Yusuf Awni Hannun

List of Publications by Year
in descending order

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Version: 2024-02-01

433 papers	44,540 citations	1371 108 h-index	2828 191 g-index
440 all docs	440 docs citations	440 times ranked	30319 citing authors

#	Article	IF	Citations
1	1-Deoxysphinganine initiates adaptive responses to serine and glycine starvation in cancer cells via proteolysis of sphingosine kinase. Journal of Lipid Research, 2022, 63, 100154.	4.2	10
2	Neutral ceramidase deficiency protects against cisplatin-induced acute kidney injury. Journal of Lipid Research, 2022, 63, 100179.	4.2	8
3	Identification of Small-Molecule Inhibitors of Neutral Ceramidase (nCDase) via Target-Based High-Throughput Screening. SLAS Discovery, 2021, 26, 113-121.	2.7	9
4	Bioactive sphingolipids: Advancements and contributions from the laboratory of Dr. Lina M. Obeid. Cellular Signalling, 2021, 79, 109875.	3.6	7
5	Acid sphingomyelinase-dependent autophagic degradation of GPX4 is critical for the execution of ferroptosis. Cell Death and Disease, 2021, 12, 26.	6.3	53
6	Sphingosine kinase 1 downregulation is required for adaptation to serine deprivation. FASEB Journal, 2021, 35, e21284.	0.5	7
7	Asah2 Represses the p53â€“Hmox1 Axis to Protect Myeloid-Derived Suppressor Cells from Ferroptosis. Journal of Immunology, 2021, 206, 1395-1404.	0.8	49
8	Synthesis of erythro- B13 enantiomers and stereospecific action of full set of B13-isomers in MCF7 breast carcinoma cells: Cellular metabolism and effects on sphingolipids. Bioorganic and Medicinal Chemistry, 2021, 32, 116011.	3.0	0
9	The doxorubicinâ€induced cell motility network is under the control of the ceramideâ€activated protein phosphatase 1 alpha. FASEB Journal, 2021, 35, e21396.	0.5	6
10	Golgi maturationâ€dependent glycoenzyme recycling controls glycosphingolipid biosynthesis and cell growth via GOLPH3. EMBO Journal, 2021, 40, e107238.	7.8	45
11	Neutral Sphingomyelinase 2 Heightens Anti-Melanoma Immune Responses and Antiâ€“PD-1 Therapy Efficacy. Cancer Immunology Research, 2021, 9, 568-582.	3.4	30
12	Ceramide kinase regulates TNF-Î±-induced immune responses in human monocytic cells. Scientific Reports, 2021, 11, 8259.	3.3	23
13	Loss of sphingosine kinase 1 increases lung metastases in the MMTV-PyMT mouse model of breast cancer. PLoS ONE, 2021, 16, e0252311.	2.5	1
14	Protein Kinase C as a Therapeutic Target in Non-Small Cell Lung Cancer. International Journal of Molecular Sciences, 2021, 22, 5527.	4.1	13
15	Sublethal doxorubicin promotes migration and invasion of breast cancer cells: role of Src Family non-receptor tyrosine kinases. Breast Cancer Research, 2021, 23, 76.	5.0	15
16	A Milk-Fat Based Diet Increases Metastasis in the MMTV-PyMT Mouse Model of Breast Cancer. Nutrients, 2021, 13, 2431.	4.1	0
17	GRASP55 regulates intraâ€Golgi localization of glycosylation enzymes to control glycosphingolipid biosynthesis. EMBO Journal, 2021, 40, e107766.	7.8	26
18	Group IIA secreted phospholipase A2 is associated with the pathobiology leading to COVID-19 mortality. Journal of Clinical Investigation, 2021, 131, .	8.2	70

