Jerold Chun

List of Publications by Year in Descending Order

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	S1P/S1PR3 signalling axis protects against obesity-induced metabolic dysfunction.. *Adipocyte*, **2022**, 11, 69-83	3.2	1
307	Ponesimod inhibits astrocyte-mediated neuroinflammation and protects against cingulum demyelination via S1P -selective modulation.. *FASEB Journal*, **2022**, 36, e22132	0.9	1
306	Differential activation mechanisms of lipid GPCRs by lysophosphatidic acid and sphingosine 1-phosphate.. *Nature Communications*, **2022**, 13, 731	17.4	1
305	Pain-like behavior in the collagen antibody-induced arthritis model is regulated by lysophosphatidic acid and activation of satellite glia cells.. *Brain, Behavior, and Immunity*, **2022**, 101, 214-230	16.6	1
304	Sphingosine 1-phosphate receptor 5 (S1PR5) regulates the peripheral retention of tissue-resident lymphocytes. *Journal of Experimental Medicine*, **2022**, 219,	16.6	11
303	Sphingosine 1-Phosphate Receptor 5 (S1P) Knockout Ameliorates Adenine-Induced Nephropathy.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
302	Lysophosphatidic Acid Receptor 3 Suppress Neutrophil Extracellular Traps Production and Thrombosis During Sepsis.. *Frontiers in Immunology*, **2022**, 13, 844781	8.4	1
301	Visualization of Defined Gene Sequences in Single Nuclei by DNA In Situ Hybridization (DISH). *Neuromethods*, **2022**, 245-256	0.4	
300	Altered cell and RNA isoform diversity in aging Down syndrome brains. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
299	Generation of an Lpar1-EGFP Fusion Knock-in Transgenic Mouse Line. *Cell Biochemistry and Biophysics*, **2021**, 79, 619-627	3.2	
298	Comparative cellular analysis of motor cortex in human, marmoset and mouse. *Nature*, **2021**, 598, 111-119	50.4	31
297	A multimodal cell census and atlas of the mammalian primary motor cortex. *Nature*, **2021**, 598, 86-102	50.4	44
296	Deletion of Sphingosine 1-Phosphate receptor 1 in cardiomyocytes during development leads to abnormal ventricular conduction and fibrosis. *Physiological Reports*, **2021**, 9, e15060	2.6	0
295	GABAergic deficits in absence of LPA receptor, associated anxiety-like and coping behaviors, and amelioration by interneuron precursor transplants into the dorsal hippocampus. *Brain Structure and Function*, **2021**, 226, 1479-1495	4	1
294	S1P-GS Signaling Controls Astrocytic Glutamate Uptake and Mitochondrial Oxygen Consumption. *ENeuro*, **2021**, 8,	3.9	2
293	Lysophosphatidic acid (LPA)-antibody (504B3) engagement detected by interferometry identifies off-target binding. *Lipids in Health and Disease*, **2021**, 20, 32	4.4	1
292	Genomic Mosaicism Formed by Somatic Variation in the Aging and Diseased Brain. *Genes*, **2021**, 12,	4.2	3

291	Chronic central modulation of LPA/LPA receptors-signaling pathway in the mouse brain regulates cognition, emotion, and hippocampal neurogenesis. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2021**, 108, 110156	5.5	3
290	Endothelial S1P Signaling Counteracts Infarct Expansion in Ischemic Stroke. *Circulation Research*, **2021**, 128, 363-382	15.7	22
289	Sphingosine 1-phosphate Receptor Modulator Therapy for Multiple Sclerosis: Differential Downstream Receptor Signalling and Clinical Profile Effects. *Drugs*, **2021**, 81, 207-231	12.1	26
288	Activation of Macrophages by Lysophosphatidic Acid through the Lysophosphatidic Acid Receptor 1 as a Novel Mechanism in Multiple Sclerosis Pathogenesis. *Molecular Neurobiology*, **2021**, 58, 470-482	6.2	8
