

Christer S Ejsing

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

6,508
citations

40
h-index

80
g-index

99
ext. papers

7,808
ext. citations

7.6
avg, IF

5.67
L-index

#	Paper	IF	Citations
92	Global analysis of the yeast lipidome by quantitative shotgun mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2136-41	11.5	733
91	Orm family proteins mediate sphingolipid homeostasis. <i>Nature</i> , 2010 , 463, 1048-53	50.4	450
90	Automated identification and quantification of glycerophospholipid molecular species by multiple precursor ion scanning. <i>Analytical Chemistry</i> , 2006 , 78, 6202-14	7.8	353
89	Membrane lipidome of an epithelial cell line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1903-7	11.5	326
88	Segregation of sphingolipids and sterols during formation of secretory vesicles at the trans-Golgi network. <i>Journal of Cell Biology</i> , 2009 , 185, 601-12	7.3	305
87	Lipid profiling by multiple precursor and neutral loss scanning driven by the data-dependent acquisition. <i>Analytical Chemistry</i> , 2006 , 78, 585-95	7.8	251
86	Charting molecular composition of phosphatidylcholines by fatty acid scanning and ion trap MS3 fragmentation. <i>Journal of Lipid Research</i> , 2003 , 44, 2181-92	6.3	239
85	Transformation-associated changes in sphingolipid metabolism sensitize cells to lysosomal cell death induced by inhibitors of acid sphingomyelinase. <i>Cancer Cell</i> , 2013 , 24, 379-93	24.3	219
84	Accumulation of raft lipids in T-cell plasma membrane domains engaged in TCR signalling. <i>EMBO Journal</i> , 2009 , 28, 466-76	13	212
83	Seipin is required for converting nascent to mature lipid droplets. <i>ELife</i> , 2016 , 5,	8.9	196
82	High-throughput shotgun lipidomics by quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2664-72	3.2	185
81	Homeoviscous Adaptation and the Regulation of Membrane Lipids. <i>Journal of Molecular Biology</i> , 2016 , 428, 4776-4791	6.5	157
80	Polyene-lipids: a new tool to image lipids. <i>Nature Methods</i> , 2005 , 2, 39-45	21.6	154
79	Gem1 and ERMES do not directly affect phosphatidylserine transport from ER to mitochondria or mitochondrial inheritance. <i>Traffic</i> , 2012 , 13, 880-90	5.7	137
78	Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. <i>Journal of Lipid Research</i> , 2020 , 61, 1539-1555	6.3	119
77	Collision-induced dissociation pathways of yeast sphingolipids and their molecular profiling in total lipid extracts: a study by quadrupole TOF and linear ion trap-orbitrap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2006 , 41, 372-89	2.2	116
76	Sterol homeostasis requires regulated degradation of squalene monooxygenase by the ubiquitin ligase Doa10/Teb4. <i>ELife</i> , 2013 , 2, e00953	8.9	116

