

# Jin-ichi Inokuchi

## List of Publications by Year in descending order

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146  
papers

4,667  
citations

87888

38  
h-index

118850

62  
g-index

151  
all docs

151  
docs citations

151  
times ranked

3753  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissociation of the insulin receptor and caveolin-1 complex by ganglioside GM3 in the state of insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13678-13683.	7.1	344
2	Ganglioside GM3 Participates in the Pathological Conditions of Insulin Resistance. Journal of Biological Chemistry, 2002, 277, 3085-3092.	3.4	319
3	Membrane lipid therapy: Modulation of the cell membrane composition and structure as a molecular base for drug discovery and new disease treatment. Progress in Lipid Research, 2015, 59, 38-53.	11.6	181
4	Improved Inhibitors of Glucosylceramide Synthase1. Journal of Biochemistry, 1992, 111, 191-196.	1.7	144
5	Expression Cloning and Functional Characterization of Human cDNA for Ganglioside GM3 Synthase. Journal of Biological Chemistry, 1998, 273, 31652-31655.	3.4	140
6	TNF $\alpha$ -induced insulin resistance in adipocytes as a membrane microdomain disorder: involvement of ganglioside GM3. Glycobiology, 2004, 15, 21-29.	2.5	139
7	Mice lacking ganglioside GM3 synthase exhibit complete hearing loss due to selective degeneration of the organ of Corti. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9483-9488.	7.1	123
8	Molecular Cloning and Characterization of UDP-GlcNAc:Lactosylceramide $\beta$ 1,3-N-Acetylglucosaminyltransferase ( $\beta$ 3Gn-T5), an Essential Enzyme for the Expression of HNK-1 and Lewis X Epitopes on Glycolipids. Journal of Biological Chemistry, 2001, 276, 22032-22040.	3.4	116
9	CD4 and CD8 T cells require different membrane gangliosides for activation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E336-42.	7.1	109
10	A ceramide analog inhibits T cell proliferative response through inhibition of glycosphingolipid synthesis and enhancement of N,N-dimethylsphingosine synthesis. Biochemistry, 1990, 29, 6314-6322.	2.5	102
11	Effects of D-threo-PDMP, an inhibitor of glucosylceramide synthetase, on expression of cell surface glycolipid antigen and binding to adhesive proteins by B16 melanoma cells. Journal of Cellular Physiology, 1989, 141, 573-583.	4.1	99
12	Inhibition of sphingolipid induced apoptosis by caspase inhibitors indicates that sphingosine acts in an earlier part of the apoptotic pathway than ceramide. FEBS Letters, 1998, 425, 61-65.	2.8	86
13	Csg1p and Newly Identified Csh1p Function in Mannosylinositol Phosphorylceramide Synthesis by Interacting with Csg2p. Journal of Biological Chemistry, 2003, 278, 45049-45055.	3.4	85
14	Antitumor activity via inhibition of glycosphingolipid biosynthesis. Cancer Letters, 1987, 38, 23-30.	7.2	79
15	Glucosylceramide Synthase Inhibitor Inhibits the Action of Nerve Growth Factor in PC12 Cells. Journal of Biological Chemistry, 1998, 273, 26001-26007.	3.4	77
16	Antihypertensive substance in seeds of L.. Life Sciences, 1986, 38, 1375-1382.	4.3	75
17	Synthesis of potent $\beta$ -D-glucocerebrosidase inhibitors: N-alkyl- $\beta$ -valienamines. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 929-932.	2.2	67
18	The regulatory roles of glycosphingolipid-enriched lipid rafts in immune systems. FEBS Letters, 2018, 592, 3921-3942.	2.8	60

