

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

308 papers	25,495 citations	88 h-index	153 g-index
335 ext. papers	28,895 ext. citations	8.8 avg, IF	7 L-index

#	Paper	IF	Citations
308	LPA receptors: subtypes and biological actions. <i>Annual Review of Pharmacology and Toxicology</i> , 2010 , 50, 157-86	17.9	633
307	Lysophospholipid receptors: signaling and biology. <i>Annual Review of Biochemistry</i> , 2004 , 73, 321-54	29.1	622
306	The lysophosphatidic acid receptor LPA1 links pulmonary fibrosis to lung injury by mediating fibroblast recruitment and vascular leak. <i>Nature Medicine</i> , 2008 , 14, 45-54	50.5	569
305	Neuronal subtypes and diversity revealed by single-nucleus RNA sequencing of the human brain. <i>Science</i> , 2016 , 352, 1586-90	33.3	531
304	Mechanism of action of oral fingolimod (FTY720) in multiple sclerosis. <i>Clinical Neuropharmacology</i> , 2010 , 33, 91-101	1.4	524
303	Sphingosine 1-phosphate (S1P) receptor subtypes S1P1 and S1P3, respectively, regulate lymphocyte recirculation and heart rate. <i>Journal of Biological Chemistry</i> , 2004 , 279, 13839-48	5.4	504
302	HDL induces NO-dependent vasorelaxation via the lysophospholipid receptor S1P3. <i>Journal of Clinical Investigation</i> , 2004 , 113, 569-581	15.9	487
301	FTY720 (fingolimod) efficacy in an animal model of multiple sclerosis requires astrocyte sphingosine 1-phosphate receptor 1 (S1P1) modulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 751-6	11.5	446
300	Integrative single-cell analysis of transcriptional and epigenetic states in the human adult brain. <i>Nature Biotechnology</i> , 2018 , 36, 70-80	44.5	433
299	LPA3-mediated lysophosphatidic acid signalling in embryo implantation and spacing. <i>Nature</i> , 2005 , 435, 104-8	50.4	419
298	Initiation of neuropathic pain requires lysophosphatidic acid receptor signaling. <i>Nature Medicine</i> , 2004 , 10, 712-8	50.5	416
297	LPA receptor signaling: pharmacology, physiology, and pathophysiology. <i>Journal of Lipid Research</i> , 2014 , 55, 1192-214	6.3	408
296	International Union of Pharmacology. XXXIV. Lysophospholipid receptor nomenclature. <i>Pharmacological Reviews</i> , 2002 , 54, 265-9	22.5	393
295	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2019 , 176 Suppl 1, S21-S141	8.6	391
294	GPR92 as a new G12/13- and Gq-coupled lysophosphatidic acid receptor that increases cAMP, LPA5. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23589-97	5.4	368
293	Lysophosphatidic acid receptors. <i>Molecular Pharmacology</i> , 2000 , 58, 1188-96	4.3	357
292	Lysophospholipid receptors. <i>Annual Review of Pharmacology and Toxicology</i> , 2001 , 41, 507-34	17.9	328

291	High-density lipoproteins and their constituent, sphingosine-1-phosphate, directly protect the heart against ischemia/reperfusion injury in vivo via the S1P3 lysophospholipid receptor. <i>Circulation</i> , 2006 , 114, 1403-9	16.7	324
290	Mice lacking methyl-CpG binding protein 1 have deficits in adult neurogenesis and hippocampal function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6777-82	11.5	314
289	Mechanisms of fingolimod efficacy and adverse effects in multiple sclerosis. <i>Annals of Neurology</i> , 2011 , 69, 759-77	9.4	286
288	Sphingosine kinase type 2 is a putative BH3-only protein that induces apoptosis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 40330-6	5.4	284
287	Characterization of lpa(2) (Edg4) and lpa(1)/lpa(2) (Edg2/Edg4) lysophosphatidic acid receptor knockout mice: signaling deficits without obvious phenotypic abnormality attributable to lpa(2). <i>Molecular and Cellular Biology</i> , 2002 , 22, 6921-9	4.8	276
