Atsushi Yamashita

List of Publications by Year
in descending order

74	5,515	172386	82499
papers	citations	29 h-index	72 g-index

76	76	76	5539
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	2-Arachidonoylgylcerol: A Possible Endogenous Cannabinoid Receptor Ligand in Brain. Biochemical and Biophysical Research Communications, 1995, 215, 89-97.	1.0	1,977
2	Identification of GPR55 as a lysophosphatidylinositol receptor. Biochemical and Biophysical Research Communications, 2007, 362, 928-934.	1.0	393
3	Acyltransferases and Transacylases Involved in Fatty Acid Remodeling of Phospholipids and Metabolism of Bioactive Lipids in Mammalian Cells. Journal of Biochemistry, 1997, 122, 1-16.	0.9	253
4	Acyltransferases and transacylases that determine the fatty acid composition of glycerolipids and the metabolism of bioactive lipid mediators in mammalian cells and model organisms. Progress in Lipid Research, 2014, 53, 18-81.	5.3	203
5	Enzymatic Synthesis of Anandamide, an Endogenous Cannabinoid Receptor Ligand, through N-Acylphosphatidylethanolamine Pathway in Testis: Involvement of Ca2+-Dependent Transacylase and Phosphodiesterase Activities. Biochemical and Biophysical Research Communications, 1996, 218, 113-117.	1.0	200
6	Transacylaseâ€Mediated and Phosphodiesteraseâ€Mediated Synthesis of Nâ€Arachidonoylethanolamine, an Endogenous Cannabinoidâ€Receptor Ligand, in Rat Brain Microsomes. FEBS Journal, 1996, 240, 53-62.	0.2	196
7	Alteration of Fatty-Acid-Metabolizing Enzymes Affects Mitochondrial Form and Function in Hereditary Spastic Paraplegia. American Journal of Human Genetics, 2012, 91, 1051-1064.	2.6	179
8	2-Arachidonoylglycerol, a Putative Endogenous Cannabinoid Receptor Ligand, Induces Rapid, Transient Elevation of Intracellular Free Ca2+in Neuroblastoma Ã— Glioma Hybrid NG108-15 Cells. Biochemical and Biophysical Research Communications, 1996, 229, 58-64.	1.0	164
9	2-Arachidonoyl-sn-glycero-3-phosphoinositol: A Possible Natural Ligand for GPR55. Journal of Biochemistry, 2008, 145, 13-20.	0.9	162
10	Involvement of ACSL in local synthesis of neutral lipids in cytoplasmic lipid droplets in human hepatocyte HuH7. Journal of Lipid Research, 2007, 48, 1280-1292.	2.0	138
11	GPR35 is a novel lysophosphatidic acid receptor. Biochemical and Biophysical Research Communications, 2010, 395, 232-237.	1.0	115
12	Antitumour effect of polyoxomolybdates: induction of apoptotic cell death and autophagy in in vitro and in vivo models. British Journal of Cancer, 2008, 98, 399-409.	2.9	102
13	Glycerophosphate/Acylglycerophosphate Acyltransferases. Biology, 2014, 3, 801-830.	1.3	101
14	Lysophosphatidylinositol induces rapid phosphorylation of p38 mitogen-activated protein kinase and activating transcription factor 2 in HEK293 cells expressing GPR55 and IM-9 lymphoblastoid cells. Journal of Biochemistry, 2010, 147, 671-678.	0.9	86
15	Characterization of the 70-kDa Peroxisomal Membrane Protein, an ATP Binding Cassette Transporter. Journal of Biological Chemistry, 1999, 274, 11968-11976.	1.6	82
16	Topology of acyltransferase motifs and substrate specificity and accessibility in 1-acyl-sn-glycero-3-phosphate acyltransferase 1. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 1202-1215.	1.2	75
17	Inhibition by 2-Arachidonoylglycerol, a Novel Type of Possible Neuromodulator, of the Depolarization-Induced Increase in Intracellular Free Calcium in Neuroblastoma Ã— Glioma Hybrid NG108-15 Cells. Biochemical and Biophysical Research Communications, 1997, 233, 207-210.	1.0	66
18	The actions and metabolism of lysophosphatidylinositol, an endogenous agonist for GPR55. Prostaglandins and Other Lipid Mediators, 2013, 107, 103-116.	1.0	64