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19	Membrane microdomains and insulin resistance. <i>FEBS Letters</i> , 2010, 584, 1864-1871.	2.8	59
20	Modulation of EGF Receptor Activity by Changes in the GM3 Content in a Human Epidermoid Carcinoma Cell Line, A431. <i>Experimental Cell Research</i> , 2000, 256, 74-82.	2.6	58
21	Ganglioside GM3 is essential for the structural integrity and function of cochlear hair cells. <i>Human Molecular Genetics</i> , 2015, 24, 2796-2807.	2.9	51
22	Glucosphingolipids as sites of action in the chemotherapy of cancer. <i>Biochemical Pharmacology</i> , 1988, 37, 2879-2886.	4.4	50
23	Reduction of Glycosphingolipid Levels in Lipid Rafts Affects the Expression State and Function of Glycosylphosphatidylinositol-anchored Proteins but Does Not Impair Signal Transduction via the T Cell Receptor. <i>Journal of Biological Chemistry</i> , 2003, 278, 51920-51927.	3.4	49
24	Detection of N-glycosylated gangliosides in non-small-cell lung cancer using GMR8 monoclonal antibody. <i>Cancer Science</i> , 2013, 104, 43-47.	3.9	49
25	Lactosylceramide Is Essential for the Osteoclastogenesis Mediated by Macrophage-Colony-stimulating Factor and Receptor Activator of Nuclear Factor- $\kappa$ B Ligand. <i>Journal of Biological Chemistry</i> , 2001, 276, 46031-46038.	3.4	48
26	Structure and function of lipid rafts in human activated T cells. <i>International Immunology</i> , 2005, 17, 749-758.	4.0	45
27	Biology of GM3 Ganglioside. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 156, 151-195.	1.7	45
28	Reduced motor and sensory functions and emotional response in GM3-only mice: Emergence from early stage of life and exacerbation with aging. <i>Behavioural Brain Research</i> , 2009, 198, 74-82.	2.2	44
29	Insulin Resistance as a Membrane Microdomain Disorder. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1532-1537.	1.4	42
30	GM3 and diabetes. <i>Glycoconjugate Journal</i> , 2014, 31, 193-197.	2.7	42
31	Targeting ceramide synthase $\alpha$ dependent metastasis-prone phenotype in lung cancer cells. <i>Journal of Clinical Investigation</i> , 2015, 126, 254-265.	8.2	42
32	Tripeptidyl carboxypeptidase activity of kininase II (angiotensin-converting enzyme). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981, 662, 300-307.	2.6	41
33	Inhibitors of angiotensin converting enzyme in crude drugs. I.. <i>Chemical and Pharmaceutical Bulletin</i> , 1984, 32, 3615-3619.	1.3	41
34	Circulating levels of ganglioside GM3 in metabolic syndrome: A pilot study. <i>Obesity Research and Clinical Practice</i> , 2008, 2, 231-238.	1.8	41
35	The Cytoplasmic Tail of GM3 Synthase Defines Its Subcellular Localization, Stability, and In Vivo Activity. <i>Molecular Biology of the Cell</i> , 2009, 20, 3088-3100.	2.1	41
36	Up-Regulation of Ganglioside Biosynthesis, Functional Synapse Formation, and Memory Retention by a Synthetic Ceramide Analog (I-PDMP). <i>Biochemical and Biophysical Research Communications</i> , 1997, 237, 595-600.	2.1	40

