

# Anthony H Futerman

## List of Publications by Year in descending order

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233  
papers

16,026  
citations

14655

66  
h-index

19749

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. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 554-565.	37.0	688
2	The complex life of simple sphingolipids. <i>EMBO Reports</i> , 2004, 5, 777-782.	4.5	591
3	Characterization of Ceramide Synthase 2. <i>Journal of Biological Chemistry</i> , 2008, 283, 5677-5684.	3.4	410
4	When Do Lasses (Longevity Assurance Genes) Become CerS (Ceramide Synthases)?. <i>Journal of Biological Chemistry</i> , 2006, 281, 25001-25005.	3.4	393
5	CerS2 Haploinsufficiency Inhibits $\beta$ -Oxidation and Confers Susceptibility to Diet-Induced Steatohepatitis and Insulin Resistance. <i>Cell Metabolism</i> , 2014, 20, 687-695.	16.2	379
6	Mammalian ceramide synthases. <i>IUBMB Life</i> , 2010, 62, 347-356.	3.4	377
7	Production of glucocerebrosidase with terminal mannose glycans for enzyme replacement therapy of Gaucher's disease using a plant cell system. <i>Plant Biotechnology Journal</i> , 2007, 5, 579-590.	8.3	371
8	A Dynamic Interface between Vacuoles and Mitochondria in Yeast. <i>Developmental Cell</i> , 2014, 30, 95-102.	7.0	321
9	The ins and outs of sphingolipid synthesis. <i>Trends in Cell Biology</i> , 2005, 15, 312-318.	7.9	299
10	Common and Uncommon Pathogenic Cascades in Lysosomal Storage Diseases. <i>Journal of Biological Chemistry</i> , 2010, 285, 20423-20427.	3.4	298
11	The metabolism and function of sphingolipids and glycosphingolipids. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 2270-2284.	5.4	291
12	Two Mammalian Longevity Assurance Gene (LAG1) Family Members, trh1 and trh4, Regulate Dihydroceramide Synthesis Using Different Fatty Acyl-CoA Donors. <i>Journal of Biological Chemistry</i> , 2003, 278, 43452-43459.	3.4	258
13	Upstream of Growth and Differentiation Factor 1 (uog1), a Mammalian Homolog of the Yeast Longevity Assurance Gene 1 (LAG1), Regulates N-Stearyl-sphinganine (C18-(Dihydro)ceramide) Synthesis in a Fumonisin B1-independent Manner in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 35642-35649.	3.4	252
14	X-ray structure of human acid $\beta$ -glucosidase, the defective enzyme in Gaucher disease. <i>EMBO Reports</i> , 2003, 4, 704-709.	4.5	244
15	Gaucher disease: pathological mechanisms and modern management. <i>British Journal of Haematology</i> , 2005, 129, 178-188.	2.5	240
16	A Critical Role for Ceramide Synthase 2 in Liver Homeostasis. <i>Journal of Biological Chemistry</i> , 2010, 285, 10902-10910.	3.4	213
17	A Critical Role for Ceramide Synthase 2 in Liver Homeostasis. <i>Journal of Biological Chemistry</i> , 2010, 285, 10911-10923.	3.4	200
18	The economics of neurite outgrowth – the addition of new membrane to growing axons. <i>Trends in Neurosciences</i> , 1996, 19, 144-149.	8.6	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. <i>Journal of Neuroscience</i> , 1999, 19, 8199-8206.	3.6	184
20	Ceramide synthases as potential targets for therapeutic intervention in human diseases. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 671-681.	2.4	183
21	Effect of ceramide structure on membrane biophysical properties: The role of acyl chain length and unsaturation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2753-2760.	2.6	172
22	Elevation of Intracellular Glucosylceramide Levels Results in an Increase in Endoplasmic Reticulum Density and in Functional Calcium Stores in Cultured Neurons. <i>Journal of Biological Chemistry</i> , 1999, 274, 21673-21678.	3.4	168
23	Ablation of Ceramide Synthase 2 Causes Chronic Oxidative Stress Due to Disruption of the Mitochondrial Respiratory Chain. <i>Journal of Biological Chemistry</i> , 2013, 288, 4947-4956.	3.4	165
24	Sphingolipid Depletion Increases Formation of the Scrapie Prion Protein in Neuroblastoma Cells Infected with Prions. <i>Journal of Biological Chemistry</i> , 1999, 274, 20763-20771.	3.4	155
25	Glucosylceramide and Glucosylsphingosine Modulate Calcium Mobilization from Brain Microsomes via Different Mechanisms. <i>Journal of Biological Chemistry</i> , 2003, 278, 23594-23599.	3.4	151
26	RIPK3 as a potential therapeutic target for Gaucher's disease. <i>Nature Medicine</i> , 2014, 20, 204-208.	30.7	147
27	A Regulatory Role for Sphingolipids in Neuronal Growth. <i>Journal of Biological Chemistry</i> , 1995, 270, 10990-10998.	3.4	146
28	Distinct Roles for Ceramide and Glucosylceramide at Different Stages of Neuronal Growth. <i>Journal of Neuroscience</i> , 1997, 17, 2929-2938.	3.6	145
29	Ceramide as a second messenger: sticky solutions to sticky problems. <i>Trends in Cell Biology</i> , 2000, 10, 408-412.	7.9	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. <i>Journal of Biological Chemistry</i> , 2001, 276, 9182-9188.	3.4	143
31	Ceramide Synthases: Roles in Cell Physiology and Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2010, 688, 60-71.	1.6	142
32	Lysosomal storage disorders and Parkinson's disease: Gaucher disease and beyond. <i>Movement Disorders</i> , 2011, 26, 1593-1604.	3.9	141
33	Ablation of very long acyl chain sphingolipids causes hepatic insulin resistance in mice due to altered detergent-resistant membranes. <i>Hepatology</i> , 2013, 57, 525-532.	7.3	140
34	Impaired Epidermal Ceramide Synthesis Causes Autosomal Recessive Congenital Ichthyosis and Reveals the Importance of Ceramide Acyl Chain Length. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2202-2211.	0.7	138
35	The complexity of sphingolipid biosynthesis in the endoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2511-2518.	4.1	136
36	Enhanced calcium release in the acute neuronopathic form of Gaucher disease. <i>Neurobiology of Disease</i> , 2005, 18, 83-88.	4.4	134