75	Analysis of lipid experiments (ALEX): a software framework for analysis of high-resolution shotgun lipidomics data. <i>PLoS ONE</i> , 2013 , 8, e79736	3.7	115
74	A lipid E-MAP identifies Ubx2 as a critical regulator of lipid saturation and lipid bilayer stress. <i>Molecular Cell</i> , 2013 , 51, 519-30	17.6	100
73	Comprehensive lipidome analysis by shotgun lipidomics on a hybrid quadrupole-orbitrap-linear ion trap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 133-48	3.5	97
72	Automated, parallel mass spectrometry imaging and structural identification of lipids. <i>Nature Methods</i> , 2018 , 15, 515-518	21.6	93
71	The lipidomes of vesicular stomatitis virus, semliki forest virus, and the host plasma membrane analyzed by quantitative shotgun mass spectrometry. <i>Journal of Virology</i> , 2009 , 83, 7996-8003	6.6	85
70	A plasma-membrane E-MAP reveals links of the eisosome with sphingolipid metabolism and endosomal trafficking. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 901-8	17.6	79
69	Yeast lipids can phase-separate into micrometer-scale membrane domains. <i>Journal of Biological Chemistry</i> , 2010 , 285, 30224-32	5.4	79
68	Seipin and the membrane-shaping protein Pex30 cooperate in organelle budding from the endoplasmic reticulum. <i>Nature Communications</i> , 2018 , 9, 2939	17.4	74
67	An ER protein functionally couples neutral lipid metabolism on lipid droplets to membrane lipid synthesis in the ER. <i>Cell Reports</i> , 2014 , 6, 44-55	10.6	71
66	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. <i>British Journal of Nutrition</i> , 2015 , 113, 1677-88	3.6	66
65	Two different pathways of phosphatidylcholine synthesis, the Kennedy Pathway and the Lands Cycle, differentially regulate cellular triacylglycerol storage. <i>BMC Cell Biology</i> , 2014 , 15, 43		65
64	MIGA2 Links Mitochondria, the ER, and Lipid Droplets and Promotes De Novo Lipogenesis in Adipocytes. <i>Molecular Cell</i> , 2019 , 76, 811-825.e14	17.6	64
63	Reporting of lipidomics data should be standardized. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 747-751	5	61
62	Regulation of lipid droplets by metabolically controlled Ldo isoforms. <i>Journal of Cell Biology</i> , 2018 , 217, 127-138	7.3	59
61	Proposal for a common nomenclature for fragment ions in mass spectra of lipids. <i>PLoS ONE</i> , 2017 , 12, e0188394	3.7	57
60	Quantitative analysis of proteome and lipidome dynamics reveals functional regulation of global lipid metabolism. <i>Chemistry and Biology</i> , 2015 , 22, 412-25		55
59	The GARP complex is required for cellular sphingolipid homeostasis. <i>ELife</i> , 2015 , 4,	8.9	53
58	Generic sorting of raft lipids into secretory vesicles in yeast. <i>Traffic</i> , 2011 , 12, 1139-47	5.7	52

57	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	7.8	48
56	Comprehensive and quantitative profiling of lipid species in human milk, cow milk and a phospholipid-enriched milk formula by GC and MS/MS. <i>European Journal of Lipid Science and Technology</i> , 2015 , 117, 751-759	3	47
55	Osmolality, temperature, and membrane lipid composition modulate the activity of betaine transporter BetP in <i>Corynebacterium glutamicum</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 7485-96	3.5	46
54	Quantitative spatial analysis of the mouse brain lipidome by pressurized liquid extraction surface analysis. <i>Analytical Chemistry</i> , 2015 , 87, 1749-56	7.8	44
53	Functional loss of two ceramide synthases elicits autophagy-dependent lifespan extension in <i>C. elegans</i> . <i>PLoS ONE</i> , 2013 , 8, e70087	3.7	41
52	PSI1 is responsible for the stearic acid enrichment that is characteristic of phosphatidylinositol in yeast. <i>FEBS Journal</i> , 2009 , 276, 6412-24	5.7	35
51	Multi-omics Analyses of Starvation Responses Reveal a Central Role for Lipoprotein Metabolism in Acute Starvation Survival in <i>C. elegans</i> . <i>Cell Systems</i> , 2017 , 5, 38-52.e4	10.6	32
50	Compositional and structural characterization of monolayers and bilayers composed of native pulmonary surfactant from wild type mice. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 2450-9	3.8	31
49	Quantitative profiling of PE, MMPE, DMPE, and PC lipid species by multiple precursor ion scanning: a tool for monitoring PE metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 1081-9	5	27
48	LipidCreator workbench to probe the lipidomic landscape. <i>Nature Communications</i> , 2020 , 11, 2057	17.4	26
47	Identification and Annotation of Lipid Species in Metabolomics Studies Need Improvement. <i>Clinical Chemistry</i> , 2015 , 61, 1542-4	5.5	24
46	A novel pathway of ceramide metabolism in <i>Saccharomyces cerevisiae</i> . <i>Biochemical Journal</i> , 2012 , 447, 103-14	3.8	24
45	Mga2 Transcription Factor Regulates an Oxygen-responsive Lipid Homeostasis Pathway in Fission Yeast. <i>Journal of Biological Chemistry</i> , 2016 , 291, 12171-83	5.4	24
44	High-content screening of yeast mutant libraries by shotgun lipidomics. <i>Molecular BioSystems</i> , 2014 , 10, 1364-76		23
43	Profiling of lipid species by normal-phase liquid chromatography, nanoelectrospray ionization, and ion trap-orbitrap mass spectrometry. <i>Analytical Biochemistry</i> , 2013 , 443, 88-96	3.1	23
42	The Effects of Temperature and Growth Phase on the Lipidomes of <i>Sulfolobus islandicus</i> and <i>Sulfolobus tokodaii</i> . <i>Life</i> , 2015 , 5, 1539-66	3	23
41	Specific lipids modulate the transporter associated with antigen processing (TAP). <i>Journal of Biological Chemistry</i> , 2011 , 286, 13346-56	5.4	22
40	Distinct roles of two ceramide synthases, CaLag1p and CaLac1p, in the morphogenesis of <i>Candida albicans</i> . <i>Molecular Microbiology</i> , 2012 , 83, 728-45	4.1	21

