Sarah Spiegel

List of Publications by Year in Descending Order

292 papers	35,772 citations	102 h-index	184 g-index
300 ext. papers	38,586 ext. citations	7.2 avg, IF	7.29 L-index

#	Paper	IF	Citations
292	Increasing medical student confidence in gender and sexual health through a student-initiated lecture series. *Journal of Advances in Medical Education and Professionalism*, **2021**, 9, 189-196	1.4	
291	Dye-free spectrophotometric measurement of nucleic acid-to-protein ratio for cell-selective extracellular vesicle discrimination. *Biosensors and Bioelectronics*, **2021**, 179, 113058	11.8	0
290	Diacylglycerol Lipase-Knockout Mice Display a Sex-Dependent Attenuation of Traumatic Brain Injury-Induced Mortality with No Impact on Memory or Other Functional Consequences. *Cannabis and Cannabinoid Research*, **2021**,	4.6	2
289	Sphingolipids in metabolic disease: The good, the bad, and the unknown. *Cell Metabolism*, **2021**, 33, 1293-1306	27.6	17
288	Ceramide in apoptosis and oxidative stress in allergic inflammation and asthma. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 1936-1948.e9	11.5	8
287	Deletion or inhibition of SphK1 mitigates fulminant hepatic failure by suppressing TNF-dependent inflammation and apoptosis. *FASEB Journal*, **2021**, 35, e21415	0.9	2
286	CRISPR/Cas9 deletion of ORMDLs reveals complexity in sphingolipid metabolism. *Journal of Lipid Research*, **2021**, 62, 100082	6.3	2
285	Neuronal contact upregulates astrocytic sphingosine-1-phosphate receptor 1 to coordinate astrocyte-neuron cross communication.. *Glia*, **2021**,	9	3
284	Sphingosine-1-phosphate: From insipid lipid to a key regulator. *Journal of Biological Chemistry*, **2020**, 295, 3371-3384	5.4	7
283	A simple method for sphingolipid analysis of tissues embedded in optimal cutting temperature compound. *Journal of Lipid Research*, **2020**, 61, 953-967	6.3	3
282	Regulatory role of SphK1 in TLR7/9-dependent type I interferon response and autoimmunity. *FASEB Journal*, **2020**, 34, 4329-4347	0.9	6
281	Inflammatory Conditions Disrupt Constitutive Endothelial Cell Barrier Stabilization by Alleviating Autonomous Secretion of Sphingosine 1-Phosphate. *Cells*, **2020**, 9,	7.9	9
280	Role of Sphingosine Kinase 1 and Sphingosine-1-Phosphate Axis in Hepatocellular Carcinoma. *Handbook of Experimental Pharmacology*, **2020**, 259, 3-17	3.2	18
279	Functional analysis of molecular and pharmacological modulators of mitochondrial fatty acid oxidation. *Scientific Reports*, **2020**, 10, 1450	4.9	18
278	Targeting defective sphingosine kinase 1 in Niemann-Pick type C disease with an activator mitigates cholesterol accumulation. *Journal of Biological Chemistry*, **2020**, 295, 9121-9133	5.4	11
277	Design of new quinolin-2-one-pyrimidine hybrids as sphingosine kinases inhibitors. *Bioorganic Chemistry*, **2020**, 94, 103414	5.1	9
276	Targeting the Sphingosine-1-Phosphate Axis for Developing Non-narcotic Pain Therapeutics. *Trends in Pharmacological Sciences*, **2020**, 41, 851-867	13.2	9

275	S1P lyase inhibition protects against sepsis by promoting disease tolerance via the S1P/S1PR3 axis. *EBioMedicine*, **2020**, 58, 102898	8.8	11
274	Sphingosine-1-phosphate receptor subtype 1 activation in the central nervous system contributes to morphine withdrawal in rodents. *Journal of Neuroinflammation*, **2020**, 17, 314	10.1	2
