Andrew J Gow

List of Publications by Citations

170 papers	9,219 citations	45 h-index	93 g-index
218 ext. papers	9,909 ext. citations	7.1 avg, IF	5.69 L-index

#	Paper	IF	Citations
170	Fas-induced caspase denitrosylation. *Science*, **1999**, 284, 651-4	33.3	676
169	Reactions between nitric oxide and haemoglobin under physiological conditions. *Nature*, **1998**, 391, 169-73	50.4	516
168	Methamphetamine neurotoxicity: necrotic and apoptotic mechanisms and relevance to human abuse and treatment. *Brain Research Reviews*, **2001**, 36, 1-22		397
167	Nitric oxide in the human respiratory cycle. *Nature Medicine*, **2002**, 8, 711-7	50.5	391
166	Effects of peroxynitrite-induced protein modifications on tyrosine phosphorylation and degradation. *FEBS Letters*, **1996**, 385, 63-6	3.8	368
165	The oxyhemoglobin reaction of nitric oxide. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 9027-32	11.5	353
164	Carbon dioxide enhancement of peroxynitrite-mediated protein tyrosine nitration. *Archives of Biochemistry and Biophysics*, **1996**, 333, 42-8	4.1	289
163	Biological significance of nitric oxide-mediated protein modifications. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2004**, 287, L262-8	5.8	281
162	Long-term intermittent hypoxia in mice: protracted hypersomnolence with oxidative injury to sleep-wake brain regions. *Sleep*, **2004**, 27, 194-201	1.1	270
161	Nitrosative stress: metabolic pathway involving the flavohemoglobin. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 14100-5	11.5	256
160	A novel reaction mechanism for the formation of S-nitrosothiol in vivo. *Journal of Biological Chemistry*, **1997**, 272, 2841-5	5.4	246
159	Basal and stimulated protein S-nitrosylation in multiple cell types and tissues. *Journal of Biological Chemistry*, **2002**, 277, 9637-40	5.4	238
158	Routes to S-nitroso-hemoglobin formation with heme redox and preferential reactivity in the beta subunits. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 461-6	11.5	185
157	Ascaris haemoglobin is a nitric oxide-activated deoxygenase. *Nature*, **1999**, 401, 497-502	50.4	184
156	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, 5709-14	11.5	164
155	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, 10108-12	11.5	139
154	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, 2115-22	0.9	137

153	Detection of reactive nitrogen species using 2,7-dichlorodihydrofluorescein and dihydrorhodamine 123. *Methods in Enzymology*, **1999**, 301, 367-73	1.7	129
152	Nitric oxide chemistry and cellular signaling. *Journal of Cellular Physiology*, **2001**, 187, 277-82	7	127
151	Molecular mechanism of AHSP-mediated stabilization of alpha-hemoglobin. *Cell*, **2004**, 119, 629-40	56.2	123
150	Loss of alpha-hemoglobin-stabilizing protein impairs erythropoiesis and exacerbates beta-thalassemia. *Journal of Clinical Investigation*, **2004**, 114, 1457-66	15.9	114
149	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, 14801-6	11.5	113
148	S-nitrosylation of surfactant protein-D controls inflammatory function. *PLoS Biology*, **2008**, 6, e266	9.7	110
147	Inhaled ethyl nitrite gas for persistent pulmonary hypertension of the newborn. *Lancet, The*, **2002**, 360, 141-3	40	107
146	S-Nitrosothiol measurements in biological systems. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 851, 140-51	3.2	96
145	Structure of oxidized alpha-haemoglobin bound to AHSP reveals a protective mechanism for haem. *Nature*, **2005**, 435, 697-701	50.4	93
144	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, 218-23	11.5	88
143	The stability of silver nanoparticles in a model of pulmonary surfactant. *Environmental Science & Technology*, **2013**, 47, 11232-40	10.3	87
142	Nitric oxide metabolites induced in Anopheles stephensi control malaria parasite infection. *Free Radical Biology and Medicine*, **2007**, 42, 132-42	7.8	87
141	An erythroid chaperone that facilitates folding of alpha-globin subunits for hemoglobin synthesis. *Journal of Clinical Investigation*, **2007**, 117, 1856-65	15.9	83
140	Pulmonary toxicity of instilled silver nanoparticles: influence of size, coating and rat strain. *PLoS ONE*, **2015**, 10, e0119726	3.7	79
139	Folliculin controls lung alveolar enlargement and epithelial cell survival through E-cadherin, LKB1, and AMPK. *Cell Reports*, **2014**, 7, 412-423	10.6	70
138	Delayed clearance of pneumocystis carinii infection, increased inflammation, and altered nitric oxide metabolism in lungs of surfactant protein-D knockout mice. *Journal of Infectious Diseases*, **2004**, 189, 1528-39	7	70
137	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, 5792-7	11.5	67
136	Pathophysiological functions of nitric oxide-mediated protein modifications. *Toxicology*, **2005**, 208, 299-303	4.1	65

