Konrad Sandhoff

List of Publications by Year
in descending order

285	23,048	6233 80	10424 139
papers	citations	h-index	g-index

303	303	303	16944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A case of spastic paraplegia type 11 mimicking a GM2-gangliosidosis. Neurological Sciences, 2022, 43, 2849-2852.	0.9	0
2	Acid Sphingomyelinase, a Lysosomal and Secretory Phospholipase C, Is Key for Cellular Phospholipid Catabolism. International Journal of Molecular Sciences, 2021, 22, 9001.	1.8	21
3	Secondary ganglioside GM2 accumulation in mucopolysaccharidoses. Molecular Genetics and Metabolism Reports, 2021, 28, 100789.	0.4	0
4	Mechanism of Secondary Ganglioside and Lipid Accumulation in Lysosomal Disease. International Journal of Molecular Sciences, 2020, 21, 2566.	1.8	52
5	Acid ceramidase deficiency: Farber lipogranulomatosis, spinal muscular atrophy associated with progressive myoclonic epilepsy and peripheral osteolysis. , 2020, , 547-557.		0
6	Emerging mechanisms of drug-induced phospholipidosis. Biological Chemistry, 2019, 401, 31-46.	1.2	97
7	Lysosomal Glycosphingolipid Storage Diseases. Annual Review of Biochemistry, 2019, 88, 461-485.	5.0	78
8	Ganglioside GM2 catabolism is inhibited by storage compounds of mucopolysaccharidoses and by cationic amphiphilic drugs. Molecular Genetics and Metabolism, 2019, 128, 75-83.	0.5	12
9	Membrane lipids and their degradation compounds control GM2 catabolism at intralysosomal luminal vesicles. Journal of Lipid Research, 2019, 60, 1099-1111.	2.0	15
10	In Human and Mouse Spino-Cerebellar Tissue, Ataxin-2 Expansion Affects Ceramide-Sphingomyelin Metabolism. International Journal of Molecular Sciences, 2019, 20, 5854.	1.8	19
11	Ceramide Synthase Schlank Is a Transcriptional Regulator Adapting Gene Expression to Energy Requirements. Cell Reports, 2018, 22, 967-978.	2.9	40
12	Inactivation of ceramide synthase 2 catalytic activity in mice affects transcription of genes involved in lipid metabolism and cell division. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 734-749.	1.2	16
13	Unbalanced lipolysis results in lipotoxicity and mitochondrial damage in peroxisome-deficient Pex19 mutants. Molecular Biology of the Cell, 2018, 29, 396-407.	0.9	40
14	Emerging concepts of ganglioside metabolism. FEBS Letters, 2018, 592, 3835-3864.	1.3	72
15	Ganglioside Metabolism in Health and Disease. Progress in Molecular Biology and Translational Science, 2018, 156, 1-62.	0.9	55
16	Ganglioside Metabolism and Its Inherited Diseases. Methods in Molecular Biology, 2018, 1804, 97-141.	0.4	20
17	Lipids regulate the hydrolysis of membrane bound glucosylceramide by lysosomal Î²-glucocerebrosidase. Journal of Lipid Research, 2017, 58, 563-577.	2.0	38
18	Synthetic Glycoforms Reveal Carbohydrateâ€Dependent Bioactivity of Human Saposinâ€…D. Angewandte Chemie, 2017, 129, 5336-5341.	1.6	13

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19	Synthetic Glycoforms Reveal Carbohydrateâ€Dependent Bioactivity of Human Saposinâ€...D. Angewandte Chemie - International Edition, 2017, 56, 5252-5257.	7.2	33
20	Characterization of Drosophila saposin-related mutants as a model for lysosomal sphingolipid storage diseases. DMM Disease Models and Mechanisms, 2017, 10, 737-750.	1.2	13
21	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
22	Neuronal sphingolipidoses: Membrane lipids and sphingolipid activator proteins regulate lysosomal sphingolipid catabolism. Biochimie, 2016, 130, 146-151.	1.3	35
23	Acid Ceramidase Deficiency. , 2015, , 395-402.		2
24	Accumulation of Glucosylceramide in the Absence of the Beta-Glucosidase GBA2 Alters Cytoskeletal Dynamics. PLoS Genetics, 2015, 11, e1005063.	1.5	39
