# Andrew J Gow

List of Publications by Year
in descending order

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| 206 | 10,625 | 41344 | 32842 |
| --- | --- | --- | --- |
| papers | citations | 49 h-index | 100 g-index |

| 219 | 219 | 219 | 10917 |
| --- | --- | --- | --- |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fas-Induced Caspase Denitrosylation. Science, 1999, 284, 651-654. | 12.6 | 720 |
| 2 | Reactions between nitric oxide and haemoglobin under physiological conditions. Nature, 1998, 391, 169-173. | 27.8 | 556 |
| 3 | Methamphetamine neurotoxicity: necrotic and apoptotic mechanisms and relevance to human abuse and treatment. Brain Research Reviews, 2001, 36, 1-22. | 9.0 | 474 |
| 4 | Nitric oxide in the human respiratory cycle. Nature Medicine, 2002, 8, 711-717. | 30.7 | 445 |
| 5 | Effects of peroxynitriteâ€induced protein modifications on tyrosine phosphorylation and degradation. FEBS Letters, 1996, 385, 63-66. | 2.8 | 409 |
| 6 | The oxyhemoglobin reaction of nitric oxide. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 9027-9032. | 7.1 | 387 |
| 7 | Biological significance of nitric oxide-mediated protein modifications. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L262-L268. | 2.9 | 309 |
| 8 | Long-term Intermittent Hypoxia in Mice: Protracted Hypersomnolence with Oxidative Injury to Sleep-Wake Brain Regions. Sleep, 2004, 27, 194-201. | 1.1 | 309 |
| 9 | Carbon Dioxide Enhancement of Peroxynitrite-Mediated Protein Tyrosine Nitration. Archives of Biochemistry and Biophysics, 1996, 333, 42-48. | 3.0 | 304 |
| 10 | A Novel Reaction Mechanism for the Formation of S-Nitrosothiol in Vivo. Journal of Biological Chemistry, 1997, 272, 2841-2845. | 3.4 | 273 |
| 11 | Nitrosative stress: Metabolic pathway involving the flavohemoglobin. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14100-14105. | 7.1 | 269 |
| 12 | Basal and Stimulated Protein S-Nitrosylation in Multiple Cell Types and Tissues. Journal of Biological Chemistry, 2002, 277, 9637-9640. | 3.4 | 269 |
| 13 | Ascaris haemoglobin is a nitric oxide-activated â€˜deoxygenaseâ€™. Nature, 1999, 401, 497-502. | 27.8 | 215 |
| 14 | Routes to S-nitroso-hemoglobin formation with heme redox and preferential reactivity in the Â subunits. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 461-466. | 7.1 | 202 |
| 15 | Hemoglobin conformation couples erythrocyte S-nitrosothiol content to O2 gradients. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5709-5714. | 7.1 | 187 |
| 16 | Chronic exposure to air pollution particles increases the risk of obesity and metabolic syndrome: findings from a natural experiment in Beijing. FASEB Journal, 2016, 30, 2115-2122. | 0.5 | 181 |
| 17 | Flavohemoglobin denitrosylase catalyzes the reaction of a nitroxyl equivalent with molecular oxygen. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 10108-10112. | 7.1 | 154 |
| 18 | Nitric oxide chemistry and cellular signaling. Journal of Cellular Physiology, 2001, 187, 277-282. | 4.1 | 140 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | [38] Detection of reactive nitrogen species using 2,7-dichlorodihydrfluorescein and dihydrorhodamine 123. Methods in Enzymology, 1999, 301, 367-373. | 1.0 | 139 |
| 20 | Loss of Î±-hemoglobinâ€“stabilizing protein impairs erythropoiesis and exacerbates Î²-thalassemia. Journal of Clinical Investigation, 2004, 114, 1457-1466. | 8.2 | 138 |