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37	Contribution of brain inflammation to neuronal cell death in neuronopathic forms of Gaucher's disease. <i>Brain</i> , 2012, 135, 1724-1735.	7.6	132
38	Inhibition of Calcium Uptake via the Sarco/Endoplasmic Reticulum Ca <sup>2+</sup> -ATPase in a Mouse Model of Sandhoff Disease and Prevention by Treatment with N-Butyldeoxynojirimycin. <i>Journal of Biological Chemistry</i> , 2003, 278, 29496-29501.	3.4	129
39	The Role of the Ceramide Acyl Chain Length in Neurodegeneration: Involvement of Ceramide Synthases. <i>NeuroMolecular Medicine</i> , 2010, 12, 341-350.	3.4	128
40	Death-associated Protein (DAP) Kinase Plays a Central Role in Ceramide-induced Apoptosis in Cultured Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 2002, 277, 1957-1961.	3.4	125
41	Neuronal accumulation of glucosylceramide in a mouse model of neuronopathic Gaucher disease leads to neurodegeneration. <i>Human Molecular Genetics</i> , 2014, 23, 843-854.	2.9	123
42	Nerve Growth Factor-induced p75-mediated Death of Cultured Hippocampal Neurons Is Age-dependent and Transduced through Ceramide Generated by Neutral Sphingomyelinase. <i>Journal of Biological Chemistry</i> , 2002, 277, 9812-9818.	3.4	113
43	Characterization of gene-activated human acid- $\beta$ -glucosidase: Crystal structure, glycan composition, and internalization into macrophages. <i>Glycobiology</i> , 2010, 20, 24-32.	2.5	113
44	Crystal Structures of Complexes of N-Butyl- and N-Nonyl-Deoxynojirimycin Bound to Acid $\beta$ -Glucosidase. <i>Journal of Biological Chemistry</i> , 2007, 282, 29052-29058.	3.4	109
45	Sphingoid long chain bases prevent lung infection by <i>Pseudomonas aeruginosa</i> . <i>EMBO Molecular Medicine</i> , 2014, 6, 1205-1214.	6.9	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-dependent Manner. <i>Journal of Biological Chemistry</i> , 2009, 284, 16090-16098.	3.4	108
47	The roles of ceramide and complex sphingolipids in neuronal cell function. <i>Pharmacological Research</i> , 2003, 47, 409-419.	7.1	105
48	LASS5 Is a Bona Fide Dihydroceramide Synthase That Selectively Utilizes Palmitoyl-CoA as Acyl Donor. <i>Journal of Biological Chemistry</i> , 2005, 280, 33735-33738.	3.4	105
49	(Dihydro)ceramide Synthase Regulated Sensitivity to Cisplatin Is Associated with the Activation of p38 Mitogen-Activated Protein Kinase and Is Abrogated by Sphingosine Kinase 1. <i>Molecular Cancer Research</i> , 2007, 5, 801-812.	3.4	104
50	X-ray Structure of Human Acid $\beta$ -Glucosidase Covalently Bound to Conduritol-B-Epoxyde. <i>Journal of Biological Chemistry</i> , 2005, 280, 23815-23819.	3.4	102
51	Modulation of Ceramide Synthase Activity via Dimerization. <i>Journal of Biological Chemistry</i> , 2012, 287, 21025-21033.	3.4	98
52	Autoantibodies to the Glutamate Receptor Kill Neurons via Activation of the Receptor Ion Channel. <i>Journal of Autoimmunity</i> , 1999, 13, 61-72.	6.5	95
53	Sphingolipids Are Required for the Stable Membrane Association of Glycosylphosphatidylinositol-anchored Proteins in Yeast. <i>Journal of Biological Chemistry</i> , 2002, 277, 49538-49544.	3.4	95
54	New directions in the treatment of Gaucher disease. <i>Trends in Pharmacological Sciences</i> , 2004, 25, 147-151.	8.7	95

