

# Lina M Obeid

## List of Publications by Citations

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256  
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147  
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262  
ext. papers

25,530  
ext. citations

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7.17  
L-index

#	Paper	IF	Citations
256	Principles of bioactive lipid signalling: lessons from sphingolipids. <i>Nature Reviews Molecular Cell Biology</i> , <b>2008</b> , 9, 139-50	48.7	2353
255	Programmed cell death induced by ceramide. <i>Science</i> , <b>1993</b> , 259, 1769-71	33.3	1595
254	The Ceramide-centric universe of lipid-mediated cell regulation: stress encounters of the lipid kind. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 25847-50	5.4	698
253	Sphingolipids and their metabolism in physiology and disease. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 175-191	48.7	687
252	An overview of sphingolipid metabolism: from synthesis to breakdown. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 688, 1-23	3.6	575
251	Many ceramides. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 27855-62	5.4	411
250	Role for ceramide in cell cycle arrest. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 2047-52	5.4	364
249	Role of ceramide in cellular senescence. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 30701-8	5.4	343
248	Ceramide synthases at the centre of sphingolipid metabolism and biology. <i>Biochemical Journal</i> , <b>2012</b> , 441, 789-802	3.8	338
247	Sphingolipid metabolism cooperates with BAK and BAX to promote the mitochondrial pathway of apoptosis. <i>Cell</i> , <b>2012</b> , 148, 988-1000	56.2	307
246	Thioredoxin peroxidase is a novel inhibitor of apoptosis with a mechanism distinct from that of Bcl-2. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 30615-8	5.4	300
245	The sphingosine kinase 1/sphingosine-1-phosphate pathway mediates COX-2 induction and PGE2 production in response to TNF-alpha. <i>FASEB Journal</i> , <b>2003</b> , 17, 1411-21	0.9	287
244	Ceramidases: regulators of cellular responses mediated by ceramide, sphingosine, and sphingosine-1-phosphate. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2008</b> , 1781, 424-34	5	283
243	Glutathione regulation of neutral sphingomyelinase in tumor necrosis factor-alpha-induced cell death. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 11313-20	5.4	276
242	De novo ceramide regulates the alternative splicing of caspase 9 and Bcl-x in A549 lung adenocarcinoma cells. Dependence on protein phosphatase-1. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 12587-95	5.4	271
241	PKC-dependent activation of sphingosine kinase 1 and translocation to the plasma membrane. Extracellular release of sphingosine-1-phosphate induced by phorbol 12-myristate 13-acetate (PMA). <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 35257-62	5.4	246
240	Involvement of yeast sphingolipids in the heat stress response of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 32566-72	5.4	240

239	A house divided: ceramide, sphingosine, and sphingosine-1-phosphate in programmed cell death. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2006</b> , 1758, 2027-36	3.8	232
238	Inhibition of tumor necrosis factor-induced cell death in MCF7 by a novel inhibitor of neutral sphingomyelinase. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 41128-39	5.4	228
237	Selective hydrolysis of a mitochondrial pool of sphingomyelin induces apoptosis. <i>FASEB Journal</i> , <b>2001</b> , 15, 2669-79	0.9	220
236	Regulation of protein kinase C and role in cancer biology. <i>Cancer and Metastasis Reviews</i> , <b>1994</b> , 13, 411-33	3.6	219
235	Ceramide inactivates cellular protein kinase Calpha. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 13169-74	5.4	210
234	Ceramide: a stress signal and mediator of growth suppression and apoptosis. <i>Journal of Cellular Biochemistry</i> , <b>1995</b> , 58, 191-8	4.7	210
233	Role for sphingosine kinase 1 in colon carcinogenesis. <i>FASEB Journal</i> , <b>2009</b> , 23, 405-14	0.9	206
232	Cytokine response modifier A (CrmA) inhibits ceramide formation in response to tumor necrosis factor (TNF)-alpha: CrmA and Bcl-2 target distinct components in the apoptotic pathway. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 185, 481-90	16.6	203
231	p1CE: a downstream target for ceramide-induced apoptosis and for the inhibitory action of Bcl-2. <i>Biochemical Journal</i> , <b>1996</b> , 316 ( Pt 1), 25-8	3.8	198
230	Sphingosine kinase 1 is up-regulated in colon carcinogenesis. <i>FASEB Journal</i> , <b>2006</b> , 20, 386-8	0.9	192
229	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. Role for endogenous ceramide in mediating the action of exogenous ceramide. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 12960-9	5.4	170
228	Ceramide: an endogenous regulator of apoptosis and growth suppression. <i>Trends in Immunology</i> , <b>1995</b> , 16, 294-7		170
227	Defects in cell growth regulation by C18:0-ceramide and longevity assurance gene 1 in human head and neck squamous cell carcinomas. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 44311-9	5.4	169
226	A role for sphingosine kinase 1 in dextran sulfate sodium-induced colitis. <i>FASEB Journal</i> , <b>2009</b> , 23, 143-52	0.9	164
225	Alterations of ceramide/sphingosine 1-phosphate rheostat involved in the regulation of resistance to imatinib-induced apoptosis in K562 human chronic myeloid leukemia cells. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 10922-34	5.4	161
224	Immunohistochemical distribution of sphingosine kinase 1 in normal and tumor lung tissue. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2005</b> , 53, 1159-66	3.4	151
223	Cloning of an alkaline ceramidase from <i>Saccharomyces cerevisiae</i> . An enzyme with reverse (CoA-independent) ceramide synthase activity. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 6876-84	5.4	147
222	Sphingosine-1-phosphate receptors: receptor specificity versus functional redundancy. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2004</b> , 1682, 48-55	5	142