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37	Effects of the mono- and tetrasialogangliosides GM1 and GQ1b on ATP-induced long-term potentiation in hippocampal CA1 neurons. <i>Glycobiology</i> , 2002, 12, 339-344.	2.5	40
38	Inhibitors of angiotensin-converting enzyme in crude drugs. II.. <i>Chemical and Pharmaceutical Bulletin</i> , 1985, 33, 264-269.	1.3	39
39	Identification of Ganglioside GM3 Molecular Species in Human Serum Associated with Risk Factors of Metabolic Syndrome. <i>PLoS ONE</i> , 2015, 10, e0129645.	2.5	39
40	Chemical modification of $\beta$ -glucocerebrosidase inhibitor N -octyl- $\beta$ -valienamine: synthesis and biological evaluation of N -alkanoyl and N -alkyl derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 1998, 6, 1955-1962.	3.0	38
41	Physiopathological function of hematoside (GM3 ganglioside). <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2011, 87, 179-198.	3.8	37
42	Studies of the action of ceramide-like substances (d- and l-PDMP) on sphingolipid glycosyltransferases and purified lactosylceramide synthase. <i>Glycoconjugate Journal</i> , 1996, 13, 481-486.	2.7	36
43	Regulation of the Transport and Protein Levels of the Inositol Phosphorylceramide Mannosyltransferases Csg1 and Csh1 by the Ca <sup>2+</sup> -binding Protein Csg2. <i>Journal of Biological Chemistry</i> , 2007, 282, 8613-8621.	3.4	36
44	Control of homeostatic and pathogenic balance in adipose tissue by ganglioside GM3. <i>Glycobiology</i> , 2015, 25, 303-318.	2.5	35
45	Sialylation and sulfation of lactosylceramide distinctly regulate anchorage-independent growth, apoptosis, and gene expression in 3LL Lewis lung carcinoma cells. <i>Glycobiology</i> , 2003, 13, 207-216.	2.5	33
46	Zebrafish and Mouse $\alpha$ 2,3-Sialyltransferases Responsible for Synthesizing GM4 Ganglioside. <i>Journal of Biological Chemistry</i> , 2009, 284, 30534-30546.	3.4	31
47	Pseudosugars, 35. Synthesis of glycosylceramide analogs composed of imino-linked unsaturated 5a-carbaglycosyl residues: Potent and specific gluco- and galactocerebrosidase inhibitors. <i>Liebigs Annalen</i> , 1995, 1995, 279-284.	0.8	30
48	Effects of Glucosylceramide Synthase Inhibitor and Ganglioside GQ1b on Synchronous Oscillations of Intracellular Ca <sup>2+</sup> in Cultured Cortical Neurons. <i>Biochemical and Biophysical Research Communications</i> , 1996, 222, 494-498.	2.1	30
49	Glycosphingolipid deficiency affects functional microdomain formation in Lewis lung carcinoma cells. <i>Glycoconjugate Journal</i> , 2000, 17, 239-245.	2.7	29
50	Distinct selectivity of gangliosides required for CD4 <sup>+</sup> T and CD8 <sup>+</sup> T cell activation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 98-106.	2.4	28
51	Rapid kidney changes resulting from glycosphingolipid depletion by treatment with a glucosyltransferase inhibitor. <i>Lipids and Lipid Metabolism</i> , 1991, 1083, 101-108.	2.6	27
52	Endogenously produced ganglioside GM3 endows etoposide and doxorubicin resistance by up-regulating Bcl-2 expression in 3LL Lewis lung carcinoma cells. <i>Glycobiology</i> , 2006, 16, 641-650.	2.5	27
53	Insulin Resistance as a Membrane Microdomain Disorder. <i>Yakugaku Zasshi</i> , 2007, 127, 579-586.	0.2	27
54	Dissociation of the insulin receptor from caveolae during TNF $\alpha$ -induced insulin resistance and its recovery by $\alpha$ -PDMP. <i>FEBS Letters</i> , 2012, 586, 191-195.	2.8	27