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55	Spatial and temporal correlation between neuron loss and neuroinflammation in a mouse model of neuronopathic Gaucher disease. <i>Human Molecular Genetics</i> , 2011, 20, 1375-1386.	2.9	93
56	Cationic Amphiphilic Drugs Inhibit the Internalization of Cholera Toxin to the Golgi Apparatus and the Subsequent Elevation of Cyclic AMP. <i>Journal of Biological Chemistry</i> , 1995, 270, 12117-12122.	3.4	87
57	Lipid Raft Composition Modulates Sphingomyelinase Activity and Ceramide-Induced Membrane Physical Alterations. <i>Biophysical Journal</i> , 2009, 96, 3210-3222.	0.5	87
58	Bcl2L13 is a ceramide synthase inhibitor in glioblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5682-5687.	7.1	86
59	The localization of gangliosides in neurons of the central nervous system: the use of anti-ganglioside antibodies. <i>BBA - Biomembranes</i> , 1996, 1286, 247-267.	8.0	85
60	Animal models for Gaucher disease research. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 746-752.	2.4	80
61	Altered expression and distribution of cathepsins in neuronopathic forms of Gaucher disease and in other sphingolipidoses. <i>Human Molecular Genetics</i> , 2010, 19, 3583-3590.	2.9	76
62	Ganglioside Synthesis during the Development of Neuronal Polarity. <i>Journal of Biological Chemistry</i> , 1996, 271, 14876-14882.	3.4	73
63	The pathogenesis of glycosphingolipid storage disorders. <i>Seminars in Cell and Developmental Biology</i> , 2004, 15, 417-431.	5.0	73
64	Kinetic characterization of mammalian ceramide synthases: Determination of $k_m$ values towards sphinganine. <i>FEBS Letters</i> , 2007, 581, 5289-5294.	2.8	73
65	Phosphatidylcholine synthesis is elevated in neuronal models of Gaucher disease due to direct activation of CTP:phosphocholine cytidyltransferase by glucosylceramide. <i>FASEB Journal</i> , 2002, 16, 1-29.	0.5	71
66	Encephalopathy Caused by Ablation of Very Long Acyl Chain Ceramide Synthesis May Be Largely Due to Reduced Galactosylceramide Levels. <i>Journal of Biological Chemistry</i> , 2011, 286, 30022-30033.	3.4	71
67	Increased ceramide synthase 2 and 6 mRNA levels in breast cancer tissues and correlation with sphingosine kinase expression. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 219-223.	2.1	70
68	Ceramide Synthases Expression and Role of Ceramide Synthase-2 in the Lung: Insight from Human Lung Cells and Mouse Models. <i>PLoS ONE</i> , 2013, 8, e62968.	2.5	69
69	Methylation of glycosylated sphingolipid modulates membrane lipid topography and pathogenicity of <i>Cryptococcus neoformans</i> . <i>Cellular Microbiology</i> , 2012, 14, 500-516.	2.1	67
70	Signalome-wide RNAi screen identifies GBA1 as a positive mediator of autophagic cell death. <i>Cell Death and Differentiation</i> , 2017, 24, 1288-1302.	11.2	67
71	Intracellular trafficking of sphingolipids: Relationship to biosynthesis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 1885-1892.	2.6	64
72	Myristate-derived d16:0 Sphingolipids Constitute a Cardiac Sphingolipid Pool with Distinct Synthetic Routes and Functional Properties. <i>Journal of Biological Chemistry</i> , 2013, 288, 13397-13409.	3.4	63