| 21 | Molecular Mechanism of AHSP-Mediated Stabilization of Î±-Hemoglobin. Cell, 2004, 119, 629-640. | 28.9 | 137 |
| 22 | S-Nitrosylation of Surfactant Protein-D Controls Inflammatory Function. PLoS Biology, 2008, 6, e266. | 5.6 | 134 |
| 23 | Inhaled ethyl nitrite gas for persistent pulmonary hypertension of the newborn. Lancet, The, 2002, 360, 141-143. | 13.7 | 126 |
| 24 | A nitric oxide processing defect of red blood cells created by hypoxia: Deficiency of S-nitrosohemoglobin in pulmonary hypertension. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14801-14806. | 7.1 | 123 |
| 25 | Nitric oxide metabolites induced in Anopheles stephensi control malaria parasite infection. Free Radical Biology and Medicine, 2007, 42, 132-142. | 2.9 | 104 |
| 26 | Structure of oxidized Î±-haemoglobin bound to AHSP reveals a protective mechanism for haem. Nature, 2005, 435, 697-701. | 27.8 | 102 |
| 27 | S-Nitrosothiol measurements in biological systems. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 851, 140-151. | 2.3 | 102 |
| 28 | The Stability of Silver Nanoparticles in a Model of Pulmonary Surfactant. Environmental Science & Technology, 2013, 47, 11232-11240. | 10.0 | 99 |
| 29 | Inositols prevent and reverse endothelial dysfunction in diabetic rat and rabbit vasculature metabolically and by scavenging superoxide. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 218-223. | 7.1 | 98 |
| 30 | An erythroid chaperone that facilitates folding of Î±-globin subunits for hemoglobin synthesis. Journal of Clinical Investigation, 2007, 117, 1856-1865. | 8.2 | 96 |
| 31 | Pulmonary Toxicity of Instilled Silver Nanoparticles: Influence of Size, Coating and Rat Strain. PLoS ONE, 2015, 10, e0119726. | 2.5 | 94 |
| 32 | Folliculin Controls Lung Alveolar Enlargement and Epithelial Cell Survival through E-Cadherin, LKB1, and AMPK. Cell Reports, 2014, 7, 412-423. | 6.4 | 84 |
| 33 | Delayed Clearance ofPneumocystis cariniiInfection, Increased Inflammation, and Altered Nitric Oxide Metabolism in Lungs of Surfactant Proteinâ€“D Knockout Mice. Journal of Infectious Diseases, 2004, 189, 1528-1539. | 4.0 | 79 |
| 34 | Ancient origins of nitric oxide signaling in biological systems. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 14206-14207. | 7.1 | 77 |
| 35 | Characterization of Distinct Macrophage Subpopulations during Nitrogen Mustardâ€“Induced Lung Injury and Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 436-446. | 2.9 | 75 |
| 36 | S-nitrosothiol repletion by an inhaled gas regulates pulmonary function. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5792-5797. | 7.1 | 73 |

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| 37 | Pathophysiological functions of nitric oxide-mediated protein modifications. Toxicology, 2005, 208, 299-303. | 4.2 | 71 |
| 38 | Pentoxifylline attenuates nitrogen mustard-induced acute lung injury, oxidative stress and inflammation. Experimental and Molecular Pathology, 2014, 97, 89-98. | 2.1 | 71 |
| 39 | Enhanced Lung Injury and Delayed Clearance of Pneumocystis carinii in Surfactant Protein A-Deficient Mice: Attenuation of Cytokine Responses and Reactive Oxygen-Nitrogen Species. Infection and Immunity, 2004, 72, 6002-6011. | 2.2 | 68 |
| 40 | Reduced ischemia and reperfusion injury following exercise training. Medicine and Science in Sports and Exercise, 1997, 29, 509-516. | 0.4 | 62 |