287	LPA signaling acts as a cell-extrinsic mechanism to initiate cilia disassembly and promote neurogenesis. *Nature Communications*, **2021**, 12, 662	17.4	9
286	Dual Role of Lysophosphatidic Acid Receptor 2 (LPA) in Amyotrophic Lateral Sclerosis. *Frontiers in Cellular Neuroscience*, **2021**, 15, 600872	6.1	1
285	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G protein-coupled receptors. *British Journal of Pharmacology*, **2021**, 178 Suppl 1, S27-S156	8.6	46
284	Mosaic Somatic Gene Recombination as a Potentially Unifying Hypothesis for Alzheimer's Disease. *Frontiers in Genetics*, **2020**, 11, 390	4.5	9
283	Unlabeled lysophosphatidic acid receptor binding in free solution as determined by a compensated interferometric reader. *Journal of Lipid Research*, **2020**, 61, 1244-1251	6.3	5
282	Expression of the type 1 lysophosphatidic acid receptor in osteoblastic cell lineage controls both bone mineralization and osteocyte specification. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2020**, 1865, 158715	5	3
281	Glycerol-3-phosphate is an FGF23 regulator derived from the injured kidney. *Journal of Clinical Investigation*, **2020**, 130, 1513-1526	15.9	36
280	A Novel Agonist of the Type 1 Lysophosphatidic Acid Receptor (LPA), UCM-05194, Shows Efficacy in Neuropathic Pain Amelioration. *Journal of Medicinal Chemistry*, **2020**, 63, 2372-2390	8.3	13
279	Brain cell somatic gene recombination and its phylogenetic foundations. *Journal of Biological Chemistry*, **2020**, 295, 12786-12795	5.4	7
278	LPA-mediated lysophosphatidic acid signaling promotes postnatal heart regeneration in mice. *Theranostics*, **2020**, 10, 10892-10907	12.1	5
277	Reply to: APP gene copy number changes reflect exogenous contamination. *Nature*, **2020**, 584, E29-E33	50.4	5
276	Conditional Lpar1 gene targeting identifies cell types mediating neuropathic pain. *FASEB Journal*, **2020**, 34, 8833-8842	0.9	6
275	Altered cleavage plane orientation with increased genomic aneuploidy produced by receptor-mediated lysophosphatidic acid (LPA) signaling in mouse cerebral cortical neural progenitor cells. *Molecular Brain*, **2020**, 13, 169	4.5	3
274	Abrogation of lysophosphatidic acid receptor 1 ameliorates murine vasculitis. *Arthritis Research and Therapy*, **2019**, 21, 191	5.7	10

273	Mosaic Gene Recombination in Alzheimer's Disease-What's Next?. *Journal of Experimental Neuroscience*, **2019**, 13, 1179069519849669	3.6	7
272	Molecular mechanism of lysophosphatidic acid-induced hypertensive response. *Scientific Reports*, **2019**, 9, 2662	4.9	19
271	LPA , LPA , LPA , and LPA receptor expression during mouse brain development. *Developmental Dynamics*, **2019**, 248, 375-395	2.9	26
270	Effects of the LPA Receptor Deficiency and Stress on the Hippocampal LPA Species in Mice. *Frontiers in Molecular Neuroscience*, **2019**, 12, 146	6.1	7
269	CB and LPA Receptors Relationship in the Mouse Central Nervous System. *Frontiers in Molecular Neuroscience*, **2019**, 12, 223	6.1	8
268	LPA overactivation induces neonatal posthemorrhagic hydrocephalus through ependymal loss and ciliary dysfunction. *Science Advances*, **2019**, 5, eaax2011	14.3	13
267	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G protein-coupled receptors. *British Journal of Pharmacology*, **2019**, 176 Suppl 1, S21-S141	8.6	391
266	HeLa E-Box Binding Protein, HEB, Inhibits Promoter Activity of the Lysophosphatidic Acid Receptor Gene in Neocortical Neuroblast Cells. *Molecules and Cells*, **2019**, 42, 123-134	3.5	1