135	Ancient origins of nitric oxide signaling in biological systems. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 14206-7	11.5	65
134	Pentoxifylline attenuates nitrogen mustard-induced acute lung injury, oxidative stress and inflammation. *Experimental and Molecular Pathology*, **2014**, 97, 89-98	4.4	58
133	Characterization of Distinct Macrophage Subpopulations during Nitrogen Mustard-Induced Lung Injury and Fibrosis. *American Journal of Respiratory Cell and Molecular Biology*, **2016**, 54, 436-46	5.7	57
132	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, 6002-11	3.7	57
131	Reduced ischemia and reperfusion injury following exercise training. *Medicine and Science in Sports and Exercise*, **1997**, 29, 509-16	1.2	57
130	Sulfidation of silver nanowires inside human alveolar epithelial cells: a potential detoxification mechanism. *Nanoscale*, **2013**, 5, 9839-47	7.7	49
129	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, 449-58	10.2	49
128	Functional and inflammatory alterations in the lung following exposure of rats to nitrogen mustard. *Toxicology and Applied Pharmacology*, **2011**, 250, 10-8	4.6	47
127	Plasma biomarkers of oxidative stress: relationship to lung disease and inhaled nitric oxide therapy in premature infants. *Pediatrics*, **2008**, 121, 555-61	7.4	46
126	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, 271-9	5.7	46
125	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	7.7	45
124	Attenuation of acute nitrogen mustard-induced lung injury, inflammation and fibrogenesis by a nitric oxide synthase inhibitor. *Toxicology and Applied Pharmacology*, **2012**, 265, 279-91	4.6	44
123	Immune reconstitution during Pneumocystis lung infection: disruption of surfactant component expression and function by S-nitrosylation. *Journal of Immunology*, **2009**, 182, 2277-87	5.3	44
122	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	8.4	43
121	Alveolar surfactant protein D content modulates bleomycin-induced lung injury. *American Journal of Respiratory and Critical Care Medicine*, **2005**, 172, 869-77	10.2	43
120	Regional and whole-body markers of nitric oxide production following hyperemic stimuli. *Free Radical Biology and Medicine*, **2005**, 38, 1164-9	7.8	40
119	Modulation of Human Macrophage Responses to Mycobacterium tuberculosis by Silver Nanoparticles of Different Size and Surface Modification. *PLoS ONE*, **2015**, 10, e0143077	3.7	36
118	Ozone-induced injury and oxidative stress in bronchiolar epithelium are associated with altered pulmonary mechanics. *Toxicological Sciences*, **2013**, 133, 309-19	4.4	35