221	Ceramide and apoptosis: exploring the enigmatic connections between sphingolipid metabolism and programmed cell death. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2012</b> , 12, 340-63	2.2	141
220	Activation of sphingosine-1-phosphate receptor S1P5 inhibits oligodendrocyte progenitor migration. <i>FASEB Journal</i> , <b>2007</b> , 21, 1503-14	0.9	136
219	Expression of neutral sphingomyelinase identifies a distinct pool of sphingomyelin involved in apoptosis. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 9609-12	5.4	134
218	Mitochondria and ceramide: intertwined roles in regulation of apoptosis. <i>Advances in Enzyme Regulation</i> , <b>2002</b> , 42, 113-29		133
217	Involvement of dihydroceramide desaturase in cell cycle progression in human neuroblastoma cells. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 16718-28	5.4	132
216	Identification and characterization of <i>Saccharomyces cerevisiae</i> dihydrosphingosine-1-phosphate phosphatase. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 28690-4	5.4	129
215	Bioactive sphingolipids in the modulation of the inflammatory response <b>2006</b> , 112, 171-83		129
214	Loss of sphingosine kinase-1 activates the intrinsic pathway of programmed cell death: modulation of sphingolipid levels and the induction of apoptosis. <i>FASEB Journal</i> , <b>2006</b> , 20, 482-4	0.9	128
213	Cloning and characterization of a novel human alkaline ceramidase. A mammalian enzyme that hydrolyzes phytoceramide. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 26577-88	5.4	128
212	Role for mammalian neutral sphingomyelinase 2 in confluence-induced growth arrest of MCF7 cells. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 25101-11	5.4	127
211	Role of human sphingosine-1-phosphate phosphatase 1 in the regulation of intra- and extracellular sphingosine-1-phosphate levels and cell viability. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 34541-7	5.4	124
210	Sphingosine kinase: Role in regulation of bioactive sphingolipid mediators in inflammation. <i>Biochimie</i> , <b>2010</b> , 92, 707-15	4.6	122
209	A mitochondrial pool of sphingomyelin is involved in TNFalpha-induced Bax translocation to mitochondria. <i>Biochemical Journal</i> , <b>2005</b> , 386, 445-51	3.8	119
208	The coordination of prostaglandin E2 production by sphingosine-1-phosphate and ceramide-1-phosphate. <i>Molecular Pharmacology</i> , <b>2005</b> , 68, 330-5	4.3	116
207	Cloning and characterization of a <i>Saccharomyces cerevisiae</i> alkaline ceramidase with specificity for dihydroceramide. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 31369-78	5.4	116
206	The mechanism of membrane targeting of human sphingosine kinase 1. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 43030-8	5.4	115
205	A deficiency of ceramide biosynthesis causes cerebellar purkinje cell neurodegeneration and lipofuscin accumulation. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002063	6	113
204	Sphingosine kinase 1 (SPHK1) is induced by transforming growth factor-beta and mediates TIMP-1 up-regulation. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 53994-4001	5.4	113