265	Murine platelet production is suppressed by S1P release in the hematopoietic niche, not facilitated by blood S1P sensing. *Blood Advances*, **2019**, 3, 1702-1713	7.8	6
264	Lysophospholipid G protein-coupled receptor binding parameters as determined by backscattering interferometry. *Journal of Lipid Research*, **2019**, 60, 212-217	6.3	10
263	Fingolimod: Lessons Learned and New Opportunities for Treating Multiple Sclerosis and Other Disorders. *Annual Review of Pharmacology and Toxicology*, **2019**, 59, 149-170	17.9	41
262	Lysophosphatidic acid receptor type 2 activation contributes to secondary damage after spinal cord injury in mice. *Brain, Behavior, and Immunity*, **2019**, 76, 258-267	16.6	15
261	Identification of Sphingosine 1-Phosphate Receptor Subtype 1 (S1P) as a Pathogenic Factor in Transient Focal Cerebral Ischemia. *Molecular Neurobiology*, **2018**, 55, 2320-2332	6.2	43
260	Effects of genetic deletion versus pharmacological blockade of the LPA receptor on depression-like behaviour and related brain functional activity. *DMM Disease Models and Mechanisms*, **2018**, 11,	4.1	9
259	Genomic mosaicism in the developing and adult brain. *Developmental Neurobiology*, **2018**, 78, 1026-1048	3.2	56
258	The Autotaxin-Lysophosphatidic Acid Axis Promotes Lung Carcinogenesis. *Cancer Research*, **2018**, 78, 3634-3644	10.1	27
257	A Functionally Defined Astrocyte Population Identified by c-Fos Activation in a Mouse Model of Multiple Sclerosis Modulated by S1P Signaling: Immediate-Early Astrocytes (). *ENeuro*, **2018**, 5,	3.9	25
256	Integrative single-cell analysis of transcriptional and epigenetic states in the human adult brain. *Nature Biotechnology*, **2018**, 36, 70-80	44.5	433

255	Somatic APP gene recombination in Alzheimer's disease and normal neurons. *Nature*, **2018**, 563, 639-645	50.4	134
254	Submegabase copy number variations arise during cerebral cortical neurogenesis as revealed by single-cell whole-genome sequencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 10804-10809	11.5	29
253	Lysophosphatidic acid and its receptor LPA mediate carrageenan induced inflammatory pain in mice. *European Journal of Pharmacology*, **2018**, 841, 49-56	5.3	13
252	RCrystalRClear? Lysophospholipid Receptor Structure Insights and Controversies. *Trends in Pharmacological Sciences*, **2018**, 39, 953-966	13.2	19
251	LPA receptor-mediated thromboxane A release is responsible for lysophosphatidic acid-induced vascular smooth muscle contraction. *FASEB Journal*, **2017**, 31, 1547-1555	0.9	14
250	Sphingosine 1-phosphate receptor 3 and RhoA signaling mediate inflammatory gene expression in astrocytes. *Journal of Neuroinflammation*, **2017**, 14, 111	10.1	57
249	Autotaxin-lysophosphatidic acid-LPA signaling at the embryo-epithelial boundary controls decidualization pathways. *EMBO Journal*, **2017**, 36, 2146-2160	13	29
248	Selective coupling of the S1P receptor subtype to S1P-mediated RhoA activation and cardioprotection. *Journal of Molecular and Cellular Cardiology*, **2017**, 103, 1-10	5.8	22
247	Lysophosphatidic acid signaling through its receptor initiates profibrotic epithelial cell fibroblast communication mediated by epithelial cell derived connective tissue growth factor. *Kidney International*, **2017**, 91, 628-641	9.9	31
246	Synaptic Phospholipid Signaling Modulates Axon Outgrowth via Glutamate-dependent Ca2+-mediated Molecular Pathways. *Cerebral Cortex*, **2017**, 27, 131-145	5.1	7
