

Kazuhisa Iwabuchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4696263/publications.pdf>

Version: 2024-02-01

84
papers

3,747
citations

159358

30
h-index

128067

60
g-index

85
all docs

85
docs citations

85
times ranked

3943
citing authors

#	ARTICLE	IF	CITATIONS
1	A cathelicidin family of human antibacterial peptide LL-37 induces mast cell chemotaxis. <i>Immunology</i> , 2002, 106, 20-26.	2.0	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. <i>Glycobiology</i> , 1998, 8, xi-xviii.	1.3	291
3	GM3-enriched Microdomain Involved in Cell Adhesion and Signal Transduction through Carbohydrate-Carbohydrate Interaction in Mouse Melanoma B16 Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 9130-9138.	1.6	280
4	Separation of "Glycosphingolipid Signaling Domain" from Caveolin-containing Membrane Fraction in Mouse Melanoma B16 Cells and Its Role in Cell Adhesion Coupled with Signaling. <i>Journal of Biological Chemistry</i> , 1998, 273, 33766-33773.	1.6	276
5	Hepatocyte Growth Factor Receptor Is a Coreceptor for Adeno-Associated Virus Type 2 Infection. <i>Journal of Virology</i> , 2005, 79, 609-614.	1.5	210
6	Glycosphingolipid-enriched Signaling Domain in Mouse Neuroblastoma Neuro2a Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 20916-20924.	1.6	165
7	Lactosylceramide-enriched glycosphingolipid signaling domain mediates superoxide generation from human neutrophils. <i>Blood</i> , 2002, 100, 1454-1464.	0.6	127
8	Different responses to oxidized low-density lipoproteins in human polarized macrophages. <i>Lipids in Health and Disease</i> , 2011, 10, 1.	1.2	113
9	Binding of laminin-1 to monosialoganglioside GM1 in lipid rafts is crucial for neurite outgrowth. <i>Journal of Cell Science</i> , 2009, 122, 289-299.	1.2	109
10	Involvement of very long fatty acid-containing lactosylceramide in lactosylceramide-mediated superoxide generation and migration in neutrophils. <i>Glycoconjugate Journal</i> , 2008, 25, 357-374.	1.4	101
11	Di-(2-ethylhexyl) phthalate induces production of inflammatory molecules in human macrophages. <i>Inflammation Research</i> , 2012, 61, 69-78.	1.6	98
12	Induction of human neutrophil chemotaxis by <i>Candida albicans</i> -derived 1,6-long glycoside side-chain-branched α -glucan. <i>Journal of Leukocyte Biology</i> , 2006, 80, 204-211.	1.5	97
13	Transbilayer lipid distribution in nano scale. <i>Journal of Cell Science</i> , 2015, 128, 1627-38.	1.2	95
14	Distribution and Transport of Cholesterol-rich Membrane Domains Monitored by a Membrane-impermeant Fluorescent Polyethylene Glycol-derivatized Cholesterol. <i>Journal of Biological Chemistry</i> , 2004, 279, 23790-23796.	1.6	85
15	Lyn-coupled LacCer-enriched lipid rafts are required for CD11b/CD18-mediated neutrophil phagocytosis of nonopsonized microorganisms. <i>Journal of Leukocyte Biology</i> , 2008, 83, 728-741.	1.5	83
16	Sphingosine-dependent Protein Kinase-1, Directed to 14-3-3, Is Identified as the Kinase Domain of Protein Kinase C δ . <i>Journal of Biological Chemistry</i> , 2003, 278, 41557-41565.	1.6	66
17	Significance of glycosphingolipid fatty acid chain length on membrane microdomain-mediated signal transduction. <i>FEBS Letters</i> , 2010, 584, 1642-1652.	1.3	62
18	The regulatory roles of glycosphingolipid-enriched lipid rafts in immune systems. <i>FEBS Letters</i> , 2018, 592, 3921-3942.	1.3	60

