Anthony H Futerman

List of Publications by Year
in descending order

233 papers	16,026 citations	14614 66 h-index	19690 117 g-index
240 all docs	240 docs citations	240 times ranked	14165 citing authors

#	Article	IF	Citations
1	The cell biology of lysosomal storage disorders. Nature Reviews Molecular Cell Biology, 2004, 5, 554-565.	16.1	688
2	The complex life of simple sphingolipids. EMBO Reports, 2004, 5, 777-782.	2.0	591
3	Characterization of Ceramide Synthase 2. Journal of Biological Chemistry, 2008, 283, 5677-5684.	1.6	410
4	When Do Lasses (Longevity Assurance Genes) Become CerS (Ceramide Synthases)?. Journal of Biological Chemistry, 2006, 281, 25001-25005.	1.6	393
5	CerS2 Haploinsufficiency Inhibits Î²-Oxidation and Confers Susceptibility to Diet-Induced Steatohepatitis and Insulin Resistance. Cell Metabolism, 2014, 20, 687-695.	7.2	379
6	Mammalian ceramide synthases. IUBMB Life, 2010, 62, 347-356.	1.5	377
7	Production of glucocerebrosidase with terminal mannose glycans for enzyme replacement therapy of Gaucher's disease using a plant cell system. Plant Biotechnology Journal, 2007, 5, 579-590.	4.1	371
8	A Dynamic Interface between Vacuoles and Mitochondria in Yeast. Developmental Cell, 2014, 30, 95-102.	3.1	321
9	The ins and outs of sphingolipid synthesis. Trends in Cell Biology, 2005, 15, 312-318.	3.6	299
10	Common and Uncommon Pathogenic Cascades in Lysosomal Storage Diseases. Journal of Biological Chemistry, 2010, 285, 20423-20427.	1.6	298
11	The metabolism and function of sphingolipids and glycosphingolipids. Cellular and Molecular Life Sciences, 2007, 64, 2270-2284.	2.4	291
12	Two Mammalian Longevity Assurance Gene (LAG1) Family Members, trh1 and trh4, Regulate Dihydroceramide Synthesis Using Different Fatty Acyl-CoA Donors. Journal of Biological Chemistry, 2003, 278, 43452-43459.	1.6	258
13	Upstream of Growth and Differentiation Factor 1 (uog1), a Mammalian Homolog of the Yeast Longevity Assurance Gene 1 (LAG1), RegulatesN-Stearoyl-sphinganine (C18-(Dihydro)ceramide) Synthesis in a Fumonisin B1-independent Manner in Mammalian Cells. Journal of Biological Chemistry, 2002, 277, 35642-35649.	1.6	252
14	Xâ€ray structure of human acidâ€Î²â€glucosidase, the defective enzyme in Gaucher disease. EMBO Reports, 2003, 4, 704-709.	2.0	244
15	Gaucher disease: pathological mechanisms and modern management. British Journal of Haematology, 2005, 129, 178-188.	1.2	240
16	A Critical Role for Ceramide Synthase 2 in Liver Homeostasis. Journal of Biological Chemistry, 2010, 285, 10902-10910.	1.6	213
17	A Critical Role for Ceramide Synthase 2 in Liver Homeostasis. Journal of Biological Chemistry, 2010, 285, 10911-10923.	1.6	200
18	The economics of neurite outgrowth â€" the addition of new membrane to growing axons. Trends in Neurosciences, 1996, 19, 144-149.	4.2	194

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19	Ceramide Signaling Downstream of the p75 Neurotrophin Receptor Mediates the Effects of Nerve Growth Factor on Outgrowth of Cultured Hippocampal Neurons. Journal of Neuroscience, 1999, 19, 8199-8206.	1.7	184
20	Ceramide synthases as potential targets for therapeutic intervention in human diseases. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 671-681.	1.2	183
21	Effect of ceramide structure on membrane biophysical properties: The role of acyl chain length and unsaturation. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2753-2760.	1.4	172
22	Elevation of Intracellular Glucosylceramide Levels Results in an Increase in Endoplasmic Reticulum Density and in Functional Calcium Stores in Cultured Neurons. Journal of Biological Chemistry, 1999, 274, 21673-21678.	1.6	168
23	Ablation of Ceramide Synthase 2 Causes Chronic Oxidative Stress Due to Disruption of the Mitochondrial Respiratory Chain. Journal of Biological Chemistry, 2013, 288, 4947-4956.	1.6	165