203	Sphingosine kinase 1 is up-regulated during hypoxia in U87MG glioma cells. Role of hypoxia-inducible factors 1 and 2. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 3365-3375	5.4	112
202	Golgi alkaline ceramidase regulates cell proliferation and survival by controlling levels of sphingosine and S1P. <i>FASEB Journal</i> , <b>2006</b> , 20, 1813-25	0.9	112
201	Down-regulation of sphingosine kinase-1 by DNA damage: dependence on proteases and p53. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 20546-54	5.4	111
200	JNK3 signaling pathway activates ceramide synthase leading to mitochondrial dysfunction. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 25940-9	5.4	110
199	Cystic fibrosis transmembrane regulator regulates uptake of sphingoid base phosphates and lysophosphatidic acid: modulation of cellular activity of sphingosine 1-phosphate. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 35258-64	5.4	110
198	Ceramide inhibits phospholipase D in a cell-free system. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 24800-5	5.4	109
197	Ceramide Is Metabolized to Acylceramide and Stored in Lipid Droplets. <i>Cell Metabolism</i> , <b>2017</b> , 25, 686-697	4.6	107
196	Communication between host organism and cancer cells is transduced by systemic sphingosine kinase 1/sphingosine 1-phosphate signalling to regulate tumour metastasis. <i>EMBO Molecular Medicine</i> , <b>2012</b> , 4, 761-75	12	107
195	The dihydrosphingosine-1-phosphate phosphatases of <i>Saccharomyces cerevisiae</i> are important regulators of cell proliferation and heat stress responses. <i>Biochemical Journal</i> , <b>1999</b> , 342, 667-675	3.8	105
194	Sphingomyelinases in cell regulation. <i>Seminars in Cell and Developmental Biology</i> , <b>1997</b> , 8, 311-322	7.5	102
193	The development and maintenance of paclitaxel-induced neuropathic pain require activation of the sphingosine 1-phosphate receptor subtype 1. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 21082-97	5.4	101
192	Yeast sphingolipids: metabolism and biology. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2002</b> , 1585, 163-71	5	100
191	Sphingolipids signal heat stress-induced ubiquitin-dependent proteolysis. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 17229-32	5.4	98
190	Yeast sphingolipids: recent developments in understanding biosynthesis, regulation, and function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2007</b> , 1771, 421-31	5	97
189	Rapid shortening of telomere length in response to ceramide involves the inhibition of telomere binding activity of nuclear glyceraldehyde-3-phosphate dehydrogenase. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 6152-62	5.4	96
188	The BCL-2 protein BAK is required for long-chain ceramide generation during apoptosis. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 11818-26	5.4	94
187	Disruption of ceramide synthesis by CerS2 down-regulation leads to autophagy and the unfolded protein response. <i>Biochemical Journal</i> , <b>2009</b> , 424, 273-83	3.8	94
186	Necessary role for the Lag1p motif in (dihydro)ceramide synthase activity. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 33931-8	5.4	94

185	Sphingosine kinase 1 (SK1) is recruited to nascent phagosomes in human macrophages: inhibition of SK1 translocation by Mycobacterium tuberculosis. <i>Journal of Immunology</i> , <b>2005</b> , 174, 3551-61	5.3	94
184	Positively charged ceramide is a potent inducer of mitochondrial permeabilization. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 16096-105	5.4	94
183	Selective involvement of ceramide in cytokine-induced apoptosis. Ceramide inhibits phorbol ester activation of nuclear factor kappaB. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 16474-81	5.4	93
182	Role of ceramide in mediating the inhibition of telomerase activity in A549 human lung adenocarcinoma cells. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 24901-10	5.4	93
181	Targeting the sphingosine kinase/sphingosine 1-phosphate pathway in disease: review of sphingosine kinase inhibitors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2013</b> , 1831, 157-66	5	92
180	Selective knockdown of ceramide synthases reveals complex interregulation of sphingolipid metabolism. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 68-77	6.3	92
179	The functional effects of acid ceramidase overexpression in prostate cancer progression and resistance to chemotherapy. <i>Cancer Biology and Therapy</i> , <b>2007</b> , 6, 1455-60	4.6	90
178	Evolving concepts in cancer therapy through targeting sphingolipid metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2014</b> , 1841, 1174-88	5	87
177	Sphingosine kinase-1 and sphingosine 1-phosphate receptor 2 mediate Bcr-Abl1 stability and drug resistance by modulation of protein phosphatase 2A. <i>Blood</i> , <b>2011</b> , 117, 5941-52	2.2	87
176	Identification of dihydroceramide desaturase as a direct in vitro target for fenretinide. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 24754-64	5.4	85
175	Molecular mechanisms of ceramide-mediated telomerase inhibition in the A549 human lung adenocarcinoma cell line. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 32506-14	5.4	83
174	Sphingosine-1-phosphate receptor 2. <i>FEBS Journal</i> , <b>2013</b> , 280, 6354-66	5.7	80
173	Hyaluronan constitutively regulates activation of COX-2-mediated cell survival activity in intestinal epithelial and colon carcinoma cells. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 14335-44	5.4	80
172	Phytosphingosine as a specific inhibitor of growth and nutrient import in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 35614-21	5.4	80
171	AMPK inhibitor Compound C stimulates ceramide production and promotes Bax redistribution and apoptosis in MCF7 breast carcinoma cells. <i>Journal of Lipid Research</i> , <b>2009</b> , 50, 2389-97	6.3	78
170	Dihydroceramide-based response to hypoxia.. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 17425	5.4	78
169	Role of sphingosine kinase-1 in paracrine/transcellular angiogenesis and lymphangiogenesis in vitro. <i>FASEB Journal</i> , <b>2010</b> , 24, 2727-38	0.9	78
168	Dual and distinct roles for sphingosine kinase 1 and sphingosine 1 phosphate in the response to inflammatory stimuli in RAW macrophages. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2008</b> , 85, 107-14	3.7	78

