

Jin-ichi Inokuchi

List of Publications by Year in descending order

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146
papers

4,667
citations

87723

38
h-index

118652

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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13678-13683.	3.3	344
2	Ganglioside GM3 Participates in the Pathological Conditions of Insulin Resistance. <i>Journal of Biological Chemistry</i> , 2002, 277, 3085-3092.	1.6	319
3	Membrane lipid therapy: Modulation of the cell membrane composition and structure as a molecular base for drug discovery and new disease treatment. <i>Progress in Lipid Research</i> , 2015, 59, 38-53.	5.3	181
4	Improved Inhibitors of Glucosylceramide Synthase1. <i>Journal of Biochemistry</i> , 1992, 111, 191-196.	0.9	144
5	Expression Cloning and Functional Characterization of Human cDNA for Ganglioside GM3 Synthase. <i>Journal of Biological Chemistry</i> , 1998, 273, 31652-31655.	1.6	140
6	TNF α -induced insulin resistance in adipocytes as a membrane microdomain disorder: involvement of ganglioside GM3. <i>Glycobiology</i> , 2004, 15, 21-29.	1.3	139
7	Mice lacking ganglioside GM3 synthase exhibit complete hearing loss due to selective degeneration of the organ of Corti. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9483-9488.	3.3	123
8	Molecular Cloning and Characterization of UDP-GlcNAc:Lactosylceramide β 1,3-N-Acetylglucosaminyltransferase (β 23Gn-T5), an Essential Enzyme for the Expression of HNK-1 and Lewis X Epitopes on Glycolipids. <i>Journal of Biological Chemistry</i> , 2001, 276, 22032-22040.	1.6	116
9	CD4 and CD8 T cells require different membrane gangliosides for activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E336-42.	3.3	109
10	A ceramide analog inhibits T cell proliferative response through inhibition of glycosphingolipid synthesis and enhancement of N,N-dimethylsphingosine synthesis. <i>Biochemistry</i> , 1990, 29, 6314-6322.	1.2	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. <i>Journal of Cellular Physiology</i> , 1989, 141, 573-583.	2.0	99
12	Inhibition of sphingolipid induced apoptosis by caspase inhibitors indicates that sphingosine acts in an earlier part of the apoptotic pathway than ceramide. <i>FEBS Letters</i> , 1998, 425, 61-65.	1.3	86
13	Csg1p and Newly Identified Csh1p Function in Mannosylinositol Phosphorylceramide Synthesis by Interacting with Csg2p. <i>Journal of Biological Chemistry</i> , 2003, 278, 45049-45055.	1.6	85
14	Antitumor activity via inhibition of glycosphingolipid biosynthesis. <i>Cancer Letters</i> , 1987, 38, 23-30.	3.2	79
15	Glucosylceramide Synthase Inhibitor Inhibits the Action of Nerve Growth Factor in PC12 Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 26001-26007.	1.6	77
16	Antihypertensive substance in seeds of L.. <i>Life Sciences</i> , 1986, 38, 1375-1382.	2.0	75
17	Synthesis of potent β -D-glucocerebrosidase inhibitors: N-alkyl- β -valienamines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 929-932.	1.0	67
18	The regulatory roles of glycosphingolipid-enriched lipid rafts in immune systems. <i>FEBS Letters</i> , 2018, 592, 3921-3942.	1.3	60

