Anthony H Futerman

List of Publications by Year in Descending Order

229 papers	13,195 citations	62 h-index	108 g-index
240 ext. papers	14,529 ext. citations	6.6 avg, IF	6.57 L-index

#	Paper	IF	Citations
229	16pdel lipid changes in iPSC-derived neurons and function of FAM57B in lipid metabolism and synaptogenesis.. *IScience*, **2022**, 25, 103551	6.1	2
228	Laurdan in live cell imaging: Effect of acquisition settings, cell culture conditions and data analysis on generalized polarization measurements.. *Journal of Photochemistry and Photobiology B: Biology*, **2022**, 228, 112404	6.7	0
227	Fatty acid transport protein 2 interacts with ceramide synthase 2 to promote ceramide synthesis.. *Journal of Biological Chemistry*, **2022**, 298, 101735	5.4	0
226	Dependence of ABCB1 transporter expression and function on distinct sphingolipids generated by ceramide synthases-2 and -6 in chemoresistant renal cancer.. *Journal of Biological Chemistry*, **2021**, 101492	5.4	1
225	A novel C-terminal DxRSDxE motif in ceramide synthases involved in dimer formation.. *Journal of Biological Chemistry*, **2021**, 101517	5.4	1
224	GBA mutations, glucosylceramide and Parkinson's disease. *Current Opinion in Neurobiology*, **2021**, 72, 148-154	7.6	4
223	The fine-tuning of cell membrane lipid bilayers accentuates their compositional complexity. *BioEssays*, **2021**, 43, e2100021	4.1	7
222	Ceramide synthases: Reflections on the impact of Dr. Lina M. Obeid. *Cellular Signalling*, **2021**, 82, 109958	4.9	11
221	Brain pathology and cerebellar purkinje cell loss in a mouse model of chronic neuronopathic Gaucher disease. *Progress in Neurobiology*, **2021**, 197, 101939	10.9	0
220	Substrate reduction therapy using Genz-667161 reduces levels of pathogenic components in a mouse model of neuronopathic forms of Gaucher disease. *Journal of Neurochemistry*, **2021**, 156, 692-701	6	8
219	Ceramide Synthase 2 Null Mice Are Protected from Ovalbumin-Induced Asthma with Higher T Cell Receptor Signal Strength in CD4+ T Cells. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
218	Biophysical impact of sphingosine and other abnormal lipid accumulation in Niemann-Pick disease type C cell models. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2021**, 1866, 158944	5	1
217	Silencing of ceramide synthase 2 in hepatocytes modulates plasma ceramide biomarkers predictive of cardiovascular death. *Molecular Therapy*, **2021**,	11.7	1
216	The role of the sphingoid motif in shaping the molecular interactions of sphingolipids in biomembranes. *Biochimica Et Biophysica Acta - Biomembranes*, **2021**, 1863, 183701	3.8	1
215	The Complex Tail of Circulating Sphingolipids in Atherosclerosis and Cardiovascular Disease. *Journal of Lipid and Atherosclerosis*, **2021**, 10, 268-281	3	0
214	Sphingolipids **2021**, 281-316		0
213	Ceramide synthase 2 deletion decreases the infectivity of HIV-1. *Journal of Biological Chemistry*, **2021**, 296, 100340	5.4	3

212	Proteomics analysis of a human brain sample from a mucolipidosis type IV patient reveals pathophysiological pathways. *Orphanet Journal of Rare Diseases*, **2021**, 16, 39	4.2	4
211	The Lysosome and Nonmotor Symptoms: Linking Parkinson's Disease and Lysosomal Storage Disorders. *Movement Disorders*, **2020**, 35, 2150-2155	7	1
210	Lysosomal Storage Disorders Shed Light on Lysosomal Dysfunction in Parkinson's Disease. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
209	Different rates of flux through the biosynthetic pathway for long-chain versus very-long-chain sphingolipids. *Journal of Lipid Research*, **2020**, 61, 1341-1346	6.3	2
208	Mice defective in interferon signaling help distinguish between primary and secondary pathological pathways in a mouse model of neuronal forms of Gaucher disease. *Journal of Neuroinflammation*, **2020**, 17, 265	10.1	5
