Kazuhisa Iwabuchi

List of Publications by Year
in descending order

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84	3,747	159585 30	128289 60
papers	citations	h-index	g-index

85	85	85	3943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A cathelicidin family of human antibacterial peptide LLâ€37 induces mast cell chemotaxis. Immunology, 2002, 106, 20-26.	4.4	374
2	New insights in glycosphingolipid function: "glycosignaling domain," a cell surface assembly of glycosphingolipids with signal transducer molecules, involved in cell adhesion coupled with signaling. Glycobiology, 1998, 8, xi-xviii.	2.5	291
3	GM3-enriched Microdomain Involved in Cell Adhesion and Signal Transduction through Carbohydrate-Carbohydrate Interaction in Mouse Melanoma B16 Cells. Journal of Biological Chemistry, 1998, 273, 9130-9138.	3.4	280
4	Separation of â€œGlycosphingolipid Signaling Domainâ€•from Caveolin-containing Membrane Fraction in Mouse Melanoma B16 Cells and Its Role in Cell Adhesion Coupled with Signaling. Journal of Biological Chemistry, 1998, 273, 33766-33773.	3.4	276
5	Hepatocyte Growth Factor Receptor Is a Coreceptor for Adeno-Associated Virus Type 2 Infection. Journal of Virology, 2005, 79, 609-614.	3.4	210
6	Glycosphingolipid-enriched Signaling Domain in Mouse Neuroblastoma Neuro2a Cells. Journal of Biological Chemistry, 1999, 274, 20916-20924.	3.4	165
7	Lactosylceramide-enriched glycosphingolipid signaling domain mediates superoxide generation from human neutrophils. Blood, 2002, 100, 1454-1464.	1.4	127
8	Different responses to oxidized low-density lipoproteins in human polarized macrophages. Lipids in Health and Disease, 2011, 10, 1.	3.0	113
9	Binding of laminin-1 to monosialoganglioside GM1 in lipid rafts is crucial for neurite outgrowth. Journal of Cell Science, 2009, 122, 289-299.	2.0	109
10	Involvement of very long fatty acid-containing lactosylceramide in lactosylceramide-mediated superoxide generation and migration in neutrophils. Glycoconjugate Journal, 2008, 25, 357-374.	2.7	101
11	Di-(2-ethylhexyl) phthalate induces production of inflammatory molecules in human macrophages. Inflammation Research, 2012, 61, 69-78.	4.0	98
12	Induction of human neutrophil chemotaxis by Candida albicans-derived Â-1,6-long glycoside side-chain-branched Â-glucan. Journal of Leukocyte Biology, 2006, 80, 204-211.	3.3	97
13	Transbilayer lipid distribution in nano scale. Journal of Cell Science, 2015, 128, 1627-38.	2.0	95
14	Distribution and Transport of Cholesterol-rich Membrane Domains Monitored by a Membrane-impermeant Fluorescent Polyethylene Glycol-derivatized Cholesterol. Journal of Biological Chemistry, 2004, 279, 23790-23796.	3.4	85
15	Lyn-coupled LacCer-enriched lipid rafts are required for CD11b/CD18-mediated neutrophil phagocytosis of nonopsonized microorganisms. Journal of Leukocyte Biology, 2008, 83, 728-741.	3.3	83
16	Sphingosine-dependent Protein Kinase-1, Directed to 14-3-3, Is Identified as the Kinase Domain of Protein Kinase CÎ´. Journal of Biological Chemistry, 2003, 278, 41557-41565.	3.4	66
17	Significance of glycosphingolipid fatty acid chain length on membrane microdomainâ€mediated signal transduction. FEBS Letters, 2010, 584, 1642-1652.	2.8	62
18	The regulatory roles of glycosphingolipidâ€enriched lipid rafts in immune systems. FEBS Letters, 2018, 592, 3921-3942.	2.8	60