25	Membrane-spanning lipids for an uncompromised monitoring of membrane fusion and intermembrane lipid transfer. Journal of Lipid Research, 2015, 56, 1861-1879.	2.0	19
26	Membrane lipids regulate ganglioside GM2 catabolism and GM2 activator protein activity. Journal of Lipid Research, 2015, 56, 1747-1761.	2.0	32
27	Acid sphingomyelinase activity is regulated by membrane lipids and facilitates cholesterol transfer by NPC2. Journal of Lipid Research, 2014, 55, 2606-2619.	2.0	65
28	Activation of Nrf2 in keratinocytes causes chloracne (MADISH)â€like skin disease in mice. EMBO Molecular Medicine, 2014, 6, 442-457.	3.3	81
29	Labeled chemical biology tools for investigating sphingolipid metabolism, trafficking and interaction with lipids and proteins. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1161-1173.	1.2	24
30	Sphingolipids and lysosomal pathologies. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 799-810.	1.2	88
31	The role of sphingolipid metabolism in cutaneous permeabilitybarrier formation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 441-452.	1.2	141
32	Partial synthesis of ganglioside and lysoganglioside lipoforms as internal standards for MS quantification. Journal of Lipid Research, 2014, 55, 2692-2706.	2.0	10
33	CLN3 Loss Disturbs Membrane Microdomain Properties and Protein Transport in Brain Endothelial Cells. Journal of Neuroscience, 2013, 33, 18065-18079.	1.7	53
34	Functional and genetic characterization of the non-lysosomal glucosylceramidase 2 as a modifier for Gaucher disease. Orphanet Journal of Rare Diseases, 2013, 8, 151.	1.2	24
35	Killing from the inside. Nature, 2013, 502, 312-313.	13.7	79
36	Loss of CB1 receptors leads to decreased cathepsin D levels and accelerated lipofuscin accumulation in the hippocampus. Mechanisms of Ageing and Development, 2013, 134, 391-399.	2.2	27

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37	Gangliosides and Gangliosidoses: Principles of Molecular and Metabolic Pathogenesis. Journal of Neuroscience, 2013, 33, 10195-10208.	1.7	356
38	Metabolic and cellular bases of sphingolipidoses. Biochemical Society Transactions, 2013, 41, 1562-1568.	1.6	47
39	TCF/Lef1-Mediated Control of Lipid Metabolism Regulates Skin Barrier Function. Journal of Investigative Dermatology, 2012, 132, 337-345.	0.3	21
40	Ablation of Neuronal Ceramide Synthase 1 in Mice Decreases Ganglioside Levels and Expression of Myelin-associated Glycoprotein in Oligodendrocytes. Journal of Biological Chemistry, 2012, 287, 41888-41902.	1.6	117
41	My journey into the world of sphingolipids and sphingolipidoses. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2012, 88, 554-582.	1.6	35
42	Nrf2 links epidermal barrier function with antioxidant defense. EMBO Molecular Medicine, 2012, 4, 364-379.	3.3	153
43	Mass spectrometric analysis of neutral sphingolipids: Methods, applications, and limitations. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 854-860.	1.2	35
44	Regulation of the NPC2 proteinâ€mediated cholesterol trafficking by membrane lipids. Journal of Neurochemistry, 2011, 116, 702-707.	2.1	43
45	Role for LAMP-2 in endosomal cholesterol transport. Journal of Cellular and Molecular Medicine, 2011, 15, 280-295.	1.6	70
46	Biological Function of the Cellular Lipid BMPâ€”BMP as a Key Activator for Cholesterol Sorting and Membrane Digestion. Neurochemical Research, 2011, 36, 1594-1600.	1.6	108
47	PAR2 absence completely rescues inflammation and ichthyosis caused by altered CAP1/Prss8 expression in mouse skin. Nature Communications, 2011, 2, 161.	5.8	96
48	Lysosomal Lipid Storage Diseases. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004804-a004804.	2.3	142
49	Sphingolipid Storage Affects Autophagic Metabolism of the Amyloid Precursor Protein and Promotes Aβ Generation. Journal of Neuroscience, 2011, 31, 1837-1849.	1.7	82
