

Viswanathan Natarajan

List of Publications by Year in descending order

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139
papers

7,675
citations

34105

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60623

81
g-index

140
all docs

140
docs citations

140
times ranked

9187
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Ceramide upregulation causes pulmonary cell apoptosis and emphysema-like disease in mice. <i>Nature Medicine</i> , 2005, 11, 491-498. | 30.7 | 471 |
| 2 | Reactive oxygen species at the crossroads of inflammasome and inflammation. <i>Frontiers in Physiology</i> , 2014, 5, 352. | 2.8 | 341 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Intracellular Generation of Sphingosine 1-Phosphate in Human Lung Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 14165-14177. | 3.4 | 120 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Redox regulation of Nox proteins. <i>Respiratory Physiology and Neurobiology</i> , 2010, 174, 265-271. | 1.6 | 102 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Lysophosphatidic Acid Receptor α 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 |
| 30 | 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 |
| 31 | Targeting sphingosine kinase 1 attenuates bleomycin-induced pulmonary fibrosis. <i>FASEB Journal</i> , 2013, 27, 1749-1760. | 0.5 | 83 |
| 32 | 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 |
| 33 | Phospholipase D Activation by Sphingosine 1-Phosphate Regulates Interleukin-8 Secretion in Human Bronchial Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 30227-30235. | 3.4 | 74 |
| 34 | Sphingosine-1-Phosphate Receptor α 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 |
| 35 | 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 |
| 36 | Lipid Mediators Regulate Pulmonary Fibrosis: Potential Mechanisms and Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4257. | 4.1 | 73 |

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|----|---|------|-----------|
| 37 | Signaling Pathways Involved in Adenosine Triphosphate-Induced Endothelial Cell Barrier Enhancement. <i>Circulation Research</i> , 2005, 97, 115-124. | 4.5 | 72 |
| 38 | 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 |
| 39 | Regulation of phospholipase D by tyrosine kinases. <i>Chemistry and Physics of Lipids</i> , 1996, 80, 103-116. | 3.2 | 69 |
| 40 | 4-hydroxynonenal, a metabolite of lipid peroxidation, activates phospholipase D in vascular endothelial cells. <i>Free Radical Biology and Medicine</i> , 1993, 15, 365-375. | 2.9 | 67 |
| 41 | Activation of Protein Phosphorylation by Oxidants in Vascular Endothelial Cells: Identification of Tyrosine Phosphorylation of Caveolin. <i>Free Radical Biology and Medicine</i> , 1997, 22, 25-35. | 2.9 | 63 |
| 42 | Sphingolipids in pulmonary fibrosis. <i>Advances in Biological Regulation</i> , 2015, 57, 55-63. | 2.3 | 63 |
| 43 | 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 |
| 44 | 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 | 62 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | Phospholipase D-mediated Activation of IQGAP1 through Rac1 Regulates Hypoxia-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 |
| 49 | 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 |
| 50 | 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 |
| 51 | Airway Epithelial Cell-Derived Colony Stimulating Factor-1 Promotes Allergen Sensitization. <i>Immunity</i> , 2018, 49, 275-287.e5. | 14.3 | 57 |
| 52 | 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 |
| 53 | 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 |
| 54 | Targeting sphingosine-1-phosphate signaling in lung diseases. , 2016, 168, 143-157. | | 54 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 β Mitogen-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2013, 288, 17030-17041. | 3.4 | 48 |
| 61 | Occurrence of N-acyl ethanolamine phospholipids in fish brain and spinal cord. <i>Lipids and Lipid Metabolism</i> , 1985, 835, 426-433. | 2.6 | 47 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | Role of Migratory Inhibition Factor in Age-Related Susceptibility to Radiation Lung Injury via NF-E2 α -Related Factor β 2 and Antioxidant Regulation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 269-278. | 2.9 | 45 |
| 66 | 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 |
| 67 | Role of Nicotinamide Adenine Dinucleotide Phosphate β -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 |
| 68 | 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 |
| 69 | 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 |
| 70 | 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 |
| 71 | Nuclear factor, erythroid 2-like 2-associated molecular signature predicts lung cancer survival. <i>Scientific Reports</i> , 2015, 5, 16889. | 3.3 | 39 |
| 72 | 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 |

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|----|--|-----|-----------|
| 73 | 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 |
| 74 | <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 |
| 75 | 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 |
| 76 | 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 |
| 77 | Polyunsaturated lysophosphatidic acid as a potential asthma biomarker. <i>Biomarkers in Medicine</i> , 2016, 10, 123-135. | 1.4 | 37 |
| 78 | 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 |
| 79 | 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 |
| 80 | Phosphatase Inhibitors Potentiate 4-Hydroxynonenal-induced Phospholipase D Activation in Vascular Endothelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1997, 17, 251-259. | 2.9 | 33 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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 |
| 87 | Light-regulated allosteric switch enables temporal and subcellular control of enzyme activity. <i>ELife</i> , 2020, 9, . | 6.0 | 32 |
| 88 | Sphingosine kinase localization in the control of sphingolipid metabolism. <i>Advances in Enzyme Regulation</i> , 2011, 51, 229-244. | 2.6 | 31 |
| 89 | Phosphatidic Acid Produced by Ra1A-activated PLD2 Stimulates Caveolae-mediated Endocytosis and Trafficking in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 20729-20738. | 3.4 | 30 |
| 90 | 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 |