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19	Ceramide synthase 2â€€ _{24:1} â€€ceramide axis limits the metastatic potential of ovarian cancer cells. FASEB Journal, 2021, 35, e21287.	0.5	11
20	Targeting sphingosine kinase 1 (SK1) enhances oncogene-induced senescence through ceramide synthase 2 (CerS2)-mediated generation of very-long-chain ceramides. Cell Death and Disease, 2021, 12, 27.	6.3	7
21	Sphingosine-1-Phosphate Receptor 3 Potentiates Inflammatory Programs in Normal and Leukemia Stem Cells to Promote Differentiation. Blood Cancer Discovery, 2021, 2, 32-53.	5.0	35
22	Build a registry of results that students can replicate. Nature, 2021, 600, 571-571.	27.8	8
23	Neutral sphingomyelinase 2 regulates inflammatory responses in monocytes/macrophages induced by TNF-Î±. Scientific Reports, 2020, 10, 16802.	3.3	40
24	Maternal and fetal alkaline ceramidase 2 is required for placental vascular integrity in mice. FASEB Journal, 2020, 34, 15252-15268.	0.5	7
25	Inhibition of acid ceramidase regulates MHC class II antigen presentation and suppression of autoimmune arthritis. Cytokine, 2020, 135, 155219.	3.2	4
26	Targeting acid ceramidase inhibits YAP/TAZ signaling to reduce fibrosis in mice. Science Translational Medicine, 2020, 12, .	12.4	71
27	Transcriptional Regulation of Sphingosine Kinase 1. Cells, 2020, 9, 2437.	4.1	13
28	Yeast Sphingolipid Phospholipase Gene ISC1 Regulates the Spindle Checkpoint by a CDC55 -Dependent Mechanism. Molecular and Cellular Biology, 2020, 40, .	2.3	6
29	Ceramide launches an acute antiâ€adhesion proâ€migration cell signaling program in response to chemotherapy. FASEB Journal, 2020, 34, 7610-7630.	0.5	27
30	PKCÎ± is required for Akt-mTORC1 activation in non-small cell lung carcinoma (NSCLC) with EGFR mutation. Oncogene, 2019, 38, 7311-7328.	5.9	13
31	Probing compartment-specific sphingolipids with targeted bacterial sphingomyelinases and ceramidases. Journal of Lipid Research, 2019, 60, 1841-1850.	4.2	17
32	Emergence of membrane sphingolipids as a potential therapeutic target. Biochimie, 2019, 158, 257-264.	2.6	15
33	RPGRIP1L is required for stabilizing epidermal keratinocyte adhesion through regulating desmoglein endocytosis. PLoS Genetics, 2019, 15, e1007914.	3.5	8
34	Bioactive sphingolipid profile in a xenograft mouse model of head and neck squamous cell carcinoma. PLoS ONE, 2019, 14, e0215770.	2.5	1
35	The juxtamembrane linker in neutral sphingomyelinase-2 functions as an intramolecular allosteric switch that activates the enzyme. Journal of Biological Chemistry, 2019, 294, 7488-7502.	3.4	15
36	Approaches for probing and evaluating mammalian sphingolipid metabolism. Analytical Biochemistry, 2019, 575, 70-86.	2.4	13

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37	Quantifying 1-deoxydihydroceramides and 1-deoxyceramides in mouse nervous system tissue. Prostaglandins and Other Lipid Mediators, 2019, 141, 40-48.	1.9	12
38	Multiple actions of doxorubicin on the sphingolipid network revealed by flux analysis. Journal of Lipid Research, 2019, 60, 819-831.	4.2	20
39	Neutral ceramidase: Advances in mechanisms, cell regulation, and roles in cancer. Advances in Biological Regulation, 2019, 71, 141-146.	2.3	22
40	PKCÎ± Mediates mTORC1 Activation in Nonâ€Small Cell Lung Carcinoma Cells with EGFR Deletion Mutation. FASEB Journal, 2019, 33, lb255.	0.5	0
41	AKT as a key target for growth promoting functions of neutral ceramidase in colon cancer cells. Oncogene, 2018, 37, 3852-3863.	5.9	27
42	Probing de novo sphingolipid metabolism in mammalian cells utilizing mass spectrometry. Journal of Lipid Research, 2018, 59, 1046-1057.	4.2	17
43	The Synergy between Palmitate and TNF-Î± for CCL2 Production Is Dependent on the TRIF/IRF3 Pathway: Implications for Metabolic Inflammation. Journal of Immunology, 2018, 200, 3599-3611.	0.8	64
44	An intrinsic lipid-binding interface controls sphingosine kinase 1 function. Journal of Lipid Research, 2018, 59, 462-474.	4.2	28
45	A role for caspaseâ€2 in sphingosine kinase 1 proteolysis in response to doxorubicin in breast cancer cells â€“ implications for the <scp>CHK</scp>1â€suppressed pathway. FEBS Open Bio, 2018, 8, 27-40.	2.3	18
46	Loss of acid ceramidase in myeloid cells suppresses intestinal neutrophil recruitment. FASEB Journal, 2018, 32, 2339-2353.	0.5	22
47	Quantification of 3-ketodihydrosphingosine using HPLC-ESI-MS/MS to study SPT activity in yeast Saccharomyces cerevisiae. Journal of Lipid Research, 2018, 59, 162-170.	4.2	14
48	Differentiate and switch, a tale of two heads of a lipid. EMBO Journal, 2018, 37, .	7.8	1
49	Sphingosine 1-phosphate activation of ERM contributes to vascular calcification. Journal of Lipid Research, 2018, 59, 69-78.	4.2	13
50	Decreased ceramide underlies mitochondrial dysfunction in Charcotâ€Marieâ€Tooth 2F. FASEB Journal, 2018, 32, 1716-1728.	0.5	26
51	Dose dependent actions of LCL521 on acid ceramidase and key sphingolipid metabolites. Bioorganic and Medicinal Chemistry, 2018, 26, 6067-6075.	3.0	9
52	Exploring the Therapeutic Landscape of Sphingomyelinases. Handbook of Experimental Pharmacology, 2018, 259, 19-47.	1.8	17
53	Visualizing bioactive ceramides. Chemistry and Physics of Lipids, 2018, 216, 142-151.	3.2	54
54	Tsc3 regulates SPT amino acid choice in Saccharomyces cerevisiae by promoting alanine in the sphingolipid pathway. Journal of Lipid Research, 2018, 59, 2126-2139.	4.2	11

