

# Kazuya Kabayama

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,639  
citations

393982

19  
h-index

288905

40  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detachment of RAW264.7 macrophages from a culture dish using ultrasound excited by a Langevin transducer. Journal of Bioscience and Bioengineering, 2021, 131, 320-325.	1.1	5
2	Immune-emitting cancer therapy using <sup>211</sup> Pb-AMT targeting LAT1. Cancer Science, 2021, 112, 1132-1140.	1.0	31
3	Concise and Reliable Syntheses of Glycodendrimers via Self-Activating Click Chemistry: A Robust Strategy for Mimicking Multivalent Glycan-Pathogen Interactions. Journal of Organic Chemistry, 2020, 85, 16014-16023.	1.7	9
4	Temporal analysis of localization and trafficking of glycolipids. Biochemical and Biophysical Research Communications, 2020, 532, 19-24.	1.0	0
5	Session 2SHP report "decoding intracellular architecture using visualizing device development and mathematical modeling. Biophysical Reviews, 2020, 12, 281-282.	1.5	1
6	Deficiency of sphingomyelin synthase 2 prolongs survival by the inhibition of lymphoma infiltration through ICAM-1 reduction. FASEB Journal, 2020, 34, 3838-3854.	0.2	15
7	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. Angewandte Chemie - International Edition, 2019, 58, 18697-18702.	7.2	29
8	Syntheses and Functional Studies of Self-Adjuvanting Anti-HER2 Cancer Vaccines. Chemistry - an Asian Journal, 2019, 14, 4268-4273.	1.7	12
9	Analysis of electrostatic interaction between ganglioside GM3 and transmembrane peptide. AIP Conference Proceedings, 2019, , .	0.3	0
10	Elucidation of isoflurane action mechanism on surgical diabetes using microfluidic device. AIP Conference Proceedings, 2019, , .	0.3	0
11	Development of GalNAc Antibody Conjugates to Increase Immune Response by Recruiting Natural Antibodies. Angewandte Chemie - International Edition, 2019, 58, 4526-4530.	7.2	23
12	Function and Structure Analysis of Glycolipid Microdomains. Trends in Glycoscience and Glycotechnology, 2019, 31, SE78-SE79.	0.0	0
13	Time-lapse monitoring of TLR2 ligand internalization with newly developed fluorescent probes. Organic and Biomolecular Chemistry, 2018, 16, 3824-3830.	1.5	5
14	Function and Structure Analysis of Glycolipid Microdomains. Trends in Glycoscience and Glycotechnology, 2018, 30, E47-E53.	0.0	1
15	NPC1L1-dependent intestinal cholesterol absorption requires ganglioside GM3 in membrane microdomains. Journal of Lipid Research, 2018, 59, 2181-2187.	2.0	16
16	Porous nanosheet wrapping for live imaging of suspension cells. Journal of Materials Chemistry B, 2018, 6, 6622-6628.	2.9	11
17	Syntheses and Immunological Evaluation of Self-Adjuvanting Clustered N-Acetyl and N-Propionyl Sialyl-Tn Combined with a Helper Cell Epitope as Antitumor Vaccine Candidates. Angewandte Chemie - International Edition, 2018, 57, 8219-8224.	7.2	31
18	Biology of GM3 Ganglioside. Progress in Molecular Biology and Translational Science, 2018, 156, 151-195.	0.9	45

