

Junken Aoki

List of Publications by Year in descending order

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342
papers

22,802
citations

5574

82
h-index

12272

133
g-index

356
all docs

356
docs citations

356
times ranked

17961
citing authors

#	ARTICLE	IF	CITATIONS
1	Autotaxin has lysophospholipase D activity leading to tumor cell growth and motility by lysophosphatidic acid production. <i>Journal of Cell Biology</i> , 2002, 158, 227-233.	5.2	859
2	Identification of an intracellular receptor for lysophosphatidic acid (LPA): LPA is a transcellular PPAR α agonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 131-136.	7.1	525
3	LPA3-mediated lysophosphatidic acid signalling in embryo implantation and spacing. <i>Nature</i> , 2005, 435, 104-108.	27.8	482
4	Nectin/PRR: An Immunoglobulin-like Cell Adhesion Molecule Recruited to Cadherin-based Adherens Junctions through Interaction with Afadin, a PDZ Domain-containing Protein. <i>Journal of Cell Biology</i> , 1999, 145, 539-549.	5.2	480
5	Molecular Cloning and Characterization of a Novel Human G-protein-coupled Receptor, EDG7, for Lysophosphatidic Acid. <i>Journal of Biological Chemistry</i> , 1999, 274, 27776-27785.	3.4	467
6	Autotaxin Stabilizes Blood Vessels and Is Required for Embryonic Vasculature by Producing Lysophosphatidic Acid. <i>Journal of Biological Chemistry</i> , 2006, 281, 25822-25830.	3.4	418
7	Illuminating G-Protein-Coupling Selectivity of GPCRs. <i>Cell</i> , 2019, 177, 1933-1947.e25.	28.9	387
8	Serum Lysophosphatidic Acid Is Produced through Diverse Phospholipase Pathways. <i>Journal of Biological Chemistry</i> , 2002, 277, 48737-48744.	3.4	375
9	Two pathways for lysophosphatidic acid production. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 513-518.	2.4	374
10	Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. <i>Journal of Lipid Research</i> , 2020, 61, 1539-1555.	4.2	372
11	Structure and function of Zucchini endoribonuclease in piRNA biogenesis. <i>Nature</i> , 2012, 491, 284-287.	27.8	298
12	TGF β shedding assay: an accurate and versatile method for detecting GPCR activation. <i>Nature Methods</i> , 2012, 9, 1021-1029.	19.0	297
13	Lack of beta-arrestin signaling in the absence of active G proteins. <i>Nature Communications</i> , 2018, 9, 341.	12.8	297
14	The experimental power of FR900359 to study Gq-regulated biological processes. <i>Nature Communications</i> , 2015, 6, 10156.	12.8	282
15	Distinct conformations of GPCR β 2-arrestin complexes mediate desensitization, signaling, and endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2562-2567.	7.1	281
16	The sphingosine-1-phosphate transporter Spns2 expressed on endothelial cells regulates lymphocyte trafficking in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 1416-1426.	8.2	280
17	Mechanisms of lysophosphatidic acid production. <i>Seminars in Cell and Developmental Biology</i> , 2004, 15, 477-489.	5.0	277
18	Lysophosphatidic Acid and Autotaxin Stimulate Cell Motility of Neoplastic and Non-neoplastic Cells through LPA1. <i>Journal of Biological Chemistry</i> , 2004, 279, 17634-17639.	3.4	251