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73	Ablation of ceramide synthase 2 strongly affects biophysical properties of membranes. <i>Journal of Lipid Research</i> , 2012, 53, 430-436.	4.2	62
74	The Yeast P5 Type ATPase, Spf1, Regulates Manganese Transport into the Endoplasmic Reticulum. <i>PLoS ONE</i> , 2013, 8, e85519.	2.5	62
75	Acyl Chain Specificity of Ceramide Synthases Is Determined within a Region of 150 Residues in the Tram-Lag-CLN8 (TLC) Domain. <i>Journal of Biological Chemistry</i> , 2012, 287, 3197-3206.	3.4	60
76	Sortilin deficiency improves the metabolic phenotype and reduces hepatic steatosis of mice subjected to diet-induced obesity. <i>Journal of Hepatology</i> , 2015, 62, 175-181.	3.7	59
77	Sphingolipid regulation of lung epithelial cell mitophagy and necroptosis during cigarette smoke exposure. <i>FASEB Journal</i> , 2018, 32, 1880-1890.	0.5	59
78	Do longevity assurance genes containing Hox domains regulate cell development via ceramide synthesis?. <i>FEBS Letters</i> , 2002, 528, 3-4.	2.8	58
79	A New Functional Motif in Hox Domain-containing Ceramide Synthases. <i>Journal of Biological Chemistry</i> , 2007, 282, 27366-27373.	3.4	58
80	Cholesterol depletion by methyl- $\beta$ -cyclodextrin blocks cholera toxin transport from endosomes to the Golgi apparatus in hippocampal neurons. <i>Journal of Neurochemistry</i> , 2001, 78, 991-999.	3.9	57
81	Inhibition of sphingolipid synthesis: effects on glycosphingolipid-anchored protein microdomains. <i>Trends in Cell Biology</i> , 1995, 5, 377-380.	7.9	55
82	Determination of the Localization of Gangliosides Using Anti-ganglioside Antibodies: Comparison of Fixation Methods. <i>Journal of Histochemistry and Cytochemistry</i> , 1997, 45, 611-618.	2.5	54
83	Defective calcium homeostasis in the cerebellum in a mouse model of Niemann-Pick A disease. <i>Journal of Neurochemistry</i> , 2005, 95, 1619-1628.	3.9	54
84	Delineating pathological pathways in a chemically induced mouse model of Gaucher disease. <i>Journal of Pathology</i> , 2016, 239, 496-509.	4.5	54
85	Identification of a Biomarker in Cerebrospinal Fluid for Neuronopathic Forms of Gaucher Disease. <i>PLoS ONE</i> , 2015, 10, e0120194.	2.5	53
86	Lack of ceramide synthase 2 suppresses the development of experimental autoimmune encephalomyelitis by impairing the migratory capacity of neutrophils. <i>Brain, Behavior, and Immunity</i> , 2015, 46, 280-292.	4.1	53
87	Induction of the type I interferon response in neurological forms of Gaucher disease. <i>Journal of Neuroinflammation</i> , 2016, 13, 104.	7.2	53
88	No evidence for activation of the unfolded protein response in neuronopathic models of Gaucher disease. <i>Human Molecular Genetics</i> , 2009, 18, 1482-1488.	2.9	52
89	Identification of Modifier Genes in a Mouse Model of Gaucher Disease. <i>Cell Reports</i> , 2016, 16, 2546-2553.	6.4	52
90	Changes in membrane biophysical properties induced by sphingomyelinase depend on the sphingolipid N-acyl chain. <i>Journal of Lipid Research</i> , 2014, 55, 53-61.	4.2	51

