

Hiroki Nakanishi

List of Publications by Year in descending order

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71
papers

6,799
citations

117625

34
h-index

98798

67
g-index

71
all docs

71
docs citations

71
times ranked

10267
citing authors

#	ARTICLE	IF	CITATIONS
1	FADS2-dependent fatty acid desaturation dictates cellular sensitivity to ferroptosis and permissiveness for hepatitis C virus replication. <i>Cell Chemical Biology</i> , 2022, 29, 799-810.e4.	5.2	51
2	PI4P/PS countertransport by ORP10 at ERâ€“endosome membrane contact sites regulates endosome fission. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	33
3	A mass spectrometric method for in-depth profiling of phosphoinositide regioisomers and their disease-associated regulation. <i>Nature Communications</i> , 2022, 13, 83.	12.8	20
4	Comparative Evaluation of Plasma Metabolomic Data from Multiple Laboratories. <i>Metabolites</i> , 2022, 12, 135.	2.9	1
5	Production of Hydroxy Fatty Acids, Precursors of Î³-Hexalactone, Contributes to the Characteristic Sweet Aroma of Beef. <i>Metabolites</i> , 2022, 12, 332.	2.9	6
6	Plasma membrane phosphatidylinositol (4,5)-bisphosphate is critical for determination of epithelial characteristics. <i>Nature Communications</i> , 2022, 13, 2347.	12.8	9
7	Comprehensive Analysis of Lipid Composition in Human Foremilk and Hindmilk. <i>Journal of Oleo Science</i> , 2022, 71, 947-957.	1.4	8
8	Practical Guide for Lipidomics. <i>OleoScience</i> , 2021, 21, 329-335.	0.0	0
9	Altering phosphoinositides in high-fat diet-associated prostate tumor xenograft growth. <i>MedComm</i> , 2021, 2, 756-764.	7.2	3
10	Analysis of Fatty Acid Esters of Hydroxyl Fatty Acid in Nut Oils and Other Plant Oils. <i>Journal of Oleo Science</i> , 2021, 70, 1707-1717.	1.4	8
11	Fatty Acid Synthesis Is Indispensable for Survival of Human Pluripotent Stem Cells. <i>IScience</i> , 2020, 23, 101535.	4.1	47
12	Microglia-released leukotriene B4 promotes neutrophil infiltration and microglial activation following intracerebral hemorrhage. <i>International Immunopharmacology</i> , 2020, 85, 106678.	3.8	24
13	Inter-Laboratory Comparison of Metabolite Measurements for Metabolomics Data Integration. <i>Metabolites</i> , 2019, 9, 257.	2.9	34
14	Increased fatty acyl saturation of phosphatidylinositol phosphates in prostate cancer progression. <i>Scientific Reports</i> , 2019, 9, 13257.	3.3	18
15	Sirt1 counteracts decrease in membrane phospholipid unsaturation and diastolic dysfunction during saturated fatty acid overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 133, 1-11.	1.9	12
16	Lysophosphatidylinositolâ€“acyltransferaseâ€“1 is involved in cytosolic Ca ²⁺ oscillations in macrophages. <i>Genes To Cells</i> , 2019, 24, 366-376.	1.2	6
17	Basal expression of interferon regulatory factor 1 drives intrinsic hepatocyte resistance to multiple RNA viruses. <i>Nature Microbiology</i> , 2019, 4, 1096-1104.	13.3	69
18	Polarized PtdIns(4,5)P ₂ distribution mediated by a voltage-sensing phosphatase (VSP) regulates sperm motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26020-26028.	7.1	17