286	Lysophosphatidic acid (LPA) receptors: signaling properties and disease relevance. <i>Prostaglandins and Other Lipid Mediators</i> , 2010 , 91, 130-8	3.7	272
285	International Union of Basic and Clinical Pharmacology. LXXVIII. Lysophospholipid receptor nomenclature. <i>Pharmacological Reviews</i> , 2010 , 62, 579-87	22.5	271
284	Characterizing transcriptional heterogeneity through pathway and gene set overdispersion analysis. <i>Nature Methods</i> , 2016 , 13, 241-4	21.6	257
283	Constitutional aneuploidy in the normal human brain. <i>Journal of Neuroscience</i> , 2005 , 25, 2176-80	6.6	251
282	T-bet-dependent S1P5 expression in NK cells promotes egress from lymph nodes and bone marrow. <i>Journal of Experimental Medicine</i> , 2009 , 206, 2469-81	16.6	242
281	Identification of a novel protein kinase A anchoring protein that binds both type I and type II regulatory subunits. <i>Journal of Biological Chemistry</i> , 1997 , 272, 8057-64	5.4	239
280	Dendritic cell PAR1-S1P3 signalling couples coagulation and inflammation. <i>Nature</i> , 2008 , 452, 654-8	50.4	236
279	Lysophospholipid G protein-coupled receptors. <i>Journal of Biological Chemistry</i> , 2004 , 279, 20555-8	5.4	233
278	Lysophosphatidic acid and autotaxin stimulate cell motility of neoplastic and non-neoplastic cells through LPA1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 17634-9	5.4	226
277	Selective loss of sphingosine 1-phosphate signaling with no obvious phenotypic abnormality in mice lacking its G protein-coupled receptor, LP(B3)/EDG-3. <i>Journal of Biological Chemistry</i> , 2001 , 276, 33697-704	5.4	218
276	Emerging medicinal roles for lysophospholipid signaling. <i>Trends in Molecular Medicine</i> , 2006 , 12, 65-75	11.5	216
275	Lysophospholipid receptor nomenclature review: IUPHAR Review 8. <i>British Journal of Pharmacology</i> , 2014 , 171, 3575-94	8.6	212
274	Non-proliferative effects of lysophosphatidic acid enhance cortical growth and folding. <i>Nature Neuroscience</i> , 2003 , 6, 1292-9	25.5	211

273	Lysophosphatidic acid (LPA) and its receptors. <i>Current Opinion in Pharmacology</i> , 2009 , 9, 15-23	5.1	206
272	Marked perinatal lethality and cellular signaling deficits in mice null for the two sphingosine 1-phosphate (S1P) receptors, S1P(2)/LP(B2)/EDG-5 and S1P(3)/LP(B3)/EDG-3. <i>Journal of Biological Chemistry</i> , 2002 , 277, 25152-9	5.4	204
271	Fingolimod: direct CNS effects of sphingosine 1-phosphate (S1P) receptor modulation and implications in multiple sclerosis therapy. <i>Journal of the Neurological Sciences</i> , 2013 , 328, 9-18	3.2	202
270	Sphingosine 1-phosphate receptor agonists attenuate relapsing-remitting experimental autoimmune encephalitis in SJL mice. <i>Journal of Neuroimmunology</i> , 2004 , 153, 108-21	3.5	202
269	Programmed cell death is a universal feature of embryonic and postnatal neuroproliferative regions throughout the central nervous system. <i>Journal of Comparative Neurology</i> , 1998 , 396, 39-50	3.4	192
268	HDL induces NO-dependent vasorelaxation via the lysophospholipid receptor S1P3. <i>Journal of Clinical Investigation</i> , 2004 , 113, 569-81	15.9	191
267	Massively parallel polymerase cloning and genome sequencing of single cells using nanoliter microwells. <i>Nature Biotechnology</i> , 2013 , 31, 1126-32	44.5	188
266	Lysophospholipids and their receptors in the central nervous system. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 20-32	5	185
265	Cell surface receptors in lysophospholipid signaling. <i>Seminars in Cell and Developmental Biology</i> , 2004 , 15, 457-65	7.5	175