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19	Lysophosphatidic acid (LPA) receptors of the EDG family are differentially activated by LPA species. <i>FEBS Letters</i> , 2000, 478, 159-165.	2.8	234
20	Crystal structure of autotaxin and insight into GPCR activation by lipid mediators. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 205-212.	8.2	217
21	Autotaxin Is Overexpressed in Glioblastoma Multiforme and Contributes to Cell Motility of Glioblastoma by Converting Lysophosphatidylcholine TO Lysophosphatidic Acid. <i>Journal of Biological Chemistry</i> , 2006, 281, 17492-17500.	3.4	206
22	Autotaxin—an LPA producing enzyme with diverse functions. <i>Journal of Biochemistry</i> , 2010, 148, 13-24.	1.7	206
23	Conformational transitions of a neurotensin receptor-Gi1 complex. <i>Nature</i> , 2019, 572, 80-85.	27.8	199
24	A therapeutic agent with oriented carbohydrates for treatment of infections by Shiga toxin-producing <i>Escherichia coli</i> O157:H7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7669-7674.	7.1	190
25	Autotaxin hydrolyzes sphingosylphosphorylcholine to produce the regulator of migration, sphingosine-1-phosphate. <i>Cancer Research</i> , 2003, 63, 5446-53.	0.9	183
26	A Novel Phosphatidic Acid-selective Phospholipase A1 That Produces Lysophosphatidic Acid. <i>Journal of Biological Chemistry</i> , 2002, 277, 34254-34263.	3.4	182
27	Brain acetylhydrolase that inactivates platelet-activating factor is a G-protein-like trimer. <i>Nature</i> , 1997, 385, 89-93.	27.8	180
28	Lysophosphatidic acid as a lipid mediator with multiple biological actions. <i>Journal of Biochemistry</i> , 2015, 157, 81-89.	1.7	177
29	Both Plasma Lysophosphatidic Acid and Serum Autotaxin Levels are Increased in Chronic Hepatitis C. <i>Journal of Clinical Gastroenterology</i> , 2007, 41, 616-623.	2.2	176
30	Phenotypic Modulation of Vascular Smooth Muscle Cells Induced by Unsaturated Lysophosphatidic Acids. <i>Circulation Research</i> , 2001, 89, 251-258.	4.5	172
31	Structure and function of extracellular phospholipase A1 belonging to the pancreatic lipase gene family. <i>Biochimie</i> , 2007, 89, 197-204.	2.6	159
32	Emerging lysophospholipid mediators, lysophosphatidylserine, lysophosphatidylthreonine, lysophosphatidylethanolamine and lysophosphatidylglycerol. <i>Prostaglandins and Other Lipid Mediators</i> , 2009, 89, 135-139.	1.9	155
33	Genetic evidence that β -arrestins are dispensable for the initiation of β -adrenergic receptor signaling to ERK. <i>Science Signaling</i> , 2017, 10, .	3.6	155
34	Identification of a PDZ-domain-containing protein that interacts with the scavenger receptor class B type I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6538-6543.	7.1	152
35	Biological roles of lysophosphatidic acid signaling through its production by autotaxin. <i>Biochimie</i> , 2010, 92, 698-706.	2.6	146
36	GPR31-dependent dendrite protrusion of intestinal CX3CR1+ cells by bacterial metabolites. <i>Nature</i> , 2019, 566, 110-114.	27.8	142