24	Sphingolipid Depletion Increases Formation of the Scrapie Prion Protein in Neuroblastoma Cells Infected with Prions. Journal of Biological Chemistry, 1999, 274, 20763-20771.	1.6	155
25	Glucosylceramide and Glucosylsphingosine Modulate Calcium Mobilization from Brain Microsomes via Different Mechanisms. Journal of Biological Chemistry, 2003, 278, 23594-23599.	1.6	151
26	RIPK3 as a potential therapeutic target for Gaucher's disease. Nature Medicine, 2014, 20, 204-208.	15.2	147
27	A Regulatory Role for Sphingolipids in Neuronal Growth. Journal of Biological Chemistry, 1995, 270, 10990-10998.	1.6	146
28	Distinct Roles for Ceramide and Glucosylceramide at Different Stages of Neuronal Growth. Journal of Neuroscience, 1997, 17, 2929-2938.	1.7	145
29	Ceramide as a second messenger: sticky solutions to sticky problems. Trends in Cell Biology, 2000, 10, 408-412.	3.6	145
30	Cholera Toxin Is Found in Detergent-insoluble Rafts/Domains at the Cell Surface of Hippocampal Neurons but Is Internalized via a Raft-independent Mechanism. Journal of Biological Chemistry, 2001, 276, 9182-9188.	1.6	143
31	Ceramide Synthases: Roles in Cell Physiology and Signaling. Advances in Experimental Medicine and Biology, 2010, 688, 60-71.	0.8	142
32	Lysosomal storage disorders and Parkinson's disease: Gaucher disease and beyond. Movement Disorders, 2011, 26, 1593-1604.	2.2	141
33	Ablation of very long acyl chain sphingolipids causes hepatic insulin resistance in mice due to altered detergent-resistant membranes. Hepatology, 2013, 57, 525-532.	3.6	140
34	Impaired Epidermal Ceramide Synthesis Causes Autosomal Recessive Congenital Ichthyosis and Reveals the Importance of Ceramide Acyl Chain Length. Journal of Investigative Dermatology, 2013, 133, 2202-2211.	0.3	138
35	The complexity of sphingolipid biosynthesis in the endoplasmic reticulum. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2511-2518.	1.9	136
36	Enhanced calcium release in the acute neuronopathic form of Gaucher disease. Neurobiology of Disease, 2005, 18, 83-88.	2.1	134

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37	Contribution of brain inflammation to neuronal cell death in neuronopathic forms of Gaucher's disease. Brain, 2012, 135, 1724-1735.	3.7	132
38	Inhibition of Calcium Uptake via the Sarco/Endoplasmic Reticulum Ca2+-ATPase in a Mouse Model of Sandhoff Disease and Prevention by Treatment with N-Butyldeoxynojirimycin. Journal of Biological Chemistry, 2003, 278, 29496-29501.	1.6	129
39	The Role of the Ceramide Acyl Chain Length in Neurodegeneration: Involvement of Ceramide Synthases. NeuroMolecular Medicine, 2010, 12, 341-350.	1.8	128
40	Death-associated Protein (DAP) Kinase Plays a Central Role in Ceramide-induced Apoptosis in Cultured Hippocampal Neurons. Journal of Biological Chemistry, 2002, 277, 1957-1961.	1.6	125
41	Neuronal accumulation of glucosylceramide in a mouse model of neuronopathic Gaucher disease leads to neurodegeneration. Human Molecular Genetics, 2014, 23, 843-854.	1.4	123
42	Nerve Growth Factor-induced p75-mediated Death of Cultured Hippocampal Neurons Is Age-dependent and Transduced through Ceramide Generated by Neutral Sphingomyelinase. Journal of Biological Chemistry, 2002, 277, 9812-9818.	1.6	113
43	Characterization of gene-activated human acid-Â-glucosidase: Crystal structure, glycan composition, and internalization into macrophages. Glycobiology, 2010, 20, 24-32.	1.3	113
44	Crystal Structures of Complexes of N-Butyl- and N-Nonyl-Deoxynojirimycin Bound to Acid Î²-Glucosidase. Journal of Biological Chemistry, 2007, 282, 29052-29058.	1.6	109
45	Sphingoid long chain bases prevent lung infection by Pseudomonas aeruginosa. EMBO Molecular Medicine, 2014, 6, 1205-1214.	3.3	109