264	Functional comparisons of the lysophosphatidic acid receptors, LP(A1)/VZG-1/EDG-2, LP(A2)/EDG-4, and LP(A3)/EDG-7 in neuronal cell lines using a retrovirus expression system. <i>Molecular Pharmacology</i> , 2000 , 58, 895-902	4.3	172
263	LPA1 receptor activation promotes renal interstitial fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2007 , 18, 3110-8	12.7	167
262	Lysophosphatidic Acid signaling in the nervous system. <i>Neuron</i> , 2015 , 85, 669-82	13.9	164
261	Lysophosphatidic acid receptor gene vzg-1/lpA1/edg-2 is expressed by mature oligodendrocytes during myelination in the postnatal murine brain. <i>Journal of Comparative Neurology</i> , 1998 , 398, 587-598	3.4	153
260	Lysophosphatidic acid (LPA) is a novel extracellular regulator of cortical neuroblast morphology. <i>Developmental Biology</i> , 2000 , 228, 6-18	3.1	149
259	Regulation of Schwann cell morphology and adhesion by receptor-mediated lysophosphatidic acid signaling. <i>Journal of Neuroscience</i> , 2001 , 21, 7069-78	6.6	148
258	Lipoprotein-derived lysophosphatidic acid promotes atherosclerosis by releasing CXCL1 from the endothelium. <i>Cell Metabolism</i> , 2011 , 13, 592-600	24.6	146
257	Sphingosine-1-phosphate stimulates the functional capacity of progenitor cells by activation of the CXCR4-dependent signaling pathway via the S1P3 receptor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 275-82	9.4	146
256	Lysophospholipid receptors in drug discovery. <i>Experimental Cell Research</i> , 2015 , 333, 171-177	4.2	144

255	A growing family of receptor genes for lysophosphatidic acid (LPA) and other lysophospholipids (LPs). <i>Cell Biochemistry and Biophysics</i> , 1999 , 30, 213-42	3.2	141
254	LPA(4)/GPR23 is a lysophosphatidic acid (LPA) receptor utilizing G(s)-, G(q)/G(i)-mediated calcium signaling and G(12/13)-mediated Rho activation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 4310-4317	5.4	135
253	Somatic APP gene recombination in Alzheimer's disease and normal neurons. <i>Nature</i> , 2018 , 563, 639-645	50.4	134
252	Amelioration of dermal fibrosis by genetic deletion or pharmacologic antagonism of lysophosphatidic acid receptor 1 in a mouse model of scleroderma. <i>Arthritis and Rheumatism</i> , 2011 , 63, 1405-15		133
251	Novel dendritic kinesin sorting identified by different process targeting of two related kinesins: KIF21A and KIF21B. <i>Journal of Cell Biology</i> , 1999 , 145, 469-79	7.3	131
250	A mechanistically novel, first oral therapy for multiple sclerosis: the development of fingolimod (FTY720, Gilenya). <i>Discovery Medicine</i> , 2011 , 12, 213-28	2.5	131
249	Comparative analysis of three murine G-protein coupled receptors activated by sphingosine-1-phosphate. <i>Gene</i> , 1999 , 227, 89-99	3.8	130
248	Crystal Structure of Antagonist Bound Human Lysophosphatidic Acid Receptor 1. <i>Cell</i> , 2015 , 161, 1633-43	36.2	129
247	Sphingosine kinase type 1 induces G12/13-mediated stress fiber formation, yet promotes growth and survival independent of G protein-coupled receptors. <i>Journal of Biological Chemistry</i> , 2003 , 278, 46451-60	51.60	126
246	Lysophosphatidic acid influences the morphology and motility of young, postmitotic cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2002 , 20, 271-82	4.8	125
245	Ser18 and 23 phosphorylation is required for p53-dependent apoptosis and tumor suppression. <i>EMBO Journal</i> , 2006 , 25, 2615-22	13	122
244	Prolonged exposure to sphingosine 1-phosphate receptor-1 agonists exacerbates vascular leak, fibrosis, and mortality after lung injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010 , 43, 662-73	5.7	120