| 41 | Toward point-of-care management of chronic respiratory conditions: Electrochemical sensing of nitrite content in exhaled breath condensate using reduced graphene oxide. Microsystems and Nanoengineering, 2017, 3, 17022. | 7.0 | 60 |
| 42 | Plasma Biomarkers of Oxidative Stress: Relationship to Lung Disease and Inhaled Nitric Oxide Therapy in Premature Infants. Pediatrics, 2008, 121, 555-561. | 2.1 | 56 |
| 43 | Early Alveolar Epithelial Dysfunction Promotes Lung Inflammation in a Mouse Model of Hermansky-Pudlak Syndrome. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 449-458. | 5.6 | 56 |
| 44 | Sulfidation of silver nanowires inside human alveolar epithelial cells: a potential detoxification mechanism. Nanoscale, 2013, 5, 9839. | 5.6 | 56 |
| 45 | A controlled trial of acute effects of human exposure to traffic particles on pulmonary oxidative stress and heart rate variability. Particle and Fibre Toxicology, 2014, 11, 45. | 6.2 | 55 |
| 46 | Immune Reconstitution duringPneumocystisLung Infection: Disruption of Surfactant Component Expression and Function byS-Nitrosylation. Journal of Immunology, 2009, 182, 2277-2287. | 0.8 | 53 |
| 47 | Surfactant Protein-D, a Mediator of Innate Lung Immunity, Alters the Products of Nitric Oxide Metabolism. American Journal of Respiratory Cell and Molecular Biology, 2004, 30, 271-279. | 2.9 | 52 |
| 48 | Functional and inflammatory alterations in the lung following exposure of rats to nitrogen mustard. Toxicology and Applied Pharmacology, 2011, 250, 10-18. | 2.8 | 51 |
| 49 | Attenuation of acute nitrogen mustard-induced lung injury, inflammation and fibrogenesis by a nitric oxide synthase inhibitor. Toxicology and Applied Pharmacology, 2012, 265, 279-291. | 2.8 | 50 |
| 50 | Regional and whole-body markers of nitric oxide production following hyperemic stimuli. Free Radical Biology and Medicine, 2005, 38, 1164-1169. | 2.9 | 49 |
| 51 | Alveolar Surfactant Protein D Content Modulates Bleomycin-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 869-877. | 5.6 | 48 |
| 52 | Ozone-Induced Injury and Oxidative Stress in Bronchiolar Epithelium Are Associated with Altered Pulmonary Mechanics. Toxicological Sciences, 2013, 133, 309-319. | 3.1 | 46 |
| 53 | Modulation of Human Macrophage Responses to Mycobacterium tuberculosis by Silver Nanoparticles of Different Size and Surface Modification. PLoS ONE, 2015, 10, e0143077. | 2.5 | 43 |
| 54 | Aquaporin 11 insufficiency modulates kidney susceptibility to oxidative stress. American Journal of Physiology - Renal Physiology, 2013, 304, F1295-F1307. | 2.7 | 42 |

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| 55 | Radiation-Induced Lung Injury and Inflammation in Mice: Role of Inducible Nitric Oxide Synthase and Surfactant Protein D. Toxicological Sciences, 2015, 144, 27-38. | 3.1 | 42 |
| 56 | Pulmonary effects of inhalation of spark-generated silver nanoparticles in Brown-Norway and Sprague–Dawley rats. Respiratory Research, 2016, 17, 85. | 3.6 | 42 |
| 57 | Effect of pulmonary surfactant on the dissolution, stability and uptake of zinc oxide nanowires by human respiratory epithelial cells. Nanotoxicology, 2016, 10, 1351-1362. | 3.0 | 42 |
| 58 | Role of Alpha Hemoglobin-Stabilizing Protein in Normal Erythropoiesis and Î²-Thalassemia. Annals of the New York Academy of Sciences, 2005, 1054, 103-117. | 3.8 | 41 |
