# Stefan Uhlig

List of Publications by Year
in descending order

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|---|---|---|---|
| 184 papers | 12,064 citations | 29994 54 h-index | 29081 104 g-index |
| 191 all docs | 191 docs citations | 191 times ranked | 15072 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Angiotensin-converting enzyme 2 protects from severe acute lung failure. Nature, 2005, 436, 112-116. | 13.7 | 2,264 |
| 2 | Hyperventilation Induces Release of Cytokines from Perfused Mouse Lung. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 263-272. | 2.5 | 316 |
| 3 | PAF-mediated pulmonary edema: a new role for acid sphingomyelinase and ceramide. Nature Medicine, 2004, 10, 155-160. | 15.2 | 276 |
| 4 | CXCL10-CXCR3 Enhances the Development of Neutrophil-mediated Fulminant Lung Injury of Viral and Nonviral Origin. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 65-77. | 2.5 | 248 |
| 5 | Ventilation-Induced Chemokine and Cytokine Release Is Associated with Activation of Nuclear Factor- Î² B and Is Blocked by Steroids. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 711-716. | 2.5 | 247 |
| 6 | Ventilation-induced lung injury and mechanotransduction: stretching it too far?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L892-L896. | 1.3 | 226 |
| 7 | The Effects of Different Ventilatory Settings on Pulmonary and Systemic Inflammatory Responses During Major Surgery. Anesthesia and Analgesia, 2004, 98, 775-781. | 1.1 | 195 |
| 8 | The physiological consequences of glutathione variations. Life Sciences, 1992, 51, 1083-1094. | 2.0 | 178 |
| 9 | Ventilator-induced lung injury leads to loss of alveolar and systemic compartmentalization of tumor necrosis factor-Î±. Intensive Care Medicine, 2000, 26, 1515-1522. | 3.9 | 168 |
| 10 | Characterisation of guinea pig precision-cut lung slices: comparison with human tissues. European Respiratory Journal, 2006, 28, 603-611. | 3.1 | 149 |
| 11 | Sphingolipids in the Lungs. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 1100-1114. | 2.5 | 139 |
| 12 | Models and mechanisms of acute lung injury caused by direct insults. European Journal of Cell Biology, 2012, 91, 590-601. | 1.6 | 139 |
| 13 | A Disintegrin and Metalloproteinase 17 (ADAM17) Mediates Inflammation-induced Shedding of Syndecan-1 and -4 by Lung Epithelial Cells. Journal of Biological Chemistry, 2010, 285, 555-564. | 1.6 | 137 |
| 14 | Variable Tidal Volumes Improve Lung Protective Ventilation Strategies in Experimental Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 684-693. | 2.5 | 136 |
| 15 | Videomicroscopy of methacholine-induced contraction of individual airways in precision-cut lung slices. European Respiratory Journal, 1996, 9, 2479-2487. | 3.1 | 132 |
| 16 | DNA microarray analysis of gene expression in alveolar epithelial cells in response to TNFÎ±, LPS, and cyclic stretch. Physiological Genomics, 2004, 19, 331-342. | 1.0 | 132 |
| 17 | ICE-protease inhibitors block murine liver injury and apoptosis caused by CD95 or by TNF-Î±. Immunology Letters, 1997, 55, 5-10. | 1.1 | 130 |
| 18 | Characterization of airway and vascular responses in murine lungs. British Journal of Pharmacology, 1999, 126, 1191-1199. | 2.7 | 125 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The early allergic response in small airways of human precision-cut lung slices. European Respiratory Journal, 2003, 21, 1024-1032. | 3.1 | 120 |
| 20 | Mechanical ventilation strategies and inflammatory responses to cardiac surgery: a prospective randomized clinical trial. Intensive Care Medicine, 2005, 31, 1379-1387. | 3.9 | 115 |
| 21 | Stretch Activates Nitric Oxide Production in Pulmonary Vascular Endothelial CellsIn Situ. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 1391-1398. | 2.5 | 111 |
| 22 | Activin A is an acute allergen-responsive cytokine and provides a link to TGF-Î²â€“mediated airway remodeling in asthma. Journal of Allergy and Clinical Immunology, 2006, 117, 111-118. | 1.5 | 108 |