117	Aquaporin 11 insufficiency modulates kidney susceptibility to oxidative stress. *American Journal of Physiology - Renal Physiology*, **2013**, 304, F1295-307	4.3	35
116	Selective inhibition of inducible NO synthase activity in vivo reverses inflammatory abnormalities in surfactant protein D-deficient mice. *Journal of Immunology*, **2007**, 179, 8090-7	5.3	35
115	Role of alpha-hemoglobin-stabilizing protein in normal erythropoiesis and beta-thalassemia. *Annals of the New York Academy of Sciences*, **2005**, 1054, 103-17	6.5	35
114	Biochemical fates of alpha hemoglobin bound to alpha hemoglobin-stabilizing protein AHSP. *Journal of Biological Chemistry*, **2006**, 281, 32611-8	5.4	34
113	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	4.6	33
112	Radiation-induced lung injury and inflammation in mice: role of inducible nitric oxide synthase and surfactant protein D. *Toxicological Sciences*, **2015**, 144, 27-38	4.4	33
111	Segmental allergen challenge alters multimeric structure and function of surfactant protein D in humans. *American Journal of Respiratory and Critical Care Medicine*, **2011**, 183, 856-64	10.2	33
110	Analysis of human alpha globin gene mutations that impair binding to the alpha hemoglobin stabilizing protein. *Blood*, **2009**, 113, 5961-9	2.2	33
109	Effect of pulmonary surfactant on the dissolution, stability and uptake of zinc oxide nanowires by human respiratory epithelial cells. *Nanotoxicology*, **2016**, 10, 1351-62	5.3	32
108	High-resolution analytical electron microscopy reveals cell culture media-induced changes to the chemistry of silver nanowires. *Environmental Science & Technology*, **2013**, 47, 13813-21	10.3	32
107	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, 776-83	5.7	32
106	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, 245-55	4.6	31
105	Pulmonary effects of inhalation of spark-generated silver nanoparticles in Brown-Norway and Sprague-Dawley rats. *Respiratory Research*, **2016**, 17, 85	7.3	31
104	Two distinct mechanisms of nitric oxide-mediated neuronal cell death show thiol dependency. *American Journal of Physiology - Cell Physiology*, **2000**, 278, C1099-107	5.4	30
103	Immunohistochemical localization of protein 3-nitrotyrosine and S-nitrosocysteine in a murine model of inhaled nitric oxide therapy. *Pediatric Research*, **2000**, 47, 798-805	3.2	30
102	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, 10398-409	7.7	29
101	Pulmonary effects of inhaled diesel exhaust in aged mice. *Toxicology and Applied Pharmacology*, **2009**, 241, 283-93	4.6	29
100	Nitric oxide and peroxynitrite-mediated pulmonary cell death. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **1998**, 274, L112-8	5.8	29

99	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, L555-68	5.8	28
98	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	4.6	27
97	A method to attenuate pneumoperitoneum-induced reductions in splanchnic blood flow. *Annals of Surgery*, **2005**, 241, 256-61	7.8	26
96	Macrophages, reactive nitrogen species, and lung injury. *Annals of the New York Academy of Sciences*, **2010**, 1203, 60-5	6.5	25
95	Review: Chemical and structural modifications of pulmonary collectins and their functional consequences. *Innate Immunity*, **2010**, 16, 175-82	2.7	25
94	Photoprotection of parenteral nutrition enhances advancement of minimal enteral nutrition in preterm infants. *Seminars in Perinatology*, **2006**, 30, 139-45	3.3	25
93	Pulmonary surfactant mitigates silver nanoparticle toxicity in human alveolar type-I-like epithelial cells. *Colloids and Surfaces B: Biointerfaces*, **2016**, 145, 167-175	6	25
92	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, L1487-98	5.8	24
91	Membrane transfer of S-nitrosothiols. *Nitric Oxide - Biology and Chemistry*, **2011**, 25, 102-7	5	23
90	SP-D-deficient mice are resistant to hyperoxia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2007**, 292, L861-71	5.8	23
89	Beet the Best?. *Circulation Research*, **2018**, 123, 654-659	15.7	22
88	S-Nitrosohemoglobin: an allosteric mediator of NO group function in mammalian vasculature. *Free Radical Biology and Medicine*, **2004**, 37, 442-53	7.8	22
87	Role of NOS2 in pulmonary injury and repair in response to bleomycin. *Free Radical Biology and Medicine*, **2016**, 91, 293-301	7.8	21
86	Use of Submicron Vaterite Particles Serves as an Effective Delivery Vehicle to the Respiratory Portion of the Lung. *Frontiers in Pharmacology*, **2018**, 9, 559	5.6	21
85	A hemoglobin variant associated with neonatal cyanosis and anemia. *New England Journal of Medicine*, **2011**, 364, 1837-43	59.2	21
84	Low-dose AgNPs reduce lung mechanical function and innate immune defense in the absence of cellular toxicity. *Nanotoxicology*, **2016**, 10, 118-27	5.3	20
83	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, 150-2		20
82	Carboxylation of multiwalled carbon nanotubes reduces their toxicity in primary human alveolar macrophages. *Environmental Science: Nano*, **2016**, 3, 1340-1350	7.1	20