46	Ceramide Synthesis Is Modulated by the Sphingosine Analog FTY720 via a Mixture of Uncompetitive and Noncompetitive Inhibition in an Acyl-CoA Chain Length-de pend ent Manner. Journal of Biological Chemistry, 2009, 284, 16090-16098.	1.6	108
47	The roles of ceramide and complex sphingolipids in neuronal cell function. Pharmacological Research, 2003, 47, 409-419.	3.1	105
48	LASS5 Is a Bona Fide Dihydroceramide Synthase That Selectively Utilizes Palmitoyl-CoA as Acyl Donor. Journal of Biological Chemistry, 2005, 280, 33735-33738.	1.6	105
49	(Dihydro)ceramide Synthase 1â€“Regulated Sensitivity to Cisplatin Is Associated with the Activation of p38 Mitogen-Activated Protein Kinase and Is Abrogated by Sphingosine Kinase 1. Molecular Cancer Research, 2007, 5, 801-812.	1.5	104
50	X-ray Structure of Human Acid-Î²-Glucosidase Covalently Bound to Conduritol-B-Epoxide. Journal of Biological Chemistry, 2005, 280, 23815-23819.	1.6	102
51	Modulation of Ceramide Synthase Activity via Dimerization. Journal of Biological Chemistry, 2012, 287, 21025-21033.	1.6	98
52	Autoantibodies to the Glutamate Receptor Kill Neurons via Activation of the Receptor Ion Channel. Journal of Autoimmunity, 1999, 13, 61-72.	3.0	95
53	Sphingolipids Are Required for the Stable Membrane Association of Glycosylphosphatidylinositol-anchored Proteins in Yeast. Journal of Biological Chemistry, 2002, 277, 49538-49544.	1.6	95
54	New directions in the treatment of Gaucher disease. Trends in Pharmacological Sciences, 2004, 25, 147-151.	4.0	95

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55	Spatial and temporal correlation between neuron loss and neuroinflammation in a mouse model of neuronopathic Gaucher disease. Human Molecular Genetics, 2011, 20, 1375-1386.	1.4	93
56	Cationic Amphiphilic Drugs Inhibit the Internalization of Cholera Toxin to the Golgi Apparatus and the Subsequent Elevation of Cyclic AMP. Journal of Biological Chemistry, 1995, 270, 12117-12122.	1.6	87
57	Lipid Raft Composition Modulates Sphingomyelinase Activity and Ceramide-Induced Membrane Physical Alterations. Biophysical Journal, 2009, 96, 3210-3222.	0.2	87
58	Bcl2L13 is a ceramide synthase inhibitor in glioblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5682-5687.	3.3	86
59	The localization of gangliosides in neurons of the central nervous system: the use of anti-ganglioside antibodies. BBA - Biomembranes, 1996, 1286, 247-267.	7.9	85
60	Animal models for Gaucher disease research. DMM Disease Models and Mechanisms, 2011, 4, 746-752.	1.2	80
61	Altered expression and distribution of cathepsins in neuronopathic forms of Gaucher disease and in other sphingolipidoses. Human Molecular Genetics, 2010, 19, 3583-3590.	1.4	76
62	Ganglioside Synthesis during the Development of Neuronal Polarity. Journal of Biological Chemistry, 1996, 271, 14876-14882.	1.6	73
63	The pathogenesis of glycosphingolipid storage disorders. Seminars in Cell and Developmental Biology, 2004, 15, 417-431.	2.3	73
64	Kinetic characterization of mammalian ceramide synthases: Determination of K_m values towards sphinganine. FEBS Letters, 2007, 581, 5289-5294.	1.3	73
65	Phosphatidylcholine synthesis is elevated in neuronal models of Gaucher disease due to direct activation of CTP:phosphocholine cytidylyltransferase by glucosylceramide. FASEB Journal, 2002, 16, 1-29.	0.2	71
66	Encephalopathy Caused by Ablation of Very Long Acyl Chain Ceramide Synthesis May Be Largely Due to Reduced Galactosylceramide Levels. Journal of Biological Chemistry, 2011, 286, 30022-30033.	1.6	71
67	Increased ceramide synthase 2 and 6 mRNA levels in breast cancer tissues and correlation with sphingosine kinase expression. Biochemical and Biophysical Research Communications, 2010, 391, 219-223.	1.0	70
68	Ceramide Synthases Expression and Role of Ceramide Synthase-2 in the Lung: Insight from Human Lung Cells and Mouse Models. PLoS ONE, 2013, 8, e62968.	1.1	69