| 59 | Selective Inhibition of Inducible NO Synthase Activity In Vivo Reverses Inflammatory Abnormalities in Surfactant Protein D-Deficient Mice. Journal of Immunology, 2007, 179, 8090-8097. | 0.8 | 40 |
| 60 | Prolonged Injury and Altered Lung Function after Ozone Inhalation in Mice with Chronic Lung Inflammation. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 776-783. | 2.9 | 40 |
| 61 | Analysis of human Î± globin gene mutations that impair binding to the Î± hemoglobin stabilizing protein. Blood, 2009, 113, 5961-5969. | 1.4 | 39 |
| 62 | Role of reactive nitrogen species generated via inducible nitric oxide synthase in vesicant-induced lung injury, inflammation and altered lung functioning. Toxicology and Applied Pharmacology, 2012, 261, 22-30. | 2.8 | 39 |
| 63 | Biochemical Fates of Î± Hemoglobin Bound to Î± Hemoglobin-stabilizing Protein AHSP. Journal of Biological Chemistry, 2006, 281, 32611-32618. | 3.4 | 37 |
| 64 | Immune Checkpoint Ligand PD-L1 Is Upregulated in Pulmonary Lymphangioleiomyomatosis. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 723-732. | 2.9 | 37 |
| 65 | Immunohistochemical Localization of Protein 3-Nitrotyrosine and S-nitrosocysteine in a Murine Model of Inhaled Nitric Oxide Therapy. Pediatric Research, 2000, 47, 798-805. | 2.3 | 36 |
| 66 | Segmental Allergen Challenge Alters Multimeric Structure and Function of Surfactant Protein D in Humans. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 856-864. | 5.6 | 35 |
| 67 | Acute chlorine gas exposure produces transient inflammation and a progressive alteration in surfactant composition with accompanying mechanical dysfunction. Toxicology and Applied Pharmacology, 2014, 278, 53-64. | 2.8 | 35 |
| 68 | Nitric oxide and peroxynitrite-mediated pulmonary cell death. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L112-L118. | 2.9 | 34 |
| 69 | Review: Chemical and structural modifications of pulmonary collectins and their functional consequences. Innate Immunity, 2010, 16, 175-182. | 2.4 | 34 |
| 70 | Beet the Best?. Circulation Research, 2018, 123, 654-659. | 4.5 | 34 |
| 71 | Role of TNFR1 in lung injury and altered lung function induced by the model sulfur mustard vesicant, 2-chloroethyl ethyl sulfide. Toxicology and Applied Pharmacology, 2011, 250, 245-255. | 2.8 | 33 |
| 72 | High-Resolution Analytical Electron Microscopy Reveals Cell Culture Media-Induced Changes to the Chemistry of Silver Nanowires. Environmental Science & Technology, 2013, 47, 13813-13821. | 10.0 | 33 |

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| 73 | Age-related increases in ozone-induced injury and altered pulmonary mechanics in mice with progressive lung inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L555-L568. | 2.9 | 33 |
| 74 | Two distinct mechanisms of nitric oxide-mediated neuronal cell death show thiol dependency. American Journal of Physiology - Cell Physiology, 2000, 278, C1099-C1107. | 4.6 | 32 |
| 75 | Role of NOS2 in pulmonary injury and repair in response to bleomycin. Free Radical Biology and Medicine, 2016, 91, 293-301. | 2.9 | 32 |
| 76 | Photoprotection of Parenteral Nutrition Enhances Advancement of Minimal Enteral Nutrition in Preterm Infants. Seminars in Perinatology, 2006, 30, 139-145. | 2.5 | 31 |
| 77 | Silver nanowire interactions with primary human alveolar type-II epithelial cell secretions: contrasting bioreactivity with human alveolar type-I and type-II epithelial cells. Nanoscale, 2015, 7, 10398-10409. | 5.6 | 31 |