81	Regulation of Nitrogen Mustard-Induced Lung Macrophage Activation by Valproic Acid, a Histone Deacetylase Inhibitor. *Toxicological Sciences*, **2017**, 157, 222-234	4.4	19
80	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, 8048-56	19.3	19
79	Immune Checkpoint Ligand PD-L1 Is Upregulated in Pulmonary Lymphangioleiomyomatosis. *American Journal of Respiratory Cell and Molecular Biology*, **2018**, 59, 723-732	5.7	19
78	Copper modulates the phenotypic response of activated BV2 microglia through the release of nitric oxide. *Nitric Oxide - Biology and Chemistry*, **2012**, 27, 201-9	5	19
77	NOS2 is critical to the development of emphysema in Sftpd deficient mice but does not affect surfactant homeostasis. *PLoS ONE*, **2014**, 9, e85722	3.7	18
76	Total nitrogen oxide following exercise testing reflects endothelial function and discriminates health status. *Free Radical Biology and Medicine*, **2006**, 41, 740-7	7.8	18
75	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	4.4	16
74	A cis-proline in alpha-hemoglobin stabilizing protein directs the structural reorganization of alpha-hemoglobin. *Journal of Biological Chemistry*, **2009**, 284, 29462-9	5.4	16
73	Immunohistochemical detection of S-nitrosylated proteins. *Methods in Molecular Biology*, **2004**, 279, 167-72	1.4	16
72	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, 16403-4	11.5	16
71	Invertebrate hemoglobins and nitric oxide: how heme pocket structure controls reactivity. *Journal of Inorganic Biochemistry*, **2005**, 99, 903-11	4.2	16
70	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, L959-69	5.8	15
69	Lung injury, oxidative stress and fibrosis in mice following exposure to nitrogen mustard. *Toxicology and Applied Pharmacology*, **2020**, 387, 114798	4.6	15
68	Surfactant dysfunction and lung inflammation in the female mouse model of lymphangioleiomyomatosis. *American Journal of Respiratory Cell and Molecular Biology*, **2015**, 53, 96-104	5.7	14
67	Editor's Highlight: Role of Spleen-Derived Macrophages in Ozone-Induced Lung Inflammation and Injury. *Toxicological Sciences*, **2017**, 155, 182-195	4.4	14
66	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, L1447-54	5.8	14
65	Expression of nitric oxide synthases and endogenous NO metabolism in bronchopulmonary dysplasia. *Pediatric Pulmonology*, **2008**, 43, 703-9	3.5	14
64	Immunotargeting of glucose oxidase: intracellular production of H(2)O(2) and endothelial oxidative stress. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **1999**, 277, L271-81	5.8	14

63	Regulation of Macrophage Foam Cell Formation During Nitrogen Mustard (NM)-Induced Pulmonary Fibrosis by Lung Lipids. *Toxicological Sciences*, **2019**, 172, 344-358	4.4	13
62	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, 4822-32	4.4	13
61	Nitrite, NO and hypoxic vasodilation. *British Journal of Pharmacology*, **2009**, 158, 1653-4	8.6	13
60	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	5.8	12
59	Inhaled nitric oxide in premature infants: effect on tracheal aspirate and plasma nitric oxide metabolites. *Journal of Perinatology*, **2010**, 30, 275-80	3.1	12
58	The determination of nitrotyrosine residues in proteins. *Methods in Molecular Biology*, **1998**, 100, 291-9	1.4	12
57	Hormonal regulation of alveolarization: structure-function correlation. *Respiratory Research*, **2006**, 7, 47	7.3	12
56	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, L183-4	5.8	11
55	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	7.8	10
54	Atypical PKC□transduces electrophilic fatty acid signaling in pulmonary epithelial cells. *Nitric Oxide - Biology and Chemistry*, **2011**, 25, 366-72	5	9
53	Histologic and biochemical alterations predict pulmonary mechanical dysfunction in aging mice with chronic lung inflammation. *PLoS Computational Biology*, **2017**, 13, e1005570	5	8
52	Protective Role of Surfactant Protein-D Against Lung Injury and Oxidative Stress Induced by Nitrogen Mustard. *Toxicological Sciences*, **2018**, 166, 108-122	4.4	8
51	Exposure to Silver Nanospheres Leads to Altered Respiratory Mechanics and Delayed Immune Response in an Murine Model. *Frontiers in Pharmacology*, **2018**, 9, 213	5.6	8
50	Disrupted Nitric Oxide Metabolism from Type II Diabetes and Acute Exposure to Particulate Air Pollution. *PLoS ONE*, **2015**, 10, e0144250	3.7	8
49	Computational multiscale toxicodynamic modeling of silver and carbon nanoparticle effects on mouse lung function. *PLoS ONE*, **2013**, 8, e80917	3.7	8
48	Plasma nitrite is an indicator of acute changes in ambient air pollutant concentrations. *Inhalation Toxicology*, **2014**, 26, 426-34	2.7	7
47	Tocopherol supplementation reduces NO production and pulmonary inflammatory response to bleomycin. *Nitric Oxide - Biology and Chemistry*, **2013**, 34, 27-36	5	7
46	Oxygen-linked S-nitrosation in fish myoglobins: a cysteine-specific tertiary allosteric effect. *PLoS ONE*, **2014**, 9, e97012	3.7	7

