Harald S. Hansen

List of Publications by Year
in descending order

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124 papers	8,246 citations	53794 45 h-index	48315 88 g-index
124 all docs	124 docs citations	124 times ranked	7856 citing authors

#	Article	IF	Citations
1	International Union of Basic and Clinical Pharmacology. LXXIX. Cannabinoid Receptors and Their Ligands: Beyond CB₁and CB₂. Pharmacological Reviews, 2010, 62, 588-631.	16.0	1,425
2	The essentiality of long chain n-3 fatty acids in relation to development and function of the brain and retina. Progress in Lipid Research, 2001, 40, 1-94.	11.6	887
3	Influence of dietary fatty acids on endocannabinoid and N-acylethanolamine levels in rat brain, liver and small intestine. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2008, 1781, 200-212.	2.4	281
4	2-Oleoyl Glycerol Is a GPR119 Agonist and Signals GLP-1 Release in Humans. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E1409-E1417.	3.6	238
5	N-Acylethanolamines and precursor phospholipids â€" relation to cell injury. Chemistry and Physics of Lipids, 2000, 108, 135-150.	3.2	214
6	15-Hydroxyprostaglandin dehydrogenase. A review. Prostaglandins, 1976, 12, 647-679.	1.2	206
7	Anandamide, but not 2-arachidonoylglycerol, accumulates during in vivo neurodegeneration. Journal of Neurochemistry, 2001, 78, 1415-1427.	3.9	197
8	Dynamic changes of the endogenous cannabinoid and opioid mesocorticolimbic systems during adolescence: THC effects. European Neuropsychopharmacology, 2008, 18, 826-834.	0.7	185
9	GPR119 as a fat sensor. Trends in Pharmacological Sciences, 2012, 33, 374-381.	8.7	165
10	Essential function of linoleic acid esterified in acylglucosylceramide and acylceramide in maintaining the epidermal water permeability barrier. Evidence from feeding studies with oleate, linoleate, arachidonate, columbinate and Î±-linolenate. Lipids and Lipid Metabolism, 1985, 834, 357-363.	2.6	164
11	Long-term characterization of the diet-induced obese and diet-resistant rat model: a polygenetic rat model mimicking the human obesity syndrome. Journal of Endocrinology, 2010, 206, 287-296.	2.6	141
12	N-acylethanolamines, anandamide and food intake. Biochemical Pharmacology, 2009, 78, 553-560.	4.4	132
13	Palmitoylethanolamide and other anandamide congeners. Proposed role in the diseased brain. Experimental Neurology, 2010, 224, 48-55.	4.1	119
14	Dietary fat decreases intestinal levels of the anorectic lipids through a fat sensor. FASEB Journal, 2011, 25, 765-774.	0.5	114
15	The Endocannabinoid System and Its Relevance for Nutrition. Annual Review of Nutrition, 2010, 30, 423-440.	10.1	113
16	Gastric Bypass Surgery Recruits a Gut PPAR-Î±-Striatal D1R Pathway to Reduce Fat Appetite in Obese Rats. Cell Metabolism, 2017, 25, 335-344.	16.2	108
17	Binding of anandamide to bovine serum albumin. Journal of Lipid Research, 2003, 44, 1790-1794.	4.2	97
18	Gestation length and birth weight in relation to intake of marinen-3 fatty acids. British Journal of Nutrition, 1995, 73, 397-404.	2.3	94

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19	Glutamate stimulates the formation of N-acylphosphatidylethanolamine and N-acylphosphatidylethanolamine in cortical neurons in culture. Lipids and Lipid Metabolism, 1995, 1258, 303-308.	2.6	92
20	Food intake is inhibited by oral oleoylethanolamide. Journal of Lipid Research, 2004, 45, 1027-1029.	4.2	91