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55	Effect of Honeycomb-Patterned Surface Topography on the Function of Mesenteric Adipocytes. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1947-1956.	3.5	26
56	GRASP55 regulates intra-Golgi localization of glycosylation enzymes to control glycosphingolipid biosynthesis. <i>EMBO Journal</i> , 2021, 40, e107766.	7.8	26
57	Stimulation of Glycosphingolipid Biosynthesis by L-Threo-1-Phenyl-2-Decanoylamino-1-Propanol and Its Homologs in B16 Melanoma Cells. <i>Journal of Biochemistry</i> , 1995, 117, 766-773.	1.7	25
58	Substitution of the N-glycan function in glycosyltransferases by specific amino acids: ST3Gal-V as a model enzyme. <i>Glycobiology</i> , 2006, 16, 258-270.	2.5	25
59	Homeostatic and pathogenic roles of GM3 ganglioside molecular species in TLR4 signaling in obesity. <i>EMBO Journal</i> , 2020, 39, e101732.	7.8	25
60	Induction of Ganglioside Biosynthesis and Neurite Outgrowth of Primary Cultured Neurons by l-threo-1-Phenyl-2-Decanoylamino-3-Morpholino-1-Propanol. <i>Journal of Neurochemistry</i> , 2002, 67, 1821-1830.	3.9	24
61	Globo-series glycosphingolipids enhance Toll-like receptor 4-mediated inflammation and play a pathophysiological role in diabetic nephropathy. <i>Glycobiology</i> , 2019, 29, 260-268.	2.5	24
62	Loss of hydroxyl groups from the ceramide moiety can modify the lateral diffusion of membrane proteins in <i>S. cerevisiae</i> . <i>Journal of Lipid Research</i> , 2014, 55, 1343-1356.	4.2	23
63	Development of a New Inhibitor of Glucosylceramide Synthase. <i>Journal of Biochemistry</i> , 2000, 127, 485-491.	1.7	22
64	Suppression of Integrin Expression and Tumorigenicity by Sulfation of Lactosylceramide in 3LL Lewis Lung Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 26777-26783.	3.4	21
65	Synthesis and biological evaluation of four stereoisomers of PDMP-analogue, N-(2-decylamino-3-hydroxy-3-phenylprop-1-yl)-1,2-valienamine, and related compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 1915-1920.	2.2	19
66	Apoptosis of human carcinoma cells in the presence of inhibitors of glycosphingolipid biosynthesis: I. Treatment of Colo-205 and SKBR3 cells with isomers of PDMP and PPMP. <i>Glycoconjugate Journal</i> , 2003, 20, 157-168.	2.7	19
67	GM3 synthase gene is a novel biomarker for histological classification and drug sensitivity against epidermal growth factor receptor tyrosine kinase inhibitors in non-small cell lung cancer. <i>Cancer Science</i> , 2007, 98, 1625-1632.	3.9	19
68	Functional mapping and implications of substrate specificity of the yeast high-affinity leucine permease Bap2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1719-1729.	2.6	19
69	Sex-based differences in CD103 <sup>+</sup> dendritic cells promote female-predominant Th2 cytokine production during allergic asthma. <i>Clinical and Experimental Allergy</i> , 2018, 48, 379-393.	2.9	19
70	Glucosylceramide synthetase inhibitor, d-threo-1-phenyl-2-decanoylamino-3-morpholino-1-propanol exhibits a novel decarcinogenic activity against Shope carcinoma cells. <i>Cancer Letters</i> , 1996, 101, 25-30.	7.2	17
71	Chapter 22 Neurotrophic and Neuroprotective Actions of an Enhancer of Ganglioside Biosynthesis. <i>International Review of Neurobiology</i> , 2009, 85, 319-336.	2.0	17
72	Specific expression of Neu2 type B in mouse thymus and the existence of a membrane-bound form in COS cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 729-735.	2.1	17