245	CD14 is a key mediator of both lysophosphatidic acid and lipopolysaccharide induction of foam cell formation. *Journal of Biological Chemistry*, **2017**, 292, 14391-14400	5.4	15
244	A comparative strategy for single-nucleus and single-cell transcriptomes confirms accuracy in predicted cell-type expression from nuclear RNA. *Scientific Reports*, **2017**, 7, 6031	4.9	115
243	Gradients of the signaling lipid S1P in lymph nodes position natural killer cells and regulate their interferon-□response. *Nature Immunology*, **2017**, 18, 15-25	19.1	47
242	Protective Role for LPA in Cardiac Hypertrophy Induced by Myocardial Infarction but Not by Isoproterenol. *Frontiers in Physiology*, **2017**, 8, 356	4.6	10
241	ATX-LPA1 axis contributes to proliferation of chondrocytes by regulating fibronectin assembly leading to proper cartilage formation. *Scientific Reports*, **2016**, 6, 23433	4.9	19
240	Neuronal subtypes and diversity revealed by single-nucleus RNA sequencing of the human brain. *Science*, **2016**, 352, 1586-90	33.3	531
239	Carboxyl terminus-truncated □1D-adrenoceptors inhibit the ERK pathway. *Naunyn-Schmiedebergis Archives of Pharmacology*, **2016**, 389, 911-20	3.4	4
238	Lysophosphatidic Acid Signaling through the Lysophosphatidic Acid-1 Receptor Is Required for Alveolarization. *American Journal of Respiratory Cell and Molecular Biology*, **2016**, 55, 105-16	5.7	15

237	Characterizing transcriptional heterogeneity through pathway and gene set overdispersion analysis. *Nature Methods*, **2016**, 13, 241-4	21.6	257
236	Biological Effects of Naturally Occurring Sphingolipids, Uncommon Variants, and Their Analogs. *NeuroMolecular Medicine*, **2016**, 18, 396-414	4.6	20
235	Sphingosine-1-Phosphate Receptor 1 Regulates Cardiac Function by Modulating Ca2+ Sensitivity and Na+/H+ Exchange and Mediates Protection by Ischemic Preconditioning. *Journal of the American Heart Association*, **2016**, 5,	6	35
234	Sphingosine 1-phosphate receptor 2 (S1P2) attenuates reactive oxygen species formation and inhibits cell death: implications for otoprotective therapy. *Scientific Reports*, **2016**, 6, 24541	4.9	34
233	Platelet and Erythrocyte Sources of S1P Are Redundant for Vascular Development and Homeostasis, but Both Rendered Essential After Plasma S1P Depletion in Anaphylactic Shock. *Circulation Research*, **2016**, 119, e110-26	15.7	42
232	Sphingosine 1-phosphate receptor-1 in cardiomyocytes is required for normal cardiac development. *Developmental Biology*, **2016**, 418, 157-165	3.1	31
231	Crystal Structure of Antagonist Bound Human Lysophosphatidic Acid Receptor 1. *Cell*, **2015**, 161, 1633-43	36.2	129
230	Genetic and Functional Evidence Supports LPAR1 as a Susceptibility Gene for Hypertension. *Hypertension*, **2015**, 66, 641-6	8.5	13
229	Activation of Lysophosphatidic Acid Receptor Type 1 Contributes to Pathophysiology of Spinal Cord Injury. *Journal of Neuroscience*, **2015**, 35, 10224-35	6.6	69
228	Anatomical location of LPA1 activation and LPA phospholipid precursors in rodent and human brain. *Journal of Neurochemistry*, **2015**, 134, 471-85	6	17
227	Lysophosphatidic acid signalling in development. *Development (Cambridge)*, **2015**, 142, 1390-5	6.6	87
226	Dimethyl fumarate inhibits integrin 4 expression in multiple sclerosis models. *Annals of Clinical and Translational Neurology*, **2015**, 2, 978-83	5.3	22