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37	Separation and quantification of 2-acyl-1-lysophospholipids and 1-acyl-2-lysophospholipids in biological samples by LC-MS/MS. <i>Journal of Lipid Research</i> , 2014, 55, 2178-2192.	4.2	138
38	Structures of the 5-HT _{2A} receptor in complex with the antipsychotics risperidone and zotepine. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 121-128.	8.2	133
39	Serine Phospholipid-specific Phospholipase A That Is Secreted from Activated Platelets. <i>Journal of Biological Chemistry</i> , 1997, 272, 2192-2198.	3.4	131
40	Purification, cDNA Cloning, and Expression of UDP-Gal: Glucosylceramide $\hat{1}^2$ -1,4-Galactosyltransferase from Rat Brain. <i>Journal of Biological Chemistry</i> , 1998, 273, 13570-13577.	3.4	130
41	Novel lysophospholipid receptors: their structure and function. <i>Journal of Lipid Research</i> , 2014, 55, 1986-1995.	4.2	130
42	Cell surface flip-flop of phosphatidylserine is critical for PIEZO1-mediated myotube formation. <i>Nature Communications</i> , 2018, 9, 2049.	12.8	127
43	Aberrant expression of lysophosphatidic acid (LPA) receptors in human colorectal cancer. <i>Laboratory Investigation</i> , 2004, 84, 1352-1362.	3.7	126
44	ADRP/adipophilin is degraded through the proteasome-dependent pathway during regression of lipid-storing cells. <i>Journal of Lipid Research</i> , 2006, 47, 87-98.	4.2	125
45	Synaptic PRG-1 Modulates Excitatory Transmission via Lipid Phosphate-Mediated Signaling. <i>Cell</i> , 2009, 138, 1222-1235.	28.9	124
46	Protection against Oxidative Stress-induced Cell Death by Intracellular Platelet-activating Factor-Acetylhydrolase II. <i>Journal of Biological Chemistry</i> , 1997, 272, 32315-32320.	3.4	123
47	Mouse Homolog of Poliovirus Receptor-Related Gene 2 Product, mPRR2, Mediates Homophilic Cell Aggregation. <i>Experimental Cell Research</i> , 1997, 235, 374-384.	2.6	122
48	LPA-producing enzyme PA-PLA ₁ regulates hair follicle development by modulating EGFR signalling. <i>EMBO Journal</i> , 2011, 30, 4248-4260.	7.8	119
49	Crystal structure of Enpp1, an extracellular glycoprotein involved in bone mineralization and insulin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16876-16881.	7.1	114
50	Lysophosphatidylcholine induces neuropathic pain through an action of autotaxin to generate lysophosphatidic acid. <i>Neuroscience</i> , 2008, 152, 296-298.	2.3	112
51	SEK1/MKK4-Mediated SAPK/JNK Signaling Participates in Embryonic Hepatoblast Proliferation via a Pathway Different from NF- $\hat{1}$ B-Induced Anti-Apoptosis. <i>Developmental Biology</i> , 2002, 250, 332-347.	2.0	110
52	Structure of a microbial homologue of mammalian platelet-activating factor acetylhydrolases: <i>Streptomyces exfoliatus</i> lipase at 1.9 Å resolution. <i>Structure</i> , 1998, 6, 511-519.	3.3	107
53	Structure and function of phosphatidylserine-specific phospholipase A1. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1582, 26-32.	2.4	107
54	Involvement of the Lysophosphatidic Acid-Generating Enzyme Autotaxin in Lymphocyte-Endothelial Cell Interactions. <i>American Journal of Pathology</i> , 2008, 173, 1566-1576.	3.8	107

