

Viswanathan Natarajan

List of Publications by Year in descending order

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139
papers

7,675
citations

34105

52
h-index

60623

81
g-index

140
all docs

140
docs citations

140
times ranked

9187
citing authors

#	ARTICLE	IF	CITATIONS
1	Sphingosine kinase 1 regulates lysyl oxidase through STAT3 in hyperoxia-mediated neonatal lung injury. <i>Thorax</i> , 2022, 77, 47-57.	5.6	8
2	Role of Lysocardiolipin Acyltransferase in Cigarette Smoke-Induced Lung Epithelial Cell Mitochondrial ROS, Mitochondrial Dynamics, and Apoptosis. <i>Cell Biochemistry and Biophysics</i> , 2022, 80, 203-216.	1.8	7
3	eNAMPT neutralization reduces preclinical ARDS severity via rectified NFκB and Akt/mTORC2 signaling. <i>Scientific Reports</i> , 2022, 12, 696.	3.3	23
4	The Role of Sphingolipid Signaling in Oxidative Lung Injury and Pathogenesis of Bronchopulmonary Dysplasia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1254.	4.1	12
5	Cortactin Loss Protects Against Hemin-Induced Acute Lung Injury in Sickle Cell Disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, , .	2.9	2
6	NOX4 Mediates Epithelial Cell Death in Hyperoxic Acute Lung Injury Through Mitochondrial Reactive Oxygen Species. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	3
7	Endothelial eNAMPT amplifies pre-clinical acute lung injury: efficacy of an eNAMPT-neutralising monoclonal antibody. <i>European Respiratory Journal</i> , 2021, 57, 2002536.	6.7	53
8	Cigarette Smoke and Nicotine-Containing Electronic-Cigarette Vapor Downregulate Lung WWOX Expression, Which Is Associated with Increased Severity of Murine Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 89-99.	2.9	5
9	NOX4 Mediates <i>Pseudomonas aeruginosa</i> -Induced Nuclear Reactive Oxygen Species Generation and Chromatin Remodeling in Lung Epithelium. <i>Antioxidants</i> , 2021, 10, 477.	5.1	11
10	My Journey in Academia as a Lipid Biochemist. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 433-444.	1.8	2
11	Cigarette or E-cigarette content alters autophagy and permeability of lung endothelium. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
12	Hyperoxia-induced S1P1 signaling reduced angiogenesis by suppression of TIE-2 leading to experimental bronchopulmonary dysplasia. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 561-573.	1.8	7
13	Nuclear Sphingosine-1-phosphate Lyase Generated Δ^2 -hexadecenal is A Regulator of HDAC Activity and Chromatin Remodeling in Lung Epithelial Cells. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 575-592.	1.8	10
14	Essential role for paxillin tyrosine phosphorylation in LPS-induced mitochondrial fission, ROS generation and lung endothelial barrier loss. <i>Scientific Reports</i> , 2021, 11, 17546.	3.3	16
15	Cortactin Modulates Lung Endothelial Apoptosis Induced by Cigarette Smoke. <i>Cells</i> , 2021, 10, 2869.	4.1	6
16	Colony-stimulating factor 1 and its receptor are new potential therapeutic targets for allergic asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 357-369.	5.7	25
17	The Sphingosine Kinase 1 Inhibitor, PF543, Mitigates Pulmonary Fibrosis by Reducing Lung Epithelial Cell mtDNA Damage and Recruitment of Fibrogenic Monocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5595.	4.1	16
18	Neonatal therapy with PF543, a sphingosine kinase 1 inhibitor, ameliorates hyperoxia-induced airway remodeling in a murine model of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L497-L512.	2.9	19