| 23 | ADAM-family metalloproteinases in lung inflammation: potential therapeutic targets. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L325-L343. | 1.3 | 108 |
| 24 | Î±Î² T Cell Receptor-positive Cells and Interferon-Î³, but not Inducible Nitric Oxide Synthase, Are Critical for Granuloma Necrosis in a Mouse Model of Mycobacteria-induced Pulmonary Immunopathology. Journal of Experimental Medicine, 2001, 194, 1847-1859. | 4.2 | 101 |
| 25 | Optimising experimental research in respiratory diseases: an ERS statement. European Respiratory Journal, 2018, 51, 1702133. | 3.1 | 98 |
| 26 | Gene expression profiling of target genes in ventilator-induced lung injury. Physiological Genomics, 2006, 26, 68-75. | 1.0 | 95 |
| 27 | Mechanical Stress and the Induction of Lung Fibrosis via the Midkine Signaling Pathway. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 315-323. | 2.5 | 93 |
| 28 | Ex vivo testing of immune responses in precision-cut lung slices. Toxicology and Applied Pharmacology, 2008, 231, 68-76. | 1.3 | 92 |
| 29 | Smart Medical Information Technology for Healthcare (SMITH). Methods of Information in Medicine, 2018, 57, e92-e105. | 0.7 | 89 |
| 30 | Different Ventilation Strategies Affect Lung Function but Do Not Increase Tumor Necrosis Factor-Î± and Prostacyclin Production in Lavaged Rat Lungs In VivoÂ. Anesthesiology, 1999, 91, 1834-1834. | 1.3 | 88 |
| 31 | Ventilation-induced activation of the mitogen-activated protein kinase pathway. European Respiratory Journal, 2002, 20, 946-956. | 3.1 | 87 |
| 32 | Lung endothelial ADAM17 regulates the acute inflammatory response to lipopolysaccharide. EMBO Molecular Medicine, 2012, 4, 412-423. | 3.3 | 86 |
| 33 | An improved setup for the isolated perfused rat lung. Journal of Pharmacological and Toxicological Methods, 1994, 31, 85-94. | 0.3 | 83 |
| 34 | Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, e1-e14. | 1.4 | 82 |
| 35 | Lung Endothelial Ca<sup>2+</sup> and Permeability Response to Platelet-Activating Factor Is Mediated by Acid Sphingomyelinase and Transient Receptor Potential Classical 6. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 160-170. | 2.5 | 80 |
| 36 | Phosphoinositide 3-OH Kinase Inhibition Prevents Ventilation-induced Lung Cell Activation. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 201-208. | 2.5 | 78 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The role of sphingolipids in respiratory disease. Therapeutic Advances in Respiratory Disease, 2011, 5, 325-344. | 1.0 | 78 |
| 38 | Vascular Barrier Regulation by PAF, Ceramide, Caveolae, and NO - an Intricate Signaling Network with Discrepant Effects in the Pulmonary and Systemic Vasculature. Cellular Physiology and Biochemistry, 2010, 26, 29-40. | 1.1 | 74 |
| 39 | Mechanisms of Endotoxin-Induced Airway and Pulmonary Vascular Hyperreactivity in Mice. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 1547-1552. | 2.5 | 73 |
| 40 | Potent and Selective Inhibition of Acid Sphingomyelinase by Bisphosphonates. Angewandte Chemie - International Edition, 2009, 48, 7560-7563. | 7.2 | 73 |
| 41 | Pressure support improves oxygenation and lung protection compared to pressure-controlled ventilation and is further improved by random variation of pressure support*. Critical Care Medicine, 2011, 39, 746-755. | 0.4 | 71 |
| 42 | Pumpless extracorporeal lung assist for protective mechanical ventilation in experimental lung injury*. Critical Care Medicine, 2007, 35, 2359-2366. | 0.4 | 68 |
| 43 | Material model of lung parenchyma based on living precision-cut lung slice testing. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 583-592. | 1.5 | 66 |
| 44 | Biotrauma Hypothesis of Ventilator-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 314-316. | 2.5 | 65 |