45	Electrochemical Detection of Nitric Oxide in Biological Systems. *Microchemical Journal*, **1997**, 56, 146-154	4.8	7
44	Regulation of Lung Macrophage Activation and Oxidative Stress Following Ozone Exposure by Farnesoid X Receptor. *Toxicological Sciences*, **2020**, 177, 441-453	4.4	7
43	Surfactant protein-D modulation of pulmonary macrophage phenotype is controlled by -nitrosylation. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2019**, 317, L539-L549	5.8	6
42	Revisiting John Snow to Meet the Challenge of Nontuberculous Mycobacterial Lung Disease. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	6
41	Serum surfactant protein D as a marker for bronchopulmonary dysplasia. *Journal of Maternal-Fetal and Neonatal Medicine*, **2019**, 32, 815-819	2	6
40	SP-D-dependent regulation of NO metabolism in lipopolysaccharide-stimulated peritoneal macrophages. *Bulletin of Experimental Biology and Medicine*, **2009**, 147, 415-20	0.8	5
39	Biological Mechanisms of -Nitrosothiol Formation and Degradation: How Is Specificity of -Nitrosylation Achieved?. *Antioxidants*, **2021**, 10,	7.1	5
38	NO, SNO, and hemoglobin: Lessons in complexity. *Blood*, **2006**, 108, 3224-5; author reply 3226-7	2.2	4
37	Super-SOD: superoxide dismutase chimera fights off inflammation. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2003**, 284, L915-6	5.8	4
36	Transcriptional profiling of lung macrophages during pulmonary injury induced by nitrogen mustard. *Annals of the New York Academy of Sciences*, **2020**, 1480, 146-154	6.5	4
35	Fatty acid nitroalkenes inhibit the inflammatory response to bleomycin-mediated lung injury. *Toxicology and Applied Pharmacology*, **2020**, 407, 115236	4.6	3
34	Precision Cut Lung Slices as a Model for 3R Application in Toxicology. *Applied in Vitro Toxicology*, **2020**, 6, 47-48	1.3	2
33	Immunofluorescent detection of S-nitrosoproteins in cell culture. *Methods*, **2013**, 62, 161-4	4.6	2
32	Multiscale multimodal fusion of histological and MRI volumes for characterization of lung inflammation **2013**,		2
31	Downregulation of Guanylate Cyclase Enzyme in Human Asthma model to Investigate NO-sGc-cGMP as a Therapeutic Pathway in Asthma. *FASEB Journal*, **2018**, 32, 840.11	0.9	2
30	Myeloid cell dynamics in bleomycin-induced pulmonary injury in mice; effects of anti-TNF antibody. *Toxicology and Applied Pharmacology*, **2021**, 417, 115470	4.6	2
29	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	4.6	2
28	Regulation of cellular processes by S-nitrosylation. Preface. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 673-4	4	1