207	Innate immune response in neuronopathic forms of Gaucher disease confers resistance against viral-induced encephalitis. *Acta Neuropathologica Communications*, **2020**, 8, 144	7.3	5
206	The role of ceramide in regulating endoplasmic reticulum function. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2020**, 1865, 158489	5	19
205	Integrin Alpha E (CD103) Limits Virus-Induced IFN-I Production in Conventional Dendritic Cells. *Frontiers in Immunology*, **2020**, 11, 607889	8.4	1
204	Yeast ceramide synthases, Lag1 and Lac1, have distinct substrate specificity. *Journal of Cell Science*, **2019**, 132,	5.3	10
203	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	9.7	11
202	Ablation of the pro-inflammatory master regulator miR-155 does not mitigate neuroinflammation or neurodegeneration in a vertebrate model of Gaucher's disease. *Neurobiology of Disease*, **2019**, 127, 563-569	7.5	11
201	Absence of infiltrating peripheral myeloid cells in the brains of mouse models of lysosomal storage disorders. *Journal of Neurochemistry*, **2019**, 148, 625-638	6	11
200	Hepatic triglyceride accumulation via endoplasmic reticulum stress-induced SREBP-1 activation is regulated by ceramide synthases. *Experimental and Molecular Medicine*, **2019**, 51, 1-16	12.8	30
199	The Cell Biology of SARS-CoV-2 **2019**, 5,		2
198	A Stroll Down the CerS Lane. *Advances in Experimental Medicine and Biology*, **2019**, 1159, 49-63	3.6	17
197	In´vivo inactivation of glycosidases by conduritol B epoxide and cyclophellitol as revealed by activity-based protein profiling. *FEBS Journal*, **2019**, 286, 584-600	5.7	23
196	Eleven residues determine the acyl chain specificity of ceramide synthases. *Journal of Biological Chemistry*, **2018**, 293, 9912-9921	5.4	28
195	The brain lipidome in neurodegenerative lysosomal storage disorders. *Biochemical and Biophysical Research Communications*, **2018**, 504, 623-628	3.4	11

194	Sphingolipid regulation of lung epithelial cell mitophagy and necroptosis during cigarette smoke exposure. *FASEB Journal*, **2018**, 32, 1880-1890	0.9	38
193	Fingolimod phosphate inhibits astrocyte inflammatory activity in mucolipidosis IV. *Human Molecular Genetics*, **2018**, 27, 2725-2738	5.6	13
192	Altered lysosome distribution is an early neuropathological event in neurological forms of Gaucher disease. *FEBS Letters*, **2017**, 591, 774-783	3.8	13
191	Jaspine B induces nonapoptotic cell death in gastric cancer cells independently of its inhibition of ceramide synthase. *Journal of Lipid Research*, **2017**, 58, 1500-1513	6.3	13
190	Signalome-wide RNAi screen identifies GBA1 as a positive mediator of autophagic cell death. *Cell Death and Differentiation*, **2017**, 24, 1288-1302	12.7	48
189	Regulation of very-long acyl chain ceramide synthesis by acyl-CoA-binding protein. *Journal of Biological Chemistry*, **2017**, 292, 7588-7597	5.4	25
188	Identification of a feedback loop involving □glucosidase 2 and its product sphingosine sheds light on the molecular mechanisms in Gaucher disease. *Journal of Biological Chemistry*, **2017**, 292, 6177-6189	5.4	16
187	Oxidative stress elicited by modifying the ceramide acyl chain length reduces the rate of clathrin-mediated endocytosis. *Journal of Cell Science*, **2017**, 130, 1486-1493	5.3	12
186	The metabolism of glucocerebrosides - From 1965 to the present. *Molecular Genetics and Metabolism*, **2017**, 120, 22-26	3.7	16
185	Ablation of ceramide synthase 2 exacerbates dextran sodium sulphate-induced colitis in mice due to increased intestinal permeability. *Journal of Cellular and Molecular Medicine*, **2017**, 21, 3565-3578	5.6	16
