Yusuf Awni Hannun

List of Publications by Year
in descending order

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433 papers	44,540 citations	1368 108 h-index	2812 191 g-index
440 all docs	440 docs citations	440 times ranked	30319 citing authors

#	Article	IF	Citations
1	Principles of bioactive lipid signalling: lessons from sphingolipids. Nature Reviews Molecular Cell Biology, 2008, 9, 139-150.	16.1	2,820
2	Sphingolipids and their metabolism in physiology and disease. Nature Reviews Molecular Cell Biology, 2018, 19, 175-191.	16.1	1,197
3	Biologically active sphingolipids in cancer pathogenesis and treatment. Nature Reviews Cancer, 2004, 4, 604-616.	12.8	1,133
4	The Ceramide-centric Universe of Lipid-mediated Cell Regulation: Stress Encounters of the Lipid Kind. Journal of Biological Chemistry, 2002, 277, 25847-25850.	1.6	803
5	An Overview of Sphingolipid Metabolism: From Synthesis to Breakdown. Advances in Experimental Medicine and Biology, 2010, 688, 1-23.	0.8	786
6	Ceramide in the eukaryotic stress response. Trends in Cell Biology, 2000, 10, 73-80.	3.6	704
7	The complex life of simple sphingolipids. EMBO Reports, 2004, 5, 777-782.	2.0	591
8	Bioactive sphingolipids: metabolism and function. Journal of Lipid Research, 2009, 50, S91-S96.	2.0	558
9	Role of phospholipases in generating lipid second messengers in signal transduction ¹. FASEB Journal, 1991, 5, 2068-2077.	0.2	554
10	Apoptosis and the Dilemma of Cancer Chemotherapy. Blood, 1997, 89, 1845-1853.	0.6	545
11	Substantial contribution of extrinsic risk factors to cancer development. Nature, 2016, 529, 43-47.	13.7	508
12	The sphingolipid salvage pathway in ceramide metabolism and signaling. Cellular Signalling, 2008, 20, 1010-1018.	1.7	506
13	Many Ceramides. Journal of Biological Chemistry, 2011, 286, 27855-27862.	1.6	481
14	EpCAM Is Overexpressed in Breast Cancer and Is a Potential Target for Breast Cancer Gene Therapy. Cancer Research, 2004, 64, 5818-5824.	0.4	480
15	Enzymes of Sphingolipid Metabolism:â€‰ From Modular to Integrative Signaling. Biochemistry, 2001, 40, 4893-4903.	1.2	477
16	Simultaneous quantitative analysis of bioactive sphingolipids by high-performance liquid chromatography-tandem mass spectrometry. Methods, 2006, 39, 82-91.	1.9	471
17	Zinc Is a Potent Inhibitor of the Apoptotic Protease, Caspase-3. Journal of Biological Chemistry, 1997, 272, 18530-18533.	1.6	434
18	Ceramide synthases at the centre of sphingolipid metabolism and biology. Biochemical Journal, 2012, 441, 789-802.	1.7	424

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19	Role for Ceramide in Cell Cycle Arrest. Journal of Biological Chemistry, 1995, 270, 2047-2052.	1.6	415
20	Glycosphingolipid synthesis requires FAPP2 transfer of glucosylceramide. Nature, 2007, 449, 62-67.	13.7	359
21	Ceramide Activates the Stress-activated Protein Kinases. Journal of Biological Chemistry, 1995, 270, 22689-22692.	1.6	349
22	Glutathione Regulation of Neutral Sphingomyelinase in Tumor Necrosis Factor-Î±-induced Cell Death. Journal of Biological Chemistry, 1998, 273, 11313-11320.	1.6	317
23	Ceramide 1-Phosphate Is a Direct Activator of Cytosolic Phospholipase A2. Journal of Biological Chemistry, 2004, 279, 11320-11326.	1.6	317
24	The sphingosine kinase 1/sphingosineâ€1â€phosphate pathway mediates COXâ€2 induction and PGE 2 production in response to TNFâ€Î±. FASEB Journal, 2003, 17, 1411-1421.	0.2	313
25	Acid and neutral sphingomyelinases: roles and mechanisms of regulation. Biochemistry and Cell Biology, 2004, 82, 27-44.	0.9	302
26	De Novo Ceramide Regulates the Alternative Splicing of Caspase 9 and Bcl-x in A549 Lung Adenocarcinoma Cells. Journal of Biological Chemistry, 2002, 277, 12587-12595.	1.6	299