| 78 | Protective role of spleen-derived macrophages in lung inflammation, injury, and fibrosis induced by nitrogen mustard. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1487-L1498. | 2.9 | 31 |
| 79 | Pulmonary surfactant mitigates silver nanoparticle toxicity in human alveolar type-I-like epithelial cells. Colloids and Surfaces B: Biointerfaces, 2016, 145, 167-175. | 5.0 | 30 |
| 80 | A Method to Attenuate Pneumoperitoneum-Induced Reductions in Splanchnic Blood Flow. Annals of Surgery, 2005, 241, 256-261. | 4.2 | 29 |
| 81 | Pulmonary effects of inhaled diesel exhaust in aged mice. Toxicology and Applied Pharmacology, 2009, 241, 283-293. | 2.8 | 29 |
| 82 | Macrophages, reactive nitrogen species, and lung injury. Annals of the New York Academy of Sciences, 2010, 1203, 60-65. | 3.8 | 28 |
| 83 | Use of Submicron Vaterite Particles Serves as an Effective Delivery Vehicle to the Respiratory Portion of the Lung. Frontiers in Pharmacology, 2018, 9, 559. | 3.5 | 28 |
| 84 | Lung injury, oxidative stress and fibrosis in mice following exposure to nitrogen mustard. Toxicology and Applied Pharmacology, 2020, 387, 114798. | 2.8 | 28 |
| 85 | SP-D-deficient mice are resistant to hyperoxia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L861-L871. | 2.9 | 27 |
| 86 | A Hemoglobin Variant Associated with Neonatal Cyanosis and Anemia. New England Journal of Medicine, 2011, 364, 1837-1843. | 27.0 | 27 |
| 87 | S-Nitrosohemoglobin: an allosteric mediator of NO group function in mammalian vasculature. Free Radical Biology and Medicine, 2004, 37, 442-453. | 2.9 | 26 |
| 88 | Carboxylation of multiwalled carbon nanotubes reduces their toxicity in primary human alveolar macrophages. Environmental Science: Nano, 2016, 3, 1340-1350. | 4.3 | 26 |
| 89 | Regulation of Nitrogen Mustard-Induced Lung Macrophage Activation by Valproic Acid, a Histone Deacetylase Inhibitor. Toxicological Sciences, 2017, 157, 222-234. | 3.1 | 26 |
| 90 | World Trade Center (WTC) dust exposure in mice is associated with inflammation, oxidative stress and epigenetic changes in the lung. Experimental and Molecular Pathology, 2017, 102, 50-58. | 2.1 | 25 |

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| 91 | The Biological Chemistry of Nitric Oxide as It Pertains to the Extrapulmonary Effects of Inhaled Nitric Oxide. Proceedings of the American Thoracic Society, 2006, 3, 150-152. | 3.5 | 24 |
| 92 | Membrane transfer of S-nitrosothiols. Nitric Oxide - Biology and Chemistry, 2011, 25, 102-107. | 2.7 | 24 |
| 93 | Copper modulates the phenotypic response of activated BV2 microglia through the release of nitric oxide. Nitric Oxide - Biology and Chemistry, 2012, 27, 201-209. | 2.7 | 24 |
| 94 | Total nitrogen oxide following exercise testing reflects endothelial function and discriminates health status. Free Radical Biology and Medicine, 2006, 41, 740-747. | 2.9 | 23 |
| 95 | Low-dose AgNPs reduce lung mechanical function and innate immune defense in the absence of cellular toxicity. Nanotoxicology, 2016, 10, 1-10. | 3.0 | 23 |
| 96 | Regulation of Macrophage Foam Cell Formation During Nitrogen Mustard (NM)-Induced Pulmonary Fibrosis by Lung Lipids. Toxicological Sciences, 2019, 172, 344-358. | 3.1 | 23 |
| 97 | Loss of Î±-hemoglobinâ€“stabilizing protein impairs erythropoiesis and exacerbates Î²-thalassemia. Journal of Clinical Investigation, 2004, 114, 1457-1466. | 8.2 | 23 |