69	Methylation of glycosylated sphingolipid modulates membrane lipid topography and pathogenicity of Cryptococcus neoformans. Cellular Microbiology, 2012, 14, 500-516.	1.1	67
70	Signalome-wide RNAi screen identifies GBA1 as a positive mediator of autophagic cell death. Cell Death and Differentiation, 2017, 24, 1288-1302.	5.0	67
71	Intracellular trafficking of sphingolipids: Relationship to biosynthesis. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1885-1892.	1.4	64
72	Myristate-derived d16:0 Sphingolipids Constitute a Cardiac Sphingolipid Pool with Distinct Synthetic Routes and Functional Properties. Journal of Biological Chemistry, 2013, 288, 13397-13409.	1.6	63

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73	Ablation of ceramide synthase 2 strongly affects biophysical properties of membranes. Journal of Lipid Research, 2012, 53, 430-436.	2.0	62
74	The Yeast P5 Type ATPase, Spf1, Regulates Manganese Transport into the Endoplasmic Reticulum. PLoS ONE, 2013, 8, e85519.	1.1	62
75	Acyl Chain Specificity of Ceramide Synthases Is Determined within a Region of 150 Residues in the Tram-Lag-CLN8 (TLC) Domain. Journal of Biological Chemistry, 2012, 287, 3197-3206.	1.6	60
76	Sortilin deficiency improves the metabolic phenotype and reduces hepatic steatosis of mice subjected to diet-induced obesity. Journal of Hepatology, 2015, 62, 175-181.	1.8	59
77	Sphingolipid regulation of lung epithelial cell mitophagy and necroptosis during cigarette smoke exposure. FASEB Journal, 2018, 32, 1880-1890.	0.2	59
78	Do longevity assurance genes containing Hox domains regulate cell development via ceramide synthesis?. FEBS Letters, 2002, 528, 3-4.	1.3	58
79	A New Functional Motif in Hox Domain-containing Ceramide Synthases. Journal of Biological Chemistry, 2007, 282, 27366-27373.	1.6	58
80	Cholesterol depletion by methyl-Î²-cyclodextrin blocks cholera toxin transport from endosomes to the Golgi apparatus in hippocampal neurons. Journal of Neurochemistry, 2001, 78, 991-999.	2.1	57
81	Inhibition of sphingolipid synthesis: effects on glycosphingolipidâ€" GPI-anchored protein microdomains. Trends in Cell Biology, 1995, 5, 377-380.	3.6	55
82	Determination of the Localization of Gangliosides Using Anti-ganglioside Antibodies: Comparison of Fixation Methods. Journal of Histochemistry and Cytochemistry, 1997, 45, 611-618.	1.3	54
83	Defective calcium homeostasis in the cerebellum in a mouse model of Niemann-Pick A disease. Journal of Neurochemistry, 2005, 95, 1619-1628.	2.1	54
84	Delineating pathological pathways in a chemically induced mouse model of Gaucher disease. Journal of Pathology, 2016, 239, 496-509.	2.1	54
85	Identification of a Biomarker in Cerebrospinal Fluid for Neuronopathic Forms of Gaucher Disease. PLoS ONE, 2015, 10, e0120194.	1.1	53
86	Lack of ceramide synthase 2 suppresses the development of experimental autoimmune encephalomyelitis by impairing the migratory capacity of neutrophils. Brain, Behavior, and Immunity, 2015, 46, 280-292.	2.0	53
87	Induction of the type I interferon response in neurological forms of Gaucher disease. Journal of Neuroinflammation, 2016, 13, 104.	3.1	53
88	No evidence for activation of the unfolded protein response in neuronopathic models of Gaucher disease. Human Molecular Genetics, 2009, 18, 1482-1488.	1.4	52
89	Identification of Modifier Genes in a Mouse Model of Gaucher Disease. Cell Reports, 2016, 16, 2546-2553.	2.9	52
90	Changes in membrane biophysical properties induced by sphingomyelinase depend on the sphingolipid N-acyl chain. Journal of Lipid Research, 2014, 55, 53-61.	2.0	51

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91	Hepatic triglyceride accumulation via endoplasmic reticulum stress-induced SREBP-1 activation is regulated by ceramide synthases. Experimental and Molecular Medicine, 2019, 51, 1-16.	3.2	51