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19	Isolation of inhibitors of adenylate cyclase from dan-shen, the root of Salvia miltiorrhiza.. Chemical and Pharmaceutical Bulletin, 1989, 37, 1287-1290.	0.6	58
20	Generation of lysophosphatidylinositol by DDHD domain containing 1 (DDHD1): Possible involvement of phospholipase D/phosphatidic acid in the activation of DDHD1. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 711-720.	1.2	57
21	Peroxisomal Membrane Protein Pmp47 Is Essential in the Metabolism of Middle-chain Fatty Acid in Yeast Peroxisomes and Is Associated with Peroxisome Proliferation. Journal of Biological Chemistry, 2000, 275, 3455-3461.	1.6	44
22	Functional characterization of Rat Plasma Membrane Monoamine Transporter in the Bloodâ€“Brain and Bloodâ€“Cerebrospinal Fluid Barriers. Journal of Pharmaceutical Sciences, 2011, 100, 3924-3938.	1.6	41
23	Acyl-CoA binding and acylation of UDP-glucuronosyltransferase isoforms of rat liver: their effect on enzyme activity. Biochemical Journal, 1995, 312, 301-308.	1.7	39
24	Subcellular localization and lysophospholipase/transacylation activities of human group IVC phospholipase A2 (cPLA2Î³). Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 1011-1022.	1.2	36
25	Forskolin stabilizes a functionally coupled state between activated guanine nucleotide-binding stimulatory regulatory protein, Ns, and catalytic protein of adenylate cyclase system in rat erythrocytes. Biochemical and Biophysical Research Communications, 1986, 137, 190-194.	1.0	34
26	Decreased d-glucose transport across renal brush-border membrane vesicles from streptozotocin-induced diabetic rats. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1021, 114-118.	1.4	34
27	Coenzyme A-dependent cleavage of membrane phospholipids in several rat tissues: ATP-independent acyl-CoA synthesis and the generation of lysophospholipids. Lipids and Lipid Metabolism, 1995, 1255, 167-176.	2.6	32
28	Roles of C-Terminal Processing, and Involvement in Transacylation Reaction of Human Group IVC Phospholipase A2 (cPLA2Î³). Journal of Biochemistry, 2005, 137, 557-567.	0.9	32
29	ATP-independent Fatty Acyl-Coenzyme A Synthesis from Phospholipid. Journal of Biological Chemistry, 2001, 276, 26745-26752.	1.6	29
30	Coenzyme-A-Independent Transacylation System; Possible Involvement of Phospholipase A2 in Transacylation. Biology, 2017, 6, 23.	1.3	28
31	Sphingomyelin Synthase 2, but Not Sphingomyelin Synthase 1, Is Involved in HIV-1 Envelope-mediated Membrane Fusion. Journal of Biological Chemistry, 2014, 289, 30842-30856.	1.6	26
32	(2S,2â€²R)-Analogue of LG190178 is a major active isomer. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 120-123.	1.0	25
33	Complex formation of sphingomyelin synthase 1 with glucosylceramide synthase increases sphingomyelin and decreases glucosylceramide levels. Journal of Biological Chemistry, 2018, 293, 17505-17522.	1.6	25
34	Transcriptional Regulation of Acyl-CoA:Glycerol-sn-3-Phosphate Acyltransferases. International Journal of Molecular Sciences, 2019, 20, 964.	1.8	25
35	Phorbol ester regulates stimulatory and inhibitory pathways of the hormone-sensitive adenylate cyclase system in rat reticulocytes. European Journal of Pharmacology, 1988, 151, 167-175.	1.7	21
36	Reverse Reaction of Lysophosphatidylinositol Acyltransferase. Journal of Biological Chemistry, 2003, 278, 30382-30393.	1.6	21