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19	Lysocardiolipin acyltransferase regulates NSCLC cell proliferation and migration by modulating mitochondrial dynamics. <i>Journal of Biological Chemistry</i> , 2020, 295, 13393-13406.	3.4	12
20	Lipid Mediators Regulate Pulmonary Fibrosis: Potential Mechanisms and Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4257.	4.1	73
21	Sphingosine Kinase 1/S1P Signaling Contributes to Pulmonary Fibrosis by Activating Hippo/YAP Pathway and Mitochondrial Reactive Oxygen Species in Lung Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2064.	4.1	60
22	S1P and plasmalogen derived fatty aldehydes in cellular signaling and functions. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158681.	2.4	19
23	Mitochondrial 8-oxoguanine DNA glycosylase mitigates alveolar epithelial cell PINK1 deficiency, mitochondrial DNA damage, apoptosis, and lung fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L1084-L1096.	2.9	26
24	Advancements in understanding the role of lysophospholipids and their receptors in lung disorders including bronchopulmonary dysplasia. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158685.	2.4	7
25	SPHK2-Generated S1P in CD11b+ Macrophages Blocks STING to Suppress the Inflammatory Function of Alveolar Macrophages. <i>Cell Reports</i> , 2020, 30, 4096-4109.e5.	6.4	40
26	Angiocrine Sphingosine-1-Phosphate Activation of S1PR2-YAP Signaling Axis in Alveolar Type II Cells Is Essential for Lung Repair. <i>Cell Reports</i> , 2020, 31, 107828.	6.4	38
27	Phospholipase D2 restores endothelial barrier function by promoting PTPN14-mediated VE-cadherin dephosphorylation. <i>Journal of Biological Chemistry</i> , 2020, 295, 7669-7685.	3.4	17
28	Infrared spectral microscopy as a tool to monitor lung fibrosis development in a model system. <i>Biomedical Optics Express</i> , 2020, 11, 3996.	2.9	5
29	Light-regulated allosteric switch enables temporal and subcellular control of enzyme activity. <i>ELife</i> , 2020, 9, .	6.0	32
30	Mind the Gap between the Endothelium and E3 Ubiquitin Ligase: TRIM21 Is a Viable Therapeutic Target in Sepsis-induced Endothelial Dysfunction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 676-677.	2.9	5
31	Role of phospholipase D in bleomycin-induced mitochondrial reactive oxygen species generation, mitochondrial DNA damage, and pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L175-L187.	2.9	29
32	<i>Pseudomonas aeruginosa</i> stimulates nuclear sphingosine-1-phosphate generation and epigenetic regulation of lung inflammatory injury. <i>Thorax</i> , 2019, 74, 579-591.	5.6	38
33	Genetic deletion of Sphk2 confers protection against <i>Pseudomonas aeruginosa</i> mediated differential expression of genes related to virulent infection and inflammation in mouse lung. <i>BMC Genomics</i> , 2019, 20, 984.	2.8	13
34	Sphingosine-1-Phosphate Receptor 1 Activity Promotes Tumor Growth by Amplifying VEGF-VEGFR2 Angiogenic Signaling. <i>Cell Reports</i> , 2019, 29, 3472-3487.e4.	6.4	41
35	Hexadecenal Generated from S1P by Nuclear S1P Lyase Is a Regulator of HDAC1/2 Activity and Histone Acetylation in Lung Epithelial Cells. <i>FASEB Journal</i> , 2019, 33, 489.3.	0.5	2
36	Nuclear lipid mediators: Role of nuclear sphingolipids and sphingosine-1-phosphate signaling in epigenetic regulation of inflammation and gene expression. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 6337-6353.	2.6	35