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55	Evaluating intrinsic and non-intrinsic cancer risk factors. Nature Communications, 2018, 9, 3490.	12.8	218
56	Functions of neutral ceramidase in the Golgi apparatus. Journal of Lipid Research, 2018, 59, 2116-2125.	4.2	18
57	Sphingolipids and their metabolism in physiology and disease. Nature Reviews Molecular Cell Biology, 2018, 19, 175-191.	37.0	1,197
58	Identification of an acid sphingomyelinase ceramide kinase pathway in the regulation of the chemokine CCL5 [S]. Journal of Lipid Research, 2018, 59, 1219-1229.	4.2	20
59	Alkaline ceramidase 2 is essential for the homeostasis of plasma sphingoid bases and their phosphates. FASEB Journal, 2018, 32, 3058-3069.	0.5	31
60	Role of sphingolipids in senescence: implication in aging and age-related diseases. Journal of Clinical Investigation, 2018, 128, 2702-2712.	8.2	125
61	Sphingosine-1-Phosphate Receptor 3 (S1PR3) Promotes Myeloid Commitment of Human Hematopoietic and Leukemic Stem Cells. Blood, 2018, 132, 1329-1329.	1.4	0
62	Ceramide Is Metabolized to Acylceramide and Stored in Lipid Droplets. Cell Metabolism, 2017, 25, 686-697.	16.2	163
63	Bladder cancer cell growth and motility implicate cannabinoid 2 receptor-mediated modifications of sphingolipids metabolism. Scientific Reports, 2017, 7, 42157.	3.3	28
64	Inhibiting glucosylceramide synthase exacerbates cisplatin-induced acute kidney injury. Journal of Lipid Research, 2017, 58, 1439-1452.	4.2	35
65	Novel sphingosine kinase-1 inhibitor, LCL351, reduces immune responses in murine DSS-induced colitis. Prostaglandins and Other Lipid Mediators, 2017, 130, 47-56.	1.9	30
66	Tricyclic Antidepressants Promote Ceramide Accumulation to Regulate Collagen Production in Human Hepatic Stellate Cells. Scientific Reports, 2017, 7, 44867.	3.3	22
67	Contributions of the Intrinsic Mutation Process to Cancer Mutation and Risk Burdens. EBioMedicine, 2017, 24, 5-6.	6.1	10
68	Alkaline Ceramidase 1 Protects Mice from Premature Hair Loss by Maintaining the Homeostasis of Hair Follicle Stem Cells. Stem Cell Reports, 2017, 9, 1488-1500.	4.8	18
69	Sphingosine Kinase 1 expression in peritoneal macrophages is required for colon carcinogenesis. Carcinogenesis, 2017, 38, 1218-1227.	2.8	24
70	Wu et al. reply. Nature, 2017, 548, E15-E15.	27.8	26
71	Structure of human nSMase2 reveals an interdomain allosteric activation mechanism for ceramide generation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5549-E5558.	7.1	82
72	Ceramidases, roles in sphingolipid metabolism and in health and disease. Advances in Biological Regulation, 2017, 63, 122-131.	2.3	179