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37	Induction of desensitization by phorbol ester to Î²-adrenergic agonist stimulation in adenylate cyclase system of rat reticulocytes. Biochemical and Biophysical Research Communications, 1986, 138, 125-130.	1.0	20
38	N-Arachidonoylethanolamine (anandamide), an endogenous cannabinoid receptor ligand, and related lipid molecules in the nervous tissues. Journal of Lipid Mediators and Cell Signalling, 1996, 14, 51-56.	1.0	20
39	Coenzyme A-dependent modification of fatty acyl chains of rat liver membrane phospholipids: possible involvement of ATP-independent acyl-CoA synthesis.. Journal of Lipid Research, 1995, 36, 440-450.	2.0	19
40	Involvement of PlsX and the acyl-phosphate dependent sn-glycerol-3-phosphate acyltransferase PlsY in the initial stage of glycerolipid synthesis in Bacillus subtilis. Genes and Genetic Systems, 2008, 83, 433-442.	0.2	17
41	Diacylglycerol kinase Î´ and sphingomyelin synthaseâ€“related protein functionally interact via their sterile Î± motif domains. Journal of Biological Chemistry, 2020, 295, 2932-2947.	1.6	17
42	Inhibition of rat brain adenylate cyclase activity by benzodiazepine through the effects on Gi and catalytic proteins. Life Sciences, 1988, 42, 469-475.	2.0	16
43	Enzymatic synthesis of oleamide (cisâ€9,10â€octadecenoamide), an endogenous sleepâ€inducing lipid, by rat brain microsomes. IUBMB Life, 1996, 40, 931-938.	1.5	16
44	The 2Î±-(3-hydroxypropyl) group as an active motif in vitamin D3 analogues as agonists of the mutant vitamin D receptor (Arg274Leu). Bioorganic and Medicinal Chemistry, 2008, 16, 3002-3024.	1.4	16
45	Acyl-CoA thioesterase activity of peroxisomal ABC protein ABCD1 is required for the transport of very long-chain acyl-CoA into peroxisomes. Scientific Reports, 2021, 11, 2192.	1.6	16
46	Induction of coenzyme A-dependent transacylation activity in rat liver microsomes by administration of clofibrate. Lipids and Lipid Metabolism, 1994, 1211, 263-269.	2.6	15
47	Inhibition of UDP-glucuronosyltransferase activity by fatty acyl-CoA. Biochemical Pharmacology, 1997, 53, 561-570.	2.0	15
48	Novel Lysophospholipid Acyltransferase PLAT1 of Aurantiochytrium limacinum F26-b Responsible for Generation of Palmitate-Docosahexaenoate-Phosphatidylcholine and Phosphatidylethanolamine. PLoS ONE, 2014, 9, e102377.	1.1	14
49	Coenzyme A-dependent modification of fatty acyl chains of rat liver membrane phospholipids: possible involvement of ATP-independent acyl-CoA synthesis. Journal of Lipid Research, 1995, 36, 440-50.	2.0	14
50	Platelet-activating factor and its structural analogues in the earthworm Eisenia foetida. Lipids and Lipid Metabolism, 1995, 1258, 19-26.	2.6	11
51	Inhibition of Cytosolic Phospholipase A2 Suppresses Production of Cholesteryl Ester through the Reesterification of Free Cholesterol but not Formation of Foam Cells in Oxidized LDL-Stimulated Macrophages. Biological and Pharmaceutical Bulletin, 2008, 31, 6-12.	0.6	11
52	Synthesis of a 1Î±-C-methyl analogue of 25-hydroxyvitamin D3: interaction with a mutant vitamin D receptor Arg274Leu. Tetrahedron, 2009, 65, 7135-7145.	1.0	10
53	Reduction in the stability of the GS-catalytic unit complex of adenylate cyclase in isoproterenol-induced heterologous desensitization. European Journal of Pharmacology, 1989, 159, 247-256.	1.7	9
54	Phosphatidic acid metabolism regulates the intracellular trafficking and retrotranslocation of CFTR. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 153-162.	1.9	9