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19	Metabolic Determinants of Sensitivity to Phosphatidylinositol 3-Kinase Pathway Inhibitor in Small-Cell Lung Carcinoma. <i>Cancer Research</i> , 2018, 78, 2179-2190.	0.9	33
20	TMEM55a localizes to macrophage phagosomes to down-regulate phagocytosis. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	20
21	The effect and possible clinical efficacy of <i>in vivo</i> inhibition of neutrophil extracellular traps by blockade of PI3K-gamma on the pathogenesis of microscopic polyangiitis. <i>Modern Rheumatology</i> , 2018, 28, 530-541.	1.8	14
22	Decrease in membrane phospholipids unsaturation correlates with myocardial diastolic dysfunction. <i>PLoS ONE</i> , 2018, 13, e0208396.	2.5	22
23	Loss of DDHD2, whose mutation causes spastic paraplegia, promotes reactive oxygen species generation and apoptosis. <i>Cell Death and Disease</i> , 2018, 9, 797.	6.3	24
24	Docosahexaenoic acid preserves visual function by maintaining correct disc morphology in retinal photoreceptor cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 12054-12064.	3.4	113
25	Lysophosphatidic acid acyltransferase 3 tunes the membrane status of germ cells by incorporating docosahexaenoic acid during spermatogenesis. <i>Journal of Biological Chemistry</i> , 2017, 292, 12065-12076.	3.4	53
26	Decreased 16:0/20:4-phosphatidylinositol level in the post-mortem prefrontal cortex of elderly patients with schizophrenia. <i>Scientific Reports</i> , 2017, 7, 45050.	3.3	19
27	PTEN Regulates PI(3,4)P2 Signaling Downstream of Class I PI3K. <i>Molecular Cell</i> , 2017, 68, 566-580.e10.	9.7	149
28	Vps34 regulates myofibril proteostasis to prevent hypertrophic cardiomyopathy. <i>JCI Insight</i> , 2017, 2, e89462.	5.0	19
29	Histone deacetylase inhibitors inhibit metastasis by restoring a tumor suppressive microRNA-150 in advanced cutaneous T-cell lymphoma. <i>Oncotarget</i> , 2017, 8, 7572-7585.	1.8	27
30	INPP4B Is a PtdIns(3,4,5)P3 Phosphatase That Can Act as a Tumor Suppressor. <i>Cancer Discovery</i> , 2015, 5, 730-739.	9.4	72
31	The role of group IIF-secreted phospholipase A2 in epidermal homeostasis and hyperplasia. <i>Journal of Experimental Medicine</i> , 2015, 212, 1901-1919.	8.5	84
32	The role of group IIF-secreted phospholipase A2 in epidermal homeostasis and hyperplasia. <i>Journal of Cell Biology</i> , 2015, 211, 2111OIA227.	5.2	0
33	Phosphatidic Acid (PA)-preferring Phospholipase A1 Regulates Mitochondrial Dynamics. <i>Journal of Biological Chemistry</i> , 2014, 289, 11497-11511.	3.4	110
34	Very-long-chain polyunsaturated fatty acids accumulate in phosphatidylcholine of fibroblasts from patients with Zellweger syndrome and acyl-CoA oxidase1 deficiency. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 610-619.	2.4	46
35	Lipidomic analysis of brain tissues and plasma in a mouse model expressing mutated human amyloid precursor protein/tau for Alzheimer's disease. <i>Lipids in Health and Disease</i> , 2013, 12, 68.	3.0	120
36	Molecular Species of Phospholipids with Very Long Chain Fatty Acids in Skin Fibroblasts of Zellweger Syndrome. <i>Lipids</i> , 2013, 48, 1253-1267.	1.7	20

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37	Novel Regulation of Cardiac Metabolism and Homeostasis by the Adrenomedullin-Receptor Activity-Modifying Protein 2 System. <i>Hypertension</i> , 2013, 61, 341-351.	2.7	21
38	Global metabolomic analysis of heart tissue in a hamster model for dilated cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 59, 76-85.	1.9	60
39	The Lipid Mediator Protectin D1 Inhibits Influenza Virus Replication and Improves Severe Influenza. <i>Cell</i> , 2013, 153, 112-125.	28.9	399
40	Lymphoid tissue phospholipase A2 group IID resolves contact hypersensitivity by driving antiinflammatory lipid mediators. <i>Journal of Experimental Medicine</i> , 2013, 210, 1217-1234.	8.5	119
41	LYCAT, a homologue of <i>C. elegans</i> <i>acl-8</i> , <i>acl-9</i> , and <i>acl-10</i> , determines the fatty acid composition of phosphatidylinositol in mice. <i>Journal of Lipid Research</i> , 2012, 53, 335-347.	4.2	61
42	Identification and Structure Determination of Novel Anti-inflammatory Mediator Resolvin E3, 17,18-Dihydroxyeicosapentaenoic Acid. <i>Journal of Biological Chemistry</i> , 2012, 287, 10525-10534.	3.4	196
43	Lipidomics for Elucidation of Metabolic Syndrome and Related Lipid Metabolic Disorder. , 2012, , 233-250.		1
44	Increase of oxidant-related triglycerides and phosphatidylcholines in serum and small intestinal mucosa during development of intestinal polyp formation in Min mice. <i>Cancer Science</i> , 2011, 102, 79-87.	3.9	35
45	p125/Sec23-interacting protein (Sec23ip) is required for spermiogenesis. <i>FEBS Letters</i> , 2011, 585, 2171-2176.	2.8	23
46	Salamander retina phospholipids and their localization by MALDI imaging mass spectrometry at cellular size resolution. <i>Journal of Lipid Research</i> , 2011, 52, 463-470.	4.2	36
47	Eosinophils promote resolution of acute peritonitis by producing proresolving mediators in mice. <i>FASEB Journal</i> , 2011, 25, 561-568.	0.5	140
48	Hair Follicular Expression and Function of Group X Secreted Phospholipase A2 in Mouse Skin. <i>Journal of Biological Chemistry</i> , 2011, 286, 11616-11631.	3.4	34
49	MassBank: a public repository for sharing mass spectral data for life sciences. <i>Journal of Mass Spectrometry</i> , 2010, 45, 703-714.	1.6	1,831
50	Separation and quantification of sn-1 and sn-2 fatty acid positional isomers in phosphatidylcholine by RPLC-ESIMS/MS. <i>Journal of Biochemistry</i> , 2010, 147, 245-256.	1.7	80
51	The Anti-Inflammatory and Proresolving Mediator Resolvin E1 Protects Mice from Bacterial Pneumonia and Acute Lung Injury. <i>Journal of Immunology</i> , 2010, 184, 836-843.	0.8	204
52	Group III secreted phospholipase A2 regulates epididymal sperm maturation and fertility in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 1400-1414.	8.2	100
53	Essential role of the TRIC-B channel in Ca ²⁺ handling of alveolar epithelial cells and in perinatal lung maturation. <i>Development (Cambridge)</i> , 2009, 136, 2355-2361.	2.5	60
54	Identification and Characterization of a Novel Lysophosphatidic Acid Receptor, p2y5/LPA6. <i>Journal of Biological Chemistry</i> , 2009, 284, 17731-17741.	3.4	225