50	Lysosomal degradation of membrane lipids. FEBS Letters, 2010, 584, 1700-1712.	1.3	229
51	Hsp70 stabilizes lysosomes and reverts Niemannâ€“Pick disease-associated lysosomal pathology. Nature, 2010, 463, 549-553.	13.7	425
52	Golgi-to-phagosome transport of acid sphingomyelinase and prosaposin is mediated by sortilin. Journal of Cell Science, 2010, 123, 2502-2511.	1.2	70
53	Role of endosomal membrane lipids and NPC2 in cholesterol transfer and membrane fusion. Journal of Lipid Research, 2010, 51, 1747-1760.	2.0	71
54	Prion-induced Activation of Cholesterogenic Gene Expression by Srebp2 in Neuronal Cells. Journal of Biological Chemistry, 2009, 284, 31260-31269.	1.6	34

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55	Adult Ceramide Synthase 2 (CERS2)-deficient Mice Exhibit Myelin Sheath Defects, Cerebellar Degeneration, and Hepatocarcinomas. Journal of Biological Chemistry, 2009, 284, 33549-33560.	1.6	245
56	Saposin B-dependent Reconstitution of Arylsulfatase A Activity in Vitro and in Cell Culture Models of Metachromatic Leukodystrophy. Journal of Biological Chemistry, 2009, 284, 9372-9381.	1.6	17
57	Membrane lipids and degenerative lysosomal storage disorders. Clinical Therapeutics, 2009, 31, S179-S180.	1.1	1
58	Principles of lysosomal membrane degradation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 674-683.	1.9	203
59	Normal phase liquid chromatography coupled to quadrupole time of flight atmospheric pressure chemical ionization mass spectrometry for separation, detection and mass spectrometric profiling of neutral sphingolipids and cholesterol. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2976-2982.	1.2	54
60	Hexosaminidase assays. Glycoconjugate Journal, 2009, 26, 945-952.	1.4	66
61	Schlank, a member of the ceramide synthase family controls growth and body fat in Drosophila. EMBO Journal, 2009, 28, 3706-3716.	3.5	76
62	Direct observation of the nanoscale dynamics of membrane lipids in a living cell. Nature, 2009, 457, 1159-1162.	13.7	1,392
63	Neural precursor cell cultures from GM2 gangliosidosis animal models recapitulate the biochemical and molecular hallmarks of the brain pathology. Journal of Neurochemistry, 2009, 109, 135-147.	2.1	38
64	Crystal Structures of Human Saposins C and D: Implications for Lipid Recognition and Membrane Interactions. Structure, 2008, 16, 809-817.	1.6	78
65	Insulin receptor and lipid metabolism pathology in ataxin-2 knock-out mice. Human Molecular Genetics, 2008, 17, 1465-1481.	1.4	107
66	Postnatal Requirement of the Epithelial Sodium Channel for Maintenance of Epidermal Barrier Function. Journal of Biological Chemistry, 2008, 283, 2622-2630.	1.6	38
67	Integrity and Barrier Function of the Epidermis Critically Depend on Glucosylceramide Synthesis. Journal of Biological Chemistry, 2007, 282, 3083-3094.	1.6	105
68	Development of an assay for the intermembrane transfer of cholesterol by Niemann-Pick C2 protein. Biological Chemistry, 2007, 388, 617-26.	1.2	60
69	Overexpression and mass spectrometry analysis of mature human acid ceramidase. Biological Chemistry, 2007, 388, 1333-1343.	1.2	29
70	Identification of the protein receptor binding site of botulinum neurotoxins B and G proves the double-receptor concept. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 359-364.	3.3	169
71	Separation and mass spectrometric characterization of covalently bound skin ceramides using LC/APCI-MS and Nano-ESI-MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 562-570.	1.2	56
72	Normal epidermal differentiation but impaired skin-barrier formation upon keratinocyte-restricted IKK1 ablation. Nature Cell Biology, 2007, 9, 461-469.	4.6	87