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37	Micro-RNA-1 is decreased by hypoxia and contributes to the development of pulmonary vascular remodeling via regulation of sphingosine kinase 1. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L461-L472.	2.9	33
38	Sphingolipids Signaling in Lamellipodia Formation and Enhancement of Endothelial Barrier Function. <i>Current Topics in Membranes</i> , 2018, 82, 1-31.	0.9	12
39	Airway Epithelial Cell-Derived Colony Stimulating Factor-1 Promotes Allergen Sensitization. <i>Immunity</i> , 2018, 49, 275-287.e5.	14.3	57
40	Sphingolipids in Ventilator Induced Lung Injury: Role of Sphingosine-1-Phosphate Lyase. <i>International Journal of Molecular Sciences</i> , 2018, 19, 114.	4.1	26
41	Stainless Imaging To Identify The Biochemical changes during Bleomycinâ€nduced Pulmonary Fibrosis By Fourier Transform Infrared Technique. <i>FASEB Journal</i> , 2018, 32, 674.2.	0.5	0
42	Expression profiling of genes regulated by Sphingosine kinase 2 in a murine model of <i>Pseudomonas aeruginosa</i> mediated acute lung inflammation. <i>FASEB Journal</i> , 2018, 32, 540.11.	0.5	0
43	Sphingosine Kinase 2 Expression in CD11b + Macrophages Negatively Regulates cGASSTING Activity and Resolves Lung Injury. <i>FASEB Journal</i> , 2018, 32, 832.18.	0.5	0
44	Lysocardiolipin acyltransferase regulates TGF- β 2 mediated lung fibroblast differentiation. <i>Free Radical Biology and Medicine</i> , 2017, 112, 162-173.	2.9	28
45	Epigenetic regulation of pro-inflammatory cytokine secretion by sphingosine 1-phosphate (S1P) in acute lung injury: Role of S1P lyase. <i>Advances in Biological Regulation</i> , 2017, 63, 156-166.	2.3	55
46	The Role of Nicotinamide Adenine Dinucleotide Phosphate Oxidases in Lung Architecture Remodeling. <i>Antioxidants</i> , 2017, 6, 104.	5.1	23
47	Expression profiling of genes regulated by sphingosine kinase1 signaling in a murine model of hyperoxia induced neonatal bronchopulmonary dysplasia. <i>BMC Genomics</i> , 2017, 18, 664.	2.8	13
48	Hyperoxia-induced p47 ^{phox} activation and ROS generation is mediated through S1P transporter Spns2, and S1P/S1P _{1&2} signaling axis in lung endothelium. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L337-L351.	2.9	33
49	Autotaxin activity increases locally following lung injury, but is not required for pulmonary lysophosphatidic acid production or fibrosis. <i>FASEB Journal</i> , 2016, 30, 2435-2450.	0.5	38
50	Phosphatidic Acid Produced by RaA-activated PLD2 Stimulates Caveolae-mediated Endocytosis and Trafficking in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 20729-20738.	3.4	30
51	Role of Sphingosine Kinase 1 and S1P Transporter Spns2 in HGF-mediated Lamellipodia Formation in Lung Endothelium. <i>Journal of Biological Chemistry</i> , 2016, 291, 27187-27203.	3.4	32
52	Targeting sphingosine-1-phosphate signaling in lung diseases. , 2016, 168, 143-157.		54
53	PDGF induces SphK1 expression via Egr-1 to promote pulmonary artery smooth muscle cell proliferation. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C983-C992.	4.6	38
54	â€œPulmonary Endothelial Cell Barrier Enhancement by Novel FTY720 Analogs: Methoxy-FTY720, Fluoro-FTY720, and β -Glucuronide-FTY720â€œ. <i>Chemistry and Physics of Lipids</i> , 2016, 194, 85-93.	3.2	13