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19	Lipoarabinomannan binding to lactosylceramide in lipid rafts is essential for the phagocytosis of mycobacteria by human neutrophils. Science Signaling, 2016, 9, ra101.	3.6	58
20	Role of glycosphingolipid-enriched microdomains in innate immunity: Microdomain-dependent phagocytic cell functions. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 383-392.	2.4	56
21	Connective tissue growth factor promotes articular damage by increased osteoclastogenesis in patients with rheumatoid arthritis. Arthritis Research and Therapy, 2009, 11, R174.	3.5	54
22	Role of very long fatty acid-containing glycosphingolipids in membrane organization and cell signaling: the model of lactosylceramide in neutrophils. Glycoconjugate Journal, 2009, 26, 615-621.	2.7	49
23	Lactosylceramide-enriched glycosphingolipid signaling domain mediates superoxide generation from human neutrophils. Blood, 2002, 100, 1454-64.	1.4	47
24	Direct interaction, instrumental for signaling processes, between LacCer and Lyn in the lipid rafts of neutrophil-like cells. Journal of Lipid Research, 2015, 56, 129-141.	4.2	46
25	Platelets activated by collagen through the immunoreceptor tyrosine-based activation motif in the Fc receptor Î³-chain play a pivotal role in the development of myocardial ischemia-reperfusion injury. Journal of Molecular and Cellular Cardiology, 2005, 39, 856-864.	1.9	40
26	Role of Ceramide from Glycosphingolipids and Its Metabolites in Immunological and Inflammatory Responses in Humans. Mediators of Inflammation, 2015, 2015, 1-10.	3.0	39
27	GSL-Enriched Membrane Microdomains in Innate Immune Responses. Archivum Immunologiae Et Therapiae Experimentalis, 2013, 61, 217-228.	2.3	36
28	Inhibition of Connective Tissue Growth Factor Ameliorates Disease in a Murine Model of Rheumatoid Arthritis. Arthritis and Rheumatism, 2013, 65, 1477-1486.	6.7	36
29	Proteomic analysis of plasma membrane lipid rafts of HLâ€60 cells. Proteomics, 2007, 7, 2398-2409.	2.2	35
30	Effect of Propofol on the Production of Inflammatory Cytokines by Human Polarized Macrophages. Mediators of Inflammation, 2019, 2019, 1-13.	3.0	34
31	Properties and functions of lactosylceramide from mouse neutrophils. Glycobiology, 2015, 25, 655-668.	2.5	32
32	Organization and functions of glycolipid-enriched microdomains in phagocytes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 90-97.	2.4	31
33	Effect of Synthetic Sialyl 2â†'1 Sphingosine and Other Glycosylsphingosines on the Structure and Function of the â€œGlycosphingolipid Signaling Domain (GSD)â€• in Mouse Melanoma B16 Cells. Biochemistry, 2000, 39, 2459-2468.	2.5	29
34	Isolation and mass spectrometry characterization of molecular species of lactosylceramides using liquid chromatography-electrospray ion trap mass spectrometry. Analytical Biochemistry, 2005, 337, 316-324.	2.4	29
35	Characterization of cDNA clones encoding guinea pig neutrophil cationic peptides. FEBS Letters, 1991, 280, 287-291.	2.8	26
36	Involvement of cholesterol-enriched microdomains in class A scavenger receptor-mediated responses in human macrophages. Atherosclerosis, 2011, 215, 60-69.	0.8	26