| 45 | Potentiation by granulocyte macrophage colony-stimulating factor of lipopolysaccharide toxicity in mice.. Journal of Clinical Investigation, 1994, 93, 2616-2622. | 3.9 | 64 |
| 46 | Immediate Allergic Response in Small Airways. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 1462-1469. | 2.5 | 61 |
| 47 | Platelet-Activating Factorâ€“induced Pulmonary Edema Is Partly Mediated by Prostaglandin E2, E-Prostanoid 3-Receptors, and Potassium Channels. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 657-662. | 2.5 | 61 |
| 48 | Ex Vivo Lung Function Measurements in Precision-Cut Lung Slices (PCLS) from Chemical Allergenâ€“Sensitized Mice Represent a Suitable Alternative to In Vivo Studies. Toxicological Sciences, 2008, 106, 444-453. | 1.4 | 61 |
| 49 | Orai1 Determines Calcium Selectivity of an Endogenous TRPC Heterotetramer Channel. Circulation Research, 2012, 110, 1435-1444. | 2.0 | 61 |
| 50 | Pharmacological interventions in ventilator-induced lung injury. Trends in Pharmacological Sciences, 2004, 25, 592-600. | 4.0 | 58 |
| 51 | Recurrent Recruitment Manoeuvres Improve Lung Mechanics and Minimize Lung Injury during Mechanical Ventilation of Healthy Mice. PLoS ONE, 2011, 6, e24527. | 1.1 | 57 |
| 52 | Improved Pulmonary Function by Acid Sphingomyelinase Inhibition in a Newborn Piglet Lavage Model. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 1233-1241. | 2.5 | 56 |
| 53 | Neurally Mediated Airway Constriction in Human and Other Species: A Comparative Study Using Precision-Cut Lung Slices (PCLS). PLoS ONE, 2012, 7, e47344. | 1.1 | 54 |
| 54 | Differential Regulation of Lung Endothelial Permeability <b><i>in Vitro</i></b> and <b><i>in Situ</i></b>. Cellular Physiology and Biochemistry, 2014, 34, 1-19. | 1.1 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Leukocytes require ADAM10 but not ADAM17 for their migration and inflammatory recruitment into the alveolar space. Blood, 2014, 123, 4077-4088. | 0.6 | 54 |
| 56 | Modulation of Bacterial Growth by Tumor Necrosis Factor-Î±In VitroandIn Vivo. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 1462-1470. | 2.5 | 53 |
| 57 | Inflammatory processes during acute respiratory distress syndrome: a complex system. Current Opinion in Critical Care, 2018, 24, 1-9. | 1.6 | 52 |
| 58 | Inhibition of Poly(Adenosine Diphosphateâ€“Ribose) Polymerase Attenuates Ventilator-induced Lung Injury. Anesthesiology, 2008, 108, 261-268. | 1.3 | 52 |
| 59 | Quinine inhibits release of tumor necrosis factor, apoptosis, necrosis and mortality in a murine model of septic liver failure. European Journal of Pharmacology, 1995, 294, 353-355. | 1.7 | 47 |
| 60 | Early Alterations in Intracellular and Alveolar Surfactant of the Rat Lung in Response to Endotoxin. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 1630-1639. | 2.5 | 47 |
| 61 | Biaxial distension of precision-cut lung slices. Journal of Applied Physiology, 2010, 108, 713-721. | 1.2 | 47 |
| 62 | Platelet-activating factor reduces endothelial nitric oxide production: role of acid sphingomyelinase. European Respiratory Journal, 2010, 36, 417-427. | 3.1 | 46 |
| 63 | Cytokine-Induced Bronchoconstriction in Precision-Cut Lung Slices Is Dependent upon Cyclooxygenase-2 and Thromboxane Receptor Activation. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 139-145. | 1.4 | 45 |
| 64 | Cyclooxygenase-2-Dependent Bronchoconstriction in Perfused Rat Lungs Exposed to Endotoxin. Molecular Medicine, 1996, 2, 373-383. | 1.9 | 44 |
| 65 | Requirements for leukocyte transmigration via the transmembrane chemokine CX3CL1. Cellular and Molecular Life Sciences, 2010, 67, 4233-4248. | 2.4 | 44 |
| 66 | Bronchoconstriction in nonhuman primates: a species comparison. Journal of Applied Physiology, 2011, 111, 791-798. | 1.2 | 43 |
| 67 | Basal lung mechanics and airway and pulmonary vascular responsiveness in different inbred mouse strains. Journal of Applied Physiology, 2000, 88, 2192-2198. | 1.2 | 41 |