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73	Saposinâ€ƒB mobilizes lipids from cholesterol-poor and bis(monoacylglycero)phosphate-rich membranes at acidic pH. FEBS Journal, 2007, 274, 3405-3420.	2.2	58
74	Optimization of submerged keratinocyte cultures for the synthesis of barrier ceramides. European Journal of Cell Biology, 2007, 86, 657-673.	1.6	25
75	Characterization of Human Saposins by NMR Spectroscopyâ€. Biochemistry, 2006, 45, 5206-5216.	1.2	27
76	Sphingolipid metabolism diseases. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 2057-2079.	1.4	306
77	Apoptotic Vesicles Crossprime CD8 T Cells and Protect against Tuberculosis. Immunity, 2006, 24, 105-117.	6.6	353
78	Crystallization and preliminary characterization of three different crystal forms of human saposin C heterologously expressed inPichia pastoris. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 117-120.	0.7	5
79	The enzyme-binding region of human GM2-activator protein. FEBS Journal, 2006, 273, 982-991.	2.2	28
80	Saposin A Mobilizes Lipids from Low Cholesterol and High Bis(monoacylglycerol)phosphate-containing Membranes. Journal of Biological Chemistry, 2006, 281, 32451-32460.	1.6	69
81	Saposin C stimulates growth and invasion, activates p42/44 and SAPK/JNK signaling pathways of MAPK and upregulates uPA/uPAR expression in prostate cancer and stromal cells. Asian Journal of Andrology, 2005, 7, 147-158.	0.8	26
82	Amplification and overexpression of prosaposin in prostate cancer. Genes Chromosomes and Cancer, 2005, 44, 351-364.	1.5	46
83	Site-Specific Cleavage-A Model System for the Identification of Lipid-Modified Glutamate Residues in Proteins. ChemBioChem, 2005, 6, 178-185.	1.3	5
84	Synthesis of novel NBD-GM1 and NBD-GM2 for the transfer activity of GM2-activator protein by a FRET-based assay system. Glycobiology, 2005, 15, 1302-1311.	1.3	51
85	Interruption of ganglioside synthesis produces central nervous system degeneration and altered axon-glial interactions. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2725-2730.	3.3	212
86	Inhibition of Glycosphingolipid Biosynthesis Reduces Secretion of the Î²-Amyloid Precursor Protein and Amyloid Î²-Peptide*[boxs]. Journal of Biological Chemistry, 2005, 280, 28110-28117.	1.6	115
87	The epidermal barrier function is dependent on the serine protease CAP1/Prss8. Journal of Cell Biology, 2005, 170, 487-496.	2.3	255
88	Acid Ceramidase Overexpression Prevents the Inhibitory Effects of Saturated Fatty Acids on Insulin Signaling. Journal of Biological Chemistry, 2005, 280, 20148-20153.	1.6	188
89	A novel mass spectrometric assay for the cerebroside sulfate activator protein (saposin B) and arylsulfatase A. Journal of Lipid Research, 2005, 46, 2254-2264.	2.0	9
90	Lipid-binding Proteins in Membrane Digestion, Antigen Presentation, and Antimicrobial Defense. Journal of Biological Chemistry, 2005, 280, 41125-41128.	1.6	70

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91	PRINCIPLES OF LYSOSOMAL MEMBRANE DIGESTION: Stimulation of Sphingolipid Degradation by Sphingolipid Activator Proteins and Anionic Lysosomal Lipids. Annual Review of Cell and Developmental Biology, 2005, 21, 81-103.	4.0	397
92	Functional characterization of the postulated intramolecular sphingolipid activator protein domain of human acid sphingomyelinase. Biological Chemistry, 2004, 385, 1193-5.	1.2	21
93	Photoaffinity labelling of the Human GM2-activator protein. Mechanistic insight into ganglioside GM2 degradation. FEBS Journal, 2004, 271, 614-627.	0.2	49
94	Saposin C is required for lipid presentation by human CD1b. Nature Immunology, 2004, 5, 169-174.	7.0	160
95	Nitric oxide regulates synthesis of gene products involved in keratinocyte differentiation and ceramide metabolism. European Journal of Cell Biology, 2004, 83, 667-679.	1.6	16