| 98 | Editorâ€™s Highlight: Role of Spleen-Derived Macrophages in Ozone-Induced Lung Inflammation and Injury. Toxicological Sciences, 2017, 155, 182-195. | 3.1 | 22 |
| 99 | Surfactant Dysfunction and Lung Inflammation in the Female Mouse Model of Lymphangioleiomyomatosis. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 96-104. | 2.9 | 21 |
| 100 | Static and Dynamic Microscopy of the Chemical Stability and Aggregation State of Silver Nanowires in Components of Murine Pulmonary Surfactant. Environmental Science & Technology, 2015, 49, 8048-8056. | 10.0 | 21 |
| 101 | NO and superoxide: Opposite ends of the seesaw in cardiac contractility. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16403-16404. | 7.1 | 20 |
| 102 | Pharmacological targeting of VEGFR signaling with axitinib inhibits Tsc2-null lesion growth in the mouse model of lymphangioleiomyomatosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1447-L1454. | 2.9 | 20 |
| 103 | Nitric Oxide, Hemoglobin, and Hypoxic Vasodilation. American Journal of Respiratory Cell and Molecular Biology, 2005, 32, 479-482. | 2.9 | 19 |
| 104 | A cis-Proline in Î±-Hemoglobin Stabilizing Protein Directs the Structural Reorganization of Î±-Hemoglobin. Journal of Biological Chemistry, 2009, 284, 29462-29469. | 3.4 | 19 |
| 105 | Nitrite, NO and hypoxic vasodilation. British Journal of Pharmacology, 2009, 158, 1653-1654. | 5.4 | 19 |
| 106 | Immunotargeting of glucose oxidase: intracellular production of H<sub>2</sub>O<sub>2</sub>and endothelial oxidative stress. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L271-L281. | 2.9 | 18 |
| 107 | Invertebrate hemoglobins and nitric oxide: How heme pocket structure controls reactivity. Journal of Inorganic Biochemistry, 2005, 99, 903-911. | 3.5 | 18 |
| 108 | NOS2 Is Critical to the Development of Emphysema in Sftpd Deficient Mice but Does Not Affect Surfactant Homeostasis. PLoS ONE, 2014, 9, e85722. | 2.5 | 18 |

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| 109 | Regulation of Lung Macrophage Activation and Oxidative Stress Following Ozone Exposure by Farnesoid X Receptor. Toxicological Sciences, 2020, 177, 441-453. | 3.1 | 17 |
| 110 | Immunohistochemical Detection of <I>S</I>-Nitrosylated Proteins. , 2004, 279, 167-172. | | 16 |
| 111 | Hormonal regulation of alveolarization: structure-function correlation. Respiratory Research, 2006, 7, 47. | 3.6 | 16 |
| 112 | Expression of nitric oxide synthases and endogenous NO metabolism in bronchopulmonary dysplasia. Pediatric Pulmonology, 2008, 43, 703-709. | 2.0 | 16 |
| 113 | The role of inducible nitric oxide synthase for interstitial remodeling of alveolar septa in surfactant protein D-deficient mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L959-L969. | 2.9 | 16 |
| 114 | The Determination of Nitrotyrosine Residues in Proteins. , 1998, 100, 291-300. | | 15 |
| 115 | Framework for 3D histologic reconstruction and fusion with in vivo MRI: Preliminary results of characterizing pulmonary inflammation in a mouse model. Medical Physics, 2015, 42, 4822-4832. | 3.0 | 14 |
| 116 | Exposure to Silver Nanospheres Leads to Altered Respiratory Mechanics and Delayed Immune Response in an in Vivo Murine Model. Frontiers in Pharmacology, 2018, 9, 213. | 3.5 | 14 |
| 117 | Biological Mechanisms of S-Nitrosothiol Formation and Degradation: How Is Specificity of S-Nitrosylation Achieved?. Antioxidants, 2021, 10, 1111. | 5.1 | 14 |