273	Activation of sphingosine-1-phosphate receptor subtype 1 in the central nervous system contributes to morphine-induced hyperalgesia and antinociceptive tolerance in rodents. *Pain*, **2020**, 161, 2107-2118	8	12
272	Sphingosine-1-phosphate signaling: A novel target for simultaneous adjuvant treatment of triple negative breast cancer and chemotherapy-induced neuropathic pain. *Advances in Biological Regulation*, **2020**, 75, 100670	6.2	16
271	Tumor-derived exosomes (TDEs): How to avoid the sting in the tail. *Medicinal Research Reviews*, **2020**, 40, 385-412	14.4	19
270	New insights into functions of the sphingosine-1-phosphate transporter SPNS2. *Journal of Lipid Research*, **2019**, 60, 484-489	6.3	31
269	FTY720/fingolimod decreases hepatic steatosis and expression of fatty acid synthase in diet-induced nonalcoholic fatty liver disease in mice. *Journal of Lipid Research*, **2019**, 60, 1311-1322	6.3	16
268	Sphingosine-1-phosphate receptor 1 activation in astrocytes contributes to neuropathic pain. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 10557-10562	11.5	46
267	Sphingosine-1-phosphate signalling drives an angiogenic transcriptional programme in diffuse large B cell lymphoma. *Leukemia*, **2019**, 33, 2884-2897	10.7	11
266	Examination of the role of sphingosine kinase 2 in a murine model of systemic lupus erythematosus. *FASEB Journal*, **2019**, 33, 7061-7071	0.9	8
265	Chemotherapy selection pressure alters sphingolipid composition and mitochondrial bioenergetics in resistant HL-60 cells. *Journal of Lipid Research*, **2019**, 60, 1590-1602	6.3	11
264	ORMDL3 and allergic asthma: From physiology to pathology. *Journal of Allergy and Clinical Immunology*, **2019**, 144, 634-640	11.5	27
263	Fingolimod augments Pemetrexed killing of non-small cell lung cancer and overcomes resistance to ERBB inhibition. *Cancer Biology and Therapy*, **2019**, 20, 597-607	4.6	5
262	Synthesis and biological evaluation of sphingosine kinase 2 inhibitors with anti-inflammatory activity. *Archiv Der Pharmazie*, **2019**, 352, e1800298	4.3	6
261	The ORMDL3 Asthma Gene Regulates ICAM1 and Has Multiple Effects on Cellular Inflammation. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 478-488	10.2	45
260	Targeting the SphK1/S1P/S1PR1 Axis That Links Obesity, Chronic Inflammation, and Breast Cancer Metastasis. *Cancer Research*, **2018**, 78, 1713-1725	10.1	98
259	TP53 is required for BECN1- and ATG5-dependent cell death induced by sphingosine kinase 1 inhibition. *Autophagy*, **2018**, 14, 942-957	10.2	24
258	Dysregulation of sphingolipid metabolism contributes to bortezomib-induced neuropathic pain. *Journal of Experimental Medicine*, **2018**, 215, 1301-1313	16.6	76

257	ABCC1-Exported Sphingosine-1-phosphate, Produced by Sphingosine Kinase 1, Shortens Survival of Mice and Patients with Breast Cancer. *Molecular Cancer Research*, **2018**, 16, 1059-1070	6.6	41
256	Sphingosine kinase 1 in breast cancer. *Advances in Biological Regulation*, **2018**, 67, 59-65	6.2	34
255	Sphingosine kinase 1 activation by estrogen receptor α36 contributes to tamoxifen resistance in breast cancer. *Journal of Lipid Research*, **2018**, 59, 2297-2307	6.3	23
254	Niemann-Pick type C disease: The atypical sphingolipidosis. *Advances in Biological Regulation*, **2018**, 70, 82-88	6.2	32
253	Non-alcoholic fatty liver disease: Insights from sphingolipidomics. *Biochemical and Biophysical Research Communications*, **2018**, 504, 608-616	3.4	18