96	Loss of keratin 10 is accompanied by increased sebocyte proliferation and differentiation. European Journal of Cell Biology, 2004, 83, 747-759.	1.6	38
97	Prosaptide TX14A stimulates growth, migration, and invasion and activates the Raf-MEK-ERK-RSK-Elk-1 signaling pathway in prostate cancer cells. Prostate, 2004, 61, 114-123.	1.2	23
98	Expression of the GM2-activator protein in the methylotrophic yeast Pichia pastoris, purification, isotopic labeling, and biophysical characterization. Protein Expression and Purification, 2004, 34, 147-157.	0.6	23
99	Interactions of acid sphingomyelinase and lipid bilayers in the presence of the tricyclic antidepressant desipramine. FEBS Letters, 2004, 559, 96-98.	1.3	172
100	Purified recombinant human prosaposin forms oligomers that bind procathepsin D and affect its autoactivation. Biochemical Journal, 2004, 383, 507-515.	1.7	63
101	Characterization of two Turkish Î²-hexosaminidase mutations causing Tayâ€“Sachs disease. Brain and Development, 2003, 25, 191-194.	0.6	13
102	A new point mutation (G412 to A) at the last nucleotide of exon 3 of hexosaminidase Î±-subunit gene affects splicing. Brain and Development, 2003, 25, 203-206.	0.6	11
103	Human acid sphingomyelinase. Assignment of the disulfide bond pattern. FEBS Journal, 2003, 270, 1076-1088.	0.2	40
104	6(S)-Methyl-3(S)-(1-methylethyl)piperazin-2-one. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o171-o173.	0.2	0
105	Biosynthesis and degradation of mammalian glycosphingolipids. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 847-861.	1.8	157
106	The X-ray Crystal Structure of Human Î²-Hexosaminidase B Provides New Insights into Sandhoff Disease. Journal of Molecular Biology, 2003, 328, 669-681.	2.0	109
107	Physiological relevance of sphingolipid activator proteins in cultured human fibroblasts. Biochimie, 2003, 85, 439-448.	1.3	10
108	Detection and identification of Vav1 protein in primary cultured murine cerebellar neurons and in neuroblastoma cells (SH-SY5Y and Neuro-2a). Neuroscience Letters, 2003, 339, 37-40.	1.0	9

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109	Expression of recombinant human GM2-activator protein in insect cells: purification and characterization by mass spectrometry. Protein Expression and Purification, 2003, 27, 259-266.	0.6	27
110	The Reverse Activity of Human Acid Ceramidase. Journal of Biological Chemistry, 2003, 278, 29948-29953.	1.6	133
111	Enhanced insulin sensitivity in mice lacking ganglioside GM3. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3445-3449.	3.3	487
112	Recombinant Ganglioside GM2 Synthaseâ€"Expression in Insect Cells and Enzyme Assay. Methods in Enzymology, 2003, 363, 476-489.	0.4	0
113	Purification and Characterization of Recombinant, Human Acid Ceramidase. Journal of Biological Chemistry, 2003, 278, 32978-32986.	1.6	88
114	Phosphatidylinositol-3,5-Bisphosphate Is a Potent and Selective Inhibitor of Acid Sphingomyelinase. Biological Chemistry, 2003, 384, 1293-8.	1.2	59
115	RNA Interference: Analyzing the Function of Glycoproteins and Glycosylating Proteins in Mammalian Cells. Methods in Enzymology, 2003, 363, 173-190.	0.4	1
116	Interaction of the GM2 Activator Protein with Sulfated and Sialylated Glycosphingolipids. Methods in Enzymology, 2003, 363, 207-222.	0.4	3
117	Chapter 14 Sphingolipids: metabolism and cell signaling. New Comprehensive Biochemistry, 2002, 36, 373-407.	0.1	48
118	Combinatorial Ganglioside Biosynthesis. Journal of Biological Chemistry, 2002, 277, 25859-25862.	1.6	271
119	Sphingolipid metabolism during epidermal barrier development in mice. Journal of Lipid Research, 2002, 43, 1727-1733.	2.0	37
120	Physiological Substrates for Human Lysosomal Î²-Hexosaminidase S. Journal of Biological Chemistry, 2002, 277, 2562-2572.	1.6	81