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55	Hexacosenoyl-CoA is the most abundant very long-chain acyl-CoA in ATP binding cassette transporter D1-deficient cells. Journal of Lipid Research, 2020, 61, 523-536.	2.0	9
56	Inhibition of brain adenylate cyclase by barbiturates through the effect on the interaction between guanine nucleotide-binding stimulatory regulatory protein and catalitic unit.. Journal of Pharmacobio-dynamics, 1987, 10, 98-103.	0.5	8
57	Carboxyl-terminal Tail-mediated Homodimerizations of Sphingomyelin Synthases Are Responsible for Efficient Export from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2017, 292, 1122-1141.	1.6	8
58	Relationship between the inhibition of adenylate cyclase by pentobarbital and the functional coupling of Ns and the catalytic unit. Biochemical and Biophysical Research Communications, 1986, 140, 237-242.	1.0	7
59	Facile Synthesis of Stereoisomers of the Non-Secosteroidal Ligand LG190178 and their Evaluation Using the Mutant Vitamin D Receptor. Letters in Organic Chemistry, 2011, 8, 43-47.	0.2	7
60	Phosphorylation of human phospholipase A1 DDHD1 at newly identified phosphosites affects its subcellular localization. Journal of Biological Chemistry, 2021, 297, 100851.	1.6	7
61	Effective inhibition by pentobarbital of forskolin-stimulated adenylate cyclase activity in rat brain.. Chemical and Pharmaceutical Bulletin, 1989, 37, 3142-3144.	0.6	6
62	Mycobacterium leprae promotes triacylglycerol de novo synthesis through induction of GPAT3 expression in human premonocytic THP-1 cells. PLoS ONE, 2021, 16, e0249184.	1.1	6
63	N -(4-Hydroxyphenyl) Retinamide Suppresses SARS-CoV-2 Spike Protein-Mediated Cell-Cell Fusion by a Dihydroceramide Δ4-Desaturase 1-Independent Mechanism. Journal of Virology, 2021, 95, e0080721.	1.5	6
64	Characterization of heterologous desensitization of rat reticulocyte adenylate cyclase system.. Journal of Pharmacobio-dynamics, 1987, 10, 250-254.	0.5	4
65	Protein kinases induce isoproterenol desensitization of β2-adrenoceptor-coupled adenylate cyclase system: significance of receptor occupancy. European Journal of Pharmacology, 1987, 143, 19-26.	1.7	4
66	Reduction of mono(ADP-ribosyl) ation of 20 kDa protein with maturation in rat testis: involvement of guanine nucleotides. Biochimica Et Biophysica Acta - Molecular Cell Research, 1991, 1091, 46-50.	1.9	3
67	Genome-wide linkage and exome analyses identify variants of HMCN1for splenic epidermoid cyst. BMC Medical Genetics, 2014, 15, 115.	2.1	3
68	Changes in Apparent Functions of Component Proteins of Adenylate Cyclase System in Rat Brain by Drugs Acting on the Central Nervous System. Advances in Experimental Medicine and Biology, 1988, 236, 287-299.	0.8	3
69	Difference in sensitivity to alkaline phosphatase treatment between rat reticulocyte membranes in which β2-adrenoceptor desensitization was induced by isoproterenol, dibutyryl cAMP and phorbol ester. European Journal of Pharmacology, 1990, 188, 229-234.	2.7	2
70	Expression and Distribution of GPR55, a Receptor for Lysophosphatidylinositol, in Mouse Tissues and Cells. BPB Reports, 2022, 5, 16-20.	0.1	2
71	Involvement of the inhibitory GTP-binding regulatory protein and a low-affinity benzodiazepine receptor in the inhibitory effect of diazepam on rat brain adenylate cyclase system.. The Japanese Journal of Pharmacology, 1988, 47, 81-86.	1.2	1
72	The inhibitory effect of methanol on forskolin-activated adenylate cyclase in rat erythrocyte membranes dependent on the state of the guanine nucleotide-binding stimulatory and regulatory protein.. Journal of Pharmacobio-dynamics, 1988, 11, 377-380.	0.5	1

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73	Involvement of the Inhibitory GTP-Binding Regulatory Protein and a Low-Affinity Benzodiazepine Receptor in the Inhibitory Effect of Diazepam on Rat Brain Adenylate Cyclase System. The Japanese Journal of Pharmacology, 1988, 47, 81-86.	1.2	0
74	Title is missing!. Kagaku To Seibutsu, 2010, 48, 301-304.	0.0	0