21	Gestational age in relation to marine n-3 fatty acids in maternal erythrocytes: A study of women in the Faroe Islands and Denmark. American Journal of Obstetrics and Gynecology, 1991, 164, 1203-1209.	1.3	89
22	Accumulation of the anandamide precursor and other N-acylethanolamine phospholipids in infant rat models of in vivo necrotic and apoptotic neuronal death. Journal of Neurochemistry, 2008, 76, 39-46.	3.9	89
23	Formation of N-Acyl-phosphatidylethanolamines and N-Acylethanolamines. Biochemical Pharmacology, 1998, 55, 719-725.	4.4	86
24	Intestinal levels of anandamide and oleoylethanolamide in food-deprived rats are regulated through their precursors. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 143-150.	2.4	86
25	Changes in brain levels of Nâ€acylethanolamines and 2â€arachidonoylglycerol in focal cerebral ischemia in mice. Journal of Neurochemistry, 2007, 103, 1907-1916.	3.9	86
26	Fluctuations in human milk long-chain PUFA levels in relation to dietary fish intake. Lipids, 2002, 37, 237-244.	1.7	81
27	Characterization of Glutamate-Induced Formation of N-Acylphosphatidylethanolamine and N-Acylethanolamine in Cultured Neocortical Neurons. Journal of Neurochemistry, 2002, 69, 753-761.	3.9	81
28	N-acylation of phosphatidylethanolamine and its biological functions in mammals. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 652-662.	2.4	78
29	GPR119, a Major Enteroendocrine Sensor of Dietary Triglyceride Metabolites Coacting in Synergy With FFA1 (GPR40). Endocrinology, 2016, 157, 4561-4569.	2.8	77
30	Blockade of cannabinoid CB₁ receptor function protects against inâ€fvivo disseminating brain damage following NMDAâ€induced excitotoxicity. Journal of Neurochemistry, 2002, 82, 154-158.	3.9	76
31	N-acylphosphatidylethanolamine-hydrolysing phospholipase D lacks the ability to transphosphatidylate. FEBS Letters, 1999, 455, 41-44.	2.8	74
32	Erythrocyte levels compared with reported dietary intake of marinen-3 fatty acids in pregnant women. British Journal of Nutrition, 1995, 73, 387-395.	2.3	72
33	Putative neuroprotective actions of N-acyl-ethanolamines. , 2002, 95, 119-126.		72
34	Age dependent accumulation of N-acyl-ethanolamine phospholipids in ischemic rat brain: a 31P NMR and enzyme activity study. Journal of Lipid Research, 2000, 41, 985-990.	4.2	71
35	Cell Swelling Activates Phospholipase A 2 in Ehrlich Ascites Tumor Cells. Journal of Membrane Biology, 1997, 160, 47-58.	2.1	70
36	Mass spectrometry imaging of biomarker lipids for phagocytosis and signalling during focal cerebral ischaemia. Scientific Reports, 2016, 6, 39571.	3.3	69

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37	Endocannabinoid metabolism in human glioblastomas and meningiomas compared to human non-tumour brain tissue. Journal of Neurochemistry, 2005, 93, 299-309.	3.9	68
38	Role of anorectic N-acylethanolamines in intestinal physiology and satiety control with respect to dietary fat. Pharmacological Research, 2014, 86, 18-25.	7.1	65
39	Inhibition by indomethacin and aspirin of 15-hydroxy-prostaglandin dehydrogenase. Prostaglandins, 1974, 8, 95-105.	1.2	64
40	The 2-monoacylglycerol moiety of dietary fat appears to be responsible for the fat-induced release of GLP-1 in humans. American Journal of Clinical Nutrition, 2015, 102, 548-555.	4.7	59
41	Determination of the Phospholipid Precursor of Anandamide and Other N-Acylethanolamine Phospholipids Before and After Sodium Azide-Induced Toxicity in Cultured Neocortical Neurons. Journal of Neurochemistry, 2002, 75, 861-871.	3.9	55
