

Anthony H Futerman

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229
papers

13,195
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62
h-index

108
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240
ext. papers

14,529
ext. citations

6.6
avg, IF

6.57
L-index

#	Paper	IF	Citations
229	The cell biology of lysosomal storage disorders. <i>Nature Reviews Molecular Cell Biology</i> , 2004 , 5, 554-65	48.7	590
228	The complex life of simple sphingolipids. <i>EMBO Reports</i> , 2004 , 5, 777-82	6.5	526
227	When do Lasses (longevity assurance genes) become CerS (ceramide synthases)? Insights into the regulation of ceramide synthesis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 25001-5	5.4	347
226	Characterization of ceramide synthase 2: tissue distribution, substrate specificity, and inhibition by sphingosine 1-phosphate. <i>Journal of Biological Chemistry</i> , 2008 , 283, 5677-84	5.4	328
225	Production of glucocerebrosidase with terminal mannose glycans for enzyme replacement therapy of GaucherB disease using a plant cell system. <i>Plant Biotechnology Journal</i> , 2007 , 5, 579-90	11.6	317
224	CerS2 haploinsufficiency inhibits β oxidation and confers susceptibility to diet-induced steatohepatitis and insulin resistance. <i>Cell Metabolism</i> , 2014 , 20, 687-95	24.6	288
223	A dynamic interface between vacuoles and mitochondria in yeast. <i>Developmental Cell</i> , 2014 , 30, 95-102	10.2	266
222	The ins and outs of sphingolipid synthesis. <i>Trends in Cell Biology</i> , 2005 , 15, 312-8	18.3	257
221	Common and uncommon pathogenic cascades in lysosomal storage diseases. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20423-7	5.4	255
220	The metabolism and function of sphingolipids and glycosphingolipids. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 2270-84	10.3	255
219	Mammalian ceramide synthases. <i>IUBMB Life</i> , 2010 , 62, 347-56	4.7	250
218	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, 43452-9	5.4	224
217	X-ray structure of human acid-beta-glucosidase, the defective enzyme in Gaucher disease. <i>EMBO Reports</i> , 2003 , 4, 704-9	6.5	218
216	Upstream of growth and differentiation factor 1 (uog1), a mammalian homolog of the yeast longevity assurance gene 1 (LAG1), regulates N-stearoyl-sphinganine (C18-(dihydro)ceramide) synthesis in a fumonisin B1-independent manner in mammalian cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 35642-9	5.4	215
215	Gaucher disease: pathological mechanisms and modern management. <i>British Journal of Haematology</i> , 2005 , 129, 178-88	4.5	203
214	The economics of neurite outgrowth--the addition of new membrane to growing axons. <i>Trends in Neurosciences</i> , 1996 , 19, 144-9	13.3	175
213	A critical role for ceramide synthase 2 in liver homeostasis: I. alterations in lipid metabolic pathways. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10902-10	5.4	171

212	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, 8199-206	6.6	171
211	A critical role for ceramide synthase 2 in liver homeostasis: II. insights into molecular changes leading to hepatopathy. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10911-23	5.4	164
210	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, 671-81	5	148
209	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, 21673-8	5.4	144
208	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, 2753-60	3.8	140
207	Sphingolipid depletion increases formation of the scrapie prion protein in neuroblastoma cells infected with prions. <i>Journal of Biological Chemistry</i> , 1999 , 274, 20763-71	5.4	138
206	Distinct roles for ceramide and glucosylceramide at different stages of neuronal growth. <i>Journal of Neuroscience</i> , 1997 , 17, 2929-38	6.6	135
205	A regulatory role for sphingolipids in neuronal growth. Inhibition of sphingolipid synthesis and degradation have opposite effects on axonal branching. <i>Journal of Biological Chemistry</i> , 1995 , 270, 10990-8	5.4	133
204	Glucosylceramide and glucosylsphingosine modulate calcium mobilization from brain microsomes via different mechanisms. <i>Journal of Biological Chemistry</i> , 2003 , 278, 23594-9	5.4	132
203	Ceramide as a second messenger: sticky solutions to sticky problems. <i>Trends in Cell Biology</i> , 2000 , 10, 408-12	18.3	132
202	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, 4947-56	5.4	126
201	Enhanced calcium release in the acute neuronopathic form of Gaucher disease. <i>Neurobiology of Disease</i> , 2005 , 18, 83-8	7.5	125
200	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, 9182-8	5.4	125
199	RIPK3 as a potential therapeutic target for Gaucher disease. <i>Nature Medicine</i> , 2014 , 20, 204-8	50.5	122
198	Ceramide synthases: roles in cell physiology and signaling. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 688, 60-71	3.6	121
197	Lysosomal storage disorders and Parkinson disease: Gaucher disease and beyond. <i>Movement Disorders</i> , 2011 , 26, 1593-604	7	120
196	Ablation of very long acyl chain sphingolipids causes hepatic insulin resistance in mice due to altered detergent-resistant membranes. <i>Hepatology</i> , 2013 , 57, 525-32	11.2	117
195	Inhibition of calcium uptake via the sarco/endoplasmic reticulum Ca ²⁺ -ATPase in a mouse model of Sandhoff disease and prevention by treatment with N-butyldeoxyjirimycin. <i>Journal of Biological Chemistry</i> , 2003 , 278, 29496-501	5.4	115