27	Involvement of Yeast Sphingolipids in the Heat Stress Response of Saccharomyces cerevisiae. Journal of Biological Chemistry, 1997, 272, 32566-32572.	1.6	281
28	Inhibition of the Neutral Magnesium-dependent Sphingomyelinase by Glutathione. Journal of Biological Chemistry, 1997, 272, 16281-16287.	1.6	280
29	Inhibition of Tumor Necrosis Factor-induced Cell Death in MCF7 by a Novel Inhibitor of Neutral Sphingomyelinase. Journal of Biological Chemistry, 2002, 277, 41128-41139.	1.6	277
30	PKC-dependent Activation of Sphingosine Kinase 1 and Translocation to the Plasma Membrane. Journal of Biological Chemistry, 2002, 277, 35257-35262.	1.6	274
31	Blood sphingolipidomics in healthy humans: impact of sample collection methodology. Journal of Lipid Research, 2010, 51, 3074-3087.	2.0	272
32	Long Chain Ceramides Activate Protein Phosphatase-1 and Protein Phosphatase-2A. Journal of Biological Chemistry, 1999, 274, 20313-20317.	1.6	271
33	Sphingomyelin Synthase, a Potential Regulator of Intracellular Levels of Ceramide and Diacylglycerol during SV40 Transformation. Journal of Biological Chemistry, 1998, 273, 14550-14559.	1.6	266
34	Altered Adipose and Plasma Sphingolipid Metabolism in Obesity. Diabetes, 2006, 55, 2579-2587.	0.3	254
35	Sphingolipid breakdown products: anti-proliferative and tumor-suppressor lipids. BBA - Biomembranes, 1993, 1154, 223-236.	7.9	253
36	Serine Palmitoyltransferase Regulates de NovoCeramide Generation during Etoposide-induced Apoptosis. Journal of Biological Chemistry, 2000, 275, 9078-9084.	1.6	252

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37	Selective hydrolysis of a mitochondrial pool of sphingomyelin induces apoptosis. FASEB Journal, 2001, 15, 2669-2679.	0.2	248
38	Roles and regulation of secretory and lysosomal acid sphingomyelinase. Cellular Signalling, 2009, 21, 836-846.	1.7	243
39	Role for sphingosine kinase 1 in colon carcinogenesis. FASEB Journal, 2009, 23, 405-414.	0.2	241
40	Ceramide Inactivates Cellular Protein Kinase CÎ±. Journal of Biological Chemistry, 1996, 271, 13169-13174.	1.6	239
41	Regulation of protein kinase C and role in cancer biology. Cancer and Metastasis Reviews, 1994, 13, 411-431.	2.7	234
42	Ceramide: A stress signal and mediator of growth suppression and apoptosis. Journal of Cellular Biochemistry, 1995, 58, 191-198.	1.2	229
43	Ceramide and apoptosis. Trends in Biochemical Sciences, 1999, 24, 224-225.	3.7	228
44	Molecular Cloning and Characterization of a Human Mitochondrial Ceramidase. Journal of Biological Chemistry, 2000, 275, 21508-21513.	1.6	226
45	Antiapoptotic roles of ceramideâ€synthaseâ€6â€generated C₁₆â€ceramideviaselective regulation of the ATF6/ CHOP arm of ERâ€stressâ€response pathways. FASEB Journal, 2010, 24, 296-308.	0.2	226
46	Neurotrophins Induce Sphingomyelin Hydrolysis. Journal of Biological Chemistry, 1995, 270, 22135-22142.	1.6	224
47	Arachidonic acid and free fatty acids as second messengers and the role of protein kinase C. Cellular Signalling, 1995, 7, 171-184.	1.7	221
48	Evaluating intrinsic and non-intrinsic cancer risk factors. Nature Communications, 2018, 9, 3490.	5.8	218
49	The BST1 Gene of Saccharomyces cerevisiaeIs the Sphingosine-1-phosphate Lyase. Journal of Biological Chemistry, 1997, 272, 26087-26090.	1.6	216
50	Cytokine Response Modifier A (CrmA) Inhibits Ceramide Formation in Response to Tumor Necrosis Factor (TNF)-Î±: CrmA and Bcl-2 Target Distinct Components in the Apoptotic Pathway. Journal of Experimental Medicine, 1997, 185, 481-490.	4.2	212
51	prICE: a downstream target for ceramide-induced apoptosis and for the inhibitory action of Bcl-2. Biochemical Journal, 1996, 316, 25-28.	1.7	206
52	Roles for C16-ceramide and Sphingosine 1-Phosphate in Regulating Hepatocyte Apoptosis in Response to Tumor Necrosis Factor-Î±. Journal of Biological Chemistry, 2005, 280, 27879-27887.	1.6	205