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55	Efficient Delivery of Circulating Poliovirus to the Central Nervous System Independently of Poliovirus Receptor. <i>Virology</i> , 1997, 229, 421-428.	2.4	106
56	Biochemical and Molecular Characterization of a Novel Choline-specific Glycerophosphodiester Phosphodiesterase Belonging to the Nucleotide Pyrophosphatase/Phosphodiesterase Family. <i>Journal of Biological Chemistry</i> , 2005, 280, 23084-23093.	3.4	106
57	Identification of a Phosphothionate Analogue of Lysophosphatidic Acid (LPA) as a Selective Agonist of the LPA3 Receptor. <i>Journal of Biological Chemistry</i> , 2003, 278, 11962-11969.	3.4	103
58	Serum autotaxin measurement in haematological malignancies: a promising marker for follicular lymphoma. <i>British Journal of Haematology</i> , 2008, 143, 60-70.	2.5	103
59	The hydrolysis of lysophospholipids and nucleotides by autotaxin (NPP2) involves a single catalytic site. <i>FEBS Letters</i> , 2003, 538, 60-64.	2.8	102
60	Vascular Remodeling Induced by Naturally Occurring Unsaturated Lysophosphatidic Acid In Vivo. <i>Circulation</i> , 2003, 108, 1746-1752.	1.6	102
61	cDNA Cloning and Expression of Intracellular Platelet-activating Factor (PAF) Acetylhydrolase II. <i>Journal of Biological Chemistry</i> , 1996, 271, 33032-33038.	3.4	101
62	Localization of α -tocopherol transfer protein in rat brain. <i>Neuroscience Letters</i> , 1998, 256, 159-162.	2.1	101
63	Induction of autotaxin by the Epstein-Barr virus promotes the growth and survival of Hodgkin lymphoma cells. <i>Blood</i> , 2005, 106, 2138-2146.	1.4	101
64	Structural insights into ligand recognition by the lysophosphatidic acid receptor LPA6. <i>Nature</i> , 2017, 548, 356-360.	27.8	101
65	Cancer Cell Expression of Autotaxin Controls Bone Metastasis Formation in Mouse through Lysophosphatidic Acid-Dependent Activation of Osteoclasts. <i>PLoS ONE</i> , 2010, 5, e9741.	2.5	101
66	Autotaxin (NPP-2) in the brain: cell type-specific expression and regulation during development and after neurotrauma. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 230-243.	5.4	100
67	Validation of an autotaxin enzyme immunoassay in human serum samples and its application to hypoalbuminemia differentiation. <i>Clinica Chimica Acta</i> , 2008, 388, 51-58.	1.1	99
68	Prostatic acid phosphatase degrades lysophosphatidic acid in seminal plasma. <i>FEBS Letters</i> , 2004, 571, 197-204.	2.8	98
69	Over-expression of lysophosphatidic acid receptor-2 in human invasive ductal carcinoma. <i>Breast Cancer Research</i> , 2004, 6, R640-6.	5.0	96
70	Platelet-Activating Factor Acetylhydrolase (PAF-AH). <i>Journal of Biochemistry</i> , 2002, 131, 635-640.	1.7	95
71	Biochemical and Molecular Characterization of Two Phosphatidic Acid-selective Phospholipase A1s, mPA-PLA1 ¹ and mPA-PLA1 ² . <i>Journal of Biological Chemistry</i> , 2003, 278, 49438-49447.	3.4	95
72	Constitutive Lymphocyte Transmigration across the Basal Lamina of High Endothelial Venules Is Regulated by the Autotaxin/Lysophosphatidic Acid Axis. <i>Journal of Immunology</i> , 2013, 190, 2036-2048.	0.8	95

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73	Transcription repressor Bach2 is required for pulmonary surfactant homeostasis and alveolar macrophage function. <i>Journal of Experimental Medicine</i> , 2013, 210, 2191-2204.	8.5	95
74	Plasma lysophosphatidic acid level and serum autotaxin activity are increased in liver injury in rats in relation to its severity. <i>Life Sciences</i> , 2007, 81, 1009-1015.	4.3	94
75	Autotaxin, a Synthetic Enzyme of Lysophosphatidic Acid (LPA), Mediates the Induction of Nerve-Injured Neuropathic Pain. <i>Molecular Pain</i> , 2008, 4, 1744-8069-4-6.	2.1	94
76	Autotaxin as a novel serum marker of liver fibrosis. <i>Clinica Chimica Acta</i> , 2011, 412, 1201-1206.	1.1	93
77	Embryo Spacing and Implantation Timing Are Differentially Regulated by LPA3-Mediated Lysophosphatidic Acid Signaling in Mice ¹ . <i>Biology of Reproduction</i> , 2007, 77, 954-959.	2.7	91
78	Autotaxin Regulates Maintenance of Ovarian Cancer Stem Cells through Lysophosphatidic Acid-Mediated Autocrine Mechanism. <i>Stem Cells</i> , 2016, 34, 551-564.	3.2	90
79	Critical Role of Lysophospholipids in the Pathophysiology, Diagnosis, and Management of Ovarian Cancer. , 2002, 107, 259-283.		90
80	Nerve Growth Factor Activates Mast Cells Through the Collaborative Interaction with Lysophosphatidylserine Expressed on the Membrane Surface of Activated Platelets. <i>Journal of Immunology</i> , 2002, 168, 6412-6419.	0.8	89
81	Transgenic Expression of Group V, but Not Group X, Secreted Phospholipase A2 in Mice Leads to Neonatal Lethality because of Lung Dysfunction. <i>Journal of Biological Chemistry</i> , 2006, 281, 36420-36433.	3.4	89
82	Glycerophospholipid regulation of modality-specific sensory axon guidance in the spinal cord. <i>Science</i> , 2015, 349, 974-977.	12.6	89
83	Activation of Mitogen-Activated Protein Kinases by Lysophosphatidylcholine-Induced Mitochondrial Reactive Oxygen Species Generation in Endothelial Cells. <i>American Journal of Pathology</i> , 2006, 168, 1737-1748.	3.8	86
84	SREC-II, a New Member of the Scavenger Receptor Type F Family, Trans-interacts with SREC-I through Its Extracellular Domain. <i>Journal of Biological Chemistry</i> , 2002, 277, 39696-39702.	3.4	82
85	A Novel Phospholipase A1 with Sequence Homology to a Mammalian Sec23p-interacting Protein, p125. <i>Journal of Biological Chemistry</i> , 2002, 277, 11329-11335.	3.4	82
86	Platelet-Activating Factor Acetylhydrolase Expression and Activity Suggest a Link between Neuronal Migration and Platelet-Activating Factor. <i>Developmental Biology</i> , 1996, 180, 579-593.	2.0	81
87	Cloning and Expression of a cDNA Encoding the Î²-Subunit (30-kDa Subunit) of Bovine Brain Platelet-activating Factor Acetylhydrolase. <i>Journal of Biological Chemistry</i> , 1995, 270, 31345-31352.	3.4	80
88	Autotaxin Regulates Vascular Development via Multiple Lysophosphatidic Acid (LPA) Receptors in Zebrafish. <i>Journal of Biological Chemistry</i> , 2011, 286, 43972-43983.	3.4	80
89	X-ray structures of endothelin ETB receptor bound to clinical antagonist bosentan and its analog. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 758-764.	8.2	79
90	Structure-Activity Relationships of Fluorinated Lysophosphatidic Acid Analogues. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3319-3327.	6.4	78