167	Ceramide synthase-dependent ceramide generation and programmed cell death: involvement of salvage pathway in regulating postmitochondrial events. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 15929-42	5.4	77
166	Insulin-like growth factors mediate heterotrimeric G protein-dependent ERK1/2 activation by transactivating sphingosine 1-phosphate receptors. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 31399-407	5.4	77
165	Golgi fragmentation is associated with ceramide-induced cellular effects. <i>Molecular Biology of the Cell</i> , <b>2005</b> , 16, 1555-67	3.5	76
164	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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 317, 1188-99	4.7	75
163	Role of sphingolipids in senescence: implication in aging and age-related diseases. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 2702-2712	15.9	74
162	Tumor necrosis factor induces the loss of sphingosine kinase-1 by a cathepsin B-dependent mechanism. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 17196-202	5.4	71
161	Sphingosine kinase 1 in cancer. <i>Advances in Cancer Research</i> , <b>2013</b> , 117, 201-35	5.9	70
160	Genetic sphingosine kinase 1 deficiency significantly decreases synovial inflammation and joint erosions in murine TNF-alpha-induced arthritis. <i>Journal of Immunology</i> , <b>2010</b> , 185, 2570-9	5.3	70
159	Novel pathway of ceramide production in mitochondria: thioesterase and neutral ceramidase produce ceramide from sphingosine and acyl-CoA. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 25352-62	5.4	70
158	Cloning and characterization of a mouse endoplasmic reticulum alkaline ceramidase: an enzyme that preferentially regulates metabolism of very long chain ceramides. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 31184-91	5.4	68
157	Isc1 regulates sphingolipid metabolism in yeast mitochondria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2007</b> , 1768, 2849-61	3.8	67
156	Inhibition of caspases inhibits the release of apoptotic bodies: Bcl-2 inhibits the initiation of formation of apoptotic bodies in chemotherapeutic agent-induced apoptosis. <i>Journal of Cell Biology</i> , <b>1999</b> , 145, 99-108	7.3	67
155	Sphingolipids in mitochondria. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2017</b> , 1862, 56-68	5	66
154	Alkaline ceramidase 3 (ACER3) hydrolyzes unsaturated long-chain ceramides, and its down-regulation inhibits both cell proliferation and apoptosis. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 7964-76	5.4	66
153	Upregulation of the human alkaline ceramidase 1 and acid ceramidase mediates calcium-induced differentiation of epidermal keratinocytes. <i>Journal of Investigative Dermatology</i> , <b>2008</b> , 128, 389-97	4.3	64
152	A novel role for protein kinase Cdelta-mediated phosphorylation of acid sphingomyelinase in UV light-induced mitochondrial injury. <i>FASEB Journal</i> , <b>2008</b> , 22, 183-93	0.9	63
151	Molecular targeting of acid ceramidase: implications to cancer therapy. <i>Current Drug Targets</i> , <b>2008</b> , 9, 653-61	3	62
150	A role of sphingosine kinase 1 in head and neck carcinogenesis. <i>Cancer Prevention Research</i> , <b>2011</b> , 4, 454-62	3.2	60