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37	The Novel Neutrophil Differentiation Marker Phosphatidylglucoside Mediates Neutrophil Apoptosis. Journal of Immunology, 2011, 186, 5323-5332.	0.8	25
38	Pseudomonas-Derived Ceramidase Induces Production of Inflammatory Mediators from Human Keratinocytes via Sphingosine-1-Phosphate. PLoS ONE, 2014, 9, e89402.	2.5	24
39	2-Methoxyestradiol Reduces Monocyte Adhesion to Aortic Endothelial Cells in Ovariectomized Rats. Endocrine Journal, 2007, 54, 1027-1031.	1.6	23
40	Evaluation of the expression of the cationic peptide gene in various types of leukocytes. FEBS Letters, 1992, 302, 279-283.	2.8	22
41	Expression of insulin-like growth factor-IA and factor-IB mRNA in human liver, hepatoma cells, macrophage-like cells and fibroblast. FEBS Letters, 1991, 280, 79-83.	2.8	21
42	Gangliosides in the Immune System: Role of Glycosphingolipids and Glycosphingolipid-Enriched Lipid Rafts in Immunological Functions. Methods in Molecular Biology, 2018, 1804, 83-95.	0.9	20
43	Short exposure of intestinal epithelial cells to TNF-Î± and histamine induces Mac-1-mediated neutrophil adhesion independent of protein synthesis. Journal of Leukocyte Biology, 1999, 66, 437-446.	3.3	18
44	Involvement of glycosphingolipid-enriched lipid rafts in inflammatory responses. Frontiers in Bioscience - Landmark, 2015, 20, 325-334.	3.0	17
45	Membrane microdomains in immunity: Glycosphingolipidâ€enriched domainâ€mediated innate immune responses. BioFactors, 2012, 38, 275-283.	5.4	16
46	Structure of the guinea pig neutrophil cationic peptide gene. FEBS Letters, 1992, 303, 31-35.	2.8	15
47	Glycolipids: Linchpins in the Organization and Function of Membrane Microdomains. Frontiers in Cell and Developmental Biology, 2020, 8, 589799.	3.7	13
48	KIF11 as a Potential Marker of Spermatogenesis Within Mouse Seminiferous Tubule Cross-sections. Journal of Histochemistry and Cytochemistry, 2019, 67, 813-824.	2.5	12
49	Integrative genomic and proteomic analyses identifies glycerol-3-phosphate acyltransferase as a target of low-dose ionizing radiation in EBV infected-B cells. International Journal of Radiation Biology, 2016, 92, 24-34.	1.8	11
50	Secreted aspartic proteinase from Candida albicans acts as a chemoattractant for peripheral neutrophils. Journal of Dermatological Science, 2013, 72, 191-193.	1.9	10
51	Mycobacterium avium-intracellulare complex promote release of pro-inflammatory enzymes matrix metalloproteinases by inducing neutrophil extracellular trap formation. Scientific Reports, 2022, 12, 5181.	3.3	9
52	Sphingolipids in Inflammation: From Bench to Bedside. Mediators of Inflammation, 2016, 2016, 1-2.	3.0	8
53	Editorial: Role of Lipid Rafts in Anti-microbial Immune Response. Frontiers in Immunology, 2021, 12, 654776.	4.8	7
54	Regenerating gene (REG) 1 alpha promotes pannus progression in patients with rheumatoid arthritis. Modern Rheumatology, 2012, 22, 228-237.	1.8	7