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19	Membrane microdomains and insulin resistance. <i>FEBS Letters</i> , 2010, 584, 1864-1871.	1.3	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.	1.2	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.	1.4	51
22	Glucosphingolipids as sites of action in the chemotherapy of cancer. <i>Biochemical Pharmacology</i> , 1988, 37, 2879-2886.	2.0	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.	1.6	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.	1.7	49
25	Lactosylceramide Is Essential for the Osteoclastogenesis Mediated by Macrophage-Colony-stimulating Factor and Receptor Activator of Nuclear Factor- κ B Ligand. <i>Journal of Biological Chemistry</i> , 2001, 276, 46031-46038.	1.6	48
26	Structure and function of lipid rafts in human activated T cells. <i>International Immunology</i> , 2005, 17, 749-758.	1.8	45
27	Biology of GM3 Ganglioside. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 156, 151-195.	0.9	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.	1.2	44
29	Insulin Resistance as a Membrane Microdomain Disorder. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1532-1537.	0.6	42
30	GM3 and diabetes. <i>Glycoconjugate Journal</i> , 2014, 31, 193-197.	1.4	42
31	Targeting ceramide synthase α dependent metastasis-prone phenotype in lung cancer cells. <i>Journal of Clinical Investigation</i> , 2015, 126, 254-265.	3.9	42
32	Tripeptidyl carboxypeptidase activity of kininase II (angiotensin-converting enzyme). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981, 662, 300-307.	1.4	41
33	Inhibitors of angiotensin converting enzyme in crude drugs. I.. <i>Chemical and Pharmaceutical Bulletin</i> , 1984, 32, 3615-3619.	0.6	41
34	Circulating levels of ganglioside GM3 in metabolic syndrome: A pilot study. <i>Obesity Research and Clinical Practice</i> , 2008, 2, 231-238.	0.8	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.	0.9	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.	1.0	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.	1.3	40
38	Inhibitors of angiotensin-converting enzyme in crude drugs. II.. <i>Chemical and Pharmaceutical Bulletin</i> , 1985, 33, 264-269.	0.6	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.	1.1	39
40	Chemical modification of β -glucocerebrosidase inhibitor N -octyl- β -valienamine: synthesis and biological evaluation of N -alkanoyl and N -alkyl derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 1998, 6, 1955-1962.	1.4	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.	1.6	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.	1.4	36
43	Regulation of the Transport and Protein Levels of the Inositol Phosphorylceramide Mannosyltransferases Csg1 and Csh1 by the Ca ²⁺ -binding Protein Csg2. <i>Journal of Biological Chemistry</i> , 2007, 282, 8613-8621.	1.6	36
44	Control of homeostatic and pathogenic balance in adipose tissue by ganglioside GM3. <i>Glycobiology</i> , 2015, 25, 303-318.	1.3	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.	1.3	33
46	Zebrafish and Mouse α 2,3-Sialyltransferases Responsible for Synthesizing GM4 Ganglioside. <i>Journal of Biological Chemistry</i> , 2009, 284, 30534-30546.	1.6	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 ²⁺ in Cultured Cortical Neurons. <i>Biochemical and Biophysical Research Communications</i> , 1996, 222, 494-498.	1.0	30
49	Glycosphingolipid deficiency affects functional microdomain formation in Lewis lung carcinoma cells. <i>Glycoconjugate Journal</i> , 2000, 17, 239-245.	1.4	29
50	Distinct selectivity of gangliosides required for CD4 ⁺ T and CD8 ⁺ T cell activation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 98-106.	1.2	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.	1.3	27
53	Insulin Resistance as a Membrane Microdomain Disorder. <i>Yakugaku Zasshi</i> , 2007, 127, 579-586.	0.0	27
54	Dissociation of the insulin receptor from caveolae during TNF α -induced insulin resistance and its recovery by β -PDMP. <i>FEBS Letters</i> , 2012, 586, 191-195.	1.3	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.	1.9	26
56	GRASP55 regulates intra-Golgi localization of glycosylation enzymes to control glycosphingolipid biosynthesis. <i>EMBO Journal</i> , 2021, 40, e107766.	3.5	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.	0.9	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.	1.3	25
59	Homeostatic and pathogenic roles of GM3 ganglioside molecular species in TLR4 signaling in obesity. <i>EMBO Journal</i> , 2020, 39, e101732.	3.5	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.	2.1	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.	1.3	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.	2.0	23
63	Development of a New Inhibitor of Glucosylceramide Synthase. <i>Journal of Biochemistry</i> , 2000, 127, 485-491.	0.9	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.	1.6	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.	1.0	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.	1.4	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.	1.7	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.	1.4	19
69	Sex-based differences in CD103 ⁺ dendritic cells promote female-predominant Th2 cytokine production during allergic asthma. <i>Clinical and Experimental Allergy</i> , 2018, 48, 379-393.	1.4	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.	3.2	17
71	Chapter 22 Neurotrophic and Neuroprotective Actions of an Enhancer of Ganglioside Biosynthesis. <i>International Review of Neurobiology</i> , 2009, 85, 319-336.	0.9	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.	1.0	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.	1.4	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.	1.3	17
75	NPC1L1-dependent intestinal cholesterol absorption requires ganglioside GM3 in membrane microdomains. <i>Journal of Lipid Research</i> , 2018, 59, 2181-2187.	2.0	16
76	Mass Spectrometry of Gangliosides. <i>Methods in Molecular Biology</i> , 2018, 1804, 207-221.	0.4	16
77	Deficient ganglioside synthesis restores responsiveness to leptin and melanocortin signaling in obese KK ^{AY} mice. <i>Journal of Lipid Research</i> , 2018, 59, 1472-1481.	2.0	16
78	Use of PDMP for the Study of Glycosphingolipid Functions.. <i>Trends in Glycoscience and Glycotechnology</i> , 1991, 3, 200-213.	0.0	16
79	Synthesis and evaluation of morpholino- and pyrrolidinosphingolipids as inhibitors of glucosylceramide synthase. <i>Bioorganic and Medicinal Chemistry</i> , 1998, 6, 1481-1489.	1.4	15
80	Heterogeneity of gangliosides among T cell subsets. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3067-3075.	2.4	15
81	Gangliosides and hearing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2485-2493.	1.1	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.	1.6	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.	0.3	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.	1.7	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.	1.7	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.	1.2	14
87	Cell growth arrest by sialic acid clusters in ganglioside GM3 mimetic polymers. <i>Glycobiology</i> , 2007, 17, 568-577.	1.3	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.	1.8	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.	2.1	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.	1.4	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.	1.4	12
92	Two different forms of angiotensin I-converting enzyme from hog kidney.. <i>Chemical and Pharmaceutical Bulletin</i> , 1980, 28, 459-464.	0.6	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.	1.6	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.	1.1	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.	0.3	10
96	Plasma membrane sphingomyelin modulates thymocyte development by inhibiting TCR-induced apoptosis. <i>International Immunology</i> , 2019, 31, 211-223.	1.8	10
97	Homeostatic and pathogenic roles of the GM3 ganglioside. <i>FEBS Journal</i> , 2022, 289, 5152-5165.	2.2	10
98	Tripeptidyl Carboxypeptidase Activity of Angiotensin-Converting Enzyme in Human Tissues of the Urogenital Tract. <i>Urologia Internationalis</i> , 1985, 40, 100-102.	0.6	9
99	UDP-GlcNAc:Gal β 1 \rightarrow 3GalNAc (GlcNAc to GalNAc) β 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.	1.3	9
100	Roles of Gangliosides in Hypothalamic Control of Energy Balance: New Insights. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5349.	1.8	9
101	Modulation of Growth Factor Receptors in Membrane Microdomains. <i>Trends in Glycoscience and Glycotechnology</i> , 2008, 20, 353-371.	0.0	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.	1.1	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.	0.5	8
104	Glycoconjugates in the mammalian auditory system. <i>Journal of Neurochemistry</i> , 2011, 116, 756-763.	2.1	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.	0.9	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.	1.6	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.	1.3	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.	1.3	6