53	Sphingosine kinase 1 is upâ€regulated in colon carcinogenesis. FASEB Journal, 2006, 20, 386-388.	0.2	204
54	Sphingosine Kinase: Biochemical and Cellular Regulation and Role in Disease. BMB Reports, 2006, 39, 113-131.	1.1	203

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55	Ceramide Kinase Mediates Cytokine- and Calcium Ionophore-induced Arachidonic Acid Release. Journal of Biological Chemistry, 2003, 278, 38206-38213.	1.6	202
56	Adiponectin Regulates Bone Mass via Opposite Central and Peripheral Mechanisms through FoxO1. Cell Metabolism, 2013, 17, 901-915.	7.2	198
57	Defects in Cell Growth Regulation by C18:0-Ceramide and Longevity Assurance Gene 1 in Human Head and Neck Squamous Cell Carcinomas. Journal of Biological Chemistry, 2004, 279, 44311-44319.	1.6	196
58	Biochemical Mechanisms of the Generation of Endogenous Long Chain Ceramide in Response to Exogenous Short Chain Ceramide in the A549 Human Lung Adenocarcinoma Cell Line. Journal of Biological Chemistry, 2002, 277, 12960-12969.	1.6	193
59	Plant sphingolipids: decoding the enigma of the Sphinx. New Phytologist, 2010, 185, 611-630.	3.5	192
60	Involvement of sphingoid bases in mediating reactive oxygen intermediate production and programmed cell death in Arabidopsis. Cell Research, 2007, 17, 1030-1040.	5.7	190
61	Direct interaction between the inhibitor 2 and ceramideviasphingolipidâ€protein binding is involved in the regulation of protein phosphatase 2A activity and signaling. FASEB Journal, 2009, 23, 751-763.	0.2	189
62	(1S,2R)-D-erythro-2-(N-Myristoylamino)-1-phenyl-1-propanol as an Inhibitor of Ceramidase. Journal of Biological Chemistry, 1996, 271, 12646-12654.	1.6	184
63	Ceramidases, roles in sphingolipid metabolism and in health and disease. Advances in Biological Regulation, 2017, 63, 122-131.	1.4	179
64	A role for sphingosine kinase 1 in dextran sulfate sodiumâ€induced colitis. FASEB Journal, 2009, 23, 143-152.	0.2	173
65	Sphingomyelin metabolism at the plasma membrane: Implications for bioactive sphingolipids. FEBS Letters, 2010, 584, 1887-1894.	1.3	171
66	Roles and regulation of neutral sphingomyelinase-2 in cellular and pathological processes. Advances in Biological Regulation, 2015, 57, 24-41.	1.4	170
67	Biochemical Properties of Mammalian Neutral Sphingomyelinase2 and Its Role in Sphingolipid Metabolism. Journal of Biological Chemistry, 2003, 278, 13775-13783.	1.6	168
68	Phosphorylation Specificities of Protein Kinase C Isozymes for Bovine Cardiac Troponin I and Troponin T and Sites within These Proteins and Regulation of Myofilament Properties. Journal of Biological Chemistry, 1996, 271, 23277-23283.	1.6	163
69	Ceramide Is Metabolized to Acylceramide and Stored in Lipid Droplets. Cell Metabolism, 2017, 25, 686-697.	7.2	163
70	Clinical relevance of ceramide metabolism in the pathogenesis of human head and neck squamous cell carcinoma (HNSCC): Attenuation of C18-ceramide in HNSCC tumors correlates with lymphovascular invasion and nodal metastasis. Cancer Letters, 2007, 256, 101-111.	3.2	157
71	The Extended Family of Neutral Sphingomyelinases. Biochemistry, 2006, 45, 11247-11256.	1.2	156
72	Involvement of Dihydroceramide Desaturase in Cell Cycle Progression in Human Neuroblastoma Cells. Journal of Biological Chemistry, 2007, 282, 16718-16728.	1.6	153

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73	Phospholipase A2 Is Necessary for Tumor Necrosis Factor Î±-induced Ceramide Generation in L929 Cells. Journal of Biological Chemistry, 1997, 272, 17196-17203.	1.6	151
74	Simulation and validation of modelled sphingolipid metabolism in Saccharomyces cerevisiae. Nature, 2005, 433, 425-430.	13.7	151
