complex is required for cellular sphingolipid homeostasis. ELife, 2015, 4, .	2.8	88
31	Regulation of lipid droplets by metabolically controlled Ldo isoforms. Journal of Cell Biology, 2018, 217, 127-138.	2.3	86
32	Proposal for a common nomenclature for fragment ions in mass spectra of lipids. PLoS ONE, 2017, 12, e0188394.	1.1	84
33	Quantitative Analysis of Proteome and Lipidome Dynamics Reveals Functional Regulation of Global Lipid Metabolism. Chemistry and Biology, 2015, 22, 412-425.	6.2	77
34	Reporting of lipidomics data should be standardized. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 747-751.	1.2	77
35	Quantification of Cholesterol and Cholesteryl Ester by Direct Flow Injection High-Resolution Fourier Transform Mass Spectrometry Utilizing Species-Specific Response Factors. Analytical Chemistry, 2019, 91, 3459-3466.	3.2	74
36	Generic Sorting of Raft Lipids into Secretory Vesicles in Yeast. Traffic, 2011, 12, 1139-1147.	1.3	63

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37	LipidCreator workbench to probe the lipidomic landscape. Nature Communications, 2020, 11, 2057.	5.8	58
38	Comprehensive and quantitative profiling of lipid species in human milk, cow milk and a phospholipidâ€enriched milk formula by GC and MS/MS^{ALL}. European Journal of Lipid Science and Technology, 2015, 117, 751-759.	1.0	57
39	Functional Loss of Two Ceramide Synthases Elicits Autophagy-Dependent Lifespan Extension in C. elegans. PLoS ONE, 2013, 8, e70087.	1.1	56
40	Quality control requirements for the correct annotation of lipidomics data. Nature Communications, 2021, 12, 4771.	5.8	54
41	Multi-omics Analyses of Starvation Responses Reveal a Central Role for Lipoprotein Metabolism in Acute Starvation Survival in C.Âelegans. Cell Systems, 2017, 5, 38-52.e4.	2.9	52
42	Osmolality, Temperature, and Membrane Lipid Composition Modulate the Activity of Betaine Transporter BetP in Corynebacterium glutamicum. Journal of Bacteriology, 2007, 189, 7485-7496.	1.0	50
43	Quantitative Spatial Analysis of the Mouse Brain Lipidome by Pressurized Liquid Extraction Surface Analysis. Analytical Chemistry, 2015, 87, 1749-1756.	3.2	48
44	Compositional and structural characterization of monolayers and bilayers composed of native pulmonary surfactant from wild type mice. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2450-2459.	1.4	45
45	PSI1 is responsible for the stearic acid enrichment that is characteristic of phosphatidylinositol in yeast. FEBS Journal, 2009, 276, 6412-6424.	2.2	41
46	The Effects of Temperature and Growth Phase on the Lipidomes of Sulfolobus islandicus and Sulfolobus tokodaii. Life, 2015, 5, 1539-1566.	1.1	38
47	Mga2 Transcription Factor Regulates an Oxygen-responsive Lipid Homeostasis Pathway in Fission Yeast. Journal of Biological Chemistry, 2016, 291, 12171-12183.	1.6	37
48	Accurate quantification of lipid species affected by isobaric overlap in Fourier-transform mass spectrometry. Journal of Lipid Research, 2021, 62, 100050.	2.0	37
49	Structural characterization of ether lipids from the archaeonSulfolobus islandicusby high-resolution shotgun lipidomics. Journal of Mass Spectrometry, 2015, 50, 476-487.	0.7	35
50	Pex35 is a regulator of peroxisome abundance. Journal of Cell Science, 2017, 130, 791-804.	1.2	34
51	A novel pathway of ceramide metabolism in Saccharomyces cerevisiae. Biochemical Journal, 2012, 447, 103-114.	1.7	32
52	Distinct roles of two ceramide synthases, CaLag1p and CaLac1p, in the morphogenesis of Candida albicans. Molecular Microbiology, 2012, 83, 728-745.	1.2	32
53	Identification and Annotation of Lipid Species in Metabolomics Studies Need Improvement. Clinical Chemistry, 2015, 61, 1542-1544.	1.5	30
54	Quantitative profiling of PE, MMPE, DMPE, and PC lipid species by multiple precursor ion scanning: A tool for monitoring PE metabolism. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 1081-1089.	1.2	29

