

Susumu Mitsutake

List of Publications by Year in descending order

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31
papers

1,293
citations

394421

19
h-index

434195

31
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32
all docs

32
docs citations

32
times ranked

4023
citing authors

#	ARTICLE	IF	CITATIONS
1	Decreased Amyloid- β Pathologies by Intracerebral Loading of Glycosphingolipid-enriched Exosomes in Alzheimer Model Mice. <i>Journal of Biological Chemistry</i> , 2014, 289, 24488-24498.	3.4	260
2	Dynamic Modification of Sphingomyelin in Lipid Microdomains Controls Development of Obesity, Fatty Liver, and Type 2 Diabetes. <i>Journal of Biological Chemistry</i> , 2011, 286, 28544-28555.	3.4	162
3	Regulation of Autophagy and Its Associated Cell Death by α -Sphingolipid Rheostat. <i>Journal of Biological Chemistry</i> , 2012, 287, 39898-39910.	3.4	120
4	Ceramide Kinase Is a Mediator of Calcium-dependent Degranulation in Mast Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 17570-17577.	3.4	118
5	Ceramide kinase deficiency improves diet-induced obesity and insulin resistance. <i>FEBS Letters</i> , 2012, 586, 1300-1305.	2.8	58
6	Pathological roles of ceramide and its metabolites in metabolic syndrome and Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 793-798.	2.4	57
7	Calmodulin Is Involved in the Ca ²⁺ -dependent Activation of Ceramide Kinase as a Calcium Sensor. <i>Journal of Biological Chemistry</i> , 2005, 280, 40436-40441.	3.4	56
8	Japanese traditional dietary fungus koji <i>Aspergillus oryzae</i> functions as a prebiotic for <i>Blautia coccooides</i> through glycosylceramide: Japanese dietary fungus koji is a new prebiotic. <i>SpringerPlus</i> , 2016, 5, 1321.	1.2	41
9	The generation and behavioral analysis of ceramide kinase-null mice, indicating a function in cerebellar Purkinje cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 519-524.	2.1	40
10	Qualitative and Quantitative Cellular Glycomics of Glycosphingolipids Based on Rhodococcal Endoglycosylceramidase-assisted Glycan Cleavage, Glycoblotting-assisted Sample Preparation, and Matrix-assisted Laser Desorption Ionization Tandem Time-of-flight Mass Spectrometry Analysis*. <i>Journal of Biological Chemistry</i> , 2011, 286, 41669-41679.	3.4	40
11	Sphingomyelin generated by sphingomyelin synthase 1 is involved in attachment and infection with Japanese encephalitis virus. <i>Scientific Reports</i> , 2016, 6, 37829.	3.3	33
12	4,8-Sphingadienine and 4-hydroxy-8-sphingenine activate ceramide production in the skin. <i>Lipids in Health and Disease</i> , 2012, 11, 108.	3.0	30
13	Possible roles of long-chain sphingomyelins and sphingomyelin synthase 2 in mouse macrophage inflammatory response. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 202-207.	2.1	30
14	Glucosylceramide Contained in Koji Mold-Cultured Cereal Confers Membrane and Flavor Modification and Stress Tolerance to <i>Saccharomyces cerevisiae</i> during Coculture Fermentation. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3688-3698.	3.1	27
15	Improved High-Fat Diet-Induced Glucose Intolerance by an Oral Administration of Phytosphingosine. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 194-197.	1.3	26
16	Sphingomyelin Synthase 2, but Not Sphingomyelin Synthase 1, Is Involved in HIV-1 Envelope-mediated Membrane Fusion. <i>Journal of Biological Chemistry</i> , 2014, 289, 30842-30856.	3.4	26
17	Transbilayer movement of ceramide in the plasma membrane of live cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 622-627.	2.1	23
18	Phytosphingosine is a novel activator of GPR120. <i>Journal of Biochemistry</i> , 2018, 164, 27-32.	1.7	21

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19	Chemical Analysis of the Sugar Moiety of Monohexosylceramide Contained in Koji, Japanese Traditional Rice Fermented with <i>Aspergillus</i> . <i>Fermentation</i> , 2016, 2, 2.	3.0	20
20	Evaluation of synthetic sphingolipid analogs as ligands for peroxisome proliferator-activated receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1643-1646.	2.2	15
21	A sensitive cell-based method to screen for selective inhibitors of SMS1 or SMS2 using HPLC and a fluorescent substrate. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 760-768.	3.2	14
22	<i>Koji</i> glycosylceramide commonly contained in Japanese traditional fermented foods alters cholesterol metabolism in obese mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1514-1522.	1.3	13
23	Sphingolipids in Lipid Microdomains and Obesity. <i>Vitamins and Hormones</i> , 2013, 91, 271-284.	1.7	12
24	Sphingomyelin in microdomains of the plasma membrane regulates amino acid-stimulated mTOR signal activation. <i>Cell Biology International</i> , 2018, 42, 823-831.	3.0	12
25	The fungal 9-methyl-sphingadiene is a novel ligand for both PPAR β and GPR120. <i>Journal of Food Biochemistry</i> , 2018, 42, e12624.	2.9	10
26	Teadenol A in microbial fermented tea acts as a novel ligand on GPR120 to increase GLP-1 secretion. <i>Food and Function</i> , 2020, 11, 10534-10541.	4.6	8
27	Ceramide kinase is not essential but might act as a Ca ²⁺ -sensor for mast cell activation. <i>Prostaglandins and Other Lipid Mediators</i> , 2010, 93, 109-112.	1.9	5
28	Konjac ceramide (kCer) regulates keratinocyte migration by Sema3A-like repulsion mechanism. <i>Biochemistry and Biophysics Reports</i> , 2019, 17, 132-138.	1.3	4
29	The molecular mechanism of phytosphingosine binding to FFAR4/GPR120 differs from that of other fatty acids. <i>FEBS Open Bio</i> , 2021, 11, 3081-3089.	2.3	4
30	Relationship Between the Limonoid Content in Different Parts of the Sour Orange (<i>Citrus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 384-393.	0.8	3
31	Liberation of eicosapentaenoic acid and degradation of the major cell wall polysaccharide porphyran by fermentation of nori, the dried thalli of <i>Pyropia yezoensis</i> , with koji. <i>Journal of Applied Phycology</i> , 0, , 1.	2.8	1