#	ARTICLE	IF	CITATIONS
19	Lipoarabinomannan binding to lactosylceramide in lipid rafts is essential for the phagocytosis of mycobacteria by human neutrophils. <i>Science Signaling</i> , 2016, 9, ra101.	1.6	58
20	Role of glycosphingolipid-enriched microdomains in innate immunity: Microdomain-dependent phagocytic cell functions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 383-392.	1.1	56
21	Connective tissue growth factor promotes articular damage by increased osteoclastogenesis in patients with rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2009, 11, R174.	1.6	54
22	Role of very long fatty acid-containing glycosphingolipids in membrane organization and cell signaling: the model of lactosylceramide in neutrophils. <i>Glycoconjugate Journal</i> , 2009, 26, 615-621.	1.4	49
23	Lactosylceramide-enriched glycosphingolipid signaling domain mediates superoxide generation from human neutrophils. <i>Blood</i> , 2002, 100, 1454-64.	0.6	47
24	Direct interaction, instrumental for signaling processes, between LacCer and Lyn in the lipid rafts of neutrophil-like cells. <i>Journal of Lipid Research</i> , 2015, 56, 129-141.	2.0	46
25	Platelets activated by collagen through the immunoreceptor tyrosine-based activation motif in the Fc receptor β -3-chain play a pivotal role in the development of myocardial ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 39, 856-864.	0.9	40
26	Role of Ceramide from Glycosphingolipids and Its Metabolites in Immunological and Inflammatory Responses in Humans. <i>Mediators of Inflammation</i> , 2015, 2015, 1-10.	1.4	39
27	GSL-Enriched Membrane Microdomains in Innate Immune Responses. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2013, 61, 217-228.	1.0	36
28	Inhibition of Connective Tissue Growth Factor Ameliorates Disease in a Murine Model of Rheumatoid Arthritis. <i>Arthritis and Rheumatism</i> , 2013, 65, 1477-1486.	6.7	36
29	Proteomic analysis of plasma membrane lipid rafts of HL60 cells. <i>Proteomics</i> , 2007, 7, 2398-2409.	1.3	35
30	Effect of Propofol on the Production of Inflammatory Cytokines by Human Polarized Macrophages. <i>Mediators of Inflammation</i> , 2019, 2019, 1-13.	1.4	34
31	Properties and functions of lactosylceramide from mouse neutrophils. <i>Glycobiology</i> , 2015, 25, 655-668.	1.3	32
32	Organization and functions of glycolipid-enriched microdomains in phagocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 90-97.	1.2	31
33	Effect of Synthetic Sialyl β 1 Sphingosine and Other Glycosylsphingosines on the Structure and Function of the α -Glycosphingolipid Signaling Domain (GSD) in Mouse Melanoma B16 Cells. <i>Biochemistry</i> , 2000, 39, 2459-2468.	1.2	29
34	Isolation and mass spectrometry characterization of molecular species of lactosylceramides using liquid chromatography-electrospray ion trap mass spectrometry. <i>Analytical Biochemistry</i> , 2005, 337, 316-324.	1.1	29
35	Characterization of cDNA clones encoding guinea pig neutrophil cationic peptides. <i>FEBS Letters</i> , 1991, 280, 287-291.	1.3	26
36	Involvement of cholesterol-enriched microdomains in class A scavenger receptor-mediated responses in human macrophages. <i>Atherosclerosis</i> , 2011, 215, 60-69.	0.4	26