243	HDL-associated lysosphingolipids inhibit NAD(P)H oxidase-dependent monocyte chemoattractant protein-1 production. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1542-8	9.4	120
242	Lysophosphatidic acid inhibits adipocyte differentiation via lysophosphatidic acid 1 receptor-dependent down-regulation of peroxisome proliferator-activated receptor gamma2. <i>Journal of Biological Chemistry</i> , 2005 , 280, 14656-62	5.4	120
241	Apoptotic DNA fragmentation is detected by a semi-quantitative ligation-mediated PCR of blunt DNA ends. <i>Cell Death and Differentiation</i> , 1997 , 4, 66-75	12.7	119
240	The S1P2 receptor negatively regulates platelet-derived growth factor-induced motility and proliferation. <i>Molecular and Cellular Biology</i> , 2005 , 25, 4237-49	4.8	117
239	A comparative strategy for single-nucleus and single-cell transcriptomes confirms accuracy in predicted cell-type expression from nuclear RNA. <i>Scientific Reports</i> , 2017 , 7, 6031	4.9	115
238	Immunomodulator FTY720 Induces eNOS-dependent arterial vasodilatation via the lysophospholipid receptor S1P3. <i>Circulation Research</i> , 2005 , 96, 913-20	15.7	114

237	S1P3 receptor-induced reorganization of epithelial tight junctions compromises lung barrier integrity and is potentiated by TNF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9270-5	11.5	114
236	Lysophosphatidic acid as a novel cell survival/apoptotic factor. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002 , 1585, 108-13	5	112
235	LPA1-induced cytoskeleton reorganization drives fibrosis through CTGF-dependent fibroblast proliferation. <i>FASEB Journal</i> , 2013 , 27, 1830-46	0.9	110
234	S1P3-mediated cardiac fibrosis in sphingosine kinase 1 transgenic mice involves reactive oxygen species. <i>Cardiovascular Research</i> , 2010 , 85, 484-93	9.9	109
233	Insights into the pharmacological relevance of lysophospholipid receptors. <i>British Journal of Pharmacology</i> , 2012 , 165, 829-44	8.6	108
232	Absence of LPA1 signaling results in defective cortical development. <i>Cerebral Cortex</i> , 2008 , 18, 938-50	5.1	107
231	Lysophosphatidic acid signaling may initiate fetal hydrocephalus. <i>Science Translational Medicine</i> , 2011 , 3, 99ra87	17.5	105
230	Biological roles of lysophospholipid receptors revealed by genetic null mice: an update. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008 , 1781, 531-9	5	103
229	Synaptic PRG-1 modulates excitatory transmission via lipid phosphate-mediated signaling. <i>Cell</i> , 2009 , 138, 1222-35	56.2	100
228	Sphingosine 1-phosphate (S1P) signaling is required for maintenance of hair cells mainly via activation of S1P2. <i>Journal of Neuroscience</i> , 2007 , 27, 1474-8	6.6	99
227	Chromosome segregation defects contribute to aneuploidy in normal neural progenitor cells. <i>Journal of Neuroscience</i> , 2003 , 23, 10454-62	6.6	99
226	The LPA receptors. <i>Prostaglandins and Other Lipid Mediators</i> , 2001 , 64, 21-32	3.7	97
225	High-density lipoprotein stimulates myocardial perfusion in vivo. <i>Circulation</i> , 2004 , 110, 3355-9	16.7	96
224	Alteration of gene expression by chromosome loss in the postnatal mouse brain. <i>Journal of Neuroscience</i> , 2003 , 23, 5599-606	6.6	94
223	Sphingosine 1-phosphate regulates regeneration and fibrosis after liver injury via sphingosine 1-phosphate receptor 2. <i>Journal of Lipid Research</i> , 2009 , 50, 556-564	6.3	93
222	Expression and function of lysophosphatidic acid receptors in cultured rodent microglial cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 25946-52	5.4	93