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55	Polyunsaturated lysophosphatidic acid as a potential asthma biomarker. <i>Biomarkers in Medicine</i> , 2016, 10, 123-135.	1.4	37
56	Cross-talk between lysophosphatidic acid receptor 1 and tropomyosin receptor kinase A promotes lung epithelial cell migration. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 229-235.	4.1	9
57	Regulation of Thrombin-Induced Lung Endothelial Cell Barrier Disruption by Protein Kinase C Delta. <i>PLoS ONE</i> , 2016, 11, e0158865.	2.5	15
58	Role Played by Paxillin and Paxillin Tyrosine Phosphorylation in Hepatocyte Growth Factor/Sphingosine-1-Phosphate-Mediated Reactive Oxygen Species Generation, Lamellipodia Formation, and Endothelial Barrier Function. <i>Pulmonary Circulation</i> , 2015, 5, 619-630.	1.7	21
59	Nuclear factor, erythroid 2-like 2-associated molecular signature predicts lung cancer survival. <i>Scientific Reports</i> , 2015, 5, 16889.	3.3	39
60	All-Trans Retinoic Acid Induces TGF- β 2 in Intestinal Epithelial Cells via RhoA- and p38 β -MAPK-Mediated Activation of the Transcription Factor ATF2. <i>PLoS ONE</i> , 2015, 10, e0134003.	2.5	20
61	c-Abl mediated tyrosine phosphorylation of paxillin regulates LPS-induced endothelial dysfunction and lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L1025-L1038.	2.9	29
62	Sphingolipids in pulmonary fibrosis. <i>Advances in Biological Regulation</i> , 2015, 57, 55-63.	2.3	63
63	Inhibited Insulin Signaling in Mouse Hepatocytes Is Associated with Increased Phosphatidic Acid but Not Diacylglycerol. <i>Journal of Biological Chemistry</i> , 2015, 290, 3519-3528.	3.4	23
64	Pulmonary Endothelial Cell Barrier Enhancement by Novel FTY720 Analogs: Methoxy-FTY720, Fluoro-FTY720, and β -Glucuronide-FTY720. <i>Chemistry and Physics of Lipids</i> , 2015, 191, 16-24.	3.2	21
65	Sphingosine-1-phosphate lyase is an endogenous suppressor of pulmonary fibrosis: role of S1P signalling and autophagy. <i>Thorax</i> , 2015, 70, 1138-1148.	5.6	62
66	Nuclear S1P Lyase Regulates Histone Acetylation In <i>Pseudomonas aeruginosa</i> -Induced Lung Inflammation. <i>FASEB Journal</i> , 2015, 29, 863.26.	0.5	3
67	Role of SphK1/S1P/Spns2/S1P signaling in HGF-mediated lamellipodia formation and migration of human lung endothelial cells. <i>FASEB Journal</i> , 2015, 29, 863.6.	0.5	0
68	Reactive oxygen species at the crossroads of inflammasome and inflammation. <i>Frontiers in Physiology</i> , 2014, 5, 352.	2.8	341
69	The Mitochondrial Cardiolipin Remodeling Enzyme Lysocardiolipin Acyltransferase Is a Novel Target in Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 1402-1415.	5.6	47
70	Role of c-Met/Phosphatidylinositol 3-Kinase (PI3k)/Akt Signaling in Hepatocyte Growth Factor (HGF)-mediated Lamellipodia Formation, Reactive Oxygen Species (ROS) Generation, and Motility of Lung Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 13476-13491.	3.4	73
71	The Sphingosine Kinase 1/Sphingosine-1-Phosphate Pathway in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1032-1043.	5.6	112
72	Autotaxin Production of Lysophosphatidic Acid Mediates Allergic Asthmatic Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 928-940.	5.6	106