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19	Effect of the volatile anesthetic agent isoflurane on lateral diffusion of cell membrane proteins. FEBS Open Bio, 2018, 8, 1127-1134.	1.0	6
20	Purification of Pyridylaminated Oligosaccharides Using 1,2-Dichloroethane Extraction. Analytical Sciences, 2016, 32, 487-490.	0.8	3
21	Spatial Chemical Stimulation Control in Microenvironment by Microfluidic Probe Integrated Device for Cell-Based Assay. PLoS ONE, 2016, 11, e0168158.	1.1	6
22	Effect of <i>Oenothera odorata</i> Root Extract on Microgravity and Disuse-Induced Muscle Atrophy. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	0.5	9
23	Structural Characterization of Neutral Glycosphingolipids from 3T3-L1 Adipocytes. Lipids, 2015, 50, 913-917.	0.7	5
24	Pinpoint chemical stimulation at a single-cell scale by microfluidic technology. , 2014, , .		0
25	Syntheses of lactosyl ceramide analogues carrying novel bifunctional BODIPY dyes directed towards the differential analysis of multiplexed glycosphingolipids by MS/MS using iTRAQ. Chemical Communications, 2014, 50, 3010-3013.	2.2	15
26	Atmospheric-Pressure Plasma Jet Irradiation onto Main Components of the Cell Wall and Membrane of <i>Escherichia Coli</i> . E-Journal of Surface Science and Nanotechnology, 2014, 12, 400-403.	0.1	3
27	Simple and rapid removal of the interference in gangliosides extracted from HPTLC spot on MALDI-TOF MS analysis. Analytical Methods, 2013, 5, 6617.	1.3	7
28	Biochemical studies on sphingolipids of <i>Artemia franciscana</i> : complex neutral glycosphingolipids. Glycoconjugate Journal, 2013, 30, 257-268.	1.4	12
29	Characterization of anti-Tn-antigen MLS128 binding proteins involved in inhibiting the growth of human colorectal cancer cells. BioScience Trends, 2013, , .	1.1	3
30	Possible association of Neu2 with plasma membrane fraction from mouse thymus exhibited sialidase activity with fetuin at p<sc>H</sc> 7.0 but not at pH 4.5. Microbiology and Immunology, 2013, 57, 569-582.	0.7	10
31	Temperature dependent study of thermal diffusion for aqueous solutions of $\hat{1}\pm$ , $\hat{1}^2$ , and $\hat{1}^3$ - cyclodextrin. , 2013, , .		1
32	Convenient and rapid removal of detergent from glycolipids in detergent-resistant membrane microdomains. Journal of Lipid Research, 2012, 53, 599-608.	2.0	18
33	Dissociation of the insulin receptor from caveolae during TNF $\hat{1}\pm$ -induced insulin resistance and its recovery by <sc>d</sc>-PDMP. FEBS Letters, 2012, 586, 191-195.	1.3	27
34	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.	3.3	123
35	Modulation of Growth Factor Receptors in Membrane Microdomains. Trends in Glycoscience and Glycotechnology, 2008, 20, 353-371.	0.0	9
36	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.	3.3	344

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37	Cell growth arrest by sialic acid clusters in ganglioside GM3 mimetic polymers. <i>Glycobiology</i> , 2007, 17, 568-577.	1.3	13
38	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
39	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
40	Structure and function of lipid rafts in human activated T cells. <i>International Immunology</i> , 2005, 17, 749-758.	1.8	45
41	TNF $\alpha$ -induced insulin resistance in adipocytes as a membrane microdomain disorder: involvement of ganglioside GM3. <i>Glycobiology</i> , 2004, 15, 21-29.	1.3	139
42	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
43	Convenient synthesis and evaluation of glycosidase inhibitory activity of $\hat{1}\pm$ - and $\hat{1}^2$ -galactose-type valienamines, and some N -alkyl derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 995-1002.	1.4	36
44	Glycosphingolipids govern gene expression. <i>Glycoconjugate Journal</i> , 2003, 20, 169-178.	1.4	6
45	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
46	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
47	Ganglioside GM3 Participates in the Pathological Conditions of Insulin Resistance. <i>Journal of Biological Chemistry</i> , 2002, 277, 3085-3092.	1.6	319
48	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
49	Development of a New Inhibitor of Glucosylceramide Synthase. <i>Journal of Biochemistry</i> , 2000, 127, 485-491.	0.9	22
50	Glycosphingolipid deficiency affects functional microdomain formation in Lewis lung carcinoma cells. <i>Glycoconjugate Journal</i> , 2000, 17, 239-245.	1.4	29
51	Chemical modification of $\hat{1}^2$ -glucocerebrosidase inhibitor N -octyl- $\hat{1}^2$ -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