27	Nitric Oxide Biochemistry: Pathophysiology of Nitric Oxide-Mediated Protein Modifications **2009**, 29-44		1
26	Biochemical Regulation of Nitric Oxide Cytotoxicity **2002**, 175-187		1
25	Inhaled ethyl nitrite gas for persistent pulmonary hypertension in infants. *Lancet, The*, **2002**, 360, 2077	40	1
24	Cell Origin and iNOS Function Are Critical to Macrophage Activation Following Acute Lung Injury.. *Frontiers in Pharmacology*, **2021**, 12, 761496	5.6	1
23	S-Nitrosylation of Surfactant Protein D (SP-D) modulates its oligomerization and inflammatory function in vitro and in experimental models of lung injury.. *FASEB Journal*, **2007**, 21, A552	0.9	1
22	Nitric Oxide and Cellular Maturity Are Key Components of Pro-Inflammatory Cytokine-Induced Apoptosis of Human Fetal Lung Epithelial Cells **2011**, 3, 1-5		1
21	Assessment of mustard vesicant lung injury and anti-TNF- efficacy in rodents using live-animal imaging. *Annals of the New York Academy of Sciences*, **2020**, 1480, 246-256	6.5	1
20	Effects of fatty acid nitroalkanes on signal transduction pathways and airway macrophage activation. *Innate Immunity*, **2021**, 27, 353-364	2.7	1
19	What Do We Mean by Applied In Vitro Toxicology?. *Applied in Vitro Toxicology*, **2020**, 6, 45-46	1.3	
18	Oxygen Metabolism in the Lung **2015**, 355-374		
17	In-vehicle Exposures to Traffic and Biomarkers of Airway Oxidative Stress Among Healthy Humans. *Epidemiology*, **2011**, 22, S217-S218	3.1	
16	PPAR Regulates the Inflammatory Response to Ozone-Induced Lung Injury in Mice. *FASEB Journal*, **2020**, 34, 1-1	0.9	
15	The Respiratory Cycle **2000**, 243-249		
14	NITRIC OXIDE AND PHYSIOLOGICAL SYSTEMS. *Medicine and Science in Sports and Exercise*, **2001**, 33, S1	1.2	
13	Red Blood Cell S-Nitrosohemoglobin Deficiency in Pulmonary Arterial Hypertension.. *Blood*, **2004**, 104, 1583-1583	2.2	
12	Alpha Hemoglobin Stabilizing Protein (AHSP) Optimizes Hemoglobin A Synthesis by Maintaining a Pool of Viable Alpha Globin Subunits.. *Blood*, **2006**, 108, 650-650	2.2	
11	Myeloid Cell Recruitment and Activation Following Ozone Exposure in a Murine Model of Mutant Surfactant Protein-C Pulmonary Dysfunction. *FASEB Journal*, **2019**, 33, 542.19	0.9	
10	Nitro-Oleic Fatty Acids Reduce Cellular Metabolism in Activated Macrophages Leading to Reduced Inflammatory Potential. *FASEB Journal*, **2020**, 34, 1-1	0.9	

9	Nitrated Fatty Acids Reduce Inflammatory Cell Recruitment in Bleomycin-Induced Lung Injury. *FASEB Journal*, **2020**, 34, 1-1	0.9
8	Pathophysiological Reactivities of Nitric Oxide **1998**, 493-504	
7	Technical and knowledge-based outcomes following a one-week high school research program in toxicology and environmental health sciences (1058.1). *FASEB Journal*, **2014**, 28, 1058.1	0.9
6	Nitrogen Mustard (NM)-induced Lung Fibrosis is Associated with Altered Lipid Metabolism and Foam Cell Formation. *FASEB Journal*, **2015**, 29, 774.2	0.9
5	Histologic and biochemical alterations predict mechanical dysfunction in aging and chronically inflamed mice (717.4). *FASEB Journal*, **2014**, 28, 717.4	0.9
4	Chemical warfare agent research in precision-cut tissue slices-a useful alternative approach. *Annals of the New York Academy of Sciences*, **2020**, 1480, 44-53	6.5
3	When and How Can We Stop Using Animals in Toxicology?. *Applied in Vitro Toxicology*, **2021**, 7, 37-38	1.3
2	Comprehensive dataset to assess morphological changes subsequent to bleomycin exposure. *Data in Brief*, **2021**, 37, 107270	1.2
1	Multiple