75	Role of human longevity assurance gene 1 and C18-ceramide in chemotherapy-induced cell death in human head and neck squamous cell carcinomas. Molecular Cancer Therapeutics, 2007, 6, 712-722.	1.9	150
76	Drug targeting of sphingolipid metabolism: sphingomyelinases and ceramidases. British Journal of Pharmacology, 2011, 163, 694-712.	2.7	150
77	Expression of Neutral Sphingomyelinase Identifies a Distinct Pool of Sphingomyelin Involved in Apoptosis. Journal of Biological Chemistry, 1997, 272, 9609-9612.	1.6	149
78	Remodeling of cellular cytoskeleton by the acid sphingomyelinase/ceramide pathway. Journal of Cell Biology, 2008, 181, 335-350.	2.3	149
79	Induction of Apoptosis through B-cell Receptor Cross-linking Occurs via de Novo Generated C16-Ceramide and Involves Mitochondria. Journal of Biological Chemistry, 2001, 276, 13606-13614.	1.6	148
80	Identification and Characterization of Saccharomyces cerevisiae Dihydrosphingosine-1-phosphate Phosphatase. Journal of Biological Chemistry, 1997, 272, 28690-28694.	1.6	147
81	Identification of ISC1 (YER019w) as Inositol Phosphosphingolipid Phospholipase C inSaccharomyces cerevisiae. Journal of Biological Chemistry, 2000, 275, 39793-39798.	1.6	144
82	Roles for inositol-phosphoryl ceramide synthase 1 (IPC1) in pathogenesis of C. neoformans. Genes and Development, 2001, 15, 201-212.	2.7	143
83	Loss of sphingosine kinaseâ€1 activates the intrinsic pathway of programmed cell death: modulation of sphingolipid levels and the induction of apoptosis. FASEB Journal, 2006, 20, 482-484.	0.2	143
84	FAS Activation Induces Dephosphorylation of SR Proteins. Journal of Biological Chemistry, 2001, 276, 44848-44855.	1.6	142
85	Role for Mammalian Neutral Sphingomyelinase 2 in Confluence-induced Growth Arrest of MCF7 Cells. Journal of Biological Chemistry, 2004, 279, 25101-25111.	1.6	139
86	Bioactive sphingolipids in the modulation of the inflammatory response. , 2006, 112, 171-183.		138
87	Sphingolipid Metabolism and Neutral Sphingomyelinases. Handbook of Experimental Pharmacology, 2013, , 57-76.	0.9	138
88	A Deficiency of Ceramide Biosynthesis Causes Cerebellar Purkinje Cell Neurodegeneration and Lipofuscin Accumulation. PLoS Genetics, 2011, 7, e1002063.	1.5	137
89	Identification of App1 as a regulator of phagocytosis and virulence of Cryptococcus neoformans. Journal of Clinical Investigation, 2003, 112, 1080-1094.	3.9	136
90	Neutral Ceramidase Encoded by the Asah2 Gene Is Essential for the Intestinal Degradation of Sphingolipids. Journal of Biological Chemistry, 2006, 281, 7324-7331.	1.6	135

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91	Protection from High Fat Diet-induced Increase in Ceramide in Mice Lacking Plasminogen Activator Inhibitor 1. Journal of Biological Chemistry, 2008, 283, 13538-13548.	1.6	134
92	A mitochondrial pool of sphingomyelin is involved in TNFÎ±-induced Bax translocation to mitochondria. Biochemical Journal, 2005, 386, 445-451.	1.7	133
93	Cystic Fibrosis Transmembrane Regulator Regulates Uptake of Sphingoid Base Phosphates and Lysophosphatidic Acid. Journal of Biological Chemistry, 2001, 276, 35258-35264.	1.6	129
94	The Coordination of Prostaglandin E2 Production by Sphingosine-1-phosphate and Ceramide-1-phosphate. Molecular Pharmacology, 2005, 68, 330-335.	1.0	129
95	Mammalian Neutral Sphingomyelinases: Regulation and Roles in Cell Signaling Responses. NeuroMolecular Medicine, 2010, 12, 320-330.	1.8	129
96	Sphingosine Kinase 1 (SPHK1) Is Induced by Transforming Growth Factor-Î² and Mediates TIMP-1 Up-regulation. Journal of Biological Chemistry, 2004, 279, 53994-54001.	1.6	128
97	Role of sphingolipids in senescence: implication in aging and age-related diseases. Journal of Clinical Investigation, 2018, 128, 2702-2712.	3.9	125