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73	Anticancer actions of lysosomally targeted inhibitor, LCL521, of acid ceramidase. PLoS ONE, 2017, 12, e0177805.	2.5	24
74	Co-ordinated activation of classical and novel PKC isoforms is required for PMA-induced mTORC1 activation. PLoS ONE, 2017, 12, e0184818.	2.5	15
75	Alkaline ceramidase 2 and its bioactive product sphingosine are novel regulators of the DNA damage response. Oncotarget, 2016, 7, 18440-18457.	1.8	39
76	Aging-related elevation of sphingoid bases shortens yeast chronological life span by compromising mitochondrial function. Oncotarget, 2016, 7, 21124-21144.	1.8	19
77	Analysis of the Involvement of Different Ceramide Variants in the Response to Hydroxyurea Stress in Baker's Yeast. PLoS ONE, 2016, 11, e0146839.	2.5	5
78	Molecular Characterization of Rice OsLCB2a1 Gene and Functional Analysis of its Role in Insect Resistance. Frontiers in Plant Science, 2016, 7, 1789.	3.6	13
79	Murine Model for Colitis-Associated Cancer of the Colon. Methods in Molecular Biology, 2016, 1438, 245-254.	0.9	79
80	ATRA transcriptionally induces nSMase2 through CBP/p300-mediated histone acetylation. Journal of Lipid Research, 2016, 57, 868-881.	4.2	16
81	Role of neutral ceramidase in colon cancer. FASEB Journal, 2016, 30, 4159-4171.	0.5	56
82	Signal-Oriented Pathway Analyses Reveal a Signaling Complex as a Synthetic Lethal Target for p53 Mutations. Cancer Research, 2016, 76, 6785-6794.	0.9	3
83	Substantial contribution of extrinsic risk factors to cancer development. Nature, 2016, 529, 43-47.	27.8	508
84	New role for ceramide in the pheromone response. Cell Cycle, 2016, 15, 617-618.	2.6	0
85	Loss of neutral ceramidase protects cells from nutrient- and energy -deprivation-induced cell death. Biochemical Journal, 2016, 473, 743-755.	3.7	31
86	The importance of extrinsic factors in the development of cancers. Molecular and Cellular Oncology, 2016, 3, e1143079.	0.7	6
87	CHK1 regulates NF-Î²B signaling upon DNA damage in p53- deficient cells and associated tumor-derived microvesicles. Oncotarget, 2016, 7, 18159-18170.	1.8	10
88	A new twist to the emerging functions of ceramides in cancer: novel role for platelet acid sphingomyelinase in cancer metastasis. EMBO Molecular Medicine, 2015, 7, 692-694.	6.9	10
89	A personal journey with bioactive lipids. European Journal of Lipid Science and Technology, 2015, 117, 1814-1831.	1.5	2
90	Dynamics of the Heat Stress Response of Ceramides with Different Fatty-Acyl Chain Lengths in Bakerâ€™s Yeast. PLoS Computational Biology, 2015, 11, e1004373.	3.2	11

