

Nils J Frgeman

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94
papers

8,085
citations

35
h-index

89
g-index

100
ext. papers

9,252
ext. citations

6.4
avg, IF

5.43
L-index

#	Paper	IF	Citations
94	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
93	Quantitative phosphoproteomics applied to the yeast pheromone signaling pathway. <i>Molecular and Cellular Proteomics</i> , 2005 , 4, 310-27	7.6	665
92	Role of long-chain fatty acyl-CoA esters in the regulation of metabolism and in cell signalling. <i>Biochemical Journal</i> , 1997 , 323 (Pt 1), 1-12	3.8	578
91	Sphingolipids: membrane microdomains in brain development, function and neurological diseases. <i>Open Biology</i> , 2017 , 7,	7	135
90	Disruption of the <i>Saccharomyces cerevisiae</i> homologue to the murine fatty acid transport protein impairs uptake and growth on long-chain fatty acids. <i>Journal of Biological Chemistry</i> , 1997 , 272, 8531-8	5.4	131
89	Thermodynamics of ligand binding to acyl-coenzyme A binding protein studied by titration calorimetry. <i>Biochemistry</i> , 1996 , 35, 14118-26	3.2	125
88	The Acyl-CoA synthetases encoded within FAA1 and FAA4 in <i>Saccharomyces cerevisiae</i> function as components of the fatty acid transport system linking import, activation, and intracellular Utilization. <i>Journal of Biological Chemistry</i> , 2001 , 276, 37051-9	5.4	122
87	Depletion of acyl-coenzyme A-binding protein affects sphingolipid synthesis and causes vesicle accumulation and membrane defects in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2001 , 12, 1147-60	3.5	121
86	Role of acylCoA binding protein in acylCoA transport, metabolism and cell signaling. <i>Molecular and Cellular Biochemistry</i> , 1999 , 192, 95-103	4.2	105
85	Long-chain acyl-CoA esters in metabolism and signaling: Role of acyl-CoA binding proteins. <i>Progress in Lipid Research</i> , 2015 , 59, 1-25	14.3	102
84	Regulation of lipid droplet size and phospholipid composition by stearoyl-CoA desaturase. <i>Journal of Lipid Research</i> , 2013 , 54, 2504-14	6.3	93
83	Vectorial acylation in <i>Saccharomyces cerevisiae</i> . Fat1p and fatty acyl-CoA synthetase are interacting components of a fatty acid import complex. <i>Journal of Biological Chemistry</i> , 2003 , 278, 16414-22	5.4	92
82	Analysis of the ligand binding properties of recombinant bovine liver-type fatty acid binding protein. <i>Lipids and Lipid Metabolism</i> , 1995 , 1259, 245-53		86
81	Long-chain acyl-CoA-dependent regulation of gene expression in bacteria, yeast and mammals. <i>Journal of Nutrition</i> , 2000 , 130, 305S-309S	4.1	69
80	A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. <i>Nature Communications</i> , 2018 , 9, 4630	17.4	69
79	Acyl-CoA-binding protein, Acb1p, is required for normal vacuole function and ceramide synthesis in <i>Saccharomyces cerevisiae</i> . <i>Biochemical Journal</i> , 2004 , 380, 907-18	3.8	67
78	Cardiolipin Synthesis in Brown and Beige Fat Mitochondria Is Essential for Systemic Energy Homeostasis. <i>Cell Metabolism</i> , 2018 , 28, 159-174.e11	24.6	67