| 118 | Inhaled nitric oxide in premature infants: effect on tracheal aspirate and plasma nitric oxide metabolites. Journal of Perinatology, 2010, 30, 275-280. | 2.0 | 13 |
| 119 | Adsorption of surfactant protein D from human respiratory secretions by carbon nanotubes and polystyrene nanoparticles depends on nanomaterial surface modification and size. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140038. | 4.0 | 13 |
| 120 | NO running on MT: regulation of zinc homeostasis by interaction of nitric oxide with metallothionein. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L183-L184. | 2.9 | 12 |
| 121 | Regulation of keratinocyte expression of stress proteins and antioxidants by the electrophilic nitrofatty acids 9- and 10-nitrooleic acid. Free Radical Biology and Medicine, 2014, 67, 1-9. | 2.9 | 11 |
| 122 | Disrupted Nitric Oxide Metabolism from Type II Diabetes and Acute Exposure to Particulate Air Pollution. PLoS ONE, 2015, 10, e0144250. | 2.5 | 10 |
| 123 | Histologic and biochemical alterations predict pulmonary mechanical dysfunction in aging mice with chronic lung inflammation. PLoS Computational Biology, 2017, 13, e1005570. | 3.2 | 10 |
| 124 | Cell Origin and iNOS Function Are Critical to Macrophage Activation Following Acute Lung Injury. Frontiers in Pharmacology, 2021, 12, 761496. | 3.5 | 10 |
| 125 | Electrochemical Detection of Nitric Oxide in Biological Systems. Microchemical Journal, 1997, 56, 146-154. | 4.5 | 9 |
| 126 | Atypical PKCÎ¶ transduces electrophilic fatty acid signaling in pulmonary epithelial cells. Nitric Oxide - Biology and Chemistry, 2011, 25, 366-372. | 2.7 | 9 |

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| 127 | Protective Role of Surfactant Protein-D Against Lung Injury and Oxidative Stress Induced by Nitrogen Mustard. Toxicological Sciences, 2018, 166, 108-122. | 3.1 | 9 |
| 128 | Surfactant protein-D modulation of pulmonary macrophage phenotype is controlled byS-nitrosylation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L539-L549. | 2.9 | 9 |
| 129 | Revisiting John Snow to Meet the Challenge of Nontuberculous Mycobacterial Lung Disease. International Journal of Environmental Research and Public Health, 2019, 16, 4250. | 2.6 | 9 |
| 130 | Computational Multiscale Toxicodynamic Modeling of Silver and Carbon Nanoparticle Effects on Mouse Lung Function. PLoS ONE, 2013, 8, e80917. | 2.5 | 9 |
| 131 | Tocopherol supplementation reduces NO production and pulmonary inflammatory response to bleomycin. Nitric Oxide - Biology and Chemistry, 2013, 34, 27-36. | 2.7 | 8 |
| 132 | Oxygen-Linked S-Nitrosation in Fish Myoglobins: A Cysteine-Specific Tertiary Allosteric Effect. PLoS ONE, 2014, 9, e97012. | 2.5 | 8 |
| 133 | Plasma nitrite is an indicator of acute changes in ambient air pollutant concentrations. Inhalation Toxicology, 2014, 26, 426-434. | 1.6 | 7 |
| 134 | Serum surfactant protein D as a marker for bronchopulmonary dysplasia. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 815-819. | 1.5 | 7 |
| 135 | Super-SOD: superoxide dismutase chimera fights off inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 284, L915-L916. | 2.9 | 6 |
| 136 | SP-D-Dependent Regulation of NO Metabolism in Lipopolysaccharide-Stimulated Peritoneal Macrophages. Bulletin of Experimental Biology and Medicine, 2009, 147, 415-420. | 0.8 | 6 |