| 68 | Reduced rather than enhanced cholinergic airway constriction in mice with ablation of the large conductance Ca 2+ â€activated K + channel. FASEB Journal, 2007, 21, 812-822. | 0.2 | 40 |
| 69 | PDGF-BB regulates the pulmonary vascular tone: impact of prostaglandins, calcium, MAPK- and PI3K/AKT/mTOR signalling and actin polymerisation in pulmonary veins of guinea pigs. Respiratory Research, 2018, 19, 120. | 1.4 | 39 |
| 70 | Ether lipids in the cell membrane of Mycoplasma fermentans. FEBS Journal, 2000, 267, 6276-6286. | 0.2 | 37 |
| 71 | Irradiation-Induced Pneumonitis Mediated by the CD95/CD95-Ligand System. Journal of the National Cancer Institute, 2006, 98, 1248-1251. | 3.0 | 37 |
| 72 | Surfactant protein D inhibits early airway response in Aspergillus fumigatus-sensitized mice. Clinical and Experimental Allergy, 2006, 36, 930-940. | 1.4 | 36 |

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|---|---|---|---|
| 73 | Antenatal Inflammation Reduces Expression of Caveolin-1 and Influences Multiple Signaling Pathways in Preterm Fetal Lungs. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 969-976. | 1.4 | 36 |
| 74 | Altered Pulmonary Vascular Reactivity in Mice with Excessive Erythrocytosis. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 829-835. | 2.5 | 35 |
| 75 | Ventilation-Induced Lung Injury. , 2011, 1, 635-61. | | 35 |
| 76 | Exogenous surfactant reduces ventilator-induced decompartmentalization of tumor necrosis factor Î± in absence of positive end-expiratory pressure. Intensive Care Medicine, 2002, 28, 1131-1137. | 3.9 | 33 |
| 77 | Electric field stimulation of precision-cut lung slices. Journal of Applied Physiology, 2011, 110, 545-554. | 1.2 | 33 |
| 78 | Effect of Surfactant on Ventilation-induced Mediator Release in Isolated Perfused Mouse Lungs. Pulmonary Pharmacology and Therapeutics, 2002, 15, 455-461. | 1.1 | 32 |
| 79 | Reperfusion-Induced Gene Expression Profiles in Rat Lung Transplantation. American Journal of Transplantation, 2005, 5, 2160-2169. | 2.6 | 32 |
| 80 | Pulmonary Cytokine Responses During Mechanical Ventilation of Noninjured Lungs With and Without End-Expiratory Pressure. Anesthesia and Analgesia, 2008, 107, 1265-1275. | 1.1 | 32 |
| 81 | Effects of the TLR2 Agonists MALP-2 and Pam3Cys in Isolated Mouse Lungs. PLoS ONE, 2010, 5, e13889. | 1.1 | 32 |
| 82 | Pharmacologic characterization of endothelin receptor responses in the isolated perfused rat lung.. American Journal of Respiratory and Critical Care Medicine, 1995, 152, 1449-1460. | 2.5 | 31 |
| 83 | The inositol trisphosphate pathway mediates platelet-activating-factor-induced pulmonary oedema. European Respiratory Journal, 2005, 25, 849-857. | 3.1 | 30 |
| 84 | Cardiovascular Agents Affect the Tone of Pulmonary Arteries and Veins in Precision-Cut Lung Slices. PLoS ONE, 2011, 6, e29698. | 1.1 | 30 |
| 85 | Numerical identification method for the non-linear viscoelastic compressible behavior of soft tissue using uniaxial tensile tests and image registration â€“ Application to rat lung parenchyma. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 29, 360-374. | 1.5 | 30 |
| 86 | Injurious ventilation strategies cause systemic release of IL-6 and MIP-2 in rats in vivo *. Clinical Physiology and Functional Imaging, 2003, 23, 349-353. | 0.5 | 29 |
| 87 | Intercellular Adhesion Molecule-1 Mediates Cellular Cross-Talk between Parenchymal and Immune Cells after Lipopolysaccharide Neutralization. Journal of Immunology, 2004, 172, 608-616. | 0.4 | 29 |
| 88 | Thrombin stimulates albumin transcytosis in lung microvascular endothelial cells via activation of acid sphingomyelinase. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L720-L732. | 1.3 | 29 |
| 89 | One-hit Models of Ventilator-induced Lung Injury. Anesthesiology, 2017, 126, 909-922. | 1.3 | 29 |