252	Novel Sphingolipid-Based Cancer Therapeutics in the Personalized Medicine Era. *Advances in Cancer Research*, **2018**, 140, 327-366	5.9	33
251	Sphingosine and Sphingosine Kinase 1 Involvement in Endocytic Membrane Trafficking. *Journal of Biological Chemistry*, **2017**, 292, 3074-3088	5.4	41
250	FTY720/fingolimod increases NPC1 and NPC2 expression and reduces cholesterol and sphingolipid accumulation in Niemann-Pick type C mutant fibroblasts. *FASEB Journal*, **2017**, 31, 1719-1730	0.9	30
249	Sphingosine kinase and sphingosine-1-phosphate in liver pathobiology. *Critical Reviews in Biochemistry and Molecular Biology*, **2017**, 52, 543-553	8.7	41
248	Targeting the S1P/S1PR1 axis mitigates cancer-induced bone pain and neuroinflammation. *Pain*, **2017**, 158, 1733-1742	8	42
247	Genome-wide in vivo screen identifies novel host regulators of metastatic colonization. *Nature*, **2017**, 541, 233-236	50.4	141
246	An integrative study to identify novel scaffolds for sphingosine kinase 1 inhibitors. *European Journal of Medicinal Chemistry*, **2017**, 139, 461-481	6.8	25
245	ORMDL proteins regulate ceramide levels during sterile inflammation. *Journal of Lipid Research*, **2016**, 57, 1412-22	6.3	28
244	Modified breast cancer model for preclinical immunotherapy studies. *Journal of Surgical Research*, **2016**, 204, 467-474	2.5	15
243	Sphingosine-1-phosphate and estrogen signaling in breast cancer. *Advances in Biological Regulation*, **2016**, 60, 160-165	6.2	33
242	Filamin A Expression Negatively Regulates Sphingosine-1-Phosphate-Induced NF-κB Activation in Melanoma Cells by Inhibition of Akt Signaling. *Molecular and Cellular Biology*, **2016**, 36, 320-9	4.8	15
241	Carnitine palmitoyltransferase 1A functions to repress FoxO transcription factors to allow cell cycle progression in ovarian cancer. *Oncotarget*, **2016**, 7, 3832-46	3.3	58
240	Sphingosine-1-phosphate in the lymphatic fluid determined by novel methods. *Heliyon*, **2016**, 2, e00219	3.6	20

239	Sphingosine-1-phosphate phosphatase 2 promotes disruption of mucosal integrity, and contributes to ulcerative colitis in mice and humans. *FASEB Journal*, **2016**, 30, 2945-58	0.9	35
238	VEGF Potentiates GD3-Mediated Immunosuppression by Human Ovarian Cancer Cells. *Clinical Cancer Research*, **2016**, 22, 4249-58	12.9	20
237	Interstitial Fluid Sphingosine-1-Phosphate in Murine Mammary Gland and Cancer and Human Breast Tissue and Cancer Determined by Novel Methods. *Journal of Mammary Gland Biology and Neoplasia*, **2016**, 21, 9-17	2.4	33
236	Host sphingosine kinase 1 worsens pancreatic cancer peritoneal carcinomatosis. *Journal of Surgical Research*, **2016**, 205, 510-517	2.5	26
235	Murine model of long-term obstructive jaundice. *Journal of Surgical Research*, **2016**, 206, 118-125	2.5	18
234	Alkaline ceramidase 1 is essential for mammalian skin homeostasis and regulating whole-body energy expenditure. *Journal of Pathology*, **2016**, 239, 374-83	9.4	27
233	Revisiting the sphingolipid rheostat: Evolving concepts in cancer therapy. *Experimental Cell Research*, **2015**, 333, 195-200	4.2	162
232	The sphingosine-1-phosphate/sphingosine-1-phosphate receptor 2 axis regulates early airway T-cell infiltration in murine mast cell-dependent acute allergic responses. *Journal of Allergy and Clinical Immunology*, **2015**, 135, 1008-1018.e1	11.5	48