221	The lysophosphatidic acid receptor LPA1 promotes epithelial cell apoptosis after lung injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012 , 46, 355-64	5.7	90
220	Autotaxin, a synthetic enzyme of lysophosphatidic acid (LPA), mediates the induction of nerve-injured neuropathic pain. <i>Molecular Pain</i> , 2008 , 4, 6	3.4	88

219	Deletion of lysophosphatidic acid receptor LPA1 reduces neurogenesis in the mouse dentate gyrus. <i>Molecular and Cellular Neurosciences</i> , 2008 , 39, 342-55	4.8	88
218	Lysophosphatidic acid signalling in development. <i>Development (Cambridge)</i> , 2015 , 142, 1390-5	6.6	87
217	Genomic mosaicism with increased amyloid precursor protein (APP) gene copy number in single neurons from sporadic Alzheimer's disease brains. <i>ELife</i> , 2015 , 4,	8.9	87
216	Autotaxin production of lysophosphatidic acid mediates allergic asthmatic inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 928-40	10.2	85
215	Targeted deletion of LPA5 identifies novel roles for lysophosphatidic acid signaling in development of neuropathic pain. <i>Journal of Biological Chemistry</i> , 2012 , 287, 17608-17617	5.4	85
214	Embryonic brain expression analysis of lysophospholipid receptor genes suggests roles for s1p(1) in neurogenesis and s1p(1-3) in angiogenesis. <i>FEBS Letters</i> , 2002 , 531, 103-8	3.8	85
213	Pharmacological characterization of lysophospholipid receptor signal transduction pathways in rat cerebrocortical astrocytes. <i>Brain Research</i> , 2003 , 990, 182-94	3.7	84
212	Promising pharmacological directions in the world of lysophosphatidic Acid signaling. <i>Biomolecules and Therapeutics</i> , 2015 , 23, 1-11	4.2	82
211	Neuronal DNA content variation (DCV) with regional and individual differences in the human brain. <i>Journal of Comparative Neurology</i> , 2010 , 518, 3981-4000	3.4	78
210	Lysophospholipid receptors as potential drug targets in tissue transplantation and autoimmune diseases. <i>Current Pharmaceutical Design</i> , 2006 , 12, 161-71	3.3	78
209	Immunomodulator FTY720 induces myofibroblast differentiation via the lysophospholipid receptor S1P3 and Smad3 signaling. <i>American Journal of Pathology</i> , 2007 , 170, 281-92	5.8	76
208	In vivo roles of lysophospholipid receptors revealed by gene targeting studies in mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002 , 1582, 197-203	5	76
207	Embryo spacing and implantation timing are differentially regulated by LPA3-mediated lysophosphatidic acid signaling in mice. <i>Biology of Reproduction</i> , 2007 , 77, 954-9	3.9	75
206	Lysophosphatidic acid (LPA) signaling in vertebrate reproduction. <i>Trends in Endocrinology and Metabolism</i> , 2010 , 21, 17-24	8.8	74
205	Decreased apoptosis in proliferative and postmitotic regions of the caspase 3-deficient embryonic central nervous system. <i>Journal of Comparative Neurology</i> , 2000 , 423, 1-12	3.4	74
204	The neurobiology of sphingosine 1-phosphate signaling and sphingosine 1-phosphate receptor modulators. <i>Neurology</i> , 2011 , 76, S9-14	6.5	73
203	The mouse lp(A3)/Edg7 lysophosphatidic acid receptor gene: genomic structure, chromosomal localization, and expression pattern. <i>Gene</i> , 2001 , 267, 243-53	3.8	73
202	Lysophosphatidic acid stimulates neurotransmitter-like conductance changes that precede GABA and L-glutamate in early, presumptive cortical neuroblasts. <i>Journal of Neuroscience</i> , 1999 , 19, 1371-81	6.6	73

201	The genomically mosaic brain: aneuploidy and more in neural diversity and disease. <i>Seminars in Cell and Developmental Biology</i> , 2013 , 24, 357-69	7.5	72