39	Discovery of a Potent Thiazolidine Free Fatty Acid Receptor 2 Agonist with Favorable Pharmacokinetic Properties. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 9534-9550	8.3	20
38	Rom2-dependent phosphorylation of Elo2 controls the abundance of very long-chain fatty acids. <i>Journal of Biological Chemistry</i> , 2015 , 290, 4238-47	5.4	19
37	Exogenous ether lipids predominantly target mitochondria. <i>PLoS ONE</i> , 2012 , 7, e31342	3.7	19
36	Structural characterization of ether lipids from the archaeon <i>Sulfolobus islandicus</i> by high-resolution shotgun lipidomics. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 476-87	2.2	18
35	Yeast cells lacking all known ceramide synthases continue to make complex sphingolipids and to incorporate ceramides into glycosylphosphatidylinositol (GPI) anchors. <i>Journal of Biological Chemistry</i> , 2011 , 286, 6769-79	5.4	18
34	Pex35 is a regulator of peroxisome abundance. <i>Journal of Cell Science</i> , 2017 , 130, 791-804	5.3	17
33	Discovery of a Potent Free Fatty Acid 1 Receptor Agonist with Low Lipophilicity, Low Polar Surface Area, and Robust in Vivo Efficacy. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 2841-6	8.3	17
32	Composition, structure and properties of POPC-triolein mixtures. Evidence of triglyceride domains in phospholipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1909-17	3.8	17
31	Total Fatty Acid Analysis of Human Blood Samples in One Minute by High-Resolution Mass Spectrometry. <i>Biomolecules</i> , 2018 , 9,	5.9	16
30	Quality control requirements for the correct annotation of lipidomics data. <i>Nature Communications</i> , 2021 , 12, 4771	17.4	16
29	Lipid droplet consumption is functionally coupled to vacuole homeostasis independent of lipophagy. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	15
28	Niemann-Pick C2 protein regulates sterol transport between plasma membrane and late endosomes in human fibroblasts. <i>Chemistry and Physics of Lipids</i> , 2018 , 213, 48-61	3.7	15
27	Easy, Fast, and Reproducible Quantification of Cholesterol and Other Lipids in Human Plasma by Combined High Resolution MSX and FTMS Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 34-41	3.5	15
26	Accurate quantification of lipid species affected by isobaric overlap in Fourier-transform mass spectrometry. <i>Journal of Lipid Research</i> , 2021 , 62, 100050	6.3	14
25	Increasing jojoba-like wax ester production in <i>Saccharomyces cerevisiae</i> by enhancing very long-chain, monounsaturated fatty acid synthesis. <i>Microbial Cell Factories</i> , 2019 , 18, 49	6.4	13
24	The role of lipids and salts in two-dimensional crystallization of the glycine-betaine transporter BetP from <i>Corynebacterium glutamicum</i> . <i>Journal of Structural Biology</i> , 2007 , 160, 275-86	3.4	13
23	Quantitative lipidomics reveals age-dependent perturbations of whole-body lipid metabolism in ACBP deficient mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 145-155	5.5	12
22	<i>Saccharomyces cerevisiae</i> Is Dependent on Vesicular Traffic between the Golgi Apparatus and the Vacuole When Inositolphosphorylceramide Synthase Aur1 Is Inactivated. <i>Eukaryotic Cell</i> , 2015 , 14, 1203-16		10