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91	ENPP2 Contributes to Adipose Tissue Expansion and Insulin Resistance in Diet-Induced Obesity. <i>Diabetes</i> , 2014, 63, 4154-4164.	0.6	78
92	Targeted Disruption of Intracellular Type I Platelet Activating Factor-acetylhydrolase Catalytic Subunits Causes Severe Impairment in Spermatogenesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 12489-12494.	3.4	77
93	Lysophosphatidic acid (LPA) receptors are activated differentially by biological fluids: possible role of LPA-binding proteins in activation of LPA receptors. <i>FEBS Letters</i> , 2002, 523, 187-192.	2.8	76
94	Identification of a Novel Member of the Carboxylesterase Family That Hydrolyzes Triacylglycerol: A Potential Role in Adipocyte Lipolysis. <i>Diabetes</i> , 2006, 55, 2091-2097.	0.6	73
95	Expression patterns of the lysophospholipid receptor genes during mouse early development. <i>Developmental Dynamics</i> , 2008, 237, 3280-3294.	1.8	72
96	Possible Involvement of Minor Lysophospholipids in the Increase in Plasma Lysophosphatidic Acid in Acute Coronary Syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 463-470.	2.4	72
97	Conformational Profiling of the AT1 Angiotensin II Receptor Reflects Biased Agonism, G Protein Coupling, and Cellular Context. <i>Journal of Biological Chemistry</i> , 2017, 292, 5443-5456.	3.4	72
98	Switching of Platelet-activating Factor Acetylhydrolase Catalytic Subunits in Developing Rat Brain. <i>Journal of Biological Chemistry</i> , 1998, 273, 18567-18572.	3.4	71
99	Evidence for De Novo Synthesis of Lysophosphatidic Acid in the Spinal Cord through Phospholipase A ₂ and Autotaxin in Nerve Injury-Induced Neuropathic Pain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 540-546.	2.5	71
100	Direct association of LIS1, the lissencephaly gene product, with a mammalian homologue of a fungal nuclear distribution protein, rNUDE. <i>FEBS Letters</i> , 2000, 479, 57-62.	2.8	70
101	Phosphatidylserine-specific Phospholipase A1 Stimulates Histamine Release from Rat Peritoneal Mast Cells through Production of 2-Acyl-1-lysophosphatidylserine. <i>Journal of Biological Chemistry</i> , 2001, 276, 29664-29670.	3.4	69
102	Protection against Oxidative Stress-induced Hepatic Injury by Intracellular Type II Platelet-activating Factor Acetylhydrolase by Metabolism of Oxidized Phospholipids in Vivo. <i>Journal of Biological Chemistry</i> , 2008, 283, 1628-1636.	3.4	69
103	Autotaxin and Lysophosphatidic Acid ₁ receptor-Mediated Demyelination of Dorsal Root Fibers by Sciatic Nerve Injury and Intrathecal Lysophosphatidylcholine. <i>Molecular Pain</i> , 2010, 6, 1744-8069-6-78.	2.1	69
104	GPR34 is a receptor for lysophosphatidylserine with a fatty acid at the sn-2 position. <i>Journal of Biochemistry</i> , 2012, 151, 511-518.	1.7	69
105	Interaction of Poliovirus with Its Purified Receptor and Conformational Alteration in the Virion. <i>Journal of Virology</i> , 1998, 72, 3578-3586.	3.4	69
106	A Missense Mutation within the Helix Initiation Motif of the Keratin K71 Gene Underlies Autosomal Dominant Woolly Hair/Hypotrichosis. <i>Journal of Investigative Dermatology</i> , 2012, 132, 2342-2349.	0.7	68
107	Synthesis and Evaluation of Lysophosphatidylserine Analogues as Inducers of Mast Cell Degranulation. Potent Activities of Lysophosphatidylthreonine and Its 2-Deoxy Derivative. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5837-5863.	6.4	67
108	Necessity of Lysophosphatidic Acid Receptor 1 for Development of Arthritis. <i>Arthritis and Rheumatism</i> , 2013, 65, 2037-2047.	6.7	67