98	The structural requirements for ceramide activation of serine-threonine protein phosphatases. Journal of Lipid Research, 2004, 45, 496-506.	2.0	124
99	Activation of Acid Sphingomyelinase by Protein Kinase CÎ´-mediated Phosphorylation. Journal of Biological Chemistry, 2007, 282, 11549-11561.	1.6	124
100	Translational aspects of sphingolipid metabolism. Trends in Molecular Medicine, 2007, 13, 327-336.	3.5	124
101	Down-regulation of Sphingosine Kinase-1 by DNA Damage. Journal of Biological Chemistry, 2004, 279, 20546-20554.	1.6	123
102	The plant defensin RsAFP2 induces cell wall stress, septin mislocalization and accumulation of ceramides in Candida albicans. Molecular Microbiology, 2012, 84, 166-180.	1.2	123
103	Sphingomyelinases in cell regulation. Seminars in Cell and Developmental Biology, 1997, 8, 311-322.	2.3	120
104	Rapid Shortening of Telomere Length in Response to Ceramide Involves the Inhibition of Telomere Binding Activity of Nuclear Glyceraldehyde-3-phosphate Dehydrogenase. Journal of Biological Chemistry, 2004, 279, 6152-6162.	1.6	117
105	Protein Kinase C Î²II Specifically Binds to and Is Activated by F-actin. Journal of Biological Chemistry, 1996, 271, 15823-15830.	1.6	116
106	Role for de Novo Sphingoid Base Biosynthesis in the Heat-induced Transient Cell Cycle Arrest of Saccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 8574-8581.	1.6	116
107	Platelet-activating Factor Receptor Activation. Journal of Biological Chemistry, 1998, 273, 17660-17664.	1.6	114
108	Purification and Characterization of a Membrane Bound Neutral pH Optimum Magnesium-dependent and Phosphatidylserine-stimulated Sphingomyelinase from Rat Brain. Journal of Biological Chemistry, 1998, 273, 34472-34479.	1.6	113

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109	Neuronopathic Gaucher disease in the mouse: viable combined selective saposin C deficiency and mutant glucocerebrosidase (V394L) mice with glucosylsphingosine and glucosylceramide accumulation and progressive neurological deficits. Human Molecular Genetics, 2010, 19, 1088-1097.	1.4	113
110	Sphingomyelin synthase as a potential target for D609-induced apoptosis in U937 human monocytic leukemia cells. Experimental Cell Research, 2004, 292, 385-392.	1.2	112
111	Necessary Role for the Lag1p Motif in (Dihydro)ceramide Synthase Activity. Journal of Biological Chemistry, 2006, 281, 33931-33938.	1.6	112
112	Acid Ceramidase Upregulation in Prostate Cancer Cells Confers Resistance to Radiation: AC Inhibition, a Potential Radiosensitizer. Molecular Therapy, 2009, 17, 430-438.	3.7	111
113	Bcl-2 overexpression prevents apoptosis induced by ceramidase inhibitors in malignant melanoma and HaCaT keratinocytes. FEBS Letters, 2002, 516, 47-52.	1.3	109
114	Sphingolipids Signal Heat Stress-induced Ubiquitin-dependent Proteolysis. Journal of Biological Chemistry, 2000, 275, 17229-17232.	1.6	108
115	Identification and Characterization of Murine Mitochondria-associated Neutral Sphingomyelinase (MA-nSMase), the Mammalian Sphingomyelin Phosphodiesterase 5. Journal of Biological Chemistry, 2010, 285, 17993-18002.	1.6	107
116	Role of Ceramide in Mediating the Inhibition of Telomerase Activity in A549 Human Lung Adenocarcinoma Cells. Journal of Biological Chemistry, 2001, 276, 24901-24910.	1.6	106
117	BcR-induced Apoptosis Involves Differential Regulation of C16 and C24-Ceramide Formation and Sphingolipid-dependent Activation of the Proteasome. Journal of Biological Chemistry, 2003, 278, 14723-14731.	1.6	106
118	Positively Charged Ceramide Is a Potent Inducer of Mitochondrial Permeabilization. Journal of Biological Chemistry, 2005, 280, 16096-16105.	1.6	104
119	Selective knockdown of ceramide synthases reveals complex interregulation of sphingolipid metabolism. Journal of Lipid Research, 2011, 52, 68-77.	2.0	104