231	Differential regulation of autophagy and cell viability by ceramide species. *Cancer Biology and Therapy*, **2015**, 16, 733-42	4.6	18
230	Aberrant ORM (yeast)-like protein isoform 3 (ORMDL3) expression dysregulates ceramide homeostasis in cells and ceramide exacerbates allergic asthma in mice. *Journal of Allergy and Clinical Immunology*, **2015**, 136, 1035-46.e6	11.5	68
229	Spinster 2, a sphingosine-1-phosphate transporter, plays a critical role in inflammatory and autoimmune diseases. *FASEB Journal*, **2015**, 29, 5018-28	0.9	46
228	PDE5 inhibitors enhance celecoxib killing in multiple tumor types. *Journal of Cellular Physiology*, **2015**, 230, 1115-27	7	36
227	Conjugated bile acid-activated S1P receptor 2 is a key regulator of sphingosine kinase 2 and hepatic gene expression. *Hepatology*, **2015**, 61, 1216-26	11.2	114
226	Network modelling reveals the mechanism underlying colitis-associated colon cancer and identifies novel combinatorial anti-cancer targets. *Scientific Reports*, **2015**, 5, 14739	4.9	30
225	Sphingosine-1-phosphate inhibits IL-1-induced expression of C-C motif ligand 5 via c-Fos-dependent suppression of IFN-β amplification loop. *FASEB Journal*, **2015**, 29, 4853-65	0.9	11
224	Uncleaved ApoM signal peptide is required for formation of large ApoM/sphingosine 1-phosphate (S1P)-enriched HDL particles. *Journal of Biological Chemistry*, **2015**, 290, 7861-70	5.4	20
223	K63-linked polyubiquitination of transcription factor IRF1 is essential for IL-1-induced production of chemokines CXCL10 and CCL5. *Nature Immunology*, **2014**, 15, 231-8	19.1	87
222	Sphingosine-1-phosphate in chronic intestinal inflammation and cancer. *Advances in Biological Regulation*, **2014**, 54, 112-20	6.2	59

221	Active, phosphorylated fingolimod inhibits histone deacetylases and facilitates fear extinction memory. *Nature Neuroscience*, **2014**, 17, 971-80	25.5	139
220	Role of sphingosine kinase 1 and sphingosine-1-phosphate in CD40 signaling and IgE class switching. *FASEB Journal*, **2014**, 28, 4347-58	0.9	9
219	Hepatic apolipoprotein M (apoM) overexpression stimulates formation of larger apoM/sphingosine 1-phosphate-enriched plasma high density lipoprotein. *Journal of Biological Chemistry*, **2014**, 289, 2801-14	5.4	58
218	Sphingolipid metabolites in inflammatory disease. *Nature*, **2014**, 510, 58-67	50.4	700
217	Export of sphingosine-1-phosphate and cancer progression. *Journal of Lipid Research*, **2014**, 55, 1839-46	6.3	111
216	An improved syngeneic orthotopic murine model of human breast cancer progression. *Breast Cancer Research and Treatment*, **2014**, 147, 501-12	4.4	36
215	A real-time high-throughput fluorescence assay for sphingosine kinases. *Journal of Lipid Research*, **2014**, 55, 1525-30	6.3	19
214	Lysophospholipid receptor nomenclature review: IUPHAR Review 8. *British Journal of Pharmacology* , **2014**, 171, 3575-94	8.6	212
213	Molecular mechanism of sphingosine-1-phosphate action in Duchenne muscular dystrophy. *DMM Disease Models and Mechanisms*, **2014**, 7, 41-54	4.1	45
212	Memo has a novel role in S1P signaling and is [corrected] crucial for vascular development. *PLoS ONE*, **2014**, 9, e94114	3.7	11
211	Targeting the sphingosine-1-phosphate axis in cancer, inflammation and beyond. *Nature Reviews Drug Discovery*, **2013**, 12, 688-702	64.1	311