| 90 | Measuring the weight of the isolated perfused rat lung during negative pressure ventilation. Journal of Pharmacological and Toxicological Methods, 1995, 33, 147-152. | 0.3 | 28 |

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|---|---|---|---|
| 91 | Ceramide alters endothelial cell permeability by a nonapoptotic mechanism. British Journal of Pharmacology, 2005, 145, 132-140. | 2.7 | 28 |
| 92 | A model of the isolated perfused rat small intestine. American Journal of Physiology - Renal Physiology, 2010, 298, G304-G313. | 1.6 | 28 |
| 93 | The zinc finger protein Gfi1 acts upstream of TNF to attenuate endotoxin-mediated inflammatory responses in the lung. European Journal of Immunology, 2006, 36, 421-430. | 1.6 | 27 |
| 94 | Milrinone Relaxes Pulmonary Veins in Guinea Pigs and Humans. PLoS ONE, 2014, 9, e87685. | 1.1 | 26 |
| 95 | Effects of the thromboxane receptor agonist U46619 and endothelin-1 on large and small airways. European Respiratory Journal, 2000, 16, 316. | 3.1 | 26 |
| 96 | Glutathione enhancement in various mouse organs and protection by glutathione isopropyl ester against liver injury. Biochemical Pharmacology, 1990, 39, 1877-1881. | 2.0 | 25 |
| 97 | Open lung approach vs acute respiratory distress syndrome network ventilation in experimental acute lung injury. British Journal of Anaesthesia, 2011, 107, 388-397. | 1.5 | 25 |
| 98 | Quinolines Attenuate PAF-induced Pulmonary Pressor Responses and Edema Formation. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 1734-1742. | 2.5 | 24 |
| 99 | Negative Pressure Ventilation and Positive Pressure Ventilation Promote Comparable Levels of Ventilator-induced Diaphragmatic Dysfunction in Rats. Anesthesiology, 2013, 119, 652-662. | 1.3 | 24 |
| 100 | Temporal Sequence of Pulmonary and Systemic Inflammatory Responses to Graded Polymicrobial Peritonitis in Mice. Infection and Immunity, 1999, 67, 5642-5650. | 1.0 | 24 |
| 101 | Differential effects of the mixed ET A /ET B -receptor antagonist bosentan on endothelin-induced bronchoconstriction, vasoconstriction and prostacyclin release. Naunyn-Schmiedeberg's Archives of Pharmacology, 2000, 362, 128-136. | 1.4 | 23 |
| 102 | Levosimendan Relaxes Pulmonary Arteries and Veins in Precision-Cut Lung Slices - The Role of KATP-Channels, cAMP and cGMP. PLoS ONE, 2013, 8, e66195. | 1.1 | 23 |
| 103 | Granulocyte-Macrophage Colony-Stimulating Factor Amplifies Lipopolysaccharide-induced Bronchoconstriction by a Neutrophil- and Cyclooxygenase 2-Dependent Mechanism. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 443-450. | 2.5 | 22 |
| 104 | Pressor responses to platelet-activating factor and thromboxane are mediated by Rho-kinase. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L250-L257. | 1.3 | 21 |
| 105 | Surfactant â€œfortificationâ€•by topical inhibition of nuclear factor-ÎºB activity in a newborn piglet lavage model*. Critical Care Medicine, 2007, 35, 2309-2318. | 0.4 | 21 |
| 106 | Low-Frequency Ultrasound Permeates the Human Thorax and Lung: a Novel Approach to Non-Invasive Monitoring. Ultraschall in Der Medizin, 2010, 31, 53-62. | 0.8 | 21 |
| 107 | Smooth Muscle Cells Relay Acute Pulmonary Inflammation via Distinct ADAM17/ErbB Axes. Journal of Immunology, 2014, 192, 722-731. | 0.4 | 21 |
| 108 | Shear Stress Counteracts Endothelial CX3CL1 Induction and Monocytic Cell Adhesion. Mediators of Inflammation, 2017, 2017, 1-10. | 1.4 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Inhalative IL-10 Attenuates Pulmonary Inflammation following Hemorrhagic Shock without Major Alterations of the Systemic Inflammatory Response. Mediators of Inflammation, 2012, 2012, 1-6. | 1.4 | 20 |
| 110 | Overexpression of CREMÎ± in T Cells Aggravates Lipopolysaccharide-Induced Acute Lung Injury. Journal of Immunology, 2013, 191, 1316-1323. | 0.4 | 20 |
| 111 | Autopsy registry can facilitate <scp>COVID</scp> â€19 research. EMBO Molecular Medicine, 2020, 12, e12885. | 3.3 | 20 |