120	Identification of Dihydroceramide Desaturase as a Direct in Vitro Target for Fenretinide. Journal of Biological Chemistry, 2011, 286, 24754-24764.	1.6	104
121	Selective Involvement of Ceramide in Cytokine-induced Apoptosis. Journal of Biological Chemistry, 1997, 272, 16474-16481.	1.6	103
122	Visualization of Dynamic Trafficking of a Protein Kinase C Î²II/Green Fluorescent Protein Conjugate Reveals Differences in G Protein-coupled Receptor Activation and Desensitization. Journal of Biological Chemistry, 1998, 273, 10755-10762.	1.6	101
123	The functional effects of acid ceramidase over-expression in prostate cancer progression and resistance to chemotherapy. Cancer Biology and Therapy, 2007, 6, 1451-1456.	1.5	101
124	Evolving concepts in cancer therapy through targeting sphingolipid metabolism. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1174-1188.	1.2	100
125	Function of the Cloned Putative Neutral Sphingomyelinase as Lyso-platelet Activating Factor-Phospholipase C. Journal of Biological Chemistry, 1999, 274, 38131-38139.	1.6	99
126	Sphingosine-1-phosphate receptor 2. FEBS Journal, 2013, 280, 6354-6366.	2.2	99

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127	Determination of Ceramides and Diglycerides by the Diglyceride Kinase Assay. Analytical Biochemistry, 2001, 298, 141-150.	1.1	97
128	AMPK inhibitor Compound C stimulates ceramide production and promotes Bax redistribution and apoptosis in MCF7 breast carcinoma cells. Journal of Lipid Research, 2009, 50, 2389-2397.	2.0	97
129	Ceramide generation by two distinct pathways in tumor necrosis factor Î±-induced cell death. FEBS Letters, 2001, 503, 7-12.	1.3	96
130	Regulation of protein kinase C by sphingosine and lysosphingolipids. Clinica Chimica Acta, 1989, 185, 333-345.	0.5	95
131	[25] Mixed micelle assay of protein kinase C. Methods in Enzymology, 1986, 124, 353-359.	0.4	94
132	Phosphatidic Acid Is a Potent And Selective Inhibitor of Protein Phosphatase 1 and an Inhibitor of Ceramide-mediated Responses. Journal of Biological Chemistry, 1999, 274, 21335-21341.	1.6	94
133	New insights on the use of desipramine as an inhibitor for acid ceramidase. FEBS Letters, 2006, 580, 4751-4756.	1.3	94
134	Updates on functions of ceramide in chemotherapy-induced cell death and in multidrug resistance. Drug Resistance Updates, 2001, 4, 368-377.	6.5	93
135	Modulation of cell growth and differentiation by ceramide. FEBS Letters, 1992, 307, 211-214.	1.3	92
136	Molecular Mechanisms of Ceramide-mediated Telomerase Inhibition in the A549 Human Lung Adenocarcinoma Cell Line. Journal of Biological Chemistry, 2001, 276, 32506-32514.	1.6	92
137	Role for Neutral Sphingomyelinase-2 in Tumor Necrosis Factor Î±-Stimulated Expression of Vascular Cell Adhesion Molecule-1 (VCAM) and Intercellular Adhesion Molecule-1 (ICAM) in Lung Epithelial Cells. Journal of Biological Chemistry, 2007, 282, 1384-1396.	1.6	92
138	Regulated Secretion of Acid Sphingomyelinase. Journal of Biological Chemistry, 2010, 285, 35706-35718.	1.6	92
139	Phytosphingosine as a Specific Inhibitor of Growth and Nutrient Import in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 35614-35621.	1.6	91
140	Hyaluronan Constitutively Regulates Activation of COX-2-mediated Cell Survival Activity in Intestinal Epithelial and Colon Carcinoma Cells. Journal of Biological Chemistry, 2008, 283, 14335-14344.	1.6	90
141	Role of Ceramide in Stimulation of the Transcription of Cytosolic Phospholipase A2and Cyclooxygenase 2. Biochemical and Biophysical Research Communications, 1996, 220, 681-686.	1.0	89
142	Ceramide and sphingomyelinases in the regulation of stress responses. Chemistry and Physics of Lipids, 1999, 102, 141-147.	1.5	89