200	Lysophosphatidic acid receptors 1 and 2 play roles in regulation of vascular injury responses but not blood pressure. <i>Circulation Research</i> , 2008 , 103, 662-70	15.7	70
199	Lysophosphatidic acid receptor-dependent secondary effects via astrocytes promote neuronal differentiation. <i>Journal of Biological Chemistry</i> , 2008 , 283, 7470-9	5.4	70
198	Aneuploid mosaicism in the developing and adult cerebellar cortex. <i>Journal of Comparative Neurology</i> , 2008 , 507, 1944-51	3.4	70
197	The sphingosine 1-phosphate receptor S1P2 triggers hepatic wound healing. <i>FASEB Journal</i> , 2007 , 21, 2005-13	0.9	70
196	Rearranging views on neurogenesis: neuronal death in the absence of DNA end-joining proteins. <i>Neuron</i> , 1999 , 22, 7-10	13.9	70
195	Lysophospholipid receptors: implications for neural signaling. <i>Critical Reviews in Neurobiology</i> , 1999 , 13, 151-68		70
194	Activation of Lysophosphatidic Acid Receptor Type 1 Contributes to Pathophysiology of Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2015 , 35, 10224-35	6.6	69
193	Exploratory, anxiety and spatial memory impairments are dissociated in mice lacking the LPA1 receptor. <i>Neurobiology of Learning and Memory</i> , 2010 , 94, 73-82	3.1	68
192	The sphingosine-1-phosphate (S1P) lysophospholipid receptor S1P3 regulates MAdCAM-1+ endothelial cells in splenic marginal sinus organization. <i>Journal of Experimental Medicine</i> , 2004 , 200, 1491-501	16.6	67
191	S1P1 receptor localization confers selectivity for Gi-mediated cAMP and contractile responses. <i>Journal of Biological Chemistry</i> , 2008 , 283, 11954-63	5.4	65
190	Lysophosphatidic acid in neural signaling. <i>NeuroReport</i> , 2002 , 13, 2169-75	1.7	64
189	Clonal cell lines produced by infection of neocortical neuroblasts using multiple oncogenes transduced by retroviruses. <i>Molecular and Cellular Neurosciences</i> , 1996 , 7, 304-21	4.8	63
188	Lysophosphatidic acid stimulates astrocyte proliferation through LPA1. <i>Neurochemistry International</i> , 2008 , 52, 216-20	4.4	61
187	Age-dependent loss of sperm production in mice via impaired lysophosphatidic acid signaling. <i>Biology of Reproduction</i> , 2008 , 79, 328-36	3.9	60
186	LPA3 receptor mediates chemotaxis of immature murine dendritic cells to unsaturated lysophosphatidic acid (LPA). <i>Journal of Leukocyte Biology</i> , 2007 , 82, 1193-200	6.5	60
185	Genomic characterization of the lysophosphatidic acid receptor gene, lp(A2)/Edg4, and identification of a frameshift mutation in a previously characterized cDNA. <i>Genomics</i> , 2000 , 64, 155-69	4.3	60
184	Autotaxin and lysophosphatidic acid1 receptor-mediated demyelination of dorsal root fibers by sciatic nerve injury and intrathecal lysophosphatidylcholine. <i>Molecular Pain</i> , 2010 , 6, 78	3.4	59

183	Lysophosphatidic acid receptor-2 deficiency confers protection against bleomycin-induced lung injury and fibrosis in mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 49, 912-22	5.7	58
182	Sphingosine 1-phosphate receptor 3 and RhoA signaling mediate inflammatory gene expression in astrocytes. <i>Journal of Neuroinflammation</i> , 2017 , 14, 111	10.1	57
181	Lysophosphatidic acid-3 receptor-mediated feed-forward production of lysophosphatidic acid: an initiator of nerve injury-induced neuropathic pain. <i>Molecular Pain</i> , 2009 , 5, 64	3.4	57
180	Lysophosphatidic acid stimulates neuronal differentiation of cortical neuroblasts through the LPA1-G(i/o) pathway. <i>Neurochemistry International</i> , 2007 , 50, 302-7	4.4	57
179	Genomic mosaicism in the developing and adult brain. <i>Developmental Neurobiology</i> , 2018 , 78, 1026-1048	3.2	56