42	The Antiparasitic Compound Licochalcone A Is a Potent Echinocytogenic Agent That Modifies the Erythrocyte Membrane in the Concentration Range Where Antiplasmodial Activity Is Observed. Antimicrobial Agents and Chemotherapy, 2004, 48, 4067-4071.	3.2	55
43	Visualization by mass spectrometry of 2â€dimensional changes in rat brain lipids, including N â€acylphosphatidylethanolamines, during neonatal brain ischemia. FASEB Journal, 2012, 26, 2667-2673.	0.5	53
44	Classical endocannabinoidâ€like compounds and their regulation by nutrients. BioFactors, 2014, 40, 363-372.	5.4	53
45	Metformin Stimulates FGF21 Expression in Primary Hepatocytes. Experimental Diabetes Research, 2012, 2012, 1-8.	3.8	50
46	The essential nature of linoleic acid in mammals. Trends in Biochemical Sciences, 1986, 11, 263-265.	7.5	47
47	Accumulation of N-acyl-ethanolamine phospholipids in rat brains during post-decapitative ischemia: a 31P NMR study. Journal of Lipid Research, 1999, 40, 515-521.	4.2	45
48	Urinary prostaglandin E2 and vasopressin excretion in essential fatty acid-deficient rats: Effect of linolenic acid supplementation. Lipids, 1983, 18, 682-690.	1.7	44
49	Formation ofN-acyl-phosphatidylethanolamine andN-acylethanolamine (including anandamide) during glutamate-induced neurotoxicity. Lipids, 1999, 34, S327-S330.	1.7	43
50	Nonâ€endocannabinoid Nâ€acylethanolamines and 2â€monoacylglycerols in the intestine. British Journal of Pharmacology, 2019, 176, 1443-1454.	5.4	42
51	Biased signaling of lipids and allosteric actions of synthetic molecules for GPR119. Biochemical Pharmacology, 2016, 119, 66-75.	4.4	40
52	Essential fatty acid supplemented diet increases renal excretion of prostaglandin E2 and water in essential fatty acid deficient rats. Lipids, 1981, 16, 849-854.	1.7	38
53	Membrane transport of anandamide through resealed human red blood cell membranes. Journal of Lipid Research, 2005, 46, 1652-1659.	4.2	38
54	Ketogenic diet is antiepileptogenic in pentylenetetrazole kindled mice and decrease levels of N-acylethanolamines in hippocampus. Neurochemistry International, 2009, 54, 199-204.	3.8	38

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55	Investigations of the human endocannabinoid system in two subcutaneous adipose tissue depots in lean subjects and in obese subjects before and after weight loss. International Journal of Obesity, 2011, 35, 1377-1384.	3.4	38
56	Iron supplement use among Danish pregnant women. Public Health Nutrition, 2007, 10, 1104-1110.	2.2	37
57	Growth Hormone-Mediated Breakdown of Body Fat: Effects of GH on Lipases in Adipose Tissue and Skeletal Muscle of Old Rats Fed Different Diets. Hormone and Metabolic Research, 2003, 35, 243-250.	1.5	32
58	Apparent in vivo retroconversion of dietary arachidonic to linoleic acid in essential fatty acid-deficient rats. Lipids and Lipid Metabolism, 1986, 878, 284-287.	2.6	31
59	General obstetrics: Fish oil in various doses or flax oil in pregnancy and timing of spontaneous delivery: a randomised controlled trial. BJOG: an International Journal of Obstetrics and Gynaecology, 2006, 113, 536-543.	2.3	31
60	A rapid phospholipase D assay using zirconium precipitation of anionic substrate phospholipids: application to N-acylethanolamine formation in vitro. Journal of Lipid Research, 2000, 41, 1532-1538.	4.2	30
61	New Biological and Clinical Roles for the n-6 and n-3 Fatty Acids. Nutrition Reviews, 2009, 52, 162-167.	5.8	28
62	Effect of the cannabinoid receptor-1 antagonist rimonabant on lipolysis in rats. European Journal of Pharmacology, 2010, 646, 38-45.	3.5	28