| 112 | Initiation of LPS-induced pulmonary dysfunction and its recovery occur independent of T cells. BMC Pulmonary Medicine, 2018, 18, 174. | 0.8 | 19 |
| 113 | Tyrosine kinase inhibitors relax pulmonary arteries in human and murine precision-cut lung slices. Respiratory Research, 2019, 20, 111. | 1.4 | 19 |
| 114 | Changes in airway resistance by simultaneous exposure to TNF-Î± and IL-1Î² in perfused rat lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L595-L601. | 1.3 | 18 |
| 115 | A coupled approach for identification of nonlinear and compressible material models for soft tissue based on different experimental setups â€“ Exemplified and detailed for lung parenchyma. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 94, 126-143. | 1.5 | 18 |
| 116 | Using the One-Lung Method to Link p38 to Pro-Inflammatory Gene Expression during Overventilation in C57BL/6 and BALB/c Mice. PLoS ONE, 2012, 7, e41464. | 1.1 | 18 |
| 117 | HOPE technique enables western blot analysis from paraffin-embedded tissues. Pathology Research and Practice, 2004, 200, 469-472. | 1.0 | 17 |
| 118 | Mitogen-activated protein kinases p38 and ERK1/2 regulated control ofMycobacterium aviumreplication in primary murine macrophages is independent of tumor necrosis factor-Î± and interleukin-10. Innate Immunity, 2011, 17, 470-485. | 1.1 | 17 |
| 119 | Imatinib relaxes the pulmonary venous bed of guinea pigs. Respiratory Research, 2017, 18, 32. | 1.4 | 17 |
| 120 | Constituent-specific material behavior of soft biological tissue: experimental quantification and numerical identification for lung parenchyma. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1383-1400. | 1.4 | 17 |
| 121 | Mechanisms of platelet-activating factor (PAF)-mediated responses in the lung. Pharmacological Reports, 2005, 57 Suppl, 206-21. | 1.5 | 17 |
| 122 | Conserved responses to trichostatin A in rodent lungs exposed to endotoxin or stretch. Pulmonary Pharmacology and Therapeutics, 2009, 22, 593-602. | 1.1 | 16 |
| 123 | Sphingolipids in Acute Lung Injury. Handbook of Experimental Pharmacology, 2013, , 227-246. | 0.9 | 16 |
| 124 | The cAMP response element modulator (CREM) regulates TH2 mediated inflammation. Oncotarget, 2015, 6, 38538-38551. | 0.8 | 15 |
| 125 | Determination of vascular compliance, interstitial compliance, and capillary filtration coefficient in rat isolated perfused lungs. Journal of Pharmacological and Toxicological Methods, 1997, 37, 119-127. | 0.3 | 14 |
| 126 | Steroids and histone deacetylase in ventilation-induced gene transcription. European Respiratory Journal, 2007, 30, 865-877. | 3.1 | 14 |

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|---|---|---|---|
| 127 | Inositolâ€“Trisphosphate Reduces Alveolar Apoptosis and Pulmonary Edema in Neonatal Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 158-169. | 1.4 | 14 |
| 128 | Comparison of Airway Responses in Sheep of Different Age in Precision-Cut Lung Slices (PCLS). PLoS ONE, 2014, 9, e97610. | 1.1 | 14 |
| 129 | Interplay between Nuclear Factor Erythroid 2â€“Related Factor 2 and Amphiregulin during Mechanical Ventilation. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 668-677. | 1.4 | 14 |
| 130 | 18:1/18:1-Dioleoyl-phosphatidylglycerol prevents alveolar epithelial apoptosis and profibrotic stimulus in a neonatal piglet model of acute respiratory distress syndrome. Pulmonary Pharmacology and Therapeutics, 2014, 28, 25-34. | 1.1 | 14 |
| 131 | Acid sphingomyelinase regulates T<sub>H</sub>2Âcytokine release and bronchial asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 603-615. | 2.7 | 14 |
| 132 | Kidney calling lung and call back: how organs talk to each other. Nephrology Dialysis Transplantation, 2010, 25, 32-34. | 0.4 | 13 |
| 133 | Inflammatory Mediators in Tracheal Aspirates of Preterm Infants Participating in a Randomized Trial of Inhaled Nitric Oxide. PLoS ONE, 2017, 12, e0169352. | 1.1 | 13 |