225	Genomic mosaicism with increased amyloid precursor protein (APP) gene copy number in single neurons from sporadic Alzheimer's disease brains. *ELife*, **2015**, 4,	8.9	87
224	Exogenous S1P Exposure Potentiates Ischemic Stroke Damage That Is Reduced Possibly by Inhibiting S1P Receptor Signaling. *Mediators of Inflammation*, **2015**, 2015, 492659	4.3	31
223	Promising pharmacological directions in the world of lysophosphatidic Acid signaling. *Biomolecules and Therapeutics*, **2015**, 23, 1-11	4.2	82
222	Loss of lysophosphatidic acid receptor LPA1 alters oligodendrocyte differentiation and myelination in the mouse cerebral cortex. *Brain Structure and Function*, **2015**, 220, 3701-20	4	26
221	Lysophospholipid receptors in drug discovery. *Experimental Cell Research*, **2015**, 333, 171-177	4.2	144
220	Lysophosphatidic Acid signaling in the nervous system. *Neuron*, **2015**, 85, 669-82	13.9	164

219	Lysophosphatidic acid receptor type 1 (LPA1) plays a functional role in osteoclast differentiation and bone resorption activity. *Journal of Biological Chemistry*, **2014**, 289, 6551-6564	5.4	34
218	An introduction to the Journal of Lipid Research Thematic Series on lysophospholipids. *Journal of Lipid Research*, **2014**, 55, 798	6.3	2
217	Matricellular protein Cyr61 bridges lysophosphatidic acid and integrin pathways leading to cell migration. *Journal of Biological Chemistry*, **2014**, 289, 5774-83	5.4	16
216	LPA receptor signaling: pharmacology, physiology, and pathophysiology. *Journal of Lipid Research*, **2014**, 55, 1192-214	6.3	408
215	Lysophospholipid receptor nomenclature review: IUPHAR Review 8. *British Journal of Pharmacology* , **2014**, 171, 3575-94	8.6	212
214	An LPA species (18:1 LPA) plays key roles in the self-amplification of spinal LPA production in the peripheral neuropathic pain model. *Molecular Pain*, **2013**, 9, 29	3.4	40
213	Autotaxin production of lysophosphatidic acid mediates allergic asthmatic inflammation. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 188, 928-40	10.2	85
212	Lysophosphatidic acid receptor-2 deficiency confers protection against bleomycin-induced lung injury and fibrosis in mice. *American Journal of Respiratory Cell and Molecular Biology*, **2013**, 49, 912-22	5.7	58
211	Fingolimod: direct CNS effects of sphingosine 1-phosphate (S1P) receptor modulation and implications in multiple sclerosis therapy. *Journal of the Neurological Sciences*, **2013**, 328, 9-18	3.2	202
210	Massively parallel polymerase cloning and genome sequencing of single cells using nanoliter microwells. *Nature Biotechnology*, **2013**, 31, 1126-32	44.5	188
209	Lysophosphatidic acid (LPA) and its receptor, LPA1 , influence embryonic schwann cell migration, myelination, and cell-to-axon segregation. *Glia*, **2013**, 61, 2009-22	9	48
208	Reduced wheel running and blunted effects of voluntary exercise in LPA1-null mice: the importance of assessing the amount of running in transgenic mice studies. *Neuroscience Research*, **2013**, 77, 170-9	2.9	13
207	Lysophosphatidic Acid (LPA) Receptor Signaling **2013**, 1-39		2
206	Sphingosine 1-Phosphate (S1P) Receptors **2013**, 41-60		1
205	Identification of Direct Intracellular Targets of Sphingosine 1-Phosphate (S1P) **2013**, 71-83		
204	Lysophospholipid Receptor Signaling Platforms: The Receptor Tyrosine Kinase– Protein-Coupled Receptor Signaling Complex **2013**, 85-102		
203	Autotaxin: A Unique Ecto-Type Pyrophosphodiesterase with Diverse Functions **2013**, 103-119		