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|-----|---|-----|-----------|
| 91 | 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 |
| 92 | Lysocardiolipin acyltransferase regulates TGF- β 2 mediated lung fibroblast differentiation. <i>Free Radical Biology and Medicine</i> , 2017, 112, 162-173. | 2.9 | 28 |
| 93 | 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 |
| 94 | 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 |
| 95 | 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 |
| 96 | 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 |
| 97 | The Role of Nicotinamide Adenine Dinucleotide Phosphate Oxidases in Lung Architecture Remodeling. <i>Antioxidants</i> , 2017, 6, 104. | 5.1 | 23 |
| 98 | eNAMPT neutralization reduces preclinical ARDS severity via rectified NF κ B and Akt/mTORC2 signaling. <i>Scientific Reports</i> , 2022, 12, 696. | 3.3 | 23 |
| 99 | 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 |
| 100 | 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 |
| 101 | Pulmonary Endothelial Cell Barrier Enhancement by Novel FTY720 Analogs: Methoxy-FTY720, Fluoro-FTY720, and I ² -Glucuronide-FTY720. <i>Chemistry and Physics of Lipids</i> , 2015, 191, 16-24. | 3.2 | 21 |
| 102 | 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 |
| 103 | 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 |
| 104 | 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 |
| 105 | Phospholipase D Signaling Mediates Reactive Oxygen Species-Induced Lung Endothelial Barrier Dysfunction. <i>Pulmonary Circulation</i> , 2013, 3, 108-115. | 1.7 | 18 |
| 106 | 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 |
| 107 | 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 |
| 108 | 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 |

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|-----|---|-----|-----------|
| 109 | Sphingosine Kinase 1 Is Required for Mesothelioma Cell Proliferation: Role of Histone Acetylation. <i>PLoS ONE</i> , 2012, 7, e45330. | 2.5 | 15 |
| 110 | Regulation of Thrombin-Induced Lung Endothelial Cell Barrier Disruption by Protein Kinase C Delta. <i>PLoS ONE</i> , 2016, 11, e0158865. | 2.5 | 15 |
| 111 | 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 |
| 112 | âœPulmonary Endothelial Cell Barrier Enhancement by Novel FTY720 Analogs: Methoxy-FTY720, Fluoro-FTY720, and ¹² -Glucuronide-FTY720âœ. <i>Chemistry and Physics of Lipids</i> , 2016, 194, 85-93. | 3.2 | 13 |
| 113 | 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 |
| 114 | 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 |
| 115 | Sphingolipids Signaling in Lamellipodia Formation and Enhancement of Endothelial Barrier Function. <i>Current Topics in Membranes</i> , 2018, 82, 1-31. | 0.9 | 12 |
| 116 | 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 |
| 117 | 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 |
| 118 | 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 |
| 119 | Nuclear Sphingosine-1-phosphate Lyase Generated α^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 |
| 120 | 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 |
| 121 | Sphingosine kinase 1 regulates lysyl oxidase through STAT3 in hyperoxia-mediated neonatal lung injury. <i>Thorax</i> , 2022, 77, 47-57. | 5.6 | 8 |
| 122 | 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 |
| 123 | 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 |
| 124 | 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 |
| 125 | Cortactin Modulates Lung Endothelial Apoptosis Induced by Cigarette Smoke. <i>Cells</i> , 2021, 10, 2869. | 4.1 | 6 |
| 126 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | 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 |
| 128 | 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 |
| 129 | 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 |
| 130 | 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 |
| 131 | My Journey in Academia as a Lipid Biochemist. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 433-444. | 1.8 | 2 |
| 132 | 17 β -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 |
| 133 | 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 |
| 134 | Cigarette or E-cigarette content alters autophagy and permeability of lung endothelium. <i>FASEB Journal</i> , 2021, 35, . | 0.5 | 0 |
| 135 | PAR1 induced AMPK β 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 |
| 136 | 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 |
| 137 | Stainless Imaging To Identify The Biochemical changes during Bleomycin-Induced Pulmonary Fibrosis By Fourier Transform Infrared Technique. <i>FASEB Journal</i> , 2018, 32, 674.2. | 0.5 | 0 |
| 138 | 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 |
| 139 | Sphingosine Kinase 2 Expression in CD11b + Macrophages Negatively Regulates cGAS/STING Activity and Resolves Lung Injury. <i>FASEB Journal</i> , 2018, 32, 832.18. | 0.5 | 0 |