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91	Lack of Acid Sphingomyelinase Induces Age-Related Retinal Degeneration. PLoS ONE, 2015, 10, e0133032.	2.5	13
92	Activation of p38 Mitogen-Activated Protein Kinase in Gaucherâ€™s Disease. PLoS ONE, 2015, 10, e0136633.	2.5	16
93	Critical determinants of mitochondria-associated neutral sphingomyelinase (MA-nSMase) for mitochondrial localization. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 628-639.	2.4	24
94	Roles and regulation of neutral sphingomyelinase-2 in cellular and pathological processes. Advances in Biological Regulation, 2015, 57, 24-41.	2.3	170
95	Intracellular sphingosine kinase 2â€derived sphingosineâ€1â€phosphate mediates epidermal growth factorâ€induced ezrinâ€radixinâ€moesin phosphorylation and cancer cell invasion. FASEB Journal, 2015, 29, 4654-4669.	0.5	59
96	Structural Basis for Ceramide Recognition and Hydrolysis by Human Neutral Ceramidase. Structure, 2015, 23, 1482-1491.	3.3	49
97	GPR40/FFA1 and neutral sphingomyelinase are involved in palmitate-boosted inflammatory response of microvascular endothelial cells to LPS. Atherosclerosis, 2015, 240, 163-173.	0.8	23
98	A novel role of sphingosine kinaseâ€1 in the invasion and angiogenesis of VHL mutant clear cell renal cell carcinoma. FASEB Journal, 2015, 29, 2803-2813.	0.5	45
99	Activity of neutral and alkaline ceramidases on fluorogenic N-acylated coumarin-containing aminodiols. Journal of Lipid Research, 2015, 56, 2019-2028.	4.2	13
100	Tumor Necrosis Factor-Î± (TNFÎ±)-induced Ceramide Generation via Ceramide Synthases Regulates Loss of Focal Adhesion Kinase (FAK) and Programmed Cell Death. Journal of Biological Chemistry, 2015, 290, 25356-25373.	3.4	55
101	Elevation of 20-carbon long chain bases due to a mutation in serine palmitoyltransferase small subunit b results in neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12962-12967.	7.1	61
102	Endoplasmic reticulum heat shock protein gp96 maintains liver homeostasis and promotes hepatocellular carcinogenesis. Journal of Hepatology, 2015, 62, 879-888.	3.7	63
103	Alkaline Ceramidase 3 Deficiency Results in Purkinje Cell Degeneration and Cerebellar Ataxia Due to Dyshomeostasis of Sphingolipids in the Brain. PLoS Genetics, 2015, 11, e1005591.	3.5	46
104	IQ Motif-Containing GTPase-Activating Protein 2 (IQGAP2) Is a Novel Regulator of Colonic Inflammation in Mice. PLoS ONE, 2015, 10, e0129314.	2.5	23
105	Interaction of Ceramide Synthase with Long Chain Fatty Acylâ€CoA Synthase 5 Channels de novo Ceramide to Acylceramide Generation by Diacylglycerol Acyltransferase 2 on Lipid Droplets. FASEB Journal, 2015, 29, 568.21.	0.5	0
106	Finding pathway-modulating genes from a novel Ontology Fingerprint-derived gene network. Nucleic Acids Research, 2014, 42, e138-e138.	14.5	14
107	Sphingolipid signalling mediates mitochondrial dysfunctions and reduced chronological lifespan in the yeast model of <scp>N</scp>iemannâ€<scp>P</scp>ick type <scp>C</scp>1. Molecular Microbiology, 2014, 91, 438-451.	2.5	26
108	Targeting (cellular) lysosomal acid ceramidase by B13: Design, synthesis and evaluation of novel DMG-B13 ester prodrugs. Bioorganic and Medicinal Chemistry, 2014, 22, 6933-6944.	3.0	32

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109	Sphingolipid regulation of ezrin, radixin, and moesin proteins family: Implications for cell dynamics. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 727-737.	2.4	49
110	The plant decapeptide OSIP108 prevents copper-induced apoptosis in yeast and human cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1207-1215.	4.1	22
111	Essential Roles of Neutral Ceramidase and Sphingosine in Mitochondrial Dysfunction Due to Traumatic Brain Injury. Journal of Biological Chemistry, 2014, 289, 13142-13154.	3.4	37
112	The yeast sphingolipid signaling landscape. Chemistry and Physics of Lipids, 2014, 177, 26-40.	3.2	52
113	Evolving concepts in cancer therapy through targeting sphingolipid metabolism. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1174-1188.	2.4	100
114	Sphingolipids in colon cancer. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 773-782.	2.4	86
115	On-Tissue Localization of Ceramides and Other Sphingolipids by MALDI Mass Spectrometry Imaging. Analytical Chemistry, 2014, 86, 8303-8311.	6.5	62
116	Sphingolipids and mitochondrial function in budding yeast. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 3131-3137.	2.4	17
117	Sustained PKCÎ²II activity confers oncogenic properties in a phospholipase Dâ€•and mTORâ€dependent manner. FASEB Journal, 2014, 28, 495-505.	0.5	10
118	Ceramide and sphingosine-1-phosphate act as photodynamic therapy-elicited damage-associated molecular patterns: Cell surface exposure. International Immunopharmacology, 2014, 20, 359-365.	3.8	27
119	Defining a Role for Acid Sphingomyelinase in the p38/Interleukin-6 Pathway. Journal of Biological Chemistry, 2014, 289, 22401-22412.	3.4	22
120	Identification and Biochemical Characterization of an Acid Sphingomyelinase-Like Protein from the Bacterial Plant Pathogen Ralstonia solanacearum that Hydrolyzes ATP to AMP but Not Sphingomyelin to Ceramide. PLoS ONE, 2014, 9, e105830.	2.5	6
121	Go-6976 Reverses Hyperglycemia-Induced Insulin Resistance Independently of cPKC Inhibition in Adipocytes. PLoS ONE, 2014, 9, e108963.	2.5	3
122	Distinct Roles for Hematopoietic and Extra-Hematopoietic Sphingosine Kinase-1 in Inflammatory Bowel Disease. PLoS ONE, 2014, 9, e113998.	2.5	22
123	Novel Chemotherapeutic Drugs in Sphingolipid Cancer Research. Handbook of Experimental Pharmacology, 2013, , 211-238.	1.8	35
124	Sphingosine Kinase 1 Regulates Tumor Necrosis Factor-mediated RANTES Induction through p38 Mitogen-activated Protein Kinase but Independently of Nuclear Factor ÎºB Activation*. Journal of Biological Chemistry, 2013, 288, 27667-27679.	3.4	33
125	Acid sphingomyelinase plays a key role in palmitic acid-amplified inflammatory signaling triggered by lipopolysaccharide at low concentrations in macrophages. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E853-E867.	3.5	75
126	Sphingosine 1-phosphate induces filopodia formation through S1PR2 activation of ERM proteins. Biochemical Journal, 2013, 449, 661-672.	3.7	56