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73	Expression machinery of GM4: the excess amounts of GM3/GM4S synthase (ST3GAL5) are necessary for GM4 synthesis in mammalian cells. <i>Glycoconjugate Journal</i> , 2014, 31, 101-108.	2.7	17
74	The regulation of ER export and Golgi retention of ST3Gal5 (GM3/GM4 synthase) and B4GalNAcT1 (GM2/GD2/GA2 synthase) by arginine/lysine-based motif adjacent to the transmembrane domain. <i>Glycobiology</i> , 2015, 25, 1410-1422.	2.5	17
75	NPC1L1-dependent intestinal cholesterol absorption requires ganglioside GM3 in membrane microdomains. <i>Journal of Lipid Research</i> , 2018, 59, 2181-2187.	4.2	16
76	Mass Spectrometry of Gangliosides. <i>Methods in Molecular Biology</i> , 2018, 1804, 207-221.	0.9	16
77	Deficient ganglioside synthesis restores responsiveness to leptin and melanocortin signaling in obese KK <sup>AY</sup> mice. <i>Journal of Lipid Research</i> , 2018, 59, 1472-1481.	4.2	16
78	Use of PDMP for the Study of Glycosphingolipid Functions.. <i>Trends in Glycoscience and Glycotechnology</i> , 1991, 3, 200-213.	0.1	16
79	Synthesis and evaluation of morpholino- and pyrrolidinosphingolipids as inhibitors of glucosylceramide synthase. <i>Bioorganic and Medicinal Chemistry</i> , 1998, 6, 1481-1489.	3.0	15
80	Heterogeneity of gangliosides among T cell subsets. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3067-3075.	5.4	15
81	Gangliosides and hearing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2485-2493.	2.4	15
82	Altered expression of ganglioside GM3 molecular species and a potential regulatory role during myoblast differentiation. <i>Journal of Biological Chemistry</i> , 2017, 292, 7040-7051.	3.4	15
83	L-threo-1-phenyl-2-decanoylamino-3-morpholino-1-propanol stimulates ganglioside biosynthesis, neurite outgrowth and synapse formation in cultured cortical neurons, and ameliorates memory deficits in ischemic rats.. <i>Acta Biochimica Polonica</i> , 1998, 45, 479-492.	0.5	15
84	Expression of ganglioside GM3 and H-2 antigens in clones with different metastatic and growth potentials isolated from Lewis lung carcinoma (3LL) cell line. <i>Clinical and Experimental Metastasis</i> , 1993, 11, 27-36.	3.3	14
85	A synthetic ceramide analog ameliorates spatial cognition deficit and stimulates biosynthesis of brain gangliosides in rats with cerebral ischemia. <i>European Journal of Pharmacology</i> , 2003, 462, 53-60.	3.5	14
86	PDMP, a ceramide analogue, acts as an inhibitor of mTORC1 by inducing its translocation from lysosome to endoplasmic reticulum. <i>Experimental Cell Research</i> , 2017, 350, 103-114.	2.6	14
87	Cell growth arrest by sialic acid clusters in ganglioside GM3 mimetic polymers. <i>Glycobiology</i> , 2007, 17, 568-577.	2.5	13
88	A Synthetic Ceramide Analog (l-PDMP) Up-regulates Neuronal Function. <i>Annals of the New York Academy of Sciences</i> , 1998, 845, 219-224.	3.8	12
89	Expression of the Î²-Galactoside Î±1,2-Fucosyltransferase Gene Suppresses Axonal Outgrowth of Neuro2a Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 2002, 66, 1633-1640.	3.9	12
90	Physiological levels of insulin and IGFâ€1 synergistically enhance the differentiation of mesenteric adipocytes.. <i>Cell Biology International</i> , 2008, 32, 1397-1404.	3.0	12