77	Acyl-CoA binding proteins; structural and functional conservation over 2000 MYA. <i>Molecular and Cellular Biochemistry</i> , 2007 , 299, 55-65	4.2	65
76	Biomarker Research in Parkinson's Disease Using Metabolite Profiling. <i>Metabolites</i> , 2017 , 7,	5.6	63
75	Alpha-synuclein gene ablation increases docosahexaenoic acid incorporation and turnover in brain phospholipids. <i>Journal of Neurochemistry</i> , 2007 , 101, 201-11	6	63
74	Changes in kynurenine pathway metabolism in Parkinson patients with L-DOPA-induced dyskinesia. <i>Journal of Neurochemistry</i> , 2017 , 142, 756-766	6	60
73	Glucose- and nitrogen sensing and regulatory mechanisms in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2014 , 14, 683-96	3.1	59
72	Bioactive components from flowers of <i>Sambucus nigra</i> L. increase glucose uptake in primary porcine myotube cultures and reduce fat accumulation in <i>Caenorhabditis elegans</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 11033-40	5.7	53
71	Disruption of the acyl-CoA-binding protein gene delays hepatic adaptation to metabolic changes at weaning. <i>Journal of Biological Chemistry</i> , 2011 , 286, 3460-72	5.4	49
70	Autophagy in the light of sphingolipid metabolism. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015 , 20, 658-70	5.4	48
69	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
68	Quantitative proteomics by amino acid labeling in <i>C. elegans</i> . <i>Nature Methods</i> , 2011 , 8, 845-7	21.6	45
67	Something worth dyeing for: molecular tools for the dissection of lipid metabolism in <i>Caenorhabditis elegans</i> . <i>FEBS Letters</i> , 2010 , 584, 2183-93	3.8	43
66	Reduced ceramide synthase 2 activity causes progressive myoclonic epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2014 , 1, 88-98	5.3	42
65	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
64	Murine FATP alleviates growth and biochemical deficiencies of yeast fat1Delta strains. <i>FEBS Journal</i> , 2000 , 267, 4422-33		41
63	Expression of ceramide glucosyltransferases, which are essential for glycosphingolipid synthesis, is only required in a small subset of <i>C. elegans</i> cells. <i>Journal of Cell Science</i> , 2009 , 122, 822-33	5.3	38
62	Kinetic imaging of NPC1L1 and sterol trafficking between plasma membrane and recycling endosomes in hepatoma cells. <i>Journal of Lipid Research</i> , 2008 , 49, 2023-37	6.3	38
61	Acyl-CoA binding protein is an essential protein in mammalian cell lines. <i>Biochemical Journal</i> , 2002 , 368, 679-82	3.8	37
60	Role of acylCoA binding protein in acylCoA transport, metabolism and cell signaling. <i>Molecular and Cellular Biochemistry</i> , 1999 , 192, 95-103	4.2	37

59	Exercise-induced molecular mechanisms promoting glycogen supercompensation in human skeletal muscle. <i>Molecular Metabolism</i> , 2018 , 16, 24-34	8.8	32
58	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
57	Tissue- and paralogue-specific functions of acyl-CoA-binding proteins in lipid metabolism in <i>Caenorhabditis elegans</i> . <i>Biochemical Journal</i> , 2011 , 437, 231-41	3.8	32
56	Selective visualization of fluorescent sterols in <i>Caenorhabditis elegans</i> by bleach-rate-based image segmentation. <i>Traffic</i> , 2010 , 11, 440-54	5.7	32
55	MAA-1, a novel acyl-CoA-binding protein involved in endosomal vesicle transport in <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2006 , 17, 4318-29	3.5	32
54	TORC1 inhibits GSK3-mediated Elo2 phosphorylation to regulate very long chain fatty acid synthesis and autophagy. <i>Cell Reports</i> , 2013 , 5, 1036-46	10.6	30
53	Delayed hepatic adaptation to weaning in ACBP ^{-/-} mice is caused by disruption of the epidermal barrier. <i>Cell Reports</i> , 2013 , 5, 1403-12	10.6	29
52	Phosphoproteomic analysis of cells treated with longevity-related autophagy inducers. <i>Cell Cycle</i> , 2012 , 11, 1827-40	4.7	28
51	Metabolic regulation of lifespan from a perspective. <i>Genes and Nutrition</i> , 2019 , 14, 25	4.3	26
50	Regulation of very-long acyl chain ceramide synthesis by acyl-CoA-binding protein. <i>Journal of Biological Chemistry</i> , 2017 , 292, 7588-7597	5.4	25
49	Duplication in the microtubule-actin cross-linking factor 1 gene causes a novel neuromuscular condition. <i>Scientific Reports</i> , 2014 , 4, 5180	4.9	25
48	Ribonuclease-Mediated Control of Body Fat. <i>Developmental Cell</i> , 2016 , 39, 359-369	10.2	22
47	Strength in numbers: "Omics" studies of <i>C. elegans</i> innate immunity. <i>Virulence</i> , 2012 , 3, 477-84	4.7	22
46	Spatiotemporal analysis of endocytosis and membrane distribution of fluorescent sterols in living cells. <i>Histochemistry and Cell Biology</i> , 2008 , 130, 891-908	2.4	22
45	Elimination of the last reactions in ergosterol biosynthesis alters the resistance of <i>Saccharomyces cerevisiae</i> to multiple stresses. <i>FEMS Yeast Research</i> , 2017 , 17,	3.1	20
44	Fluorescently labelled bovine acyl-CoA-binding protein acting as an acyl-CoA sensor: interaction with CoA and acyl-CoA esters and its use in measuring free acyl-CoA esters and non-esterified fatty acids. <i>Biochemical Journal</i> , 2002 , 365, 165-72	3.8	20
43	Metabolic programming determines the lineage-differentiation fate of murine bone marrow stromal progenitor cells. <i>Bone Research</i> , 2019 , 7, 35	13.3	19
42	The Significance of Epidermal Lipid Metabolism in Whole-Body Physiology. <i>Trends in Endocrinology and Metabolism</i> , 2017 , 28, 669-683	8.8	18