194	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, 1957-61	5.4	112
193	The complexity of sphingolipid biosynthesis in the endoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 2511-8	4.9	110
192	Contribution of brain inflammation to neuronal cell death in neuronopathic forms of Gaucher β disease. <i>Brain</i> , 2012 , 135, 1724-35	11.2	110
191	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, 2202-11	4.3	107
190	The role of the ceramide acyl chain length in neurodegeneration: involvement of ceramide synthases. <i>NeuroMolecular Medicine</i> , 2010 , 12, 341-50	4.6	105
189	Crystal structures of complexes of N-butyl- and N-nonyl-deoxynojirimycin bound to acid beta-glucosidase: insights into the mechanism of chemical chaperone action in Gaucher disease. <i>Journal of Biological Chemistry</i> , 2007 , 282, 29052-29058	5.4	102
188	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, 9812-8	5.4	100
187	Characterization of gene-activated human acid-beta-glucosidase: crystal structure, glycan composition, and internalization into macrophages. <i>Glycobiology</i> , 2010 , 20, 24-32	5.8	97
186	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	5.4	96
185	(Dihydro)ceramide synthase 1 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, 801-12	6.6	96
184	The roles of ceramide and complex sphingolipids in neuronal cell function. <i>Pharmacological Research</i> , 2003 , 47, 409-19	10.2	94
183	Neuronal accumulation of glucosylceramide in a mouse model of neuronopathic Gaucher disease leads to neurodegeneration. <i>Human Molecular Genetics</i> , 2014 , 23, 843-54	5.6	92
182	New directions in the treatment of Gaucher disease. <i>Trends in Pharmacological Sciences</i> , 2004 , 25, 147-51	13.2	91
181	LASS5 is a bona fide dihydroceramide synthase that selectively utilizes palmitoyl-CoA as acyl donor. <i>Journal of Biological Chemistry</i> , 2005 , 280, 33735-8	5.4	91
180	Sphingoid long chain bases prevent lung infection by <i>Pseudomonas aeruginosa</i> . <i>EMBO Molecular Medicine</i> , 2014 , 6, 1205-14	12	85
179	X-ray structure of human acid-beta-glucosidase covalently bound to conduritol-B-epoxide. Implications for Gaucher disease. <i>Journal of Biological Chemistry</i> , 2005 , 280, 23815-9	5.4	85
178	Sphingolipids are required for the stable membrane association of glycosylphosphatidylinositol-anchored proteins in yeast. <i>Journal of Biological Chemistry</i> , 2002 , 277, 49538-44	5.4	84
177	Autoantibodies to the glutamate receptor kill neurons via activation of the receptor ion channel. <i>Journal of Autoimmunity</i> , 1999 , 13, 61-72	15.5	84