184	Combining Deep Sequencing, Proteomics, Phosphoproteomics, and Functional Screens To Discover Novel Regulators of Sphingolipid Homeostasis. *Journal of Proteome Research*, **2017**, 16, 571-582	5.6	7
183	Sortilin Deficiency Reduces Ductular Reaction, Hepatocyte Apoptosis, and Liver Fibrosis in Cholestatic-Induced Liver Injury. *American Journal of Pathology*, **2017**, 187, 122-133	5.8	14
182	Clozapine Modulates Glucosylceramide, Clears Aggregated Proteins, and Enhances ATG8/LC3 in Caenorhabditis elegans. *Neuropsychopharmacology*, **2017**, 42, 951-962	8.7	4
181	Critical Role for Very-Long Chain Sphingolipids in Invariant Natural Killer T Cell Development and Homeostasis. *Frontiers in Immunology*, **2017**, 8, 1386	8.4	14
180	Pathological levels of glucosylceramide change the biophysical properties of artificial and cell membranes. *Physical Chemistry Chemical Physics*, **2016**, 19, 340-346	3.6	20
179	Glucosylceramide Reorganizes Cholesterol-Containing Domains in a Fluid Phospholipid Membrane. *Biophysical Journal*, **2016**, 110, 612-622	2.9	16
178	Ceramide synthases in biomedical research. *Chemistry and Physics of Lipids*, **2016**, 197, 25-32	3.7	30
177	Sphingolipids **2016**, 297-326		5

176	Induction of the type I interferon response in neurological forms of Gaucher disease. *Journal of Neuroinflammation*, **2016**, 13, 104	10.1	39
175	Delineating pathological pathways in a chemically induced mouse model of Gaucher disease. *Journal of Pathology*, **2016**, 239, 496-509	9.4	37
174	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, 946-55	4.9	29
173	Identification of Modifier Genes in a Mouse Model of Gaucher Disease. *Cell Reports*, **2016**, 16, 2546-2553	10.6	37
172	Making Sense of the Yeast Sphingolipid Pathway. *Journal of Molecular Biology*, **2016**, 428, 4765-4775	6.5	24
171	Perspective: Finding common ground. *Nature*, **2016**, 537, S160-1	50.4	12
170	KCa 3.1 upregulation preserves endothelium-dependent vasorelaxation during aging and oxidative stress. *Aging Cell*, **2016**, 15, 801-10	9.9	11
169	Innate immune responses in the brain of sphingolipid lysosomal storage diseases. *Biological Chemistry*, **2015**, 396, 659-67	4.5	19
168	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, 280-92	16.6	43
167	Sortilin deficiency improves the metabolic phenotype and reduces hepatic steatosis of mice subjected to diet-induced obesity. *Journal of Hepatology*, **2015**, 62, 175-81	13.4	37
166	Emerging therapeutic targets for Gaucher disease. *Expert Opinion on Therapeutic Targets*, **2015**, 19, 321-34	6.4	12
165	Altering sphingolipid composition with aging induces contractile dysfunction of gastric smooth muscle via K(Ca) 1.1 upregulation. *Aging Cell*, **2015**, 14, 982-94	9.9	18
164	Identification of a biomarker in cerebrospinal fluid for neuronopathic forms of Gaucher disease. *PLoS ONE*, **2015**, 10, e0120194	3.7	36
163	A rapid ceramide synthase activity using NBD-sphinganine and solid phase extraction. *Journal of Lipid Research*, **2015**, 56, 193-9	6.3	14
162	Development of pheochromocytoma in ceramide synthase 2 null mice. *Endocrine-Related Cancer*, **2015**, 22, 623-32	5.7	19
161	LPS-mediated septic shock is augmented in ceramide synthase 2 null mice due to elevated activity of TNF□converting enzyme. *FEBS Letters*, **2015**, 589, 2213-7	3.8	23
160	Neuronal accumulation of glucosylceramide in a mouse model of neuronopathic Gaucher disease leads to neurodegeneration. *Human Molecular Genetics*, **2014**, 23, 843-54	5.6	92
159	From sheep to mice to cells: tools for the study of the sphingolipidoses. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2014**, 1841, 1189-99	5	13