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73	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, 912-922.	2.9	85
74	Targeting sphingosine kinase 1 attenuates bleomycin-induced pulmonary fibrosis. <i>FASEB Journal</i> , 2013, 27, 1749-1760.	0.5	83
75	Sphingosine Kinase 1 Deficiency Confers Protection against Hyperoxia-Induced Bronchopulmonary Dysplasia in a Murine Model. <i>American Journal of Pathology</i> , 2013, 183, 1169-1182.	3.8	48
76	Lysophosphatidic acid (LPA) and its receptors: Role in airway inflammation and remodeling. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 86-92.	2.4	96
77	Sphingosine-1-Phosphate, FTY720, and Sphingosine-1-Phosphate Receptors in the Pathobiology of Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 6-17.	2.9	127
78	Role of Nicotinamide Adenine Dinucleotide Phosphate-Reduced Oxidase Proteins in <i>Pseudomonas aeruginosa</i> -Induced Lung Inflammation and Permeability. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 48, 477-488.	2.9	42
79	Role of Migratory Inhibition Factor in Age-Related Susceptibility to Radiation Lung Injury via NF-E2-Related Factor ² and Antioxidant Regulation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 269-278.	2.9	45
80	The Roles of Sphingosine Kinase 1 and 2 in Regulating the Metabolome and Survival of Prostate Cancer Cells. <i>Biomolecules</i> , 2013, 3, 316-333.	4.0	13
81	Phospholipase D Signaling Mediates Reactive Oxygen Species-Induced Lung Endothelial Barrier Dysfunction. <i>Pulmonary Circulation</i> , 2013, 3, 108-115.	1.7	18
82	Store-operated Ca ²⁺ Entry (SOCE) Induced by Protease-activated Receptor-1 Mediates STIM1 Protein Phosphorylation to Inhibit SOCE in Endothelial Cells through AMP-activated Protein Kinase and p38 ² Mitogen-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2013, 288, 17030-17041.	3.4	48
83	Coronin 1B Regulates S1P-Induced Human Lung Endothelial Cell Chemotaxis: Role of PLD2, Protein Kinase C and Rac1 Signal Transduction. <i>PLoS ONE</i> , 2013, 8, e63007.	2.5	21
84	Sphingosine-1-Phosphate Receptor ³ Is a Novel Biomarker in Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 628-636.	2.9	73
85	Inhibition of serine palmitoyltransferase delays the onset of radiation-induced pulmonary fibrosis through the negative regulation of sphingosine kinase-1 expression. <i>Journal of Lipid Research</i> , 2012, 53, 1553-1568.	4.2	43
86	Hydroxyalkenals and oxidized phospholipids modulation of endothelial cytoskeleton, focal adhesion and adherens junction proteins in regulating endothelial barrier function. <i>Microvascular Research</i> , 2012, 83, 45-55.	2.5	47
87	Particulate matter air pollution disrupts endothelial cell barrier via calpain-mediated tight junction protein degradation. <i>Particle and Fibre Toxicology</i> , 2012, 9, 35.	6.2	90
88	Sphingosine Kinase 1 Is Required for Mesothelioma Cell Proliferation: Role of Histone Acetylation. <i>PLoS ONE</i> , 2012, 7, e45330.	2.5	15
89	PAR ¹ induced AMPK ³⁸ MAPK signaling axis mediates STIM1 phosphorylation to prevent calcium entry through TRPC channels in endothelial cells. <i>FASEB Journal</i> , 2012, 26, 1056.13.	0.5	0
90	FoxM1 mediates the progenitor function of type II epithelial cells in repairing alveolar injury induced by <i>Pseudomonas aeruginosa</i> . <i>Journal of Experimental Medicine</i> , 2011, 208, 1473-1484.	8.5	85