149	Developmentally regulated ceramide synthase 6 increases mitochondrial Ca <sup>2+</sup> loading capacity and promotes apoptosis. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 4644-58	5.4	60
148	Ceramide generated by sphingomyelin hydrolysis and the salvage pathway is involved in hypoxia/reoxygenation-induced Bax redistribution to mitochondria in NT-2 cells. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 26509-17	5.4	60
147	Cell-cycle-dependent changes in ceramide levels preceding retinoblastoma protein dephosphorylation in G2/M. <i>Biochemical Journal</i> , <b>1998</b> , 334 ( Pt 2), 457-61	3.8	60
146	Dihydroceramide-based response to hypoxia. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 38069-38078	5.4	57
145	Differential effects of ceramide and sphingosine 1-phosphate on ERM phosphorylation: probing sphingolipid signaling at the outer plasma membrane. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 32476-85	5.4	56
144	Phorbol myristate acetate-dependent association of protein kinase C alpha with phospholipase D1 in intact cells. <i>Lipids and Lipid Metabolism</i> , <b>1997</b> , 1347, 199-204		56
143	Yeast sphingolipid metabolism: clues and connections. <i>Biochemistry and Cell Biology</i> , <b>2004</b> , 82, 45-61	3.6	55
142	Cationic long-chain ceramide LCL-30 induces cell death by mitochondrial targeting in SW403 cells. <i>Molecular Cancer Therapeutics</i> , <b>2006</b> , 5, 1520-9	6.1	54
141	Sphingosine-1-phosphate signaling promotes critical migratory events in vasculogenesis. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 50580-90	5.4	54
140	ISC1-dependent metabolic adaptation reveals an indispensable role for mitochondria in induction of nuclear genes during the diauxic shift in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 10818-30	5.4	52
139	Acid ceramidase but not acid sphingomyelinase is required for tumor necrosis factor- $\alpha$ -induced PGE <sub>2</sub> production. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 24695-703	5.4	52
138	Intracellular sphingosine kinase 2-derived sphingosine-1-phosphate mediates epidermal growth factor-induced ezrin-radixin-moesin phosphorylation and cancer cell invasion. <i>FASEB Journal</i> , <b>2015</b> , 29, 4654-69	0.9	51
137	Sphingosine 1-phosphate induces filopodia formation through S1PR2 activation of ERM proteins. <i>Biochemical Journal</i> , <b>2013</b> , 449, 661-72	3.8	50
136	Protein kinase C-induced activation of a ceramide/protein phosphatase 1 pathway leading to dephosphorylation of p38 MAPK. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 36793-802	5.4	50
135	Phospholipase D in cellular senescence. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>1999</b> , 1439, 291-8	5	50
134	Dihydrosphingosine 1-phosphate stimulates MMP1 gene expression via activation of ERK1/2-Ets1 pathway in human fibroblasts. <i>FASEB Journal</i> , <b>2006</b> , 20, 184-6	0.9	49
133	Tailoring structure-function and targeting properties of ceramides by site-specific cationization. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 7083-104	3.4	49
132	Functional dichotomy of protein kinase C (PKC) in tumor necrosis factor- $\alpha$ (TNF- $\alpha$ ) signal transduction in L929 cells. Translocation and inactivation of PKC by TNF- $\alpha$ . <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 29290-8	5.4	49



131	De novo N-palmitoylsphingosine synthesis is the major biochemical mechanism of ceramide accumulation following p53 up-regulation. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2008</b> , 86, 41-8	3.7	48
130	Mechanisms of ceramide-mediated apoptosis. <i>Advances in Experimental Medicine and Biology</i> , <b>1997</b> , 407, 145-9	3.6	48
129	Differentiation-associated expression of ceramidase isoforms in cultured keratinocytes and epidermis. <i>Journal of Lipid Research</i> , <b>2006</b> , 47, 1063-70	6.3	47
128	Effects of sphingosine and other sphingolipids on protein kinase C. <i>Methods in Enzymology</i> , <b>2000</b> , 312, 361-73	1.7	47
127	Ceramide: a novel lipid mediator of apoptosis. <i>Advances in Pharmacology</i> , <b>1997</b> , 41, 133-54	5.7	46
126	Inhibition of growth and telomerase activity by novel cationic ceramide analogs with high solubility in human head and neck squamous cell carcinoma cells. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2005</b> , 132, 55-62	5.5	45
125	Modulation of transforming growth factor-beta (TGF-beta) signaling by endogenous sphingolipid mediators. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 9276-82	5.4	45
124	Long-chain acyl-CoA synthetase 1 interacts with key proteins that activate and direct fatty acids into niche hepatic pathways. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 16724-16740	5.4	45
123	Structure of human nSMase2 reveals an interdomain allosteric activation mechanism for ceramide generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E5549-E5558	11.5	44
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