| 137 | Fatty acid nitroalkenes inhibit the inflammatory response to bleomycin-mediated lung injury. Toxicology and Applied Pharmacology, 2020, 407, 115236. | 2.8 | 6 |
| 138 | Myeloid cell dynamics in bleomycin-induced pulmonary injury in mice; effects of anti-TNFÎ± antibody. Toxicology and Applied Pharmacology, 2021, 417, 115470. | 2.8 | 6 |
| 139 | Macrophage activation in the lung during the progression of nitrogen mustard induced injury is associated with histone modifications and altered miRNA expression. Toxicology and Applied Pharmacology, 2021, 423, 115569. | 2.8 | 6 |
| 140 | NO, SNO, and hemoglobin: lessons in complexity. Blood, 2006, 108, 3224-3225. | 1.4 | 5 |
| 141 | Transcriptional profiling of lung macrophages during pulmonary injury induced by nitrogen mustard. Annals of the New York Academy of Sciences, 2020, 1480, 146-154. | 3.8 | 5 |
| 142 | The Role of Alpha Hemoglobin Stabilizing Protein (AHSP) in the Formation of Hemoglobin A.. Blood, 2005, 106, 3639-3639. | 1.4 | 5 |
| 143 | Assessment of mustard vesicant lung injury and antiâ€TNFâ€•Î± efficacy in rodents using liveâ€animal imaging. Annals of the New York Academy of Sciences, 2020, 1480, 246-256. | 3.8 | 4 |
| 144 | Precision Cut Lung Slices as a Model for 3R Application in Toxicology. Applied in Vitro Toxicology, 2020, 6, 47-48. | 1.1 | 4 |

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| 145 | Obesity elicits a unique metabolomic signature in human airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 323, L297-L307. | 2.9 | 4 |
| 146 | Regulation of cellular processes by S-nitrosylation. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 673-674. | 2.4 | 3 |
| 147 | Immunofluorescent detection of S-nitrosoproteins in cell culture. Methods, 2013, 62, 161-164. | 3.8 | 3 |
| 148 | Multiscale multimodal fusion of histological and MRI volumes for characterization of lung inflammation. Proceedings of SPIE, 2013, , . | 0.8 | 3 |
| 149 | Biochemical Regulation of Nitric Oxide Cytotoxicity. , 2002, , 175-187. | | 2 |
| 150 | Nitric Oxide Biochemistry: Pathophysiology of Nitric Oxide-Mediated Protein Modifications. , 2009, , 29-44. | | 2 |
| 151 | Comprehensive dataset to assess morphological changes subsequent to bleomycin exposure. Data in Brief, 2021, 37, 107270. | 1.0 | 2 |
| 152 | Downregulation of Guanylate Cyclase Enzyme in Human Asthma model to Investigate NOâ€sGcâ€cGMP as a Therapeutic Pathway in Asthma. FASEB Journal, 2018, 32, 840.11. | 0.5 | 2 |
| 153 | Inhaled ethyl nitrite gas for persistent pulmonary hypertension in infants. Lancet, The, 2002, 360, 2077. | 13.7 | 1 |
| 154 | Surfactant Protein-D Regulates Alveolar Macrophage Phenotype. , 2011, , . | | 1 |
| 155 | Mouse lung volume reconstruction from efficient groupwise registration of individual histological slices with natural gradient. Proceedings of SPIE, 2013, , . | 0.8 | 1 |
| 156 | Chemical warfare agent research in precisionâ€cut tissue slicesâ€”a useful alternative approach. Annals of the New York Academy of Sciences, 2020, 1480, 44-53. | 3.8 | 1 |
| 157 | Effects of fatty acid nitroalkanes on signal transduction pathways and airway macrophage activation. Innate Immunity, 2021, 27, 353-364. | 2.4 | 1 |
| 158 | Sâ€Nitrosylation of Surfactant Protein D (SPâ€D) modulates its oligomerization and inflammatory function in vitro and in experimental models of lung injury.. FASEB Journal, 2007, 21, A552. | 0.5 | 1 |
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