210	Sphingosine-1-phosphate links persistent STAT3 activation, chronic intestinal inflammation, and development of colitis-associated cancer. *Cancer Cell*, **2013**, 23, 107-20	24.3	404
209	A specific sphingosine kinase 1 inhibitor attenuates airway hyperresponsiveness and inflammation in a mast cell-dependent murine model of allergic asthma. *Journal of Allergy and Clinical Immunology*, **2013**, 131, 501-11.e1	11.5	102
208	Identification of Direct Intracellular Targets of Sphingosine 1-Phosphate (S1P) **2013**, 71-83		
207	Sphingosine kinase: a closer look at last. *Structure*, **2013**, 21, 690-2	5.2	4
206	Spns2, a transporter of phosphorylated sphingoid bases, regulates their blood and lymph levels, and the lymphatic network. *FASEB Journal*, **2013**, 27, 1001-11	0.9	113
205	The potential of histone deacetylase inhibitors in Niemann - Pick type C disease. *FEBS Journal*, **2013** , 280, 6367-72	5.7	16
204	Genotype-dependent effects of TGF-β on mast cell function: targeting the Stat5 pathway. *Journal of Immunology*, **2013**, 191, 4505-13	5.3	26

203	Fenretinide causes emphysema, which is prevented by sphingosine 1-phoshate. *PLoS ONE*, **2013**, 8, e53927	3.7	20
202	Biological characterization of 3-(2-amino-ethyl)-5-[3-(4-butoxyl-phenyl)-propylidene]-thiazolidine-2,4-dione (K145) as a selective sphingosine kinase-2 inhibitor and anticancer agent. *PLoS ONE*, **2013**, 8, e56471	3.7	59
201	Is tail vein injection a relevant breast cancer lung metastasis model?. *Journal of Thoracic Disease*, **2013**, 5, 385-92	2.6	61
200	Sphingosine-1-phosphate signaling in inflammation and cancer. *FASEB Journal*, **2013**, 27, 97.3	0.9	
199	Sphingosine-1-phosphate signaling and its role in disease. *Trends in Cell Biology*, **2012**, 22, 50-60	18.3	718
198	Conjugated bile acids activate the sphingosine-1-phosphate receptor 2 in primary rodent hepatocytes. *Hepatology*, **2012**, 55, 267-76	11.2	177
197	Lyn but not Fyn kinase controls IgG-mediated systemic anaphylaxis. *Journal of Immunology*, **2012**, 188, 4360-8	5.3	27
196	Innate immune agonist, dsRNA, induces apoptosis in ovarian cancer cells and enhances the potency of cytotoxic chemotherapeutics. *FASEB Journal*, **2012**, 26, 3188-98	0.9	26
195	Structure of the first sphingosine 1-phosphate receptor. *Science Signaling*, **2012**, 5, pe23	8.8	13
194	Copper dependence of angioproliferation in pulmonary arterial hypertension in rats and humans. *American Journal of Respiratory Cell and Molecular Biology*, **2012**, 46, 582-91	5.7	37
193	Sorafenib and pemetrexed toxicity in cancer cells is mediated via SRC-ERK signaling. *Cancer Biology and Therapy*, **2012**, 13, 793-803	4.6	24
192	Sphingosine-1-phosphate produced by sphingosine kinase 1 promotes breast cancer progression by stimulating angiogenesis and lymphangiogenesis. *Cancer Research*, **2012**, 72, 726-35	10.1	239
191	The outs and the ins of sphingosine-1-phosphate in immunity. *Nature Reviews Immunology*, **2011**, 11, 403-15	36.5	561
190	A novel role for mitochondrial sphingosine-1-phosphate produced by sphingosine kinase-2 in PTP-mediated cell survival during cardioprotection. *Basic Research in Cardiology*, **2011**, 106, 1341-53	11.8	57
189	Sphingosine-1-phosphate produced by sphingosine kinase 2 in mitochondria interacts with prohibitin 2 to regulate complex IV assembly and respiration. *FASEB Journal*, **2011**, 25, 600-12	0.9	256