158	Hepatic fatty acid uptake is regulated by the sphingolipid acyl chain length. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2014**, 1841, 1754-66	5	39
157	RIPK3 as a potential therapeutic target for Gaucher□ disease. *Nature Medicine*, **2014**, 20, 204-8	50.5	122
156	CerS2 haploinsufficiency inhibits □-oxidation and confers susceptibility to diet-induced steatohepatitis and insulin resistance. *Cell Metabolism*, **2014**, 20, 687-95	24.6	288
155	Influence of intracellular membrane pH on sphingolipid organization and membrane biophysical properties. *Langmuir*, **2014**, 30, 4094-104	4	10
154	A dynamic interface between vacuoles and mitochondria in yeast. *Developmental Cell*, **2014**, 30, 95-102	10.2	266
153	Changes in membrane biophysical properties induced by sphingomyelinase depend on the sphingolipid N-acyl chain. *Journal of Lipid Research*, **2014**, 55, 53-61	6.3	43
152	Bcl2L13 is a ceramide synthase inhibitor in glioblastoma. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 5682-7	11.5	62
151	The HIV-1 envelope transmembrane domain binds TLR2 through a distinct dimerization motif and inhibits TLR2-mediated responses. *PLoS Pathogens*, **2014**, 10, e1004248	7.6	24
150	Sphingoid long chain bases prevent lung infection by Pseudomonas aeruginosa. *EMBO Molecular Medicine*, **2014**, 6, 1205-14	12	85
149	Reduced ceramide synthase 2 activity causes progressive myoclonic epilepsy. *Annals of Clinical and Translational Neurology*, **2014**, 1, 88-98	5.3	42
148	Ceramide synthases as potential targets for therapeutic intervention in human diseases. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2014**, 1841, 671-81	5	148
147	Accumulation of ordered ceramide-cholesterol domains in farber disease fibroblasts. *JIMD Reports*, **2014**, 12, 71-7	1.9	13
146	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, 2099-110	3.8	37
145	Neuronal forms of Gaucher disease. *Handbook of Experimental Pharmacology*, **2013**, 405-19	3.2	35
144	The complexity of sphingolipid biosynthesis in the endoplasmic reticulum. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 2511-8	4.9	110
143	Effect of glucosylceramide on the biophysical properties of fluid membranes. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 1122-30	3.8	30
142	Identification of N-acyl-fumonisin B1 as new cytotoxic metabolites of fumonisin mycotoxins. *Molecular Nutrition and Food Research*, **2013**, 57, 516-22	5.9	34
141	Ablation of very long acyl chain sphingolipids causes hepatic insulin resistance in mice due to altered detergent-resistant membranes. *Hepatology*, **2013**, 57, 525-32	11.2	117

140	The yeast p5 type ATPase, spf1, regulates manganese transport into the endoplasmic reticulum. *PLoS ONE*, **2013**, 8, e85519	3.7	48
139	Impaired epidermal ceramide synthesis causes autosomal recessive congenital ichthyosis and reveals the importance of ceramide acyl chain length. *Journal of Investigative Dermatology*, **2013**, 133, 2202-11	4.3	107
138	Myristate-derived d16:0 sphingolipids constitute a cardiac sphingolipid pool with distinct synthetic routes and functional properties. *Journal of Biological Chemistry*, **2013**, 288, 13397-409	5.4	51
137	Protection of a ceramide synthase 2 null mouse from drug-induced liver injury: role of gap junction dysfunction and connexin 32 mislocalization. *Journal of Biological Chemistry*, **2013**, 288, 30904-16	5.4	28
136	Ablation of ceramide synthase 2 causes chronic oxidative stress due to disruption of the mitochondrial respiratory chain. *Journal of Biological Chemistry*, **2013**, 288, 4947-56	5.4	126
135	Crystal structure of the enzyme acid □glucosidase **2013**, 124-138		
134	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	3.7	47
133	Oxidized phospholipids induce ceramide accumulation in RAW 264.7 macrophages: role of ceramide synthases. *PLoS ONE*, **2013**, 8, e70002	3.7	26