202	Studies on Autotaxin Signaling in Endocytic Vesicle Biogenesis and Embryonic Development Using Whole Embryo Culture and Electroporation **2013**, 121-136		

201	Standardization and Quantification of Lysophosphatidic Acid Compounds by Normal-Phase and Reversed-Phase Chromatography–Tandem Mass Spectrometry **2013**, 137-151	
200	Sphingosine Kinases: Biochemistry, Regulation, and Roles **2013**, 153-183	
199	Functional and Physiological Roles of Sphingosine 1-Phosphate Transporters **2013**, 185-200	
198	Lipid Phosphate Phosphatases and Signaling by Lysophospholipid Receptors **2013**, 201-227	1
197	Lipid Phosphate Phosphatases: Recent Progress and Assay Methods **2013**, 229-263	2
196	Lysophosphatidic Acid (LPA) Signaling and Cardiovascular Pathology **2013**, 265-281	
195	Sphingosine 1-Phosphate (S1P) Signaling in Cardiovascular Physiology and Disease **2013**, 283-312	
194	Sphingosine 1-Phosphate (S1P) Signaling and the Vasculature **2013**, 313-347	4
193	Regulation of the Nuclear Hormone Receptor Pparβ by Endogenous Lysophosphatidic Acids (LPAS) **2013**, 349-372	
192	Mechanisms and Models for Elucidating the Cardiac Effects of Sphingosine 1-Phosphate (S1P) **2013**, 373-397	
191	Neural Effects of Lysophosphatidic Acid (LPA) Signaling **2013**, 399-418	1
190	Widespread Expression of Sphingosine Kinases and Sphingosine 1-Phosphate (S1P) Lyase Suggests Diverse Functions in the Vertebrate Nervous System **2013**, 419-432	
189	Lysophosphatidic Acid and Neuropathic Pain: Demyelination and LPA Biosynthesis **2013**, 433-449	1
188	Role of Lysophosphatidic Acid (LPA) in Behavioral Processes: Implications for Psychiatric Disorders **2013**, 451-473	3
187	Sphingosine 1-Phosphate (S1P) Signaling and Lymphocyte Egress **2013**, 475-488	
186	Biology Revealed by Sphingosine 1-Phosphate (S1P) Receptor Gene-Altered Mice **2013**, 489-506	
185	Role of Lysophosphatidic Acid (LPA) in the Intestine **2013**, 507-527	
184	Lysophospholipid Signaling in Female and Male Reproductive Systems **2013**, 529-567	

183	The Gonads and their Magic Bullet, Lysophosphatidic Acid: Physiological and Toxicological Functions of Lysophosphatidic Acid (LPA) In Female and Male Reproductive Systems **2013**, 569-585		
182	Lysophospholipid Regulation of Lung Fibrosis **2013**, 587-607		
181	Lysophosphatidic Acid (LPA) Signaling and Bone **2013**, 609-625		
180	Lysophosphatidic Acid (LPA) Signaling and Bone Cancer **2013**, 627-640		1
179	Lysophosphatidic Acid Receptors in Cancer **2013**, 661-679		
178	LPA Receptor Subtypes LPA1 and LPA2 as Potential Drug Targets **2013**, 681-708		1
177	Clinical Introduction of Lysophosphatidic Acid (LPA) and Autotaxin Assays **2013**, 709-735		2
176	Antibodies to Bioactive Lysophospholipids **2013**, 737-751		
175	Global Gene Expression Program of Lysophosphatidic Acid (LPA)-Stimulated Fibroblasts **2013**, 61-69		
174	Understanding the Functions of Lysophosphatidic Acid Receptors in Cancer **2013**, 641-659		
173	LPA1-induced cytoskeleton reorganization drives fibrosis through CTGF-dependent fibroblast proliferation. *FASEB Journal*, **2013**, 27, 1830-46	0.9	110
172	The genomically mosaic brain: aneuploidy and more in neural diversity and disease. *Seminars in Cell and Developmental Biology*, **2013**, 24, 357-69	7.5	72
171	Lysophospholipids and their receptors in the central nervous system. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2013**, 1831, 20-32	5	185