176	Modulation of ceramide synthase activity via dimerization. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21025-33	5.4	79
175	Lipid raft composition modulates sphingomyelinase activity and ceramide-induced membrane physical alterations. <i>Biophysical Journal</i> , 2009 , 96, 3210-22	2.9	79
174	Spatial and temporal correlation between neuron loss and neuroinflammation in a mouse model of neuronopathic Gaucher disease. <i>Human Molecular Genetics</i> , 2011 , 20, 1375-86	5.6	75
173	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, 12117-22	5.4	74
172	The localization of gangliosides in neurons of the central nervous system: the use of anti-ganglioside antibodies. <i>BBA - Biomembranes</i> , 1996 , 1286, 247-67		70
171	Ganglioside synthesis during the development of neuronal polarity. Major changes occur during axonogenesis and axon elongation, but not during dendrite growth or synaptogenesis. <i>Journal of Biological Chemistry</i> , 1996 , 271, 14876-82	5.4	66
170	Kinetic characterization of mammalian ceramide synthases: determination of K(m) values towards sphinganine. <i>FEBS Letters</i> , 2007 , 581, 5289-94	3.8	64
169	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, 5682-7	11.5	62
168	Animal models for Gaucher disease research. <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 746-52	4.1	62
167	Altered expression and distribution of cathepsins in neuronopathic forms of Gaucher disease and in other sphingolipidoses. <i>Human Molecular Genetics</i> , 2010 , 19, 3583-90	5.6	62
166	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, 1814-6	0.9	62
165	The pathogenesis of glycosphingolipid storage disorders. <i>Seminars in Cell and Developmental Biology</i> , 2004 , 15, 417-31	7.5	60
164	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, 30022-33	5.4	58
163	Ablation of ceramide synthase 2 strongly affects biophysical properties of membranes. <i>Journal of Lipid Research</i> , 2012 , 53, 430-436	6.3	57
162	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, 219-23 ³⁻⁴		54
161	Intracellular trafficking of sphingolipids: relationship to biosynthesis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006 , 1758, 1885-92	3.8	54
160	Methylation of glycosylated sphingolipid modulates membrane lipid topography and pathogenicity of <i>Cryptococcus neoformans</i> . <i>Cellular Microbiology</i> , 2012 , 14, 500-16	3.9	51
159	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, 13397-409	5.4	51

158	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, 991-9	6	50
157	Determination of the localization of gangliosides using anti-ganglioside antibodies: comparison of fixation methods. <i>Journal of Histochemistry and Cytochemistry</i> , 1997 , 45, 611-8	3.4	49
156	A new functional motif in Hox domain-containing ceramide synthases: identification of a novel region flanking the Hox and TLC domains essential for activity. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27366-27373	5.4	49
155	Inhibition of sphingolipid synthesis: effects on glycosphingolipid-GPI-anchored protein microdomains. <i>Trends in Cell Biology</i> , 1995 , 5, 377-80	18.3	49
154	Signalome-wide RNAi screen identifies GBA1 as a positive mediator of autophagic cell death. <i>Cell Death and Differentiation</i> , 2017 , 24, 1288-1302	12.7	48
153	The yeast p5 type ATPase, spf1, regulates manganese transport into the endoplasmic reticulum. <i>PLoS ONE</i> , 2013 , 8, e85519	3.7	48
152	Defective calcium homeostasis in the cerebellum in a mouse model of Niemann-Pick A disease. <i>Journal of Neurochemistry</i> , 2005 , 95, 1619-28	6	48
151	Do longevity assurance genes containing Hox domains regulate cell development via ceramide synthesis?. <i>FEBS Letters</i> , 2002 , 528, 3-4	3.8	48
150	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	3.7	47
149	No evidence for activation of the unfolded protein response in neuronopathic models of Gaucher disease. <i>Human Molecular Genetics</i> , 2009 , 18, 1482-8	5.6	47
148	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, 3197-206	5.4	47
147	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, 280-92	16.6	43
146	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	6.3	43
145	Reduced ceramide synthase 2 activity causes progressive myoclonic epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2014 , 1, 88-98	5.3	42
144	6-Amino-6-deoxy-5,6-di-N-(Npocetylaminomethylidene)nojirimycin: synthesis, biological evaluation, and crystal structure in complex with acid beta-glucosidase. <i>ChemBioChem</i> , 2009 , 10, 1480-5	3.8	42
143	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, 1754-66	5	39
142	Induction of the type I interferon response in neurological forms of Gaucher disease. <i>Journal of Neuroinflammation</i> , 2016 , 13, 104	10.1	39
141	Structural comparison of differently glycosylated forms of acid-beta-glucosidase, the defective enzyme in Gaucher disease. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006 , 62, 1458-65		38