132	Lysosomal storage disorders: old diseases, present and future challenges. *Pediatric Endocrinology Reviews*, **2013**, 11 Suppl 1, 59-63	1.1	11
131	Methylation of glycosylated sphingolipid modulates membrane lipid topography and pathogenicity of Cryptococcus neoformans. *Cellular Microbiology*, **2012**, 14, 500-16	3.9	51
130	Ceramide kinase-like (CERKL) interacts with neuronal calcium sensor proteins in the retina in a cation-dependent manner **2012**, 53, 4565-74		13
129	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, 3197-206	5.4	47
128	Contribution of brain inflammation to neuronal cell death in neuronopathic forms of Gaucher□s disease. *Brain*, **2012**, 135, 1724-35	11.2	110
127	Modulation of ceramide synthase activity via dimerization. *Journal of Biological Chemistry*, **2012**, 287, 21025-33	5.4	79
126	Limonoid compounds inhibit sphingomyelin biosynthesis by preventing CERT protein-dependent extraction of ceramides from the endoplasmic reticulum. *Journal of Biological Chemistry*, **2012**, 287, 24397-411	5.4	19
125	Ablation of ceramide synthase 2 strongly affects biophysical properties of membranes. *Journal of Lipid Research*, **2012**, 53, 430-436	6.3	57
124	Self-segregation of myelin membrane lipids in model membranes. *Biophysical Journal*, **2011**, 101, 2713-20	3.9	28
123	Animal models for Gaucher disease research. *DMM Disease Models and Mechanisms*, **2011**, 4, 746-52	4.1	62

122	Effect of ceramide structure on membrane biophysical properties: the role of acyl chain length and unsaturation. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 2753-60	3.8	140
121	Intracellular localization of organized lipid domains of C16-ceramide/cholesterol. *Journal of Structural Biology*, **2011**, 175, 21-30	3.4	15
120	Cyclodextrin-mediated crystallization of acid β-glucosidase in complex with amphiphilic bicyclic nojirimycin analogues. *Organic and Biomolecular Chemistry*, **2011**, 9, 4160-7	3.9	30
119	Lysosomal storage disorders and Parkinson's disease: Gaucher disease and beyond. *Movement Disorders*, **2011**, 26, 1593-604	7	120
118	Comparison of a molecular dynamics model with the X-ray structure of the N370S acid-beta-glucosidase mutant that causes Gaucher disease. *Protein Engineering, Design and Selection*, **2011**, 24, 773-5	1.9	12
117	Spatial and temporal correlation between neuron loss and neuroinflammation in a mouse model of neuronopathic Gaucher disease. *Human Molecular Genetics*, **2011**, 20, 1375-86	5.6	75
116	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, 30022-33	5.4	58
115	A critical role for ceramide synthase 2 in liver homeostasis: II. insights into molecular changes leading to hepatopathy. *Journal of Biological Chemistry*, **2010**, 285, 10911-23	5.4	164
114	Altered expression and distribution of cathepsins in neuronopathic forms of Gaucher disease and in other sphingolipidoses. *Human Molecular Genetics*, **2010**, 19, 3583-90	5.6	62
113	A critical role for ceramide synthase 2 in liver homeostasis: I. alterations in lipid metabolic pathways. *Journal of Biological Chemistry*, **2010**, 285, 10902-10	5.4	171
112	Cellular pathogenesis in sphingolipid storage disorders: the quest for new therapeutic approaches. *Clinical Lipidology*, **2010**, 5, 255-265		3
111	Molecular basis of reduced glucosylceramidase activity in the most common Gaucher disease mutant, N370S. *Journal of Biological Chemistry*, **2010**, 285, 42105-14	5.4	31
110	Common and uncommon pathogenic cascades in lysosomal storage diseases. *Journal of Biological Chemistry*, **2010**, 285, 20423-7	5.4	255
109	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, 219-23	3.4	54