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91	Overexpression of HexCer and LacCer containing 2-hydroxylated fatty acids in cholangiocarcinoma and the association of the increase of LacCer (d18:1-h23:0) with shorter survival of the patients. <i>Glycoconjugate Journal</i> , 2019, 36, 103-111.	2.7	12
92	Two different forms of angiotensin I-converting enzyme from hog kidney.. <i>Chemical and Pharmaceutical Bulletin</i> , 1980, 28, 459-464.	1.3	11
93	GM2 ganglioside regulates the function of ciliary neurotrophic factor receptor in murine immortalized motor neuron-like cells (NSC-34). <i>Neurochemical Research</i> , 2001, 26, 375-382.	3.3	11
94	The synthetic ceramide analog l-PDMP partially protects striatal dopamine levels but does not promote dopamine neuron survival in murine models of parkinsonism. <i>Brain Research</i> , 2006, 1099, 199-205.	2.2	11
95	Impairment of hippocampal long-term potentiation and failure of learning in mice treated with d-threo-1-phenyl-2-decanoylamino-3-morpholino-1-propanol. <i>Biomedical Research</i> , 2012, 33, 265-271.	0.9	10
96	Plasma membrane sphingomyelin modulates thymocyte development by inhibiting TCR-induced apoptosis. <i>International Immunology</i> , 2019, 31, 211-223.	4.0	10
97	Homeostatic and pathogenic roles of the GM3 ganglioside. <i>FEBS Journal</i> , 2022, 289, 5152-5165.	4.7	10
98	Tripeptidyl Carboxypeptidase Activity of Angiotensin-Converting Enzyme in Human Tissues of the Urogenital Tract. <i>Urologia Internationalis</i> , 1985, 40, 100-102.	1.3	9
99	UDP-GlcNAc:Gal $\beta$ 1 $\rightarrow$ 3GalNAc (GlcNAc to GalNAc) $\beta$ 1 $\rightarrow$ 6N-acetylglucosaminyltransferase holds a key role on the control of CD15s expression in human pre-B lymphoid cell lines. <i>Glycobiology</i> , 1999, 9, 1-12.	2.5	9
100	Roles of Gangliosides in Hypothalamic Control of Energy Balance: New Insights. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5349.	4.1	9
101	Modulation of Growth Factor Receptors in Membrane Microdomains. <i>Trends in Glycoscience and Glycotechnology</i> , 2008, 20, 353-371.	0.1	9
102	L- and D-threo-1-phenyl-2-decanoylamino-3-morpholino-1-propanol (PDMP) inhibit neurite outgrowth from SH-SY5Y cells. <i>Neuroscience</i> , 2002, 114, 731-744.	2.3	8
103	Triglyceride accumulation and altered composition of triglyceride-associated fatty acids in the skin of tenascin-X-deficient mice. <i>Genes To Cells</i> , 2004, 9, 737-748.	1.2	8
104	Glycoconjugates in the mammalian auditory system. <i>Journal of Neurochemistry</i> , 2011, 116, 756-763.	3.9	8
105	Psychosine-triggered endomitosis is modulated by membrane sphingolipids through regulation of phosphoinositide 4,5-bisphosphate production at the cleavage furrow. <i>Molecular Biology of the Cell</i> , 2016, 27, 2037-2050.	2.1	8
106	Serum GM3(d18:1-16:0) and GM3(d18:1-24:1) levels may be associated with lymphoma: An exploratory study with haematological diseases. <i>Scientific Reports</i> , 2019, 9, 6308.	3.3	8
107	Role for up-regulated ganglioside biosynthesis and association of Src family kinases with microdomains in retinoic acid-induced differentiation of F9 embryonal carcinoma cells. <i>Glycobiology</i> , 2005, 15, 687-699.	2.5	7
108	Sphingosine inhibits attachment of murine Lewis lung carcinoma cells to laminin and type IV collagen. <i>FEBS Letters</i> , 1991, 286, 39-43.	2.8	6

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109	Effects of Endoglycoceramidase ord-Threo-1-phenyl-2-decanoylamino-3-morpholino-1-propanol on Glucose Uptake, Glycolysis, and Mitochondrial Respiration in HL60 Cells. Archives of Biochemistry and Biophysics, 1998, 359, 107-114.	3.0	6
110	Glycosphingolipids govern gene expression. Glycoconjugate Journal, 2003, 20, 169-178.	2.7	6
111	Comparison of the Compositions of Phospholipid-Associated Fatty Acids in Wild-Type and Extracellular Matrix Tenascin-X-Deficient Mice. Biological and Pharmaceutical Bulletin, 2004, 27, 1447-1450.	1.4	6
112	Inhibition of Ganglioside Biosynthesis as a Novel Therapeutic Approach in Insulin Resistance. Handbook of Experimental Pharmacology, 2011, , 165-178.	1.8	6
113	Hydrophobic nature of mammalian ceramide glycanases: purified from rabbit and rat mammary tissues.. Acta Biochimica Polonica, 1998, 45, 327-342.	0.5	6
114	Synthesis of glucosylceramide analogues: imino-linked 5a-carbaglycosylceramides, potent and specific glucocerebrosidase inhibitors. Journal of the Chemical Society Chemical Communications, 1994, , 1317.	2.0	5
115	The ceramide analogue N-(1-hydroxy-3-morpholino-1-phenylpropan-2-yl)decanamide induces large lipid droplet accumulation and highlights the effect of LAMP-2 deficiency on lipid droplet degradation. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126891.	2.2	5
116	ST3 Beta-Galactoside Alpha-2,3-Sialyltransferase 5 (ST3GAL5). , 2014, , 675-686.		5
117	Targeting ceramide synthase 6â€™ dependent metastasis-prone phenotype in lung cancer cells. Journal of Clinical Investigation, 2019, 129, 5050-5050.	8.2	5
118	Identification of a new liver-specific c-type mRNA transcriptional variant for mouse ST3GAL5 (GM3/GM4) Tj ETQq0 0 0 rgBT /Qverlock 10	2.7	4
119	Visual Function in Mice Lacking GM3 Synthase. Current Eye Research, 2019, 44, 664-670.	1.5	4
120	Ganglioside GM3 Synthase Deficiency in Mouse Models and Human Patients. International Journal of Molecular Sciences, 2022, 23, 5368.	4.1	4
121	Tripeptidyl carboxypeptidase activity of angiotensin I-converting enzyme in human tissues and fluids. Biochemical Society Transactions, 1986, 14, 1046-1047.	3.4	3
122	Pharmacological Modulation of Glycosphingolipid Metabolism. Methods in Molecular Biology, 2018, 1804, 401-410.	0.9	3
123	Sphingolipid Biosynthesis by L-PDMP After Rat MCA Occlusion. , 2000, 76, 339-341.		3
124	Pathophysiological Significance of GM3 Ganglioside Molecular Species With a Particular Attention to the Metabolic Syndrome Focusing on Toll-Like Receptor 4 Binding. Frontiers in Molecular Biosciences, 2022, 9, .	3.5	2
125	Tripeptidylcarboxypeptidase activity of angiotensin I converting enzyme in human serum.. Journal of Clinical Pathology, 1983, 36, 835-835.	2.0	1
126	Effects of halides on dipeptidyl and tripeptidyl carboxypeptidase activities of kininase II.. Chemical and Pharmaceutical Bulletin, 1984, 32, 237-243.	1.3	1