| 134 | Experimental characterization and model identification of the nonlinear compressible material behavior of lung parenchyma. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 754-763. | 1.5 | 13 |
| 135 | Pulmonary phagocyte-derived NPY controls the pathology of severe influenza virus infection. Nature Microbiology, 2019, 4, 258-268. | 5.9 | 13 |
| 136 | Airway relaxant and anti-inflammatory properties of a PDE4 inhibitor with low affinity for the high-affinity rolipram binding site. Naunyn-Schmiedeberg's Archives of Pharmacology, 2002, 365, 284-289. | 1.4 | 12 |
| 137 | Levosimendan reduces segmental pulmonary vascular resistanceÂin isolated perfused rat lungs and relaxes human pulmonary vessels. PLoS ONE, 2020, 15, e0233176. | 1.1 | 12 |
| 138 | Interleukin-1 and nitric oxide protect against tumor necrosis factor ?-induced liver injury through distinct pathways*1. Hepatology, 1995, 22, 1829-1837. | 3.6 | 11 |
| 139 | Phosphodiesterase Inhibitors Prevent Endothelin-1-Induced Vasoconstriction, Bronchoconstriction, and Thromboxane Release in Perfused Rat Lung. Biochemical and Biophysical Research Communications, 1997, 231, 22-25. | 1.0 | 11 |
| 140 | Difficulties in modelling ARDS (2017 Grover Conference Series). Pulmonary Circulation, 2018, 8, 1-9. | 0.8 | 11 |
| 141 | Isolation and characterization of rat primary lung cells. In Vitro Cellular and Developmental Biology - Animal, 1995, 31, 684-691. | 0.7 | 10 |
| 142 | The effects of hydroxyethyl starch and gelatine on pulmonary cytokine production and oedema formation. Scientific Reports, 2018, 8, 5123. | 1.6 | 10 |
| 143 | Topical application of phosphatidylâ€inositolâ€3,5â€bisphosphate for acute lung injury in neonatal swine. Journal of Cellular and Molecular Medicine, 2012, 16, 2813-2826. | 1.6 | 9 |
| 144 | Detection of air trapping in chronic obstructive pulmonary disease by low frequency ultrasound. BMC Pulmonary Medicine, 2012, 12, 8. | 0.8 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Comparison of Recruitment Manoeuvres in Ventilated Sheep with Acute Respiratory Distress Syndrome. Lung, 2013, 191, 77-86. | 1.4 | 9 |
| 146 | Argon reduces the pulmonary vascular tone in rats and humans by GABA-receptor activation. Scientific Reports, 2019, 9, 1902. | 1.6 | 9 |
| 147 | Reevaluation of Lung Injury in TNF-Induced Shock: The Role of the Acid Sphingomyelinase. Mediators of Inflammation, 2020, 2020, 1-14. | 1.4 | 9 |
| 148 | Modulation of antigen-induced responses by serotonin and prostaglandin E2 via EP1 and EP4 receptors in the peripheral rat lung. European Journal of Pharmacology, 2013, 699, 141-149. | 1.7 | 8 |
| 149 | Assessment of Endothelial Permeability and Leukocyte Transmigration in Human Endothelial Cell Monolayers. Methods in Molecular Biology, 2011, 763, 319-332. | 0.4 | 8 |
| 150 | Pulmonary Responses to Overventilation in Late Multiple Organ Failure. Anesthesiology, 2006, 105, 1192-1200. | 1.3 | 7 |
| 151 | The Effects of Dexamethasone and Oxygen in Ventilated Adult Sheep with Early Phase Acute Respiratory Distress Syndrome. Lung, 2015, 193, 97-103. | 1.4 | 7 |
| 152 | Reference Gene Selection for Gene Expression Analyses in Mouse Models of Acute Lung Injury. International Journal of Molecular Sciences, 2021, 22, 7853. | 1.8 | 7 |
| 153 | Tolerance against tumor necrosis factor Î± (TNF)-induced hepatotoxicity in mice: the role of nitric oxide. Toxicology Letters, 1995, 82-83, 227-231. | 0.4 | 6 |
| 154 | The interaction of endothelin receptor responses in the isolated perfused rat lung. Naunyn-Schmiedeberg's Archives of Pharmacology, 1997, 356, 392-397. | 1.4 | 6 |
| 155 | Quantification of apoptotic and lytic cell death by video microscopy in combination with artificial neural networks. , 1998, 31, 20-28. | | 6 |
| 156 | Who Tidies Up the Lung?. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 1198-1199. | 2.5 | 6 |
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