92	Reduced ceramide synthase 2 activity causes progressive myoclonic epilepsy. Annals of Clinical and Translational Neurology, 2014, 1, 88-98.	1.7	50
93	Hepatic fatty acid uptake is regulated by the sphingolipid acyl chain length. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1754-1766.	1.2	50
94	Eleven residues determine the acyl chain specificity of ceramide synthases. Journal of Biological Chemistry, 2018, 293, 9912-9921.	1.6	50
95	The Role of Sphingolipids in the Maintenance of Fibroblast Morphology. Journal of Biological Chemistry, 1997, 272, 1558-1564.	1.6	46
96	Ceramide synthase 1 is regulated by proteasomal mediated turnover. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1218-1227.	1.9	46
97	Neuronal Forms of Gaucher Disease. Handbook of Experimental Pharmacology, 2013, , 405-419.	0.9	45
98	Ceramide synthases in biomedical research. Chemistry and Physics of Lipids, 2016, 197, 25-32.	1.5	45
99	6â€Aminoâ€6â€deoxyâ€5,6â€diâ€Nâ€(Nâ€²â€octyliminomethylidene)nojirimycin: Synthesis, Biological Evaluation, and Crystal Structure in Complex with Acid Î²â€Glucosidase. ChemBioChem, 2009, 10, 1480-1485.	1.3	44
100	InÂvivo inactivation of glycosidases by conduritol B epoxide and cyclophellitol as revealed by activityâ€based protein profiling. FEBS Journal, 2019, 286, 584-600.	2.2	44
101	Glycosphingolipidoses: Beyond the enzymatic defect. Glycoconjugate Journal, 2004, 21, 295-304.	1.4	43
102	Acid Î²-glucosidase: insights from structural analysis and relevance to Gaucher disease therapy. Biological Chemistry, 2008, 389, 1361-1369.	1.2	43
103	Structural comparison of differently glycosylated forms of acid-Î²-glucosidase, the defective enzyme in Gaucher disease. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 1458-1465.	2.5	42
104	Making Sense of the Yeast Sphingolipid Pathway. Journal of Molecular Biology, 2016, 428, 4765-4775.	2.0	41
105	Glucosylceramide Synthesis Is Required for Basic Fibroblast Growth Factor and Laminin to Stimulate Axonal Growth. Journal of Neurochemistry, 1997, 68, 882-885.	2.1	39
106	Stress-induced ER to Golgi translocation of ceramide synthase 1 is dependent on proteasomal processing. Experimental Cell Research, 2010, 316, 78-91.	1.2	39
107	Lyso-glycosphingolipids mobilize calcium from brain microsomes via multiple mechanisms. Biochemical Journal, 2003, 375, 561-565.	1.7	38
108	Genetic diseases of sphingolipid metabolism: Pathological mechanisms and therapeutic options. FEBS Letters, 2006, 580, 5510-5517.	1.3	38

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109	Self-Segregation of Myelin Membrane Lipids in Model Membranes. Biophysical Journal, 2011, 101, 2713-2720.	0.2	38
110	A combined fluorescence spectroscopy, confocal and 2-photon microscopy approach to re-evaluate the properties of sphingolipid domains. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2099-2110.	1.4	38
111	Identification of <scp>N</scp>â€acylâ€fumonisin <scp>B</scp>1 as new cytotoxic metabolites of fumonisin mycotoxins. Molecular Nutrition and Food Research, 2013, 57, 516-522.	1.5	38
112	Effect of the sphingosine kinase 1 selective inhibitor, PF-543 on arterial and cardiac remodelling in a hypoxic model of pulmonary arterial hypertension. Cellular Signalling, 2016, 28, 946-955.	1.7	37
113	Oxidized Phospholipids Induce Ceramide Accumulation in RAW 264.7 Macrophages: Role of Ceramide Synthases. PLoS ONE, 2013, 8, e70002.	1.1	36
114	Autoimmune Epilepsy: Some Epilepsy Patients Harbor Autoantibodies to Glutamate Receptors and dsDNA on both Sides of the Blood-brain Barrier, which may Kill Neurons and Decrease in Brain Fluids after Hemispherotomy. Clinical and Developmental Immunology, 2004, 11, 241-252.	3.3	35
115	Protection of a Ceramide Synthase 2 Null Mouse from Drug-induced Liver Injury. Journal of Biological Chemistry, 2013, 288, 30904-30916.	1.6	35