121	Procathepsin D Interacts with Prosaposin in Cancer Cells but Its Internalization Is Not Mediated by LDL Receptor-Related Protein. Experimental Cell Research, 2002, 277, 210-219.	1.2	25
122	Insertional Mutagenesis of the Mouse Acid Ceramidase Gene Leads to Early Embryonic Lethality in Homozygotes and Progressive Lipid Storage Disease in Heterozygotes. Genomics, 2002, 79, 218-224.	1.3	104
123	An Inducible Mouse Model of Late Onset Tayâ€"Sachs Disease. Neurobiology of Disease, 2002, 10, 201-210.	2.1	31
124	Deficiency of Epidermal Protein-Bound Ï‰-Hydroxyceramides in Atopic Dermatitis. Journal of Investigative Dermatology, 2002, 119, 166-173.	0.3	212
125	Identification of ceramide binding proteins in neuronal cells: a critical point of view. Neurochemical Research, 2002, 27, 717-727.	1.6	22
126	Systemic inflammation in glucocerebrosidase-deficient mice with minimal glucosylceramide storage. Journal of Clinical Investigation, 2002, 109, 1215-1221.	3.9	114

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127	Systemic inflammation in glucocerebrosidase-deficient mice with minimal glucosylceramide storage. Journal of Clinical Investigation, 2002, 109, 1215-1221.	3.9	73
128	8. The GM2-gangliosidoses and the elucidation of the Î²-hexosaminidase system. Advances in Genetics, 2001, 44, 67-91.	0.8	15
129	Molecular analysis of acid ceramidase deficiency in patients with Farber disease. Human Mutation, 2001, 17, 199-209.	1.1	76
130	Interaction of the GM2-activator protein with phospholipid-ganglioside bilayer membranes and with monolayers at the air-water interface. FEBS Journal, 2001, 261, 650-658.	0.2	72
131	Upâ€regulation of prosaposin by the retinoid HPR and the effect on ceramide production and integrin receptors. FASEB Journal, 2001, 15, 1475-1477.	0.2	15
132	Stimulation of Acid Sphingomyelinase Activity by Lysosomal Lipids and Sphingolipid Activator Proteins. Biological Chemistry, 2001, 382, 283-90.	1.2	94
133	Human Acid Ceramidase. Journal of Biological Chemistry, 2001, 276, 35352-35360.	1.6	98
134	Interfacial Regulation of Acid Ceramidase Activity. Journal of Biological Chemistry, 2001, 276, 5760-5768.	1.6	113
135	Degradation of Membrane-bound Ganglioside GM2 by Î²-Hexosaminidase A. Journal of Biological Chemistry, 2001, 276, 12685-12690.	1.6	57
136	Mice Expressing Only Monosialoganglioside GM3 Exhibit Lethal Audiogenic Seizures. Journal of Biological Chemistry, 2001, 276, 6885-6888.	1.6	218
137	Complete analysis of the glycosylation and disulfide bond pattern of human Â-hexosaminidase B by MALDI-MS. Glycobiology, 2001, 11, 549-556.	1.3	30
138	CD95 Signaling via Ceramide-rich Membrane Rafts. Journal of Biological Chemistry, 2001, 276, 20589-20596.	1.6	559
139	Biosynthesis and Degradation. , 2001, , 2149-2181.		0
140	[10] In Vitro assays for enzymes of ganglioside synthesis. Methods in Enzymology, 2000, 311, 82-94.	0.4	8
141	[29] Sphingolipid hydrolases and activator proteins. Methods in Enzymology, 2000, 311, 255-276.	0.4	13
142	[47] Sphingolipid photoaffinity labels. Methods in Enzymology, 2000, 311, 568-600.	0.4	16
143	Biomolecule Function: No Reliable Prediction from Cell Culture. Traffic, 2000, 1, 803-804.	1.3	21
144	Characterization of sphingomyelinase activity released by thrombin-stimulated platelets. Molecular and Cellular Biochemistry, 2000, 205, 75-81.	1.4	38

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145	Degradation of Membrane-bound Ganglioside GM1. Journal of Biological Chemistry, 2000, 275, 35814-35819.	1.6	79
146	Overexpression of Acid Ceramidase Protects from Tumor Necrosis Factorâ€“Induced Cell Death. Journal of Experimental Medicine, 2000, 192, 601-612.	4.2	164