188	A serotype 5/3 adenovirus expressing MDA-7/IL-24 infects renal carcinoma cells and promotes toxicity of agents that increase ROS and ceramide levels. *Molecular Pharmacology*, **2011**, 79, 368-80	4.3	23
187	Autophagy induced by deficiency of sphingosine-1-phosphate phosphohydrolase 1 is switched to apoptosis by calpain-mediated autophagy-related gene 5 (Atg5) cleavage. *Journal of Biological Chemistry*, **2011**, 286, 44380-90	5.4	64
186	Sphingosine-1-phosphate is a missing cofactor for the E3 ubiquitin ligase TRAF2. *Nature*, **2010**, 465, 1084-8	38.4	581

185	Essential roles of sphingosine-1-phosphate receptor 2 in human mast cell activation, anaphylaxis, and pulmonary edema. *Journal of Experimental Medicine*, **2010**, 207, 465-74	16.6	99
184	Vorinostat and sorafenib increase CD95 activation in gastrointestinal tumor cells through a Ca(2+)-de novo ceramide-PP2A-reactive oxygen species-dependent signaling pathway. *Cancer Research*, **2010**, 70, 6313-24	10.1	81
183	International Union of Basic and Clinical Pharmacology. LXXVIII. Lysophospholipid receptor nomenclature. *Pharmacological Reviews*, **2010**, 62, 579-87	22.5	271
182	Estradiol induces export of sphingosine 1-phosphate from breast cancer cells via ABCC1 and ABCG2. *Journal of Biological Chemistry*, **2010**, 285, 10477-86	5.4	196
181	PERK-dependent regulation of ceramide synthase 6 and thioredoxin play a key role in mda-7/IL-24-induced killing of primary human glioblastoma multiforme cells. *Cancer Research*, **2010** , 70, 1120-9	10.1	77
180	IL-4 and TGF-beta 1 counterbalance one another while regulating mast cell homeostasis. *Journal of Immunology*, **2010**, 184, 4688-95	5.3	32
179	Ceramide plays a prominent role in MDA-7/IL-24-induced cancer-specific apoptosis. *Journal of Cellular Physiology*, **2010**, 222, 546-55	7	49
178	Lysophosphatidic acid stimulates gastric cancer cell proliferation via ERK1-dependent upregulation of sphingosine kinase 1 transcription. *FEBS Letters*, **2010**, 584, 4077-82	3.8	23
177	Sphingosine Kinase 2 and S1P in the Nucleus Regulate Histone Acetylation by Inhibition of Histone Deacetylases. *FASEB Journal*, **2010**, 24, 690.2	0.9	1
176	Interleukin-1 regulates the expression of sphingosine kinase 1 in glioblastoma cells. *Journal of Biological Chemistry*, **2009**, 284, 3408-17	5.4	74
175	Sphingosine-1-phosphate induces development of functionally mature chymase-expressing human mast cells from hematopoietic progenitors. *FASEB Journal*, **2009**, 23, 3506-15	0.9	21
174	Targeting sphingosine kinase 1 inhibits Akt signaling, induces apoptosis, and suppresses growth of human glioblastoma cells and xenografts. *Cancer Research*, **2009**, 69, 6915-23	10.1	148
173	MDA-7/IL-24-induced cell killing in malignant renal carcinoma cells occurs by a ceramide/CD95/PERK-dependent mechanism. *Molecular Cancer Therapeutics*, **2009**, 8, 1280-91	6.1	37
172	Why is effective treatment of asthma so difficult? An integrated systems biology hypothesis of asthma. *Immunology and Cell Biology*, **2009**, 87, 601-5	5	7
171	Sphingosine-1-phosphate receptors mediate neuromodulatory functions in the CNS. *Journal of Neurochemistry*, **2009**, 110, 1191-202	6	43
170	Regulation of histone acetylation in the nucleus by sphingosine-1-phosphate. *Science*, **2009**, 325, 1254-7	33.3	734
169	Sphingosine-1-phosphate: the Swiss army knife of sphingolipid signaling. *Journal of Lipid Research*, **2009**, 50 Suppl, S272-6	6.3	97