116	Regulation of very-long acyl chain ceramide synthesis by acyl-CoA-binding protein. Journal of Biological Chemistry, 2017, 292, 7588-7597.	1.6	35
117	Comparison of the metabolism of L-erythro- and L-threo-sphinganines and ceramides in cultured cells and in subcellular fractions. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2001, 1530, 219-226.	1.2	34
118	Up-regulation of Glucosylceramide Synthesis upon Stimulation of Axonal Growth by Basic Fibroblast Growth Factor. Journal of Biological Chemistry, 2000, 275, 9905-9909.	1.6	33
119	Synthesis and Biological Evaluation of Ceramide Analogues with Substituted Aromatic Rings or an Allylic Fluoride in the Sphingoid Moiety. Journal of Medicinal Chemistry, 2000, 43, 4189-4199.	2.9	33
120	The HIV-1 Envelope Transmembrane Domain Binds TLR2 through a Distinct Dimerization Motif and Inhibits TLR2-Mediated Responses. PLoS Pathogens, 2014, 10, e1004248.	2.1	33
121	Effect of glucosylceramide on the biophysical properties of fluid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1122-1130.	1.4	32
122	A Stroll Down the CerS Lane. Advances in Experimental Medicine and Biology, 2019, 1159, 49-63.	0.8	32
123	Lipid diffusion in neurons. Nature, 1993, 362, 119-119.	13.7	31
124	Molecular Basis of Reduced Glucosylceramidase Activity in the Most Common Gaucher Disease Mutant, N370S. Journal of Biological Chemistry, 2010, 285, 42105-42114.	1.6	31
125	Cyclodextrin-mediated crystallization of acid Î²-glucosidase in complex with amphiphilic bicyclic nojirimycin analogues. Organic and Biomolecular Chemistry, 2011, 9, 4160.	1.5	31
126	[52] Use of N-([1-14C]Hexanoyl)-D-erythro-sphingolipids to assay sphingolipid metabolism. Methods in Enzymology, 1992, 209, 437-446.	0.4	30

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127	Phospholipid synthesis is decreased in neuronal tissue in a mouse model of Sandhoff disease. Journal of Neurochemistry, 2004, 90, 80-88.	2.1	30
128	Inhibition of sphingolipid synthesis, but not degradation, alters the rate of dendrite growth in cultured hippocampal neurons. Developmental Brain Research, 1998, 108, 125-130.	2.1	29
129	1-Methylthiodihydroceramide, a Novel Analog of Dihydroceramide, Stimulates Sphinganine Degradation Resulting in Decreased de Novo Sphingolipid Biosynthesis. Journal of Biological Chemistry, 1998, 273, 1184-1191.	1.6	29
130	Phosphatidylcholine metabolism is altered in a monocyte-derived macrophage model of Gaucher disease but not in lymphocytes. Blood Cells, Molecules, and Diseases, 2004, 33, 77-82.	0.6	29
131	Limonoid Compounds Inhibit Sphingomyelin Biosynthesis by Preventing CERT Protein-dependent Extraction of Ceramides from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2012, 287, 24397-24411.	1.6	29
132	The role of ceramide in regulating endoplasmic reticulum function. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158489.	1.2	29
133	Pathological levels of glucosylceramide change the biophysical properties of artificial and cell membranes. Physical Chemistry Chemical Physics, 2017, 19, 340-346.	1.3	28
134	The metabolism of glucocerebrosides â€" From 1965 to the present. Molecular Genetics and Metabolism, 2017, 120, 22-26.	0.5	28
135	Effect of Aromatic Short-Chain Analogues of Ceramide on Axonal Growth in Hippocampal Neurons. Journal of Medicinal Chemistry, 1999, 42, 2697-2705.	2.9	27
136	Development of pheochromocytoma in ceramide synthase 2 null mice. Endocrine-Related Cancer, 2015, 22, 623-632.	1.6	27
137	LPSâ€mediated septic shock is augmented in ceramide synthase 2 null mice due to elevated activity of TNFÎ±â€converting enzyme. FEBS Letters, 2015, 589, 2213-2217.	1.3	27
138	The role of sphingolipids in neuronal development: lessons from models of sphingolipid storage diseases. Neurochemical Research, 2002, 27, 565-574.	1.6	26