41	Chromatic aberration correction and deconvolution for UV sensitive imaging of fluorescent sterols in cytoplasmic lipid droplets. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008 , 73, 727-44	4.6	17
40	Antimicrobial medium- and long-chain free fatty acids prevent PrfA-dependent activation of virulence genes in <i>Listeria monocytogenes</i> . <i>Research in Microbiology</i> , 2017 , 168, 547-557	4	16
39	A Proposal for a Study on Treatment Selection and Lifestyle Recommendations in Chronic Inflammatory Diseases: A Danish Multidisciplinary Collaboration on Prognostic Factors and Personalised Medicine. <i>Nutrients</i> , 2017 , 9,	6.7	16
38	Identification of Novel Genetic Determinants of Erythrocyte Membrane Fatty Acid Composition among Greenlanders. <i>PLoS Genetics</i> , 2016 , 12, e1006119	6	16
37	The ACBP gene family in <i>Rhodnius prolixus</i> : Expression, characterization and function of RpACBP-1. <i>Insect Biochemistry and Molecular Biology</i> , 2016 , 72, 41-52	4.5	16
36	Axon-Dependent Patterning and Maintenance of Somatosensory Dendritic Arbors. <i>Developmental Cell</i> , 2019 , 48, 229-244.e4	10.2	14
35	Acyl-CoA binding protein and epidermal barrier function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 369-76	5	14
34	A method for measuring fatty acid oxidation in <i>C. elegans</i> . <i>Worm</i> , 2012 , 1, 26-30		14
33	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	12
32	Screening for bioactive metabolites in plant extracts modulating glucose uptake and fat accumulation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014 , 2014, 156398	2.3	12
31	HIF-1-dependent regulation of lifespan in by the acyl-CoA-binding protein MAA-1. <i>Aging</i> , 2017 , 9, 1745-1769	3.69	12
30	Long-chain Acyl-CoA is not primarily increased in myotubes established from type 2 diabetic subjects. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006 , 1762, 666-72	6.9	11
29	Impact of red and processed meat and fibre intake on treatment outcomes among patients with chronic inflammatory diseases: protocol for a prospective cohort study of prognostic factors and personalised medicine. <i>BMJ Open</i> , 2018 , 8, e018166	3	11
28	Global mapping of protein phosphorylation events identifies Ste20, Sch9 and the cell-cycle regulatory kinases Cdc28/Pho85 as mediators of fatty acid starvation responses in <i>Saccharomyces cerevisiae</i> . <i>Molecular BioSystems</i> , 2012 , 8, 796-803		9
27	Long chain acyl-CoA esters and acyl-CoA binding protein (ACBP) in cell function. <i>Advances in Molecular and Cell Biology</i> , 2003 , 33, 123-152		9
26	Type III-A CRISPR-associated protein Csm6 degrades cyclic hexa-adenylate activator using both CARF and HEPN domains. <i>Nucleic Acids Research</i> , 2020 , 48, 9204-9217	20.1	9
25	Identification of bioactive metabolites in human iPSC-derived dopaminergic neurons with PARK2 mutation: Altered mitochondrial and energy metabolism. <i>Stem Cell Reports</i> , 2021 , 16, 1510-1526	8	7
24	Lipid molecular timeline profiling reveals diurnal crosstalk between the liver and circulation. <i>Cell Reports</i> , 2021 , 34, 108710	10.6	7