168	The Outs and the Ins of the Pleiotropic Lipid Mediator Sphingosine-1-Phosphate. *FASEB Journal*, **2009**, 23, 87.1	0.9	

167	Regulation of Autophagy by Sphingosine-1-Phosphate Phosphohydrolase 1. *FASEB Journal*, **2009**, 23, 520.8	0.9	
166	Estradiol Stimulates Export of Sphingosine-1-Phosphate From MCF7 Breast Cancer Cells By Specific ABC Transporters. *FASEB Journal*, **2009**, 23, 520.7	0.9	
165	Involvement of sphingosine kinase in plant cell signalling. *Plant Journal*, **2008**, 56, 64-72	6.9	92
164	Cross-talk at the crossroads of sphingosine-1-phosphate, growth factors, and cytokine signaling. *Journal of Lipid Research*, **2008**, 49, 1388-94	6.3	61
163	Role of sphingosine-1-phosphate phosphohydrolase 1 in the regulation of resistance artery tone. *Circulation Research*, **2008**, 103, 315-24	15.7	60
162	Cross-talk between LPA1 and epidermal growth factor receptors mediates up-regulation of sphingosine kinase 1 to promote gastric cancer cell motility and invasion. *Cancer Research*, **2008**, 68, 6569-77	10.1	112
161	PERK-dependent regulation of MDA-7/IL-24-induced autophagy in primary human glioma cells. *Autophagy*, **2008**, 4, 513-5	10.2	48
160	Apoptosis induces expression of sphingosine kinase 1 to release sphingosine-1-phosphate as a "come-and-get-me" signal. *FASEB Journal*, **2008**, 22, 2629-38	0.9	239
159	OSU-03012 stimulates PKR-like endoplasmic reticulum-dependent increases in 70-kDa heat shock protein expression, attenuating its lethal actions in transformed cells. *Molecular Pharmacology*, **2008**, 73, 1168-84	4.3	66
158	Filamin A links sphingosine kinase 1 and sphingosine-1-phosphate receptor 1 at lamellipodia to orchestrate cell migration. *Molecular and Cellular Biology*, **2008**, 28, 5687-97	4.8	74
157	Sphingosine kinases and sphingosine-1-phosphate are critical for transforming growth factor beta-induced extracellular signal-regulated kinase 1 and 2 activation and promotion of migration and invasion of esophageal cancer cells. *Molecular and Cellular Biology*, **2008**, 28, 4142-51	4.8	69
156	Sphingosine-1-phosphate and interleukin-1 independently regulate plasminogen activator inhibitor-1 and urokinase-type plasminogen activator receptor expression in glioblastoma cells: implications for invasiveness. *Molecular Cancer Research*, **2008**, 6, 1469-77	6.6	44
155	Targeting SphK1 as a new strategy against cancer. *Current Drug Targets*, **2008**, 9, 662-73	3	258
154	Vorinostat and sorafenib increase ER stress, autophagy and apoptosis via ceramide-dependent CD95 and PERK activation. *Cancer Biology and Therapy*, **2008**, 7, 1648-62	4.6	142
153	Caspase-, cathepsin-, and PERK-dependent regulation of MDA-7/IL-24-induced cell killing in primary human glioma cells. *Molecular Cancer Therapeutics*, **2008**, 7, 297-313	6.1	65
152	"Inside-out" signaling of sphingosine-1-phosphate: therapeutic targets. *Pharmacological Reviews*, **2008**, 60, 181-95	22.5	555
151	Distinct roles of sphingosine kinases 1 and 2 in human mast-cell functions. *Blood*, **2008**, 111, 4193-200	2.2	106
150	A selective sphingosine kinase 1 inhibitor integrates multiple molecular therapeutic targets in human leukemia. *Blood*, **2008**, 112, 1382-91	2.2	198

149	The role of sphingosine-1-phosphate and its receptors in asthma. *Drug News and Perspectives*, **2008**, 21, 89-96		44
148	Sphingosine Kinase 2, an Evil Kinase?. *FASEB Journal*, **2008**, 22, 410.3	0.9	
