

Kei-Ichiro Inamori

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,282
citations

471509

17
h-index

526287

27
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32
all docs

32
docs citations

32
times ranked

1361
citing authors

#	ARTICLE	IF	CITATIONS
1	Dystroglycan Function Requires Xylosyl- and Glucuronyltransferase Activities of LARGE. <i>Science</i> , 2012, 335, 93-96.	12.6	264
2	Loss of α -Dystroglycan Laminin Binding in Epithelium-derived Cancers Is Caused by Silencing of LARGE. <i>Journal of Biological Chemistry</i> , 2009, 284, 11279-11284.	3.4	96
3	The glucuronyltransferase B4GAT1 is required for initiation of LARGE-mediated α -dystroglycan functional glycosylation. <i>ELife</i> , 2014, 3, .	6.0	96
4	N-Acetylglucosaminyltransferase IX Acts on the GlcNAc β 1,2-Man α 1-Ser/Thr Moiety, Forming a 2,6-Branched Structure in Brain O-Mannosyl Glycan. <i>Journal of Biological Chemistry</i> , 2004, 279, 2337-2340.	3.4	90
5	Molecular Cloning and Characterization of Human GnT-IX, a Novel β 1,6-N-Acetylglucosaminyltransferase That Is Specifically Expressed in the Brain. <i>Journal of Biological Chemistry</i> , 2003, 278, 43102-43109.	3.4	86
6	A serine protease zymogen functions as a pattern-recognition receptor for lipopolysaccharides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 953-958.	7.1	83
7	Loss of Branched O-Mannosyl Glycans in Astrocytes Accelerates Remyelination. <i>Journal of Neuroscience</i> , 2013, 33, 10037-10047.	3.6	65
8	A Newly Identified Horseshoe Crab Lectin with Specificity for Blood Group A Antigen Recognizes Specific O-Antigens of Bacterial Lipopolysaccharides. <i>Journal of Biological Chemistry</i> , 1999, 274, 3272-3278.	3.4	61
9	Xylosyl- and glucuronyltransferase functions of LARGE in α -dystroglycan modification are conserved in LARGE2. <i>Glycobiology</i> , 2013, 23, 295-302.	2.5	55
10	A Toll-like receptor in horseshoe crabs. <i>Immunological Reviews</i> , 2004, 198, 106-115.	6.0	49
11	Biology of GM3 Ganglioside. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 156, 151-195.	1.7	45
12	High expression of N-acetylglucosaminyltransferase V in favorable neuroblastomas: Involvement of its effect on apoptosis. <i>FEBS Letters</i> , 2006, 580, 627-632.	2.8	42
13	Role of dystroglycan in limiting contraction-induced injury to the sarcomeric cytoskeleton of mature skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10992-10997.	7.1	37
14	Systematic Synthesis of Bisubstrate-Type Inhibitors of N-Acetylglucosaminyltransferases. <i>Chemistry - A European Journal</i> , 2006, 12, 3449-3462.	3.3	29
15	Homeostatic and pathogenic roles of GM3 ganglioside molecular species in TLR4 signaling in obesity. <i>EMBO Journal</i> , 2020, 39, e101732.	7.8	25
16	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
17	Endogenous Glucuronyltransferase Activity of LARGE or LARGE2 Required for Functional Modification of α -Dystroglycan in Cells and Tissues. <i>Journal of Biological Chemistry</i> , 2014, 289, 28138-28148.	3.4	19
18	Synthesis of a Bisubstrate-Type Inhibitor of N-Acetylglucosaminyltransferases. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5674-5677.	13.8	17

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19	LARGE2-dependent glycosylation confers laminin-binding ability on proteoglycans. <i>Glycobiology</i> , 2016, 26, 1284-1296.	2.5	17
20	NPC1L1-dependent intestinal cholesterol absorption requires ganglioside GM3 in membrane microdomains. <i>Journal of Lipid Research</i> , 2018, 59, 2181-2187.	4.2	16
21	Deficient ganglioside synthesis restores responsiveness to leptin and melanocortin signaling in obese KKAY mice. <i>Journal of Lipid Research</i> , 2018, 59, 1472-1481.	4.2	16
22	Demonstration of the expression and the enzymatic activity of N-acetylglucosaminyltransferase IX in the mouse brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 678-684.	2.4	11
23	Homeostatic and pathogenic roles of the GM3 ganglioside. <i>FEBS Journal</i> , 2022, 289, 5152-5165.	4.7	10
24	Roles of Gangliosides in Hypothalamic Control of Energy Balance: New Insights. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5349.	4.1	9
25	Ganglioside GM3 Synthase Deficiency in Mouse Models and Human Patients. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5368.	4.1	4
26	Mannosyl (Alpha-1,6-)-Glycoprotein Beta-1,6-N-Acetyl-Glucosaminyltransferase, Isozyme B (MGAT5B). , 2014, , 247-255.		2
27	Like-Glycosyltransferase; Glycosyltransferase-Like 1B (LARGE, CYLTL1B). , 2014, , 1167-1179.		0
28	Regulation of Leptin Receptor Signaling by Gangliosides. <i>Trends in Glycoscience and Glycotechnology</i> , 2022, 34, E25-E28.	0.1	0
29	Regulation of Leptin Receptor Signaling by Gangliosides. <i>Trends in Glycoscience and Glycotechnology</i> , 2022, 34, J25-J28.	0.1	0