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91	Sphingosine kinase localization in the control of sphingolipid metabolism. <i>Advances in Enzyme Regulation</i> , 2011, 51, 229-244.	2.6	31
92	Nrf2 regulates hyperoxia-induced Nox4 expression in human lung endothelium: Identification of functional antioxidant response elements on the Nox4 promoter. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1749-1759.	2.9	89
93	Characterization of sphingosine-1-phosphate lyase activity by electrospray ionization-liquid chromatography/tandem mass spectrometry quantitation of (2E)-hexadecenal. <i>Analytical Biochemistry</i> , 2011, 408, 12-18.	2.4	37
94	Simvastatin Attenuates Radiation-Induced Murine Lung Injury and Dysregulated Lung Gene Expression. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 44, 415-422.	2.9	62
95	Role of sphingolipids in murine radiation-induced lung injury: protection by sphingosine 1-phosphate analogs. <i>FASEB Journal</i> , 2011, 25, 3388-3400.	0.5	57
96	Photolysis of caged sphingosine-1-phosphate induces barrier enhancement and intracellular activation of lung endothelial cell signaling pathways. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L840-L850.	2.9	33
97	Protection of LPS-Induced Murine Acute Lung Injury by Sphingosine-1-Phosphate Lyase Suppression. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 426-435.	2.9	110
98	Intracellular S1P Generation Is Essential for S1P-Induced Motility of Human Lung Endothelial Cells: Role of Sphingosine Kinase 1 and S1P Lyase. <i>PLoS ONE</i> , 2011, 6, e16571.	2.5	49
99	Redox regulation of Nox proteins. <i>Respiratory Physiology and Neurobiology</i> , 2010, 174, 265-271.	1.6	102
100	Differential Effects of Sphingosine 1-Phosphate Receptors on Airway and Vascular Barrier Function in the Murine Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 43, 394-402.	2.9	150
101	The Sphingosine Kinase 1 Inhibitor 2-(p-Hydroxyanilino)-4-(p-chlorophenyl)thiazole Induces Proteasomal Degradation of Sphingosine Kinase 1 in Mammalian Cells*. <i>Journal of Biological Chemistry</i> , 2010, 285, 38841-38852.	3.4	106
102	Phospholipase D-mediated Activation of IQGAP1 through Rac1 Regulates Hyperoxia-induced p47 Translocation and Reactive Oxygen Species Generation in Lung Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 15339-15352.	3.4	61
103	Role of Nox4 and Nox2 in Hyperoxia-Induced Reactive Oxygen Species Generation and Migration of Human Lung Endothelial Cells. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 747-764.	5.4	167
104	FTY720 Inhibits Ceramide Synthases and Up-regulates Dihydrosphingosine 1-Phosphate Formation in Human Lung Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 5467-5477.	3.4	146
105	CFTR Regulation of Intracellular pH and Ceramides Is Required for Lung Endothelial Cell Apoptosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 41, 314-323.	2.9	45
106	Regulation of COX-2 Expression and IL-6 Release by Particulate Matter in Airway Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 40, 19-30.	2.9	78
107	Role of acylglycerol kinase in LPA-induced IL-8 secretion and transactivation of epidermal growth factor-receptor in human bronchial epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L328-L336.	2.9	39
108	Differential regulation of sphingosine kinases 1 and 2 in lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L603-L613.	2.9	86