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127	Identification of a new B4GalNAcT1 (GM2/GD2/GA2 synthase) isoform, and regulation of enzyme stability and intracellular transport by arginine-based motif. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2001-2011.	2.6	1
128	Insulin Resistance and Type 2 Diabetes as Microdomain Disease: Implication of Ganglioside GM3. , 2008, , 333-336.		1
129	A New Pathological Feature of Insulin Resistance and Type 2 Diabetes: Involvement of Ganglioside GM3 and Membrane Microdomains. , 2006, , 273-284.		1
130	Gangliosides in T cell development and function of mice. <i>Glycoconjugate Journal</i> , 2022, 39, 229-238.	2.7	1
131	Gaucher's disease: increase of di- and tri-peptidyl carboxypeptidase in plasma. <i>Biochemical Society Transactions</i> , 1987, 15, 552-553.	3.4	0
132	Membrane microdomain malfunction and insulin resistance in type 2 diabetes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 284-285, 43-49.	4.7	0
133	Title is missing!. <i>Kagaku To Seibutsu</i> , 2010, 48, 736-739.	0.0	0
134	Involvement of glycosphingolipids in the insulin secretion pathway. <i>Diabetes Research and Clinical Practice</i> , 2016, 120, S179.	2.8	0
135	Preface for the Special Issue Entitled "Roles of Carbohydrate Chains in Formation and Function of Membrane Microdomains". <i>Trends in Glycoscience and Glycotechnology</i> , 2001, 13, 217-218.	0.1	0
136	The 55th FCCA seminar/Forum and Annual Meeting for Young Glycoscientists 2006. <i>Trends in Glycoscience and Glycotechnology</i> , 2006, 18, 405-406.	0.1	0
137	The Physiological Significance of Ganglioside Species Selectively Expressed on Individual T Cell Subsets. <i>Trends in Glycoscience and Glycotechnology</i> , 2013, 25, 159-169.	0.1	0
138	Gangliosides and T-Cell Immunity. , 2015, , 35-54.		0
139	GM3 Synthase (ST3Gal5) and Diabetes. , 2014, , 1-6.		0
140	Gangliosides in T Cell Immunity. , 2014, , 1-7.		0
141	Macrophages Govern Ganglioside GM3 Expression in Adipocytes to Regulate Adipogenesis and Insulin Signaling in Homeostatic and Pathogenic Conditions. , 2015, , 219-234.		0
142	Glucosyl- and Lactosylceramide as Cell Growth Modulator. <i>Trends in Glycoscience and Glycotechnology</i> , 1992, 4, 295-296.	0.1	0
143	GM3 Synthase (ST3Gal5) GM3 synthase (ST3Gal5) and Diabetes Diabetes. , 2015, , 1157-1162.		0
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