63	Electrospray ionization mass spectrometric method for the determination of cannabinoid precursors:N-acylethanolamine phospholipids (NAPEs). Journal of Mass Spectrometry, 1999, 34, 761-767.	1.6	27
64	Substantial species differences in relation to formation and degradation of N-acyl-ethanolamine phospholipids in heart tissue: an enzyme activity study. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 131, 475-482.	1.6	27
65	Didecanoyl phosphatidylcholine is a superior substrate for assaying mammalian phospholipase D. Biochemical Journal, 1996, 319, 861-864.	3.7	26
66	Purification and characterization of a 15-ketoprostaglandin Î´13-reductase from bovine lung. Lipids and Lipid Metabolism, 1979, 574, 136-145.	2.6	25
67	Effect of Diet on Tissue Levels of Palmitoylethanolamide. CNS and Neurological Disorders - Drug Targets, 2013, 12, 17-25.	1.4	23
68	Phorbol ester and vasopressin activate phospholipase D in leydig cells. Molecular and Cellular Endocrinology, 1991, 79, 157-165.	3.2	22
69	Brain levels of N-acylethanolamine phospholipids in mice during pentylenetetrazol-induced seizure. Lipids, 2003, 38, 387-390.	1.7	22
70	Pitfalls in the sample preparation and analysis of N-acylethanolamines. Journal of Lipid Research, 2010, 51, 3062-3073.	4.2	22
71	Studies on the anorectic effect of N-acylphosphatidylethanolamine and phosphatidylethanolamine in mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 508-512.	2.4	22
72	Effect of synthetic and natural phospholipids on N-acylphosphatidylethanolamine-hydrolyzing phospholipase D activity. Chemistry and Physics of Lipids, 2009, 162, 53-61.	3.2	21

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73	Synergism between thapsigargin and the phorbol ester 12-O-tetradecanoylphorbol 13-acetate on the release of [14C]arachidonic acid and histamine from rat peritoneal mast cells. Biochemical Pharmacology, 1987, 36, 621-626.	4.4	20
74	Biosynthesis of endocannabinoids and their modes of action in neurodegenerative diseases. Neurotoxicity Research, 2003, 5, 183-199.	2.7	19
75	Displaced dualâ€mode imaging with desorption electrospray ionization for simultaneous mass spectrometry imaging in both polarities and with several scan modes. Journal of Mass Spectrometry, 2013, 48, 361-366.	1.6	19
76	Metabolism of prostaglandin E1 and of glutathione conjugate of prostaglandin A1 (GSH-prostaglandin) Tj ETQq0 0 0 rgBT /Overlock 10	2.6	18
77	Extremely decreased release of prostaglandin E2-like activity from chopped lung of ethyl linolenate-supplemented rats. Lipids, 1983, 18, 691-695.	1.7	18
78	Inhibition of fatty acid synthesis in rat hepatocytes by exogenous polyunsaturated fatty acids is caused by lipid peroxidation. Lipids and Lipid Metabolism, 1993, 1166, 99-104.	2.6	18
79	Arf and RhoA Regulate Both the Cytosolic and the Membrane-bound Phospholipase D from Human Placenta. Cellular Signalling, 1997, 9, 189-196.	3.6	18
80	Effect of an unstirred layer on the membrane permeability of anandamide. Journal of Lipid Research, 2006, 47, 561-570.	4.2	18
81	Characterization and partial purification of phospholipase D from human placenta. Lipids and Lipid Metabolism, 1995, 1258, 169-176.	2.6	17
82	In vivo and in vitro microdialysis sampling of free fatty acids. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 1751-1756.	2.8	17
83	Sensing of triacylglycerol in the gut: different mechanisms for fatty acids and 2â€monoacylglycerol. Journal of Physiology, 2015, 593, 2097-2109.	2.9	17