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109	Cyclic Phosphatidic Acid Is Produced by Autotaxin in Blood. <i>Journal of Biological Chemistry</i> , 2006, 281, 26081-26088.	3.4	66
110	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, 1744-8069-5-64.	2.1	65
111	Biochemical Characterization of Various Catalytic Complexes of the Brain Platelet-activating Factor Acetylhydrolase. <i>Journal of Biological Chemistry</i> , 1999, 274, 31827-31832.	3.4	64
112	Expression of Autotaxin and Acylglycerol kinase in prostate cancer: Association with cancer development and progression. <i>Cancer Science</i> , 2009, 100, 1631-1638.	3.9	62
113	Platelet-Activating Factor Acetylhydrolases: A Broad Substrate Specificity and Lipoprotein Binding Does Not Modulate the Catalytic Properties of the Plasma Enzyme. <i>Biochemistry</i> , 2001, 40, 4539-4549.	2.5	61
114	Neuronal Expression and Neuritogenic Action of Group X Secreted Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2005, 280, 23203-23214.	3.4	61
115	PAF analogues capable of inhibiting PAF acetylhydrolase activity suppress migration of isolated rat cerebellar granule cells. <i>Neuroscience Letters</i> , 1997, 235, 133-136.	2.1	60
116	Dual mode regulation of migration by lysophosphatidic acid in human gastric cancer cells. <i>Experimental Cell Research</i> , 2004, 301, 168-178.	2.6	60
117	Crystal structures of human ETB receptor provide mechanistic insight into receptor activation and partial activation. <i>Nature Communications</i> , 2018, 9, 4711.	12.8	60
118	Structural basis for specific inhibition of Autotaxin by a DNA aptamer. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 395-401.	8.2	59
119	Enantioselective Responses to a Phosphorothioate Analogue of Lysophosphatidic Acid with LPA3 Receptor-Selective Agonist Activity. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 5575-5578.	6.4	58
120	Group VIB Ca ²⁺ -independent Phospholipase A2 ³ Promotes Cellular Membrane Hydrolysis and Prostaglandin Production in a Manner Distinct from Other Intracellular Phospholipases A2. <i>Journal of Biological Chemistry</i> , 2005, 280, 14028-14041.	3.4	57
121	An Alternative Splicing Form of Phosphatidylserine-specific Phospholipase A1 That Exhibits Lysophosphatidylserine-specific Lysophospholipase Activity in Humans. <i>Journal of Biological Chemistry</i> , 1999, 274, 11053-11059.	3.4	56
122	Dietary <i>Lactobacillus</i> -Derived Exopolysaccharide Enhances Immune-Checkpoint Blockade Therapy. <i>Cancer Discovery</i> , 2022, 12, 1336-1355.	9.4	56
123	Measurement of lysophospholipase D/autotaxin activity in human serum samples. <i>Clinical Biochemistry</i> , 2007, 40, 274-277.	1.9	55
124	Specific increase in serum autotaxin activity in patients with pancreatic cancer. <i>Clinical Biochemistry</i> , 2011, 44, 576-581.	1.9	55
125	The 17,18-epoxyeicosatetraenoic acid G protein-coupled receptor 40 axis ameliorates contact hypersensitivity by inhibiting neutrophil mobility in mice and cynomolgus macaques. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 470-484.e12.	2.9	55
126	Lysolipid receptor cross-talk regulates lymphatic endothelial junctions in lymph nodes. <i>Journal of Experimental Medicine</i> , 2019, 216, 1582-1598.	8.5	54