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55	Interplay of neuropilin-1 and semaphorin 3A after partial hepatectomy in rats. World Journal of Gastroenterology, 2012, 18, 5034.	3.3	7
56	Identification of anti-lipoarabinomannan antibodies against mannan core and their effects on phagocytosis of mycobacteria by human neutrophils. Tuberculosis, 2022, 132, 102165.	1.9	7
57	Lactosylceramide-enriched microdomains mediate human neutrophil immunological functions via carbohydrate-carbohydrate interaction. Glycoconjugate Journal, 2022, 39, 239-246.	2.7	7
58	Fluorescence imaging of ATP in neutrophils from patients with sepsis using organelle-localizable fluorescent chemosensors. Annals of Intensive Care, 2016, 6, 64.	4.6	6
59	Multiplicity of Glycosphingolipid-Enriched Microdomain-Driven Immune Signaling. International Journal of Molecular Sciences, 2021, 22, 9565.	4.1	6
60	Lysophosphatidylglucoside is a GPR55 -mediated chemotactic molecule for human monocytes and macrophages. Biochemical and Biophysical Research Communications, 2021, 569, 86-92.	2.1	6
61	Modulation of neutrophil adherence to endothelial cells by platelet-derived adherence-inhibiting factor through interactions with selectin molecules. Journal of Leukocyte Biology, 1998, 63, 500-508.	3.3	5
62	Kras promotes myeloid differentiation through Wnt/Î²â€catenin signaling. FASEB BioAdvances, 2019, 1, 435-449.	2.4	5
63	Structure and Functions of Glycosignaling Domain. Trends in Glycoscience and Glycotechnology, 2005, 17, 1-14.	0.1	5
64	Lactosylceramide is a Pattern Recognition Receptor that Forms Lyn-Coupled Membrane Microdomains on Neutrophils. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2008, 8, 327-335.	0.5	4
65	ACID EXPOSURE POTENTIATES INTERCELLULAR ADHESION MOLECULE-1 AND E-CADHERIN EXPRESSION ON A549 ALVEOLAR LINING EPITHELIAL CELLS. Experimental Lung Research, 2003, 29, 389-400.	1.2	2
66	Involvement of ganglioside GT1b in glutamate release from neuroblastoma cells. Neuroscience Letters, 2012, 517, 140-143.	2.1	2
67	Purification of the 28.5 kDa cytosolic protein involved in the activation of NADPH oxidase from guinea pig neutrophils. FEBS Letters, 1992, 302, 69-72.	2.8	1
68	Proteomic analysis of lactosylceramide-enriched membrane microdomains. Trends in Glycoscience and Glycotechnology, 2008, 20, 1-15.	0.1	1
69	Role of Stromal Microenvironment In Non-Pharmacological Resistance of CML to Tyrosine Kinase Inhibitors through Lyn/CXCR4 Interactions In Lipid Rafts.. Blood, 2010, 116, 3390-3390.	1.4	1
70	Glycosphingolipid-Enriched Lipid Rafts-Mediated Pathogen Recognition Systems. Trends in Glycoscience and Glycotechnology, 2019, 31, E141-E149.	0.1	1
71	Current Status and Issues of Learning Norovirus Infection Control of the Three Types of Staff Members Who Work at Special Elderly Nursing Home. Japanese Journal of Environmental Infections, 2020, 35, 168-174.	0.1	1
72	Complement Activation in Patients With Heat-Related Illnesses: Soluble CD59 Is a Novel Biomarker Indicating Severity of Heat-Related Illnesses. , 2022, 4, e0678.		1

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73	Decreased salivary vascular endothelial growth factor in elderly patients with pneumonia during the course of recovery. Geriatrics and Gerontology International, 2006, 6, 182-185.	1.5	0
74	Effects of benzo(a)pyrene on gene expression in three-dimensionally cultured human keratinocytes. Journal of Dermatological Science, 2013, 69, e17.	1.9	0
75	815. Critical Care Medicine, 2013, 41, A203.	0.9	0
76	2P211 Transbilayer and lateral lipid distribution in plasma membranes in nano scale(13A. Biological) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
77	Expression of phosphatidylglucoside in human skin disorders atopic dermatitis and psoriasis. Journal of Dermatological Science, 2016, 84, e107.	1.9	0
78	Special issue of â€œOrganization and functions of lipid membrane microdomainsâ€• Trends in Glycoscience and Glycotechnology, 2008, 20, 273-275.	0.1	0
79	Role of Stromal Microenvironment in Non-Pharmacological Resistance of CML to Imatinib through Lyn/CXCR4 Interactions.. Blood, 2009, 114, 4248-4248.	1.4	0
80	The novel neutrophil differentiation marker phosphatidylglucoside is involved in Fas-dependent apoptosis. Inflammation and Regeneration, 2012, 32, 213-221.	3.7	0
81	Ptdglc-Enriched Lipid Rafts Are a Novel Platform for Apoptosis Signaling in Human Neutrophilic Lineage Cells. Blood, 2015, 126, 4968-4968.	1.4	0
82	Molecular Mechanisms Underlying the Immunological Activities of Glycosphingolipid-Enriched Lipid Rafts in Phagocytes. , 2019, , .		0
83	Glycosphingolipid-Enriched Lipid Rafts-Mediated Pathogen Recognition Systems. Trends in Glycoscience and Glycotechnology, 2019, 31, J139-J147.	0.1	0
84	Physiotherapists' Awareness of Infection Prevention and Behaviors. Japanese Journal of Environmental Infections, 2020, 35, 87-96.	0.1	0