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109	Effects of Endoglycosamidase 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.	1.4	6
110	Glycosphingolipids govern gene expression. Glycoconjugate Journal, 2003, 20, 169-178.	1.4	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.	0.6	6
112	Inhibition of Ganglioside Biosynthesis as a Novel Therapeutic Approach in Insulin Resistance. Handbook of Experimental Pharmacology, 2011, , 165-178.	0.9	6
113	Hydrophobic nature of mammalian ceramide glycanases: purified from rabbit and rat mammary tissues.. Acta Biochimica Polonica, 1998, 45, 327-342.	0.3	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.	1.0	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.	3.9	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	1.4	4
119	Visual Function in Mice Lacking GM3 Synthase. Current Eye Research, 2019, 44, 664-670.	0.7	4
120	Ganglioside GM3 Synthase Deficiency in Mouse Models and Human Patients. International Journal of Molecular Sciences, 2022, 23, 5368.	1.8	4
121	Tripeptidyl carboxypeptidase activity of angiotensin I-converting enzyme in human tissues and fluids. Biochemical Society Transactions, 1986, 14, 1046-1047.	1.6	3
122	Pharmacological Modulation of Glycosphingolipid Metabolism. Methods in Molecular Biology, 2018, 1804, 401-410.	0.4	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, .	1.6	2
125	Tripeptidylcarboxypeptidase activity of angiotensin I converting enzyme in human serum.. Journal of Clinical Pathology, 1983, 36, 835-835.	1.0	1
126	Effects of halides on dipeptidyl and tripeptidyl carboxypeptidase activities of kininase II.. Chemical and Pharmaceutical Bulletin, 1984, 32, 237-243.	0.6	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.	1.4	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.	1.4	1
131	Gaucher's disease: increase of di- and tri-peptidyl carboxypeptidase in plasma. <i>Biochemical Society Transactions</i> , 1987, 15, 552-553.	1.6	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.	2.3	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.	1.1	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.	0.0	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.	0.0	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.	0.0	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
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