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91	Hepatic triglyceride accumulation via endoplasmic reticulum stress-induced SREBP-1 activation is regulated by ceramide synthases. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-16.	7.7	51
92	Reduced ceramide synthase 2 activity causes progressive myoclonic epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 88-98.	3.7	50
93	Hepatic fatty acid uptake is regulated by the sphingolipid acyl chain length. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1754-1766.	2.4	50
94	Eleven residues determine the acyl chain specificity of ceramide synthases. <i>Journal of Biological Chemistry</i> , 2018, 293, 9912-9921.	3.4	50
95	The Role of Sphingolipids in the Maintenance of Fibroblast Morphology. <i>Journal of Biological Chemistry</i> , 1997, 272, 1558-1564.	3.4	46
96	Ceramide synthase 1 is regulated by proteasomal mediated turnover. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1218-1227.	4.1	46
97	Neuronal Forms of Gaucher Disease. <i>Handbook of Experimental Pharmacology</i> , 2013, , 405-419.	1.8	45
98	Ceramide synthases in biomedical research. <i>Chemistry and Physics of Lipids</i> , 2016, 197, 25-32.	3.2	45
99	6â€Aminoâ€6â€deoxyâ€5,6â€diâ€<i>N</i>â€{<i>N</i>â€{â€2â€octyliminomethylidene)nojirimycin: Synthesis, Biological Evaluation, and Crystal Structure in Complex with Acid Î²â€Glucosidase. <i>ChemBioChem</i> , 2009, 10, 1480-1485.	2.6	44
100	<i>InÂvivo</i> inactivation of glycosidases by conduritol B epoxide and cyclophellitol as revealed by activityâ€based protein profiling. <i>FEBS Journal</i> , 2019, 286, 584-600.	4.7	44
101	Glycosphingolipidoses: Beyond the enzymatic defect. <i>Glycoconjugate Journal</i> , 2004, 21, 295-304.	2.7	43
102	Acid Î²-glucosidase: insights from structural analysis and relevance to Gaucher disease therapy. <i>Biological Chemistry</i> , 2008, 389, 1361-1369.	2.5	43
103	Structural comparison of differently glycosylated forms of acid-Î²-glucosidase, the defective enzyme in Gaucher disease. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 1458-1465.	2.5	42
104	Making Sense of the Yeast Sphingolipid Pathway. <i>Journal of Molecular Biology</i> , 2016, 428, 4765-4775.	4.2	41
105	Glucosylceramide Synthesis Is Required for Basic Fibroblast Growth Factor and Laminin to Stimulate Axonal Growth. <i>Journal of Neurochemistry</i> , 1997, 68, 882-885.	3.9	39
106	Stress-induced ER to Golgi translocation of ceramide synthase 1 is dependent on proteasomal processing. <i>Experimental Cell Research</i> , 2010, 316, 78-91.	2.6	39
107	Lyso-glycosphingolipids mobilize calcium from brain microsomes via multiple mechanisms. <i>Biochemical Journal</i> , 2003, 375, 561-565.	3.7	38
108	Genetic diseases of sphingolipid metabolism: Pathological mechanisms and therapeutic options. <i>FEBS Letters</i> , 2006, 580, 5510-5517.	2.8	38



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109	Self-Segregation of Myelin Membrane Lipids in Model Membranes. <i>Biophysical Journal</i> , 2011, 101, 2713-2720.	0.5	38
110	A combined fluorescence spectroscopy, confocal and 2-photon microscopy approach to re-evaluate the properties of sphingolipid domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2099-2110.	2.6	38
111	Identification of <i>N</i> -acetyl-fumonisin B <sub>1</sub> as new cytotoxic metabolites of fumonisin mycotoxins. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 516-522.	3.3	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. <i>Cellular Signalling</i> , 2016, 28, 946-955.	3.6	37
113	Oxidized Phospholipids Induce Ceramide Accumulation in RAW 264.7 Macrophages: Role of Ceramide Synthases. <i>PLoS ONE</i> , 2013, 8, e70002.	2.5	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. <i>Clinical and Developmental Immunology</i> , 2004, 11, 241-252.	3.3	35
115	Protection of a Ceramide Synthase 2 Null Mouse from Drug-induced Liver Injury. <i>Journal of Biological Chemistry</i> , 2013, 288, 30904-30916.	3.4	35
116	Regulation of very-long acyl chain ceramide synthesis by acyl-CoA-binding protein. <i>Journal of Biological Chemistry</i> , 2017, 292, 7588-7597.	3.4	35
117	Comparison of the metabolism of L-erythro- and L-threo-sphinganine and ceramides in cultured cells and in subcellular fractions. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2001, 1530, 219-226.	2.4	34
118	Up-regulation of Glucosylceramide Synthesis upon Stimulation of Axonal Growth by Basic Fibroblast Growth Factor. <i>Journal of Biological Chemistry</i> , 2000, 275, 9905-9909.	3.4	33
119	Synthesis and Biological Evaluation of Ceramide Analogues with Substituted Aromatic Rings or an Allylic Fluoride in the Sphingoid Moiety. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 4189-4199.	6.4	33
120	The HIV-1 Envelope Transmembrane Domain Binds TLR2 through a Distinct Dimerization Motif and Inhibits TLR2-Mediated Responses. <i>PLoS Pathogens</i> , 2014, 10, e1004248.	4.7	33
121	Effect of glucosylceramide on the biophysical properties of fluid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1122-1130.	2.6	32
122	A Stroll Down the CerS Lane. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1159, 49-63.	1.6	32
123	Lipid diffusion in neurons. <i>Nature</i> , 1993, 362, 119-119.	27.8	31
124	Molecular Basis of Reduced Glucosylceramidase Activity in the Most Common Gaucher Disease Mutant, N370S. <i>Journal of Biological Chemistry</i> , 2010, 285, 42105-42114.	3.4	31
125	Cyclodextrin-mediated crystallization of acid $\beta$ -glucosidase in complex with amphiphilic bicyclic nojirimycin analogues. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4160.	2.8	31
126	[52] Use of N-([1- <sup>14</sup> C]Hexanoyl)-D-erythro-sphingolipids to assay sphingolipid metabolism. <i>Methods in Enzymology</i> , 1992, 209, 437-446.	1.0	30