84	Cryoâ€sectioning of mice for wholeâ€body imaging of drugs and metabolites with desorption electrospray ionization mass spectrometry imaging â€•a simplified approach. Proteomics, 2016, 16, 1633-1641.	2.2	16
85	N-acyl phosphatidylethanolamines affect the lateral distribution of cholesterol in membranes. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1715, 49-56.	2.6	15
86	Dietary Non-Esterified Oleic Acid Decreases the Jejunal Levels of Anorectic N-Acylethanolamines. PLoS ONE, 2014, 9, e100365.	2.5	15
87	Intrapulmonary (i.pulmon.) Pull Immunization With the Tuberculosis Subunit Vaccine Candidate H56/CAF01 After Intramuscular (i.m.) Priming Elicits a Distinct Innate Myeloid Response and Activation of Antigen-Presenting Cells Than i.m. or i.pulmon. Prime Immunization Alone. Frontiers in Immunology, 2020, 11, 803.	4.8	15
88	Cytoprotective effect of tocopherols in hepatocytes cultured with polyunsaturated fatty acids. Lipids, 1994, 29, 369-372.	1.7	14
89	Time dependent effects of two absorption enhancers on the nasal absorption of growth hormone in rabbits. International Journal of Pharmaceutics, 1996, 128, 239-250.	5.2	14
90	Inhibition by amiloride and by Na+-depletion of A23187-stimulated arachidonic acid and histamine release from rat mast cells. FEBS Letters, 1988, 240, 167-170.	2.8	13

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91	The autocrine role of FGF21 in cultured adipocytes. Biochemical Journal, 2020, 477, 2477-2487.	3.7	13
92	Elimination of low steady-state concentrations of [5,6-3H2]prostaglandin E1 in the pulmonary and the systemic circulations of anaesthetized rats. Lipids and Lipid Metabolism, 1977, 489, 403-414.	2.6	12
93	Agents that increase phosphatidic acid inhibit the LH-induced testosterone production. Molecular and Cellular Endocrinology, 1994, 104, 229-235.	3.2	12
94	Increased lipids in non-lipogenic tissues are indicators of the severity of type 2 diabetes in mice. Prostaglandins Leukotrienes and Essential Fatty Acids, 2007, 76, 9-18.	2.2	12
95	Glutathione-prostaglandin A1 conjugate as substrate in the purification of prostaglandin 9-ketoreductase from rabbit kidney. Prostaglandins, 1980, 20, 735-746.	1.2	11
96	Evaluation of the immediate vascular stability of lipoprotein lipaseâ€generated 2â€monoacylglycerol in mice. BioFactors, 2014, 40, 596-602.	5.4	11
97	Vagal afferent cholecystokinin receptor activation is required for glucagonâ€like peptideâ€1â€“induced satiation. Diabetes, Obesity and Metabolism, 2022, 24, 268-280.	4.4	11
98	15-hydroxyprostaglandin dehydrogenase activity in vitro in lung and kidney of essential fatty acid-deficient rats. Lipids and Lipid Metabolism, 1978, 529, 230-236.	2.6	10
99	[26] Purification and assay of 15-ketoprostaglandin Î”13-reductase from bovine lung. Methods in Enzymology, 1982, 86, 156-163.	1.0	10
100	Essential fatty acid-supplemented diet decreases renal excretion of immunoreactive arginine-vasopressin in essential fatty acid-deficient rats. Lipids, 1982, 17, 321-322.	1.7	10
101	Comparing olive oil and C4-dietary oil, a prodrug for the GPR119 agonist, 2-oleoyl glycerol, less energy intake of the latter is needed to stimulate incretin hormone secretion in overweight subjects with type 2 diabetes. Nutrition and Diabetes, 2018, 8, 2.	3.2	10
102	Differential Phospholipid-Labeling Suggests Two Subtypes of Phospholipase D in Rat Leydig Cells. Biochemical and Biophysical Research Communications, 1995, 217, 747-754.	2.1	9