170	Necessity of lysophosphatidic acid receptor 1 for development of arthritis. *Arthritis and Rheumatism*, **2013**, 65, 2037-47		55
169	Sphingosine 1-phosphate receptors are essential mediators of eyelid closure during embryonic development. *Journal of Biological Chemistry*, **2013**, 288, 29882-9	5.4	19
168	Distinct phospholipase C-β isozymes mediate lysophosphatidic acid receptor 1 effects on intestinal epithelial homeostasis and wound closure. *Molecular and Cellular Biology*, **2013**, 33, 2016-28	4.8	37
167	Lysophospholipid GPCRs in medical therapeutics and disease mechanisms. *FASEB Journal*, **2013**, 27, 338.	2.9	
166	Aneuploid cells are differentially susceptible to caspase-mediated death during embryonic cerebral cortical development. *Journal of Neuroscience*, **2012**, 32, 16213-22	6.6	46

165	Hippocampal c-Fos activation in normal and LPA□hull mice after two object recognition tasks with different memory demands. *Behavioural Brain Research*, **2012**, 232, 400-5	3.4	40
164	11-deoxy prostaglandin F(2□ a thromboxane A2 receptor agonist, partially alleviates embryo crowding in Lpar3((-/-)) females. *Fertility and Sterility*, **2012**, 97, 757-63	4.8	9
163	Insights into the pharmacological relevance of lysophospholipid receptors. *British Journal of Pharmacology*, **2012**, 165, 829-44	8.6	108
162	Chronic immobilization in the malpar1 knockout mice increases oxidative stress in the hippocampus. *International Journal of Neuroscience*, **2012**, 122, 583-9	2	35
161	Targeted deletion of LPA5 identifies novel roles for lysophosphatidic acid signaling in development of neuropathic pain. *Journal of Biological Chemistry*, **2012**, 287, 17608-17617	5.4	85
160	The lysophosphatidic acid receptor LPA1 promotes epithelial cell apoptosis after lung injury. *American Journal of Respiratory Cell and Molecular Biology*, **2012**, 46, 355-64	5.7	90
159	Lysophosphatidic acid signaling protects pulmonary vasculature from hypoxia-induced remodeling. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 24-32	9.4	26
158	The absence of LPA1 results in aberrant intestinal epithelial cell migration. *FASEB Journal*, **2012**, 26, 1158.4	5.9	
157	Lipoprotein-derived lysophosphatidic acid promotes atherosclerosis by releasing CXCL1 from the endothelium. *Cell Metabolism*, **2011**, 13, 592-600	24.6	146
156	Absence of the lysophosphatidic acid receptor LPA1 results in abnormal bone development and decreased bone mass. *Bone*, **2011**, 49, 395-403	4.7	54
155	Lysophosphatidic acid signaling may initiate fetal hydrocephalus. *Science Translational Medicine*, **2011**, 3, 99ra87	17.5	105
154	Frequent spontaneous seizures followed by spatial working memory/anxiety deficits in mice lacking sphingosine 1-phosphate receptor 2. *Epilepsy and Behavior*, **2011**, 22, 659-65	3.2	30
153	Normal human pluripotent stem cell lines exhibit pervasive mosaic aneuploidy. *PLoS ONE*, **2011**, 6, e23018	3.7	53
152	Aggravation of chronic stress effects on hippocampal neurogenesis and spatial memory in LPA□ receptor knockout mice. *PLoS ONE*, **2011**, 6, e25522	3.7	52
151	A Reply to Iourov et al.. *Neurodegenerative Diseases*, **2011**, 8, 38-40	2.3	3
150	Mechanisms of fingolimod□s efficacy and adverse effects in multiple sclerosis. *Annals of Neurology*, **2011**, 69, 759-77	9.4	286
149	Amelioration of dermal fibrosis by genetic deletion or pharmacologic antagonism of lysophosphatidic acid receptor 1 in a mouse model of scleroderma. *Arthritis and Rheumatism*, **2011**, 63, 1405-15		133