21	Shotgun lipidomic analysis of chemically sulfated sterols compromises analytical sensitivity: Recommendation for large-scale global lipidome analysis. <i>European Journal of Lipid Science and Technology</i> , 2014 , 116, 1618-1620	3	9
20	Characterization of yeast mutants lacking alkaline ceramidases YPC1 and YDC1. <i>FEMS Yeast Research</i> , 2014 , 14, 776-88	3.1	8
19	Quantitative Profiling of Long-Chain Bases by Mass Tagging and Parallel Reaction Monitoring. <i>PLoS ONE</i> , 2015 , 10, e0144817	3.7	8
18	Lipid molecular timeline profiling reveals diurnal crosstalk between the liver and circulation. <i>Cell Reports</i> , 2021 , 34, 108710	10.6	7
17	A Simple and Direct Assay for Monitoring Fatty Acid Synthase Activity and Product-Specificity by High-Resolution Mass Spectrometry. <i>Biomolecules</i> , 2020 , 10,	5.9	6
16	Uptake of exogenous serine is important to maintain sphingolipid homeostasis in <i>Saccharomyces cerevisiae</i> . <i>PLoS Genetics</i> , 2020 , 16, e1008745	6	6
15	Phosphoproteomic Analysis across the Yeast Life Cycle Reveals Control of Fatty Acyl Chain Length by Phosphorylation of the Fatty Acid Synthase Complex. <i>Cell Reports</i> , 2020 , 32, 108024	10.6	5
14	Lipid Informatics: From a Mass Spectrum to Interactomics 2012 , 147-174		4
13	Modulation of the <i>Lactobacillus acidophilus</i> La-5 lipidome by different growth conditions. <i>Microbiology (United Kingdom)</i> , 2015 , 161, 1990-1998	2.9	4
12	Structural characterization of suppressor lipids by high-resolution mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 2215-27	2.2	3
11	Dairy-Derived Emulsifiers in Infant Formula Show Marginal Effects on the Plasma Lipid Profile and Brain Structure in Preterm Piglets Relative to Soy Lecithin. <i>Nutrients</i> , 2021 , 13,	6.7	3
10	LAMTOR/Ragulator regulates lipid metabolism in macrophages and foam cell differentiation. <i>FEBS Letters</i> , 2020 , 594, 31-42	3.8	2
9	Simple Targeted Assays for Metabolic Pathways and Signaling: A Powerful Tool for Targeted Proteomics. <i>Analytical Chemistry</i> , 2020 , 92, 13672-13676	7.8	1
8	Functions of Ceramide Synthase Paralogs YPR114w and YJR116w of <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2016 , 11, e0145831	3.7	1
7	Silencing of ceramide synthase 2 in hepatocytes modulates plasma ceramide biomarkers predictive of cardiovascular death. <i>Molecular Therapy</i> , 2021 ,	11.7	1
6	Adipose MDM2 regulates systemic insulin sensitivity. <i>Scientific Reports</i> , 2021 , 11, 21839	4.9	0
5	Molecular species selectivity of lipid transport creates a mitochondrial sink for di-unsaturated phospholipids. <i>EMBO Journal</i> , 2021 , e106837	13	0
4	Brain lipidomics and neurodevelopmental outcomes in intrauterine growth restricted piglets fed dairy or vegetable fat diets.. <i>Scientific Reports</i> , 2022 , 12, 3303	4.9	

- 3 Uptake of exogenous serine is important to maintain sphingolipid homeostasis in *Saccharomyces cerevisiae* **2020**, 16, e1008745
- 2 Uptake of exogenous serine is important to maintain sphingolipid homeostasis in *Saccharomyces cerevisiae* **2020**, 16, e1008745
- 1 Uptake of exogenous serine is important to maintain sphingolipid homeostasis in *Saccharomyces cerevisiae* **2020**, 16, e1008745