23	Epidermal Acyl-CoA-binding protein is indispensable for systemic energy homeostasis. <i>Molecular Metabolism</i> , 2021 , 44, 101144	8.8	7
22	Compromised epidermal barrier stimulates Harderian gland activity and hypertrophy in ACBP-/- mice. <i>Journal of Lipid Research</i> , 2015 , 56, 1738-46	6.3	5
21	Quantitative proteomics by amino acid labeling identifies novel NHR-49 regulated proteins in <i>C. elegans</i> . <i>Worm</i> , 2012 , 1, 66-71		5
20	Free Fatty Acids Interfere with the DNA Binding Activity of the Virulence Regulator PrfA of <i>Listeria monocytogenes</i> . <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	4
19	Biochemical and Bioimaging Evidence of Cholesterol in Acquired Cholesteatoma. <i>Annals of Otolaryngology and Rhinology</i> , 2016 , 125, 627-33	2.1	4
18	Micro method for determination of nonesterified fatty acid in whole blood obtained by fingertip puncture. <i>Analytical Biochemistry</i> , 2006 , 355, 29-38	3.1	4
17	Patched regulates lipid homeostasis by controlling cellular cholesterol levels. <i>Nature Communications</i> , 2021 , 12, 4898	17.4	4
16	In Vivo Microdialysis of Endogenous and C-labeled TCA Metabolites in Rat Brain: Reversible and Persistent Effects of Mitochondrial Inhibition and Transient Cerebral Ischemia. <i>Metabolites</i> , 2019 , 9,	5.6	3
15	Quantitative proteomics identifies unanticipated regulators of nitrogen- and glucose starvation. <i>Molecular BioSystems</i> , 2014 , 10, 2176-88		3
14	Identification of novel protein functions and signaling mechanisms by genetics and quantitative phosphoproteomics in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2014 , 1188, 107-24	1.4	3
13	Characterising Alzheimer's disease through integrative NMR- and LC-MS-based metabolomics. <i>Metabolism Open</i> , 2021 , 12, 100125	2.8	3
12	Carnitine acetyltransferase: A new player in skeletal muscle insulin resistance?. <i>Biochemistry and Biophysics Reports</i> , 2017 , 9, 47-50	2.2	2
11	Expression of acyl-CoA-binding protein 5 from <i>Rhodnius prolixus</i> and its inhibition by RNA interference. <i>PLoS ONE</i> , 2020 , 15, e0227685	3.7	2
10	Structure, Function, and Phylogeny of Acyl-CoA Binding Protein151-171		2
9	Impaired glucocorticoid receptor expression in liver disrupts feeding-induced gene expression, glucose uptake, and glycogen storage. <i>Cell Reports</i> , 2021 , 37, 109938	10.6	2
8	Ethyl Pyruvate Increases Post-Ischemic Levels of Mitochondrial Energy Metabolites: A C-Labeled Cerebral Microdialysis Study. <i>Metabolites</i> , 2020 , 10,	5.6	2
7	HLH-30-dependent rewiring of metabolism during starvation in <i>C. elegans</i> . <i>Aging Cell</i> , 2021 , 20, e13342	9.9	2
6	<i>C. elegans</i> : A Model for Understanding Lipid Accumulation. <i>Lipid Insights</i> , 2008 , 1, LPI.S1057	1	1

5	A macrophage-hepatocyte glucocorticoid receptor axis coordinates fasting ketogenesis.. <i>Cell Metabolism</i> , 2022 ,	24.6	1
4	HLH-30 dependent rewiring of metabolism during starvation in <i>C. elegans</i>		1
3	Patched regulates lipid homeostasis by controlling cellular cholesterol levels		1
2	From benzodiazepines to fatty acids and beyond: revisiting the role of ACBP/DBI. <i>Trends in Endocrinology and Metabolism</i> , 2021 , 32, 890-903	8.8	1
1	The heterozygous N291S mutation in the lipoprotein lipase gene impairs whole-body insulin sensitivity and affects a distinct set of plasma metabolites in humans. <i>Journal of Clinical Lipidology</i> , 2017 , 11, 515-523.e6	4.9	