148	Stereotyped fetal brain disorganization is induced by hypoxia and requires lysophosphatidic acid receptor 1 (LPA1) signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 15444-9	11.5	48

147	The neurobiology of sphingosine 1-phosphate signaling and sphingosine 1-phosphate receptor modulators. *Neurology*, **2011**, 76, S9-14	6.5	73
146	Altered spatiotemporal expression of collagen types I, III, IV, and VI in Lpar3-deficient peri-implantation mouse uterus. *Biology of Reproduction*, **2011**, 84, 255-65	3.9	32
145	TNF-alpha promotes LPA1- and LPA3-mediated recruitment of leukocytes in vivo through CXCR2 ligand chemokines. *Journal of Lipid Research*, **2011**, 52, 1307-18	6.3	30
144	FTY720 (fingolimod) efficacy in an animal model of multiple sclerosis requires astrocyte sphingosine 1-phosphate receptor 1 (S1P1) modulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 751-6	11.5	446
143	Roles for lysophospholipid S1P receptors in multiple sclerosis. *Critical Reviews in Biochemistry and Molecular Biology*, **2011**, 46, 2-10	8.7	26
142	A mechanistically novel, first oral therapy for multiple sclerosis: the development of fingolimod (FTY720, Gilenya). *Discovery Medicine*, **2011**, 12, 213-28	2.5	131
141	Calpain-mediated down-regulation of myelin-associated glycoprotein in lysophosphatidic acid-induced neuropathic pain. *Journal of Neurochemistry*, **2010**, 113, 1002-11	6	35
140	Lysophospholipid receptors LPA are not required for the inhibitory effects of LPA on mouse retinal growth cones. *Eye and Brain*, **2010**, 2, 1-13	5.7	8
139	International Union of Basic and Clinical Pharmacology. LXXVIII. Lysophospholipid receptor nomenclature. *Pharmacological Reviews*, **2010**, 62, 579-87	22.5	271
138	Diversity of lysophosphatidic acid receptor-mediated intracellular calcium signaling in early cortical neurogenesis. *Journal of Neuroscience*, **2010**, 30, 7300-9	6.6	42
137	S1P3-mediated cardiac fibrosis in sphingosine kinase 1 transgenic mice involves reactive oxygen species. *Cardiovascular Research*, **2010**, 85, 484-93	9.9	109
136	Prolonged exposure to sphingosine 1-phosphate receptor-1 agonists exacerbates vascular leak, fibrosis, and mortality after lung injury. *American Journal of Respiratory Cell and Molecular Biology*, **2010**, 43, 662-73	5.7	120
135	Blockade of sphingosine 1-phosphate receptor 2 signaling attenuates streptozotocin-induced apoptosis of pancreatic beta-cells. *Biochemical and Biophysical Research Communications*, **2010**, 392, 207-11	3.4	41
134	Progesterone receptor-mediated up-regulation of transthyretin in preimplantation mouse uterus. *Fertility and Sterility*, **2010**, 93, 2750-3	4.8	17
133	Exploratory, anxiety and spatial memory impairments are dissociated in mice lacking the LPA1 receptor. *Neurobiology of Learning and Memory*, **2010**, 94, 73-82	3.1	68
132	Lysophosphatidic acid (LPA) signaling in vertebrate reproduction. *Trends in Endocrinology and Metabolism*, **2010**, 21, 17-24	8.8	74
131	Mechanism of action of oral fingolimod (FTY720) in multiple sclerosis. *Clinical Neuropharmacology*, **2010**, 33, 91-101	1.4	524
130	LPA receptors: subtypes and biological actions. *Annual Review of Pharmacology and Toxicology*, **2010**, 50, 157-86	17.9	633

129	Autotaxin and lysophosphatidic acid1 receptor-mediated demyelination of dorsal root fibers by sciatic nerve injury and intrathecal lysophosphatidylcholine. *Molecular Pain*, **2010**, 6, 78	3.4	59
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