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127	Adiponectin Regulates Bone Mass via Opposite Central and Peripheral Mechanisms through FoxO1. Cell Metabolism, 2013, 17, 901-915.	16.2	198
128	Sphingolipid Metabolism and Neutral Sphingomyelinases. Handbook of Experimental Pharmacology, 2013, , 57-76.	1.8	138
129	Coordination of Rapid Sphingolipid Responses to Heat Stress in Yeast. PLoS Computational Biology, 2013, 9, e1003078.	3.2	22
130	Distinct Signaling Roles of Ceramide Species in Yeast Revealed Through Systematic Perturbation and Systems Biology Analyses. Science Signaling, 2013, 6, rs14.	3.6	33
131	Evaluation of the role of secretory sphingomyelinase and bioactive sphingolipids as biomarkers in hemophagocytic lymphohistiocytosis. American Journal of Hematology, 2013, 88, E265-72.	4.1	19
132	Sphingosine-1-phosphate receptor 2. FEBS Journal, 2013, 280, 6354-6366.	4.7	99
133	Epidermal growth factorâ€induced cellular invasion requires sphingosineâ€1â€phosphate/sphingosineâ€1â€phosphate 2 receptorâ€mediated ezrin activation. FASEB Journal, 2013, 27, 3155-3166.	0.5	31
134	Effect of sphingosine kinase 1 inhibition on blood pressure. FASEB Journal, 2013, 27, 656-664.	0.5	17
135	Identification of C18:1-Phytoceramide as the Candidate Lipid Mediator for Hydroxyurea Resistance in Yeast. Journal of Biological Chemistry, 2013, 288, 17272-17284.	3.4	30
136	Sustained Activation of Protein Kinase C Induces Delayed Phosphorylation and Regulates the Fate of Epidermal Growth Factor Receptor. PLoS ONE, 2013, 8, e80721.	2.5	12
137	Off-Target Function of the Sonic Hedgehog Inhibitor Cyclopamine in Mediating Apoptosis via Nitric Oxideâ€"Dependent Neutral Sphingomyelinase 2/Ceramide Induction. Molecular Cancer Therapeutics, 2012, 11, 1092-1102.	4.1	38
138	Sphingoid Bases and the Serine Catabolic Enzyme CHA1 Define a Novel Feedforward/Feedback Mechanism in the Response to Serine Availability. Journal of Biological Chemistry, 2012, 287, 9280-9289.	3.4	21
139	Identification and characterization of protein phosphatase 2C activation by ceramide. Journal of Lipid Research, 2012, 53, 1513-1521.	4.2	22
140	Protein Phosphatase 1Î± Mediates Ceramide-induced ERM Protein Dephosphorylation. Journal of Biological Chemistry, 2012, 287, 10145-10155.	3.4	57
141	Oncogenic K-Ras Regulates Bioactive Sphingolipids in a Sphingosine Kinase 1-dependent Manner. Journal of Biological Chemistry, 2012, 287, 31794-31803.	3.4	34
142	Ceramide synthases at the centre of sphingolipid metabolism and biology. Biochemical Journal, 2012, 441, 789-802.	3.7	424
143	Lipidomic profiling in Crohn's disease: Abnormalities in phosphatidylinositols, with preservation of ceramide, phosphatidylcholine and phosphatidylserine composition. International Journal of Biochemistry and Cell Biology, 2012, 44, 1839-1846.	2.8	40
144	Safety Study of Adeno-Associated Virus Serotype 2-Mediated Human Acid Sphingomyelinase Expression in the Nonhuman Primate Brain. Human Gene Therapy, 2012, 23, 891-902.	2.7	21