#	ARTICLE	IF	CITATIONS
37	The Novel Neutrophil Differentiation Marker Phosphatidylglucoside Mediates Neutrophil Apoptosis. <i>Journal of Immunology</i> , 2011, 186, 5323-5332.	0.4	25
38	<i>Pseudomonas</i> -Derived Ceramidase Induces Production of Inflammatory Mediators from Human Keratinocytes via Sphingosine-1-Phosphate. <i>PLoS ONE</i> , 2014, 9, e89402.	1.1	24
39	2-Methoxyestradiol Reduces Monocyte Adhesion to Aortic Endothelial Cells in Ovariectomized Rats. <i>Endocrine Journal</i> , 2007, 54, 1027-1031.	0.7	23
40	Evaluation of the expression of the cationic peptide gene in various types of leukocytes. <i>FEBS Letters</i> , 1992, 302, 279-283.	1.3	22
41	Expression of insulin-like growth factor-IA and factor-IB mRNA in human liver, hepatoma cells, macrophage-like cells and fibroblast. <i>FEBS Letters</i> , 1991, 280, 79-83.	1.3	21
42	Gangliosides in the Immune System: Role of Glycosphingolipids and Glycosphingolipid-Enriched Lipid Rafts in Immunological Functions. <i>Methods in Molecular Biology</i> , 2018, 1804, 83-95.	0.4	20
43	Short exposure of intestinal epithelial cells to TNF- α and histamine induces Mac-1-mediated neutrophil adhesion independent of protein synthesis. <i>Journal of Leukocyte Biology</i> , 1999, 66, 437-446.	1.5	18
44	Involvement of glycosphingolipid-enriched lipid rafts in inflammatory responses. <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 325-334.	3.0	17
45	Membrane microdomains in immunity: Glycosphingolipid-enriched domain-mediated innate immune responses. <i>BioFactors</i> , 2012, 38, 275-283.	2.6	16
46	Structure of the guinea pig neutrophil cationic peptide gene. <i>FEBS Letters</i> , 1992, 303, 31-35.	1.3	15
47	Glycolipids: Linchpins in the Organization and Function of Membrane Microdomains. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 589799.	1.8	13
48	KIF11 as a Potential Marker of Spermatogenesis Within Mouse Seminiferous Tubule Cross-sections. <i>Journal of Histochemistry and Cytochemistry</i> , 2019, 67, 813-824.	1.3	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. <i>International Journal of Radiation Biology</i> , 2016, 92, 24-34.	1.0	11
50	Secreted aspartic proteinase from <i>Candida albicans</i> acts as a chemoattractant for peripheral neutrophils. <i>Journal of Dermatological Science</i> , 2013, 72, 191-193.	1.0	10
51	<i>Mycobacterium avium</i> -intracellulare complex promote release of pro-inflammatory enzymes matrix metalloproteinases by inducing neutrophil extracellular trap formation. <i>Scientific Reports</i> , 2022, 12, 5181.	1.6	9
52	Sphingolipids in Inflammation: From Bench to Bedside. <i>Mediators of Inflammation</i> , 2016, 2016, 1-2.	1.4	8
53	Editorial: Role of Lipid Rafts in Anti-microbial Immune Response. <i>Frontiers in Immunology</i> , 2021, 12, 654776.	2.2	7
54	Regenerating gene (REG) 1 alpha promotes pannus progression in patients with rheumatoid arthritis. <i>Modern Rheumatology</i> , 2012, 22, 228-237.	0.9	7