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55	Metabolic Remodeling Induced by Mitochondrial Aldehyde Stress Stimulates Tolerance to Oxidative Stress in the Heart. <i>Circulation Research</i> , 2009, 105, 1118-1127.	4.5	129
56	Analysis of oxidized phosphatidylcholines as markers for oxidative stress, using multiple reaction monitoring with theoretically expanded data sets with reversed-phase liquid chromatography/tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1366-1374.	2.3	55
57	Qualitative and Quantitative Analyses of Phospholipids by LC-MS for Lipidomics. <i>Methods in Molecular Biology</i> , 2009, 579, 287-313.	0.9	33
58	Visualization of the cell-selective distribution of PUFA-containing phosphatidylcholines in mouse brain by imaging mass spectrometry. <i>Journal of Lipid Research</i> , 2009, 50, 1776-1788.	4.2	180
59	Glucocorticoid protects rodent hearts from ischemia/reperfusion injury by activating lipocalin-type prostaglandin D synthase-derived PGD2 biosynthesis. <i>Journal of Clinical Investigation</i> , 2009, 119, 1477-1488.	8.2	99
60	Matrix-assisted laser desorption/ionization quadrupole ion trap time-of-flight (MALDI-QIT-TOF)-based imaging mass spectrometry reveals a layered distribution of phospholipid molecular species in the mouse retina. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3415-3426.	1.5	119
61	Incorporation and remodeling of extracellular phosphatidylcholine with short acyl residues in <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 391-399.	2.4	30
62	Discovery of a lysophospholipid acyltransferase family essential for membrane asymmetry and diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2830-2835.	7.1	265
63	Change in the Membranous Lipid Composition Accelerates Lipid Peroxidation in Young Rat Hearts Subjected to 2 Weeks of Hypoxia Followed by Hyperoxia. <i>Circulation Journal</i> , 2008, 72, 1359-1366.	1.6	17
64	A Single Enzyme Catalyzes Both Platelet-activating Factor Production and Membrane Biogenesis of Inflammatory Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 6532-6539.	3.4	214
65	Topology of acyltransferase motifs and substrate specificity and accessibility in 1-acyl-sn-glycero-3-phosphate acyltransferase 1. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007, 1771, 1202-1215.	2.4	75
66	Arachidonic acid can function as a signaling modulator by activating the TRPM5 cation channel in taste receptor cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 1078-1084.	2.4	57
67	Cloning and Characterization of Mouse Lung-type Acyl-CoA:Lysophosphatidylcholine Acyltransferase 1 (LPCAT1). <i>Journal of Biological Chemistry</i> , 2006, 281, 20140-20147.	3.4	204
68	Focused lipidomics by tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 823, 26-36.	2.3	207
69	Roles of C-Terminal Processing, and Involvement in Transacylation Reaction of Human Group IVC Phospholipase A2 (cPLA2 β). <i>Journal of Biochemistry</i> , 2005, 137, 557-567.	1.7	32
70	Rapid and selective identification of molecular species in phosphatidylcholine and sphingomyelin by conditional neutral loss scanning and MS3. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 3123-3130.	1.5	126
71	Reverse Reaction of Lysophosphatidylinositol Acyltransferase. <i>Journal of Biological Chemistry</i> , 2003, 278, 30382-30393.	3.4	21