103	In vitro and in vivo aspects of N-acyl-phosphatidylethanolamine-containing liposomes. International Journal of Pharmaceutics, 2003, 254, 49-53.	5.2	9
104	Endocannabinoids. European Journal of Lipid Science and Technology, 2006, 108, 877-889.	1.5	9
105	The Effect of a Single Oral Dose of Ethyl Linoleate on Urinary Prostaglandin E2 Excretion in Essential Fatty Acid-Deficient Rats. Journal of Nutrition, 1985, 115, 39-44.	2.9	8
106	The subcellular localization of phospholipase D activities in rat Leydig cells. Molecular and Cellular Endocrinology, 1999, 152, 99-110.	3.2	8
107	Delivery of amitriptyline by intravenous and intraperitoneal administration compared in the same animal by whole-body mass spectrometry imaging of a stable isotope labelled drug substance in mice. Expert Opinion on Drug Delivery, 2018, 15, 1157-1163.	5.0	8
108	Arginine vasopressin stimulates phosphoinositide turnover in an enriched rat Leydig cell preparation. Molecular and Cellular Endocrinology, 1989, 61, 181-188.	3.2	7

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109	Intestinal sensing and handling of dietary lipids in gastric bypassâ€“operated patients and matched controls. American Journal of Clinical Nutrition, 2020, 111, 28-41.	4.7	7
110	Which of the nâˆ’3 FA should be called essential?. Lipids, 2003, 38, 889-891.	1.7	6
111	The effect of dietary fish oil-supplementation to healthy young men on oxidative burst measured by whole blood chemiluminescence. British Journal of Nutrition, 2008, 99, 1230-1238.	2.3	6
112	Linoleic acid as a precursor for acylation of transducin, a retinol G protein?. Trends in Biochemical Sciences, 1993, 18, 164.	7.5	5
113	Separation of prostaglandin metabolites on sephadex LH 20 columns. Prostaglandins, 1978, 16, 311-318.	1.2	4
114	Increased concentration of vasopressin in plasma of essential fatty acid-deficient rats. Nutrition Research, 1985, 5, 395-403.	2.9	4
115	Arginine-vasopressin stimulates the formation of phosphatidic acid in rat Leydig cells. FEBS Letters, 1987, 218, 93-96.	2.8	4
116	The Potential of the Essential Fatty Acid-Deficient Hairless Rat as a Psoriasis Screening Model for Topical Anti-Proliferative Drugs. Skin Pharmacology and Physiology, 2002, 15, 401-413.	2.5	4
117	Post-oral fat-induced satiation is mediated by endogenous CCK and GLP-1 in a fat self-administration mouse model. Physiology and Behavior, 2021, 234, 113315.	2.1	4
118	Lipopolysaccharide-induced pulmonary inflammation is not accompanied by a release of anandamide into the lavage fluid or a down-regulation of the activity of fatty acid amide hydrolase. Life Sciences, 2004, 76, 461-472.	4.3	3
119	Non-endocannabinoid N-Acylethanolamines and Monoacylglycerols: Old Molecules New Targets. , 2015, , 1-13.		3
120	Urinary Excretion of Arginine-Vasopressin and Prostaglandin E2 in Essential Fatty Acid-Deficient Rats after Oral Supplementation with Unsaturated Fatty Acid Esters. Journal of Nutrition, 1986, 116, 198-203.	2.9	2
121	Linoleic Acid and Epidermal Water Barrier. , 1989, , 333-341.		2
122	Comment on: Harte et al. High Fat Intake Leads to Acute Postprandial Exposure to Circulating Endotoxin in Type 2 Diabetic Subjects. Diabetes Care 2012;35:375â€“382. Diabetes Care, 2013, 36, e42-e42.	8.6	1
123	Essentiality of n-6 fatty acids. Journal of Biological Chemistry, 2019, 294, 6692.	3.4	1
124	Urinary prostaglandin E2 excretion in EFA-deficient rats after ten days supplementation of ethyl arachidonate, ethyl linoleate, ethyl oleate and methyl columbinate. Progress in Lipid Research, 1986, 25, 693.	11.6	0