108	Characterization of gene-activated human acid-beta-glucosidase: crystal structure, glycan composition, and internalization into macrophages. *Glycobiology*, **2010**, 20, 24-32	5.8	97
107	The role of the ceramide acyl chain length in neurodegeneration: involvement of ceramide synthases. *NeuroMolecular Medicine*, **2010**, 12, 341-50	4.6	105
106	Stress-induced ER to Golgi translocation of ceramide synthase 1 is dependent on proteasomal processing. *Experimental Cell Research*, **2010**, 316, 78-91	4.2	35
105	Mammalian ceramide synthases. *IUBMB Life*, **2010**, 62, 347-56	4.7	250

104	Ceramide synthases: roles in cell physiology and signaling. *Advances in Experimental Medicine and Biology*, **2010**, 688, 60-71	3.6	121
103	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. *Journal of Biological Chemistry*, **2009**, 284, 16090-16098	5.4	96
102	No evidence for activation of the unfolded protein response in neuronopathic models of Gaucher disease. *Human Molecular Genetics*, **2009**, 18, 1482-8	5.6	47
101	Ceramide synthase 1 is regulated by proteasomal mediated turnover. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2009**, 1793, 1218-27	4.9	36
100	6-Amino-6-deoxy-5,6-di-N-(NPoctyliminomethylidene)nojirimycin: synthesis, biological evaluation, and crystal structure in complex with acid beta-glucosidase. *ChemBioChem*, **2009**, 10, 1480-5	3.8	42
99	Impaired IL-10 transcription and release in animal models of Gaucher disease macrophages. *Blood Cells, Molecules, and Diseases*, **2009**, 43, 134-7	2.1	12
98	Lipid raft composition modulates sphingomyelinase activity and ceramide-induced membrane physical alterations. *Biophysical Journal*, **2009**, 96, 3210-22	2.9	79
97	De novo ceramide synthesis is required for N-linked glycosylation in plasma cells. *Journal of Immunology*, **2009**, 182, 7038-47	5.3	18
96	Acid beta-glucosidase: insights from structural analysis and relevance to Gaucher disease therapy. *Biological Chemistry*, **2008**, 389, 1361-9	4.5	35
95	Characterization of ceramide synthase 2: tissue distribution, substrate specificity, and inhibition by sphingosine 1-phosphate. *Journal of Biological Chemistry*, **2008**, 283, 5677-84	5.4	328
94	An exposed carboxyl group on sialic acid is essential for gangliosides to inhibit calcium uptake via the sarco/endoplasmic reticulum Ca2+-ATPase: relevance to gangliosidoses. *Journal of Neurochemistry*, **2008**, 104, 140-6	6	17
93	Control of the rate of evaporation in protein crystallization by the Pmicrobatch under oilPmethod. *Journal of Applied Crystallography*, **2008**, 41, 969-971	3.8	13
92	Regulation of (di-hydro) ceramide synthase 1. *FASEB Journal*, **2008**, 22, 299-299	0.9	1
91	Antibody labeling of cholesterol/ceramide ordered domains in cell membranes. *ChemBioChem*, **2007**, 8, 2286-94	3.8	15
90	Production of glucocerebrosidase with terminal mannose glycans for enzyme replacement therapy of GaucherB disease using a plant cell system. *Plant Biotechnology Journal*, **2007**, 5, 579-90	11.6	317
89	The metabolism and function of sphingolipids and glycosphingolipids. *Cellular and Molecular Life Sciences*, **2007**, 64, 2270-84	10.3	255
88	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. *Journal of Biological Chemistry*, **2007**, 282, 29052-29058	5.4	102
87	A new functional motif in Hox domain-containing ceramide synthases: identification of a novel region flanking the Hox and TLC domains essential for activity. *Journal of Biological Chemistry*, **2007** , 282, 27366-27373	5.4	49

86	(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. *Molecular Cancer Research*, **2007**, 5, 801-12	6.6	96
85	Changes in macrophage morphology in a Gaucher disease model are dependent on CTP:phosphocholine cytidylyltransferase alpha. *Blood Cells, Molecules, and Diseases*, **2007**, 39, 124-9	2.1	7