143	Novel Pathway of Ceramide Production in Mitochondria. Journal of Biological Chemistry, 2011, 286, 25352-25362.	1.6	89
144	Role of Acid Ceramidase in Resistance to FasL: Therapeutic Approaches Based on Acid Ceramidase Inhibitors and FasL Gene Therapy. Molecular Therapy, 2007, 15, 1259-1263.	3.7	87

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145	The Sphingolipid Pathway Regulates Pkc1 through the Formation of Diacylglycerol in Cryptococcus neoformans. Journal of Biological Chemistry, 2004, 279, 21144-21153.	1.6	86
146	Potent Antitumor Activity of a Novel Cationic Pyridinium-Ceramide Alone or in Combination with Gemcitabine against Human Head and Neck Squamous Cell Carcinomas in Vitro and in Vivo. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 1188-1199.	1.3	86
147	Sphingolipids in colon cancer. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 773-782.	1.2	86
148	Ceramide Synthase-dependent Ceramide Generation and Programmed Cell Death. Journal of Biological Chemistry, 2011, 286, 15929-15942.	1.6	85
149	Golgi Fragmentation Is Associated with Ceramide-induced Cellular Effects. Molecular Biology of the Cell, 2005, 16, 1555-1567.	0.9	83
150	Purification and Characterization of a Membrane-bound Nonlysosomal Ceramidase from Rat Brain. Journal of Biological Chemistry, 1999, 274, 27948-27955.	1.6	82
151	Tumor Necrosis Factor Induces the Loss of Sphingosine Kinase-1 by a Cathepsin B-dependent Mechanism. Journal of Biological Chemistry, 2005, 280, 17196-17202.	1.6	82
152	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.	3.3	82
153	Isc1 regulates sphingolipid metabolism in yeast mitochondria. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2849-2861.	1.4	81
154	Acute Activation of de Novo Sphingolipid Biosynthesis upon Heat Shock Causes an Accumulation of Ceramide and Subsequent Dephosphorylation of SR Proteins. Journal of Biological Chemistry, 2002, 277, 42572-42578.	1.6	79
155	Murine Model for Colitis-Associated Cancer of the Colon. Methods in Molecular Biology, 2016, 1438, 245-254.	0.4	79
156	Tight Binding Inhibition of Protein Phosphatase-1 by Phosphatidic Acid. Journal of Biological Chemistry, 2002, 277, 15530-15538.	1.6	78
157	Sphingolipids Function as Downstream Effectors of a Fungal PAQR. Molecular Pharmacology, 2009, 75, 866-875.	1.0	78
158	Proteolytic cleavage of phospholipase Câ€“Î³1 during apoptosis in Moltâ€“4 cells. FASEB Journal, 2000, 14, 1083-1092.	0.2	76
159	Biochemical Characterization of the Reverse Activity of Rat Brain Ceramidase. Journal of Biological Chemistry, 2001, 276, 16758-16766.	1.6	76
160	Lysosomotropic acid ceramidase inhibitor induces apoptosis in prostate cancer cells. Cancer Chemotherapy and Pharmacology, 2007, 61, 231-242.	1.1	76
161	Purification and Characterization of Ceramide-Activated Protein Phosphatasesâ€. Biochemistry, 1998, 37, 11232-11238.	1.2	75
162	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.	1.8	75

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163	Regulation of Receptor-mediated Protein Kinase C Membrane Trafficking by Autophosphorylation. Journal of Biological Chemistry, 2000, 275, 17024-17034.	1.6	74
164	An Essential Role for Autophosphorylation in the Dissociation of Activated Protein Kinase C from the Plasma Membrane. Journal of Biological Chemistry, 1998, 273, 26870-26874.	1.6	73
165	Inhibition of Caspases Inhibits the Release of Apoptotic Bodies: Bcl-2 Inhibits the Initiation of Formation of Apoptotic Bodies in Chemotherapeutic Agent-induced Apoptosis. Journal of Cell Biology, 1999, 145, 99-108.	2.3	71
166	Regulation of volumeâ€activated chloride channels by Pâ€glycoprotein: phosphorylation has the final say!. Journal of Physiology, 2000, 524, 629-636.	1.3	71
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