178	Necessity of lysophosphatidic acid receptor 1 for development of arthritis. <i>Arthritis and Rheumatism</i> , 2013 , 65, 2037-47		55
177	Absence of the lysophosphatidic acid receptor LPA1 results in abnormal bone development and decreased bone mass. <i>Bone</i> , 2011 , 49, 395-403	4.7	54
176	Signaling mechanisms responsible for lysophosphatidic acid-induced urokinase plasminogen activator expression in ovarian cancer cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 10564-71	5.4	54
175	Normal human pluripotent stem cell lines exhibit pervasive mosaic aneuploidy. <i>PLoS ONE</i> , 2011 , 6, e23018	3.7	53
174	Failed clearance of aneuploid embryonic neural progenitor cells leads to excess aneuploidy in the Atm-deficient but not the Trp53-deficient adult cerebral cortex. <i>Journal of Neuroscience</i> , 2004 , 24, 8090-6	6.6	53
173	Dual regulation of actin rearrangement through lysophosphatidic acid receptor in neuroblast cell lines: actin depolymerization by Ca(2+)-alpha-actinin and polymerization by rho. <i>Molecular Biology of the Cell</i> , 2002 , 13, 2692-705	3.5	53
172	Aggravation of chronic stress effects on hippocampal neurogenesis and spatial memory in LPA \square receptor knockout mice. <i>PLoS ONE</i> , 2011 , 6, e25522	3.7	52
171	Lysophosphatidic acid (LPA) and its receptor, LPA1, influence embryonic schwann cell migration, myelination, and cell-to-axon segregation. <i>Glia</i> , 2013 , 61, 2009-22	9	48
170	Lysophosphatidic acid in vascular development and disease. <i>IUBMB Life</i> , 2009 , 61, 791-9	4.7	48
169	Stereotyped fetal brain disorganization is induced by hypoxia and requires lysophosphatidic acid receptor 1 (LPA1) signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15444-9	11.5	48
168	Gradients of the signaling lipid S1P in lymph nodes position natural killer cells and regulate their interferon- γ response. <i>Nature Immunology</i> , 2017 , 18, 15-25	19.1	47
167	Neurological S1P signaling as an emerging mechanism of action of oral FTY720 (fingolimod) in multiple sclerosis. <i>Archives of Pharmacal Research</i> , 2010 , 33, 1567-74	6.1	47
166	Complete cDNA sequence, genomic structure, and chromosomal localization of the LPA receptor gene, lpA1/vzg-1/Gpcr26. <i>Genomics</i> , 1998 , 51, 364-78	4.3	47

165	Aneuploid cells are differentially susceptible to caspase-mediated death during embryonic cerebral cortical development. <i>Journal of Neuroscience</i> , 2012 , 32, 16213-22	6.6	46
164	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2021 , 178 Suppl 1, S27-S156	8.6	46
163	Involvement of the ABC-transporter ABCC1 and the sphingosine 1-phosphate receptor subtype S1P(3) in the cytoprotection of human fibroblasts by the glucocorticoid dexamethasone. <i>Journal of Molecular Medicine</i> , 2009 , 87, 645-57	5.5	45
162	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021 , 598, 86-102	50.4	44
161	Identification of Sphingosine 1-Phosphate Receptor Subtype 1 (S1P) as a Pathogenic Factor in Transient Focal Cerebral Ischemia. <i>Molecular Neurobiology</i> , 2018 , 55, 2320-2332	6.2	43
160	Diversity of lysophosphatidic acid receptor-mediated intracellular calcium signaling in early cortical neurogenesis. <i>Journal of Neuroscience</i> , 2010 , 30, 7300-9	6.6	42
159	Lysophospholipids in the nervous system. <i>Prostaglandins and Other Lipid Mediators</i> , 2005 , 77, 46-51	3.7	42
158	Platelet and Erythrocyte Sources of S1P Are Redundant for Vascular Development and Homeostasis, but Both Rendered Essential After Plasma S1P Depletion in Anaphylactic Shock. <i>Circulation Research</i> , 2016 , 119, e110-26	15.7	42
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