147	Targeting sphingosine-1-phosphate receptors regulates in vitro and in vivo mast cell functions. *FASEB Journal*, **2008**, 22, 484-484	0.9	
146	Measurement of mammalian sphingosine-1-phosphate phosphohydrolase activity in vitro and in vivo. *Methods in Enzymology*, **2007**, 434, 243-56	1.7	11
145	Regulation of fibroblast functions by lysophospholipid mediators: potential roles in wound healing. *Wound Repair and Regeneration*, **2007**, 15, 607-16	3.6	90
144	The immunomodulator FTY720 has a direct cytoprotective effect in oligodendrocyte progenitors. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 323, 626-35	4.7	153
143	Sphingosine-1-phosphate and the immunosuppressant, FTY720-phosphate, regulate detrusor muscle tone. *FASEB Journal*, **2007**, 21, 2818-28	0.9	17
142	A rapid and sensitive method to measure secretion of sphingosine-1-phosphate. *Methods in Enzymology*, **2007**, 434, 257-64	1.7	14
141	Shooting the messenger: oxidative stress regulates sphingosine-1-phosphate. *Circulation Research*, **2007**, 100, 7-9	15.7	29
140	Involvement of sphingosine kinase 2 in p53-independent induction of p21 by the chemotherapeutic drug doxorubicin. *Cancer Research*, **2007**, 67, 10466-74	10.1	137
139	Functions of the multifaceted family of sphingosine kinases and some close relatives. *Journal of Biological Chemistry*, **2007**, 282, 2125-9	5.4	164
138	Recycling of sphingosine is regulated by the concerted actions of sphingosine-1-phosphate phosphohydrolase 1 and sphingosine kinase 2. *Journal of Biological Chemistry*, **2007**, 282, 34372-80	5.4	77
137	Sphingosine kinase type 2 activation by ERK-mediated phosphorylation. *Journal of Biological Chemistry*, **2007**, 282, 12058-65	5.4	118
136	The immunosuppressant drug FTY720 inhibits cytosolic phospholipase A2 independently of sphingosine-1-phosphate receptors. *Blood*, **2007**, 109, 1077-85	2.2	137
135	Autocrine and paracrine roles of sphingosine-1-phosphate. *Trends in Endocrinology and Metabolism*, **2007**, 18, 300-7	8.8	246
134	DNA polymerase beta catalytic efficiency mirrors the Asn279-dCTP H-bonding strength. *FEBS Letters*, **2007**, 581, 775-80	3.8	90
133	Sphingosine-1-Phosphate Induces Contraction of Floating and Stressed Fibroblast-Populated Collagen Matrices. *FASEB Journal*, **2007**, 21, A605	0.9	
132	The Role of ABC Transporters in Sphingosine-1-Phosphate Secretion. *FASEB Journal*, **2007**, 21, A604	0.9	1

131	Targeting sphingosine-1-phosphate: a novel avenue for cancer therapeutics. *Cancer Cell*, **2006**, 9, 148-50	24.3	105
130	Sphingosine kinase functionally links elevated transmural pressure and increased reactive oxygen species formation in resistance arteries. *FASEB Journal*, **2006**, 20, 702-4	0.9	54
129	Sphingosine-1-phosphate phosphohydrolase regulates endoplasmic reticulum-to-golgi trafficking of ceramide. *Molecular and Cellular Biology*, **2006**, 26, 5055-69	4.8	43
128	Neuropeptide Y induces migration, proliferation, and tube formation of endothelial cells bimodally via Y1, Y2, and Y5 receptors. *FASEB Journal*, **2006**, 20, 1924-6	0.9	105
127	The histone deacetylase inhibitor LAQ824 induces human leukemia cell death through a process involving XIAP down-regulation, oxidative injury, and the acid sphingomyelinase-dependent generation of ceramide. *Molecular Pharmacology*, **2006**, 69, 216-25	4.3	90
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