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145	Dihydroceramide accumulation and reactive oxygen species are distinct and nonessential events in 4-HPR-mediated leukemia cell death. Biochemistry and Cell Biology, 2012, 90, 209-223.	2.0	32
146	Loss of neutral ceramidase increases inflammation in a mouse model of inflammatory bowel disease. Prostaglandins and Other Lipid Mediators, 2012, 99, 124-130.	1.9	51
147	Acid ceramidaseâ€mediated production of sphingosine 1â€phosphate promotes prostate cancer invasion through upregulation of cathepsin B. International Journal of Cancer, 2012, 131, 2034-2043.	5.1	51
148	The Roles of Neutral Sphingomyelinases in Neurological Pathologies. Neurochemical Research, 2012, 37, 1137-1149.	3.3	46
149	The plant defensin RsAFP2 induces cell wall stress, septin mislocalization and accumulation of ceramides in Candida albicans. Molecular Microbiology, 2012, 84, 166-180.	2.5	123
150	Differential regulation of acid sphingomyelinase in macrophages stimulated with oxidized lowâ€density lipoprotein (LDL) and oxidized LDL immune complexes: role in phagocytosis and cytokine release. Immunology, 2012, 136, 30-45.	4.4	39
151	Modulation of Mitochondrial Outer Membrane Permeabilization and Apoptosis by Ceramide Metabolism. PLoS ONE, 2012, 7, e48571.	2.5	47
152	The neutral sphingomyelinase family: Identifying biochemical connections. Advances in Enzyme Regulation, 2011, 51, 51-58.	2.6	59
153	Accumulation of Long-Chain Glycosphingolipids during Aging Is Prevented by Caloric Restriction. PLoS ONE, 2011, 6, e20411.	2.5	37
154	Role for Sit4pâ€dependent mitochondrial dysfunction in mediating the shortened chronological lifespan and oxidative stress sensitivity of Isc1pâ€deficient cells. Molecular Microbiology, 2011, 81, 515-527.	2.5	45
155	Drug targeting of sphingolipid metabolism: sphingomyelinases and ceramidases. British Journal of Pharmacology, 2011, 163, 694-712.	5.4	150
156	Many Ceramides. Journal of Biological Chemistry, 2011, 286, 27855-27862.	3.4	481
157	Evaluation of bioactive sphingolipids in 4-HPR-resistant leukemia cells. BMC Cancer, 2011, 11, 477.	2.6	10
158	A Novel Mechanism of Lysosomal Acid Sphingomyelinase Maturation. Journal of Biological Chemistry, 2011, 286, 3777-3788.	3.4	51
159	Selective knockdown of ceramide synthases reveals complex interregulation of sphingolipid metabolism. Journal of Lipid Research, 2011, 52, 68-77.	4.2	104
160	A cell-autonomous requirement for neutral sphingomyelinase 2 in bone mineralization. Journal of Cell Biology, 2011, 194, 277-289.	5.2	70
161	Mitochondrially targeted ceramides preferentially promote autophagy, retard cell growth, and induce apoptosis. Journal of Lipid Research, 2011, 52, 278-288.	4.2	43
162	Cellular Morphogenesis Under Stress Is Influenced by the Sphingolipid Pathway Gene ISC1 and DNA Integrity Checkpoint Genes in Saccharomyces cerevisiae. Genetics, 2011, 189, 533-547.	2.9	20

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163	A Role of Sphingosine Kinase 1 in Head and Neck Carcinogenesis. Cancer Prevention Research, 2011, 4, 454-462.	1.5	68
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