140	Sphingolipid regulation of lung epithelial cell mitophagy and necroptosis during cigarette smoke exposure. <i>FASEB Journal</i> , 2018 , 32, 1880-1890	0.9	38
139	Sortilin deficiency improves the metabolic phenotype and reduces hepatic steatosis of mice subjected to diet-induced obesity. <i>Journal of Hepatology</i> , 2015 , 62, 175-81	13.4	37
138	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, 2099-110	3.8	37
137	Delineating pathological pathways in a chemically induced mouse model of Gaucher disease. <i>Journal of Pathology</i> , 2016 , 239, 496-509	9.4	37
136	Identification of Modifier Genes in a Mouse Model of Gaucher Disease. <i>Cell Reports</i> , 2016 , 16, 2546-2553	10.6	37
135	Identification of a biomarker in cerebrospinal fluid for neuronopathic forms of Gaucher disease. <i>PLoS ONE</i> , 2015 , 10, e0120194	3.7	36
134	Ceramide synthase 1 is regulated by proteasomal mediated turnover. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 1218-27	4.9	36
133	The role of sphingolipids in the maintenance of fibroblast morphology. The inhibition of protrusional activity, cell spreading, and cytokinesis induced by fumonisin B1 can be reversed by ganglioside GM3. <i>Journal of Biological Chemistry</i> , 1997 , 272, 1558-64	5.4	36
132	Neuronal forms of Gaucher disease. <i>Handbook of Experimental Pharmacology</i> , 2013 , 405-19	3.2	35
131	Stress-induced ER to Golgi translocation of ceramide synthase 1 is dependent on proteasomal processing. <i>Experimental Cell Research</i> , 2010 , 316, 78-91	4.2	35
130	Acid beta-glucosidase: insights from structural analysis and relevance to Gaucher disease therapy. <i>Biological Chemistry</i> , 2008 , 389, 1361-9	4.5	35
129	Glycosphingolipidoses: beyond the enzymatic defect. <i>Glycoconjugate Journal</i> , 2004 , 21, 295-304	3	35
128	Identification of N-acyl-fumonisin B1 as new cytotoxic metabolites of fumonisin mycotoxins. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 516-22	5.9	34
127	Lyso-glycosphingolipids mobilize calcium from brain microsomes via multiple mechanisms. <i>Biochemical Journal</i> , 2003 , 375, 561-5	3.8	34
126	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, 241-52		34
125	Glucosylceramide synthesis is required for basic fibroblast growth factor and laminin to stimulate axonal growth. <i>Journal of Neurochemistry</i> , 1997 , 68, 882-5	6	34
124	Up-regulation of glucosylceramide synthesis upon stimulation of axonal growth by basic fibroblast growth factor. Evidence for post-translational modification of glucosylceramide synthase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 9905-9	5.4	32
123	Molecular basis of reduced glucosylceramidase activity in the most common Gaucher disease mutant, N370S. <i>Journal of Biological Chemistry</i> , 2010 , 285, 42105-14	5.4	31

122	Ceramide synthases in biomedical research. <i>Chemistry and Physics of Lipids</i> , 2016 , 197, 25-32	3.7	30
121	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	12.8	30
120	Effect of glucosylceramide on the biophysical properties of fluid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1122-30	3.8	30
119	Cyclodextrin-mediated crystallization of acid β -glucosidase in complex with amphiphilic bicyclic nojirimycin analogues. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 4160-7	3.9	30
118	Genetic diseases of sphingolipid metabolism: pathological mechanisms and therapeutic options. <i>FEBS Letters</i> , 2006 , 580, 5510-7	3.8	30
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, 219-26	5	30
116	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, 4189-99	8.3	29
115	Use of N-([1-14C]hexanoyl)-D-erythro-sphingolipids to assay sphingolipid metabolism. <i>Methods in Enzymology</i> , 1992 , 209, 437-46	1.7	29
114	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, 946-55	4.9	29
113	Eleven residues determine the acyl chain specificity of ceramide synthases. <i>Journal of Biological Chemistry</i> , 2018 , 293, 9912-9921	5.4	28
112	Protection of a ceramide synthase 2 null mouse from drug-induced liver injury: role of gap junction dysfunction and connexin 32 mislocalization. <i>Journal of Biological Chemistry</i> , 2013 , 288, 30904-16	5.4	28
111	Self-segregation of myelin membrane lipids in model membranes. <i>Biophysical Journal</i> , 2011 , 101, 2713-20	0.9	28
110	Effect of aromatic short-chain analogues of ceramide on axonal growth in hippocampal neurons. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 2697-705	8.3	27
109	Lipid diffusion in neurons. <i>Nature</i> , 1993 , 362, 119	50.4	27
108	Oxidized phospholipids induce ceramide accumulation in RAW 264.7 macrophages: role of ceramide synthases. <i>PLoS ONE</i> , 2013 , 8, e70002	3.7	26
107	Phospholipid synthesis is decreased in neuronal tissue in a mouse model of Sandhoff disease. <i>Journal of Neurochemistry</i> , 2004 , 90, 80-8	6	26
106	Regulation of very-long acyl chain ceramide synthesis by acyl-CoA-binding protein. <i>Journal of Biological Chemistry</i> , 2017 , 292, 7588-7597	5.4	25
105	Inhibition of sphingolipid synthesis, but not degradation, alters the rate of dendrite growth in cultured hippocampal neurons. <i>Developmental Brain Research</i> , 1998 , 108, 125-30		25