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127	Phospholipid synthesis is decreased in neuronal tissue in a mouse model of Sandhoff disease. <i>Journal of Neurochemistry</i> , 2004, 90, 80-88.	3.9	30
128	Inhibition of sphingolipid synthesis, but not degradation, alters the rate of dendrite growth in cultured hippocampal neurons. <i>Developmental Brain Research</i> , 1998, 108, 125-130.	1.7	29
129	1-Methylthiodihydroceramide, a Novel Analog of Dihydroceramide, Stimulates Sphinganine Degradation Resulting in Decreased de Novo Sphingolipid Biosynthesis. <i>Journal of Biological Chemistry</i> , 1998, 273, 1184-1191.	3.4	29
130	Phosphatidylcholine metabolism is altered in a monocyte-derived macrophage model of Gaucher disease but not in lymphocytes. <i>Blood Cells, Molecules, and Diseases</i> , 2004, 33, 77-82.	1.4	29
131	Limonoid Compounds Inhibit Sphingomyelin Biosynthesis by Preventing CERT Protein-dependent Extraction of Ceramides from the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2012, 287, 24397-24411.	3.4	29
132	The role of ceramide in regulating endoplasmic reticulum function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158489.	2.4	29
133	Pathological levels of glucosylceramide change the biophysical properties of artificial and cell membranes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 340-346.	2.8	28
134	The metabolism of glucocerebrosides “ From 1965 to the present. <i>Molecular Genetics and Metabolism</i> , 2017, 120, 22-26.	1.1	28
135	Effect of Aromatic Short-Chain Analogues of Ceramide on Axonal Growth in Hippocampal Neurons. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 2697-2705.	6.4	27
136	Development of pheochromocytoma in ceramide synthase 2 null mice. <i>Endocrine-Related Cancer</i> , 2015, 22, 623-632.	3.1	27
137	LPS-mediated septic shock is augmented in ceramide synthase 2 null mice due to elevated activity of TNF- $\alpha$ -converting enzyme. <i>FEBS Letters</i> , 2015, 589, 2213-2217.	2.8	27
138	The role of sphingolipids in neuronal development: lessons from models of sphingolipid storage diseases. <i>Neurochemical Research</i> , 2002, 27, 565-574.	3.3	26
139	Yeast ceramide synthases, Lag1 and Lac1, have distinct substrate specificity. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	26
140	Up-regulation of Neutral Glycosphingolipid Synthesis upon Long Term Inhibition of Ceramide Synthesis by Fumonisin B1. <i>Journal of Biological Chemistry</i> , 1999, 274, 4607-4612.	3.4	25
141	Glucosylceramide Reorganizes Cholesterol-Containing Domains in a Fluid Phospholipid Membrane. <i>Biophysical Journal</i> , 2016, 110, 612-622.	0.5	24
142	Sortilin Deficiency Reduces Ductular Reaction, Hepatocyte Apoptosis, and Liver Fibrosis in Cholestatic-Induced Liver Injury. <i>American Journal of Pathology</i> , 2017, 187, 122-133.	3.8	24
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