#	ARTICLE	IF	CITATIONS
55	Interplay of neuropilin-1 and semaphorin 3A after partial hepatectomy in rats. <i>World Journal of Gastroenterology</i> , 2012, 18, 5034.	1.4	7
56	Identification of anti-lipoarabinomannan antibodies against mannan core and their effects on phagocytosis of mycobacteria by human neutrophils. <i>Tuberculosis</i> , 2022, 132, 102165.	0.8	7
57	Lactosylceramide-enriched microdomains mediate human neutrophil immunological functions via carbohydrate-carbohydrate interaction. <i>Glycoconjugate Journal</i> , 2022, 39, 239-246.	1.4	7
58	Fluorescence imaging of ATP in neutrophils from patients with sepsis using organelle-localizable fluorescent chemosensors. <i>Annals of Intensive Care</i> , 2016, 6, 64.	2.2	6
59	Multiplicity of Glycosphingolipid-Enriched Microdomain-Driven Immune Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9565.	1.8	6
60	Lysophosphatidylglucoside is a GPR55 -mediated chemotactic molecule for human monocytes and macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2021, 569, 86-92.	1.0	6
61	Modulation of neutrophil adherence to endothelial cells by platelet-derived adherence-inhibiting factor through interactions with selectin molecules. <i>Journal of Leukocyte Biology</i> , 1998, 63, 500-508.	1.5	5
62	Kras promotes myeloid differentiation through Wnt/ β -catenin signaling. <i>FASEB BioAdvances</i> , 2019, 1, 435-449.	1.3	5
63	Structure and Functions of Glycosignaling Domain. <i>Trends in Glycoscience and Glycotechnology</i> , 2005, 17, 1-14.	0.0	5
64	Lactosylceramide is a Pattern Recognition Receptor that Forms Lyn-Coupled Membrane Microdomains on Neutrophils. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 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. <i>Experimental Lung Research</i> , 2003, 29, 389-400.	0.5	2
66	Involvement of ganglioside GT1b in glutamate release from neuroblastoma cells. <i>Neuroscience Letters</i> , 2012, 517, 140-143.	1.0	2
67	Purification of the 28.5 kDa cytosolic protein involved in the activation of NADPH oxidase from guinea pig neutrophils. <i>FEBS Letters</i> , 1992, 302, 69-72.	1.3	1
68	Proteomic analysis of lactosylceramide-enriched membrane microdomains. <i>Trends in Glycoscience and Glycotechnology</i> , 2008, 20, 1-15.	0.0	1
69	Role of Stromal Microenvironment In Non-Pharmacological Resistance of CML to Tyrosine Kinase Inhibitors through Lyn/CXCR4 Interactions In Lipid Rafts.. <i>Blood</i> , 2010, 116, 3390-3390.	0.6	1
70	Glycosphingolipid-Enriched Lipid Rafts-Mediated Pathogen Recognition Systems. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, E141-E149.	0.0	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. <i>Japanese Journal of Environmental Infections</i> , 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

#	ARTICLE	IF	CITATIONS
73	Decreased salivary vascular endothelial growth factor in elderly patients with pneumonia during the course of recovery. <i>Geriatrics and Gerontology International</i> , 2006, 6, 182-185.	0.7	0
74	Effects of benzo(a)pyrene on gene expression in three-dimensionally cultured human keratinocytes. <i>Journal of Dermatological Science</i> , 2013, 69, e17.	1.0	0
75	815. <i>Critical Care Medicine</i> , 2013, 41, A203.	0.4	0
76	2P211 Transbilayer and lateral lipid distribution in plasma membranes in nano scale(13A. <i>Biological</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	0
77	Expression of phosphatidylglucoside in human skin disorders atopic dermatitis and psoriasis. <i>Journal of Dermatological Science</i> , 2016, 84, e107.	1.0	0
78	Special issue of "Organization and functions of lipid membrane microdomains" Trends in Glycoscience and Glycotechnology, 2008, 20, 273-275.	0.0	0
79	Role of Stromal Microenvironment in Non-Pharmacological Resistance of CML to Imatinib through Lyn/CXCR4 Interactions.. <i>Blood</i> , 2009, 114, 4248-4248.	0.6	0
80	The novel neutrophil differentiation marker phosphatidylglucoside is involved in Fas-dependent apoptosis. <i>Inflammation and Regeneration</i> , 2012, 32, 213-221.	1.5	0
81	Ptdglc-Enriched Lipid Rafts Are a Novel Platform for Apoptosis Signaling in Human Neutrophilic Lineage Cells. <i>Blood</i> , 2015, 126, 4968-4968.	0.6	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. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, J139-J147.	0.0	0
84	Physiotherapists' Awareness of Infection Prevention and Behaviors. <i>Japanese Journal of Environmental Infections</i> , 2020, 35, 87-96.	0.1	0