104	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, 1184-91	5.4	25
103	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	7.6	24
102	The role of sphingolipids in neuronal development: lessons from models of sphingolipid storage diseases. <i>Neurochemical Research</i> , 2002 , 27, 565-74	4.6	24
101	Making Sense of the Yeast Sphingolipid Pathway. <i>Journal of Molecular Biology</i> , 2016 , 428, 4765-4775	6.5	24
100	LPS-mediated septic shock is augmented in ceramide synthase 2 null mice due to elevated activity of TNF α -converting enzyme. <i>FEBS Letters</i> , 2015 , 589, 2213-7	3.8	23
99	In vivo inactivation of glycosidases by conduritol B epoxide and cyclophellitol as revealed by activity-based protein profiling. <i>FEBS Journal</i> , 2019 , 286, 584-600	5.7	23
98	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	2.1	22
97	Pathological levels of glucosylceramide change the biophysical properties of artificial and cell membranes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 340-346	3.6	20
96	Aminopropyl solid phase extraction and 2 D TLC of neutral glycosphingolipids and neutral lysoglycosphingolipids. <i>Journal of Lipid Research</i> , 2003 , 44, 218-26	6.3	20
95	A lyso-platelet activating factor phospholipase C, originally suggested to be a neutral-sphingomyelinase, is located in the endoplasmic reticulum. <i>FEBS Letters</i> , 2000 , 469, 44-6	3.8	20
94	Up-regulation of neutral glycosphingolipid synthesis upon long term inhibition of ceramide synthesis by fumonisins B1. <i>Journal of Biological Chemistry</i> , 1999 , 274, 4607-12	5.4	20
93	Innate immune responses in the brain of sphingolipid lysosomal storage diseases. <i>Biological Chemistry</i> , 2015 , 396, 659-67	4.5	19
92	Development of pheochromocytoma in ceramide synthase 2 null mice. <i>Endocrine-Related Cancer</i> , 2015 , 22, 623-32	5.7	19
91	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, 24397-411 ¹⁹	5.4	19
90	The role of ceramide in regulating endoplasmic reticulum function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158489	5	19
89	Altering sphingolipid composition with aging induces contractile dysfunction of gastric smooth muscle via K(Ca) 1.1 upregulation. <i>Aging Cell</i> , 2015 , 14, 982-94	9.9	18
88	De novo ceramide synthesis is required for N-linked glycosylation in plasma cells. <i>Journal of Immunology</i> , 2009 , 182, 7038-47	5.3	18
87	An exposed carboxyl group on sialic acid is essential for gangliosides to inhibit calcium uptake via the sarco/endoplasmic reticulum Ca ²⁺ -ATPase: relevance to gangliosidoses. <i>Journal of Neurochemistry</i> , 2008 , 104, 140-6	6	17

86	Elevation of lung surfactant phosphatidylcholine in mouse models of Sandhoff and of Niemann-Pick A disease. <i>Journal of Inherited Metabolic Disease</i> , 2004 , 27, 641-8	5.4	17
85	A Stroll Down the CerS Lane. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1159, 49-63	3.6	17
84	Identification of a feedback loop involving β -glucosidase 2 and its product sphingosine sheds light on the molecular mechanisms in Gaucher disease. <i>Journal of Biological Chemistry</i> , 2017 , 292, 6177-6189	5.4	16
83	The metabolism of glucocerebrosides - From 1965 to the present. <i>Molecular Genetics and Metabolism</i> , 2017 , 120, 22-26	3.7	16
82	Glucosylceramide Reorganizes Cholesterol-Containing Domains in a Fluid Phospholipid Membrane. <i>Biophysical Journal</i> , 2016 , 110, 612-622	2.9	16
81	Ablation of ceramide synthase 2 exacerbates dextran sodium sulphate-induced colitis in mice due to increased intestinal permeability. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 3565-3578	5.6	16
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