139	Yeast ceramide synthases, Lag1 and Lac1, have distinct substrate specificity. Journal of Cell Science, 2019, 132, .	1.2	26
140	Up-regulation of Neutral Glycosphingolipid Synthesis upon Long Term Inhibition of Ceramide Synthesis by Fumonisin B1. Journal of Biological Chemistry, 1999, 274, 4607-4612.	1.6	25
141	Glucosylceramide Reorganizes Cholesterol-Containing Domains in a Fluid Phospholipid Membrane. Biophysical Journal, 2016, 110, 612-622.	0.2	24
142	Sortilin Deficiency Reduces Ductular Reaction, Hepatocyte Apoptosis, and Liver Fibrosis in Cholestatic-Induced Liver Injury. American Journal of Pathology, 2017, 187, 122-133.	1.9	24
143	TLR9-mediated dendritic cell activation uncovers mammalian ganglioside species with specific ceramide backbones that activate invariant natural killer T cells. PLoS Biology, 2019, 17, e3000169.	2.6	24
144	Innate immune responses in the brain of sphingolipid lysosomal storage diseases. Biological Chemistry, 2015, 396, 659-667.	1.2	23

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145	GBA mutations, glucosylceramide and Parkinson's disease. Current Opinion in Neurobiology, 2022, 72, 148-154.	2.0	23
146	Aminopropyl solid phase extraction and 2 D TLC of neutral glycosphingolipids and neutral lysoglycosphingolipids. Journal of Lipid Research, 2003, 44, 218-226.	2.0	22
147	An exposed carboxyl group on sialic acid is essential for gangliosides to inhibit calcium uptake via the sarco/endoplasmic reticulum Ca²⁺â€ATPase: relevance to gangliosidoses. Journal of Neurochemistry, 2008, 104, 140-146.	2.1	22
148	Altering sphingolipid composition with aging induces contractile dysfunction of gastric smooth muscle via <scp>K_C</scp>_a1.1 upregulation. Aging Cell, 2015, 14, 982-994.	3.0	22
149	A rapid ceramide synthase activity using NBD-sphinganine and solid phase extraction. Journal of Lipid Research, 2015, 56, 193-199.	2.0	22
150	Identification of a feedback loop involving Î²-glucosidase 2 and its product sphingosine sheds light on the molecular mechanisms in Gaucher disease. Journal of Biological Chemistry, 2017, 292, 6177-6189.	1.6	22
151	Ablation of ceramide synthase 2 exacerbates dextran sodium sulphateâ€induced colitis in mice due to increased intestinal permeability. Journal of Cellular and Molecular Medicine, 2017, 21, 3565-3578.	1.6	22
152	Fingolimod phosphate inhibits astrocyte inflammatory activity in mucolipidosis IV. Human Molecular Genetics, 2018, 27, 2725-2738.	1.4	22
153	A lyso-platelet activating factor phospholipase C, originally suggested to be a neutral-sphingomyelinase, is located in the endoplasmic reticulum. FEBS Letters, 2000, 469, 44-46.	1.3	21
154	Lysosomal Storage Disorders Shed Light on Lysosomal Dysfunction in Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 4966.	1.8	21
155	Elevation of lung surfactant phosphatidylcholine in mouse models of Sandhoff and of Niemann-Pick A disease. Journal of Inherited Metabolic Disease, 2004, 27, 641-648.	1.7	20
156	De Novo Ceramide Synthesis Is Required for N-Linked Glycosylation in Plasma Cells. Journal of Immunology, 2009, 182, 7038-7047.	0.4	20
157	Altered lysosome distribution is an early neuropathological event in neurological forms of Gaucher disease. FEBS Letters, 2017, 591, 774-783.	1.3	20
158	The brain lipidome in neurodegenerative lysosomal storage disorders. Biochemical and Biophysical Research Communications, 2018, 504, 623-628.	1.0	20
159	Absence of infiltrating peripheral myeloid cells in the brains of mouse models of lysosomal storage disorders. Journal of Neurochemistry, 2019, 148, 625-638.	2.1	20
160	Synthesis of Homoceramides, Novel Ceramide Analogues, and Their Lack of Effect on the Growth of Hippocampal Neurons. Journal of Organic Chemistry, 2002, 67, 988-996.	1.7	19
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