147	Purification and Characterization of a Magnesium-dependent Neutral Sphingomyelinase from Bovine Brain. Journal of Biological Chemistry, 2000, 275, 7641-7647.	1.6	71
148	Characterization of Regulatory Elements in the 5'-Flanking Region of the GM2 Activator Gene. Biological Chemistry, 2000, 381, 531-44.	1.2	5
149	Pathology of Glycosphingolipid Metabolism: The Molecular and Cellular Basis of Neurodegenerative Disease. Neuroscientist, 2000, 6, 285-296.	2.6	1
150	Characterization of two Î±-galactosidase mutants (Q279E and R301Q) found in an atypical variant of Fabry disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1501, 227-235.	1.8	36
151	Quantification of mRNAs encoding proteins of the glycosphingolipid catabolism in mouse models of GM2 gangliosidoses and sphingolipid activator protein precursor (prosaposin) deficiency. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1502, 391-397.	1.8	6
152	Physiology and pathophysiology of sphingolipid metabolism and signaling. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1485, 63-99.	1.2	372
153	Cell type specific localization of sphingomyelin biosynthesis. FEBS Letters, 2000, 478, 9-12.	1.3	29
154	Normal Ultrastructure, but Altered Stratum Corneum Lipid and Protein Composition in a Mouse Model for Epidermolytic Hyperkeratosis. Journal of Investigative Dermatology, 1999, 113, 329-334.	0.3	32
155	Intracellular Distribution of a Biotin-labeled Ganglioside, GM1, by Immunoelectron Microscopy After Endocytosis in Fibroblasts. Journal of Histochemistry and Cytochemistry, 1999, 47, 1005-1014.	1.3	67
156	Stimulation of lysosomal sphingomyelin degradation by sphingolipid activator proteins. Chemistry and Physics of Lipids, 1999, 102, 35-43.	1.5	19
157	Recombinant GM2-activator protein stimulates in vivo degradation of GA2 in GM2 gangliosidosis AB variant fibroblasts but exhibits no detectable binding of GA2 in an in vitro assay. Neurochemical Research, 1999, 24, 295-300.	1.6	14
158	Sphingolipidsâ€”Their Metabolic Pathways and the Pathobiochemistry of Neurodegenerative Diseases. Angewandte Chemie - International Edition, 1999, 38, 1532-1568.	7.2	360
159	Accumulation of protein-bound epidermal glucosylceramides in Î²-glucocerebrosidase deficient type 2 Gaucher mice. FEBS Letters, 1999, 447, 167-170.	1.3	86
160	Sphingolipid Activator Proteins Are Required for Epidermal Permeability Barrier Formation. Journal of Biological Chemistry, 1999, 274, 11038-11045.	1.6	138
161	Genomic Organization of the Gene Coding for TIRC7, a Novel Membrane Protein Essential for T Cell Activation. Genomics, 1999, 57, 398-406.	1.3	72
162	The Human Acid Ceramidase Gene (ASAH): Structure, Chromosomal Location, Mutation Analysis, and Expression. Genomics, 1999, 62, 223-231.	1.3	130

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163	A genetic model of substrate deprivation therapy for a glycosphingolipid storage disorder. Journal of Clinical Investigation, 1999, 103, 497-505.	3.9	153
164	The generation and characterization of a rat neural cell line overexpressing the alpha2,6(N) sialyltransferase. Glycoconjugate Journal, 1998, 15, 199-202.	1.4	13
165	Fas/CD95/Apo-I activates the acidic sphingomyelinase via Caspases. Cell Death and Differentiation, 1998, 5, 29-37.	5.0	128
166	Sphingolipid Metabolism: Sphingoid Analogs, Sphingolipid Activator Proteins, and the Pathology of the Cella. Annals of the New York Academy of Sciences, 1998, 845, 139-151.	1.8	39
167	How Does Nature Cleave Sulfuric Acid Esters? A Novel Posttranslational Modification of Sulfatases. Angewandte Chemie - International Edition, 1998, 37, 2453-2455.	7.2	12
168	Complete localization of disulfide bonds in GM2 activator protein. Protein Science, 1998, 7, 1039-1045.	3.1	31
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