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127	Heterotrimeric G Protein Subunit G β Is a Master Switch for G β γ -Mediated Calcium Mobilization by Gi-Coupled GPCRs. <i>Molecular Cell</i> , 2020, 80, 940-954.e6.	9.7	54
128	Prevalent LIPH founder mutations lead to loss of P2Y5 activation ability of PA-PLA ₁ in autosomal recessive hypotrichosis. <i>Human Mutation</i> , 2010, 31, n/a-n/a.	2.5	53
129	Heterotrimeric Gq proteins act as a switch for GRK5/6 selectivity underlying β -arrestin transducer bias. <i>Nature Communications</i> , 2022, 13, 487.	12.8	53
130	Purinergic Receptor Transactivation by the β -Adrenergic Receptor Increases Intracellular Ca ²⁺ in Nonexcitable Cells. <i>Molecular Pharmacology</i> , 2017, 91, 533-544.	2.3	52
131	Autotaxin "Lysophosphatidic Acid Pathway in Intraocular Pressure Regulation and Glaucoma Subtypes. , 2018, 59, 693.		52
132	Sphingosine 1-phosphate release from platelets during clot formation: close correlation between platelet count and serum sphingosine 1-phosphate concentration. <i>Lipids in Health and Disease</i> , 2013, 12, 20.	3.0	51
133	Screening and X-ray Crystal Structure-based Optimization of Autotaxin (ENPP2) Inhibitors, Using a Newly Developed Fluorescence Probe. <i>ACS Chemical Biology</i> , 2013, 8, 1713-1721.	3.4	51
134	Regulation of Intestinal IgA Responses by Dietary Palmitic Acid and Its Metabolism. <i>Journal of Immunology</i> , 2014, 193, 1666-1671.	0.8	51
135	Structure and biological function of ENPP6, a choline-specific glycerophosphodiester-phosphodiesterase. <i>Scientific Reports</i> , 2016, 6, 20995.	3.3	51
136	Peritoneal fluids from patients with certain gynecologic tumor contain elevated levels of bioactive lysophospholipase D activity. <i>Life Sciences</i> , 2007, 80, 1641-1649.	4.3	49
137	Lysophosphatidic receptor, LPA3, is positively and negatively regulated by progesterone and estrogen in the mouse uterus. <i>Life Sciences</i> , 2006, 79, 1736-1740.	4.3	48
138	Adiponectin suppresses tumorigenesis in ApcMin/+ mice. <i>Cancer Letters</i> , 2010, 288, 177-182.	7.2	48
139	Increased mRNA Levels of Sphingosine Kinases and S1P Lyase and Reduced Levels of S1P Were Observed in Hepatocellular Carcinoma in Association with Poorer Differentiation and Earlier Recurrence. <i>PLoS ONE</i> , 2016, 11, e0149462.	2.5	48
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