84	Kinetic characterization of mammalian ceramide synthases: determination of K(m) values towards sphinganine. *FEBS Letters*, **2007**, 581, 5289-94	3.8	64
83	When do Lasses (longevity assurance genes) become CerS (ceramide synthases)?: Insights into the regulation of ceramide synthesis. *Journal of Biological Chemistry*, **2006**, 281, 25001-5	5.4	347
82	Genetic diseases of sphingolipid metabolism: pathological mechanisms and therapeutic options. *FEBS Letters*, **2006**, 580, 5510-7	3.8	30
81	Intracellular trafficking of sphingolipids: relationship to biosynthesis. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 1885-92	3.8	54
80	The X-Ray Structure of Human Acid-beta-Glucosidase **2006**, 85-96		
79	Structural comparison of differently glycosylated forms of acid-beta-glucosidase, the defective enzyme in Gaucher disease. *Acta Crystallographica Section D: Biological Crystallography*, **2006**, 62, 1458-65		38
78	Reversion of the biochemical defects in murine embryonic Sandhoff neurons using a bicistronic lentiviral vector encoding hexosaminidase alpha and beta. *Journal of Neurochemistry*, **2006**, 96, 1572-9	6	7
77	Synthesis and biological evaluation of novel PDMP analogues. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 5273-84	3.4	12
76	Neuronal Cell Death in Glycosphingolipidoses **2006**, 285-293		
75	Ceramide Synthase **2006**, 49-56		1
74	Enhanced calcium release in the acute neuronopathic form of Gaucher disease. *Neurobiology of Disease*, **2005**, 18, 83-8	7.5	125
73	Defective calcium homeostasis in the cerebellum in a mouse model of Niemann-Pick A disease. *Journal of Neurochemistry*, **2005**, 95, 1619-28	6	48
72	Gaucher disease: pathological mechanisms and modern management. *British Journal of Haematology*, **2005**, 129, 178-88	4.5	203
71	The ins and outs of sphingolipid synthesis. *Trends in Cell Biology*, **2005**, 15, 312-8	18.3	257
70	Les maladies lysosomales : m□anismes pathologiques et options th□apeutiques. *Medecine/Sciences*, **2005**, 21, 16-19		
69	The exon 8-containing prosaposin gene splice variant is dispensable for mouse development, lysosomal function, and secretion. *Molecular and Cellular Biology*, **2005**, 25, 2431-40	4.8	14

68	LASS5 is a bona fide dihydroceramide synthase that selectively utilizes palmitoyl-CoA as acyl donor. *Journal of Biological Chemistry*, **2005**, 280, 33735-8	5.4	91
67	X-ray structure of human acid-beta-glucosidase covalently bound to conduritol-B-epoxide. Implications for Gaucher disease. *Journal of Biological Chemistry*, **2005**, 280, 23815-9	5.4	85
66	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, 241-52		34
65	Phospholipid synthesis is decreased in neuronal tissue in a mouse model of Sandhoff disease. *Journal of Neurochemistry*, **2004**, 90, 80-8	6	26
64	The cell biology of lysosomal storage disorders. *Nature Reviews Molecular Cell Biology*, **2004**, 5, 554-65	48.7	590
63	The complex life of simple sphingolipids. *EMBO Reports*, **2004**, 5, 777-82	6.5	526
62	Elevation of lung surfactant phosphatidylcholine in mouse models of Sandhoff and of Niemann-Pick A disease. *Journal of Inherited Metabolic Disease*, **2004**, 27, 641-8	5.4	17
61	Glycosphingolipidoses: beyond the enzymatic defect. *Glycoconjugate Journal*, **2004**, 21, 295-304	3	35
60	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	2.1	22
59	New directions in the treatment of Gaucher disease. *Trends in Pharmacological Sciences*, **2004**, 25, 147-51	13.2	91
58	The pathogenesis of glycosphingolipid storage disorders. *Seminars in Cell and Developmental Biology*, **2004**, 15, 417-31	7.5	60
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