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109	Dynamin 2 and c-Abl Are Novel Regulators of Hyperoxia-mediated NADPH Oxidase Activation and Reactive Oxygen Species Production in Caveolin-enriched Microdomains of the Endothelium. <i>Journal of Biological Chemistry</i> , 2009, 284, 34964-34975.	3.4	32
110	Protein Kinase C- μ Regulates Sphingosine 1-Phosphate-mediated Migration of Human Lung Endothelial Cells through Activation of Phospholipase D2, Protein Kinase C- η , and Rac1. <i>Journal of Biological Chemistry</i> , 2008, 283, 11794-11806.	3.4	51
111	Lysophosphatidic acid-induced transactivation of epidermal growth factor receptor regulates cyclo-oxygenase-2 expression and prostaglandin E2 release via C/EBP β in human bronchial epithelial cells. <i>Biochemical Journal</i> , 2008, 412, 153-162.	3.7	52
112	Intracellular Generation of Sphingosine 1-Phosphate in Human Lung Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 14165-14177.	3.4	120
113	Integrin signalling regulates the nuclear localization and function of the lysophosphatidic acid receptor-1 (LPA1) in mammalian cells. <i>Biochemical Journal</i> , 2006, 398, 55-62.	3.7	32
114	Transcriptional regulation of lysophosphatidic acid-induced interleukin-8 expression and secretion by p38 MAPK and JNK in human bronchial epithelial cells. <i>Biochemical Journal</i> , 2006, 393, 657-668.	3.7	93
115	De novo biosynthesis of dihydrosphingosine-1-phosphate by sphingosine kinase 1 in mammalian cells. <i>Cellular Signalling</i> , 2006, 18, 1779-1792.	3.6	83
116	Oxidized Phospholipids Reduce Vascular Leak and Inflammation in Rat Model of Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 1130-1138.	5.6	121
117	Regulation of Lysophosphatidic Acid-induced Epidermal Growth Factor Receptor Transactivation and Interleukin-8 Secretion in Human Bronchial Epithelial Cells by Protein Kinase C δ , Lyn Kinase, and Matrix Metalloproteinases. <i>Journal of Biological Chemistry</i> , 2006, 281, 19501-19511.	3.4	91
118	Redox Regulation of 4-Hydroxy-2-nonenal-mediated Endothelial Barrier Dysfunction by Focal Adhesion, Adherens, and Tight Junction Proteins. <i>Journal of Biological Chemistry</i> , 2006, 281, 35554-35566.	3.4	152
119	Lipid Phosphate Phosphatase-1 Regulates Lysophosphatidate-induced Fibroblast Migration by Controlling Phospholipase D2-dependent Phosphatidate Generation. <i>Journal of Biological Chemistry</i> , 2006, 281, 38418-38429.	3.4	56
120	Lipid phosphate phosphatase-1 regulates lysophosphatidic acid-induced calcium release, NF- κ B activation and interleukin-8 secretion in human bronchial epithelial cells. <i>Biochemical Journal</i> , 2005, 385, 493-502.	3.7	70
121	Ceramide upregulation causes pulmonary cell apoptosis and emphysema-like disease in mice. <i>Nature Medicine</i> , 2005, 11, 491-498.	30.7	471
122	Quantitative analysis of sphingoid base-1-phosphates as bisacetylated derivatives by liquid chromatography-tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2005, 339, 129-136.	2.4	125
123	Src-mediated Tyrosine Phosphorylation of p47 in Hyperoxia-induced Activation of NADPH Oxidase and Generation of Reactive Oxygen Species in Lung Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 20700-20711.	3.4	132
124	Signaling Pathways Involved in Adenosine Triphosphate-Induced Endothelial Cell Barrier Enhancement. <i>Circulation Research</i> , 2005, 97, 115-124.	4.5	72
125	Role of Mitogen-activated Protein Kinases in 4-Hydroxy-2-nonenal-induced Actin Remodeling and Barrier Function in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 11789-11797.	3.4	144
126	Protein Kinase C δ Mediates Lysophosphatidic Acid-induced NF- κ B Activation and Interleukin-8 Secretion in Human Bronchial Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 41085-41094.	3.4	114

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127	Involvement of Phospholipase D2 in Lysophosphatidate-induced Transactivation of Platelet-derived Growth Factor Receptor- β in Human Bronchial Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 39931-39940.	3.4	61
128	Role of sphingosine-1 phosphate in the enhancement of endothelial barrier integrity by platelet-released products. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 285, L258-L267.	2.9	159
129	Hyperoxia-induced NAD(P)H oxidase activation and regulation by MAP kinases in human lung endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 284, L26-L38.	2.9	180
130	Involvement of phospholipases D1 and D2 in sphingosine 1-phosphate-induced ERK (extracellular-signal-regulated kinase) activation and interleukin-8 secretion in human bronchial epithelial cells. <i>Biochemical Journal</i> , 2002, 367, 751-760.	3.7	62
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133	Phospholipase D/phosphatidic acid signal transduction: role and physiological significance in lung. <i>Molecular and Cellular Biochemistry</i> , 2002, 234-235, 99-109.	3.1	34
134	Regulation of endothelial cell myosin light chain kinase by Rho, cortactin, and p60 ^{src} . <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L989-L998.	2.9	103
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