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55	Discovery of a Potent Thiazolidine Free Fatty Acid Receptor 2 Agonist with Favorable Pharmacokinetic Properties. Journal of Medicinal Chemistry, 2018, 61, 9534-9550.	2.9	29
56	High-content screening of yeast mutant libraries by shotgun lipidomics. Molecular BioSystems, 2014, 10, 1364-1376.	2.9	28
57	Lipid molecular timeline profiling reveals diurnal crosstalk between the liver and circulation. Cell Reports, 2021, 34, 108710.	2.9	28
58	Rom2-dependent Phosphorylation of Elo2 Controls the Abundance of Very Long-chain Fatty Acids. Journal of Biological Chemistry, 2015, 290, 4238-4247.	1.6	26
59	Lipid droplet consumption is functionally coupled to vacuole homeostasis independent of lipophagy. Journal of Cell Science, 2018, 131, .	1.2	26
60	Profiling of lipid species by normal-phase liquid chromatography, nanoelectrospray ionization, and ion trapâ€“orbitrap mass spectrometry. Analytical Biochemistry, 2013, 443, 88-96.	1.1	24
61	Total Fatty Acid Analysis of Human Blood Samples in One Minute by High-Resolution Mass Spectrometry. Biomolecules, 2019, 9, 7.	1.8	24
62	Specific Lipids Modulate the Transporter Associated with Antigen Processing (TAP). Journal of Biological Chemistry, 2011, 286, 13346-13356.	1.6	23
63	Exogenous Ether Lipids Predominantly Target Mitochondria. PLoS ONE, 2012, 7, e31342.	1.1	22
64	Composition, structure and properties of POPCâ€“triolein mixtures. Evidence of triglyceride domains in phospholipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1909-1917.	1.4	22
65	Discovery of a Potent Free Fatty Acid 1 Receptor Agonist with Low Lipophilicity, Low Polar Surface Area, and Robust in Vivo Efficacy. Journal of Medicinal Chemistry, 2016, 59, 2841-2846.	2.9	20
66	Increasing jojoba-like wax ester production in Saccharomyces cerevisiae by enhancing very long-chain, monounsaturated fatty acid synthesis. Microbial Cell Factories, 2019, 18, 49.	1.9	20
67	Yeast Cells Lacking All Known Ceramide Synthases Continue to Make Complex Sphingolipids and to Incorporate Ceramides into Glycosylphosphatidylinositol (GPI) Anchors. Journal of Biological Chemistry, 2011, 286, 6769-6779.	1.6	19
68	Niemann-Pick C2 protein regulates sterol transport between plasma membrane and late endosomes in human fibroblasts. Chemistry and Physics of Lipids, 2018, 213, 48-61.	1.5	19
69	Easy, Fast, and Reproducible Quantification of Cholesterol and Other Lipids in Human Plasma by Combined High Resolution MSX and FTMS Analysis. Journal of the American Society for Mass Spectrometry, 2018, 29, 34-41.	1.2	19
70	Uptake of exogenous serine is important to maintain sphingolipid homeostasis in Saccharomyces cerevisiae. PLoS Genetics, 2020, 16, e1008745.	1.5	18
71	The role of lipids and salts in two-dimensional crystallization of the glycineâ€“betaine transporter BetP from Corynebacterium glutamicum. Journal of Structural Biology, 2007, 160, 275-286.	1.3	15
72	Phosphoproteomic Analysis across the Yeast Life Cycle Reveals Control of Fatty Acyl Chain Length by Phosphorylation of the Fatty Acid Synthase Complex. Cell Reports, 2020, 32, 108024.	2.9	14

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73	Characterization of yeast mutants lacking alkaline ceramidasesYPC1andYDC1. FEMS Yeast Research, 2014, 14, 776-788.	1.1	13
74	Saccharomyces cerevisiae Is Dependent on Vesicular Traffic between the Golgi Apparatus and the Vacuole When Inositolphosphorylceramide Synthase Aur1 Is Inactivated. Eukaryotic Cell, 2015, 14, 1203-1216.	3.4	12
75	Quantitative lipidomics reveals age-dependent perturbations of whole-body lipid metabolism in ACBP deficient mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 145-155.	1.2	12
76	Molecular species selectivity of lipid transport creates a mitochondrial sink for diâ€unsaturated phospholipids. EMBO Journal, 2022, 41, e106837.	3.5	12
77	Shotgun lipidomic analysis of chemically sulfated sterols compromises analytical sensitivity: Recommendation for largeâ€scale global lipidome analysis. European Journal of Lipid Science and Technology, 2014, 116, 1618-1620.	1.0	11
78	Quantitative Profiling of Long-Chain Bases by Mass Tagging and Parallel Reaction Monitoring. PLoS ONE, 2015, 10, e0144817.	1.1	9
79	A Simple and Direct Assay for Monitoring Fatty Acid Synthase Activity and Product-Specificity by High-Resolution Mass Spectrometry. Biomolecules, 2020, 10, 118.	1.8	9
80	Silencing of ceramide synthase 2 in hepatocytes modulates plasma ceramide biomarkers predictive of cardiovascular death. Molecular Therapy, 2022, 30, 1661-1674.	3.7	9
81	LAMTOR/Ragulator regulates lipid metabolism in macrophages and foam cell differentiation. FEBS Letters, 2020, 594, 31-42.	1.3	7
82	Dairy-Derived Emulsifiers in Infant Formula Show Marginal Effects on the Plasma Lipid Profile and Brain Structure in Preterm Piglets Relative to Soy Lecithin. Nutrients, 2021, 13, 718.	1.7	7
83	Adipose MDM2 regulates systemic insulin sensitivity. Scientific Reports, 2021, 11, 21839.	1.6	7
84	Modulation of the Lactobacillus acidophilus La-5 lipidome by different growth conditions. Microbiology (United Kingdom), 2015, 161, 1990-1998.	0.7	4
85	Structural characterization of suppressor lipids by high-resolution mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 2215-2227.	0.7	3
86	Adipocyte-like signature in ovarian cancer minimal residual disease identifies metabolic vulnerabilities of tumor initiating cells. JCI Insight, 2021, 6, .	2.3	3
87	Brain lipidomics and neurodevelopmental outcomes in intrauterine growth restricted piglets fed dairy or vegetable fat diets. Scientific Reports, 2022, 12, 3303.	1.6	3
88	Functions of Ceramide Synthase Paralogs YPR114w and YJR116w of Saccharomyces cerevisiae. PLoS ONE, 2016, 11, e0145831.	1.1	2
89	Simple Targeted Assays for Metabolic Pathways and Signaling: A Powerful Tool for Targeted Proteomics. Analytical Chemistry, 2020, 92, 13672-13676.	3.2	1
90	Native pulmonary surfactant membranes show similar phase segregation in bilayers and monolayers, both qualitatively and quantitatively, as predicted by lipid composition analysis. Chemistry and Physics of Lipids, 2010, 163, S31.	1.5	0

#	Article	IF	Citations
91	Title is missing!. , 2020, 16, e1008745.		0
92	Title is missing!. , 2020, 16, e1008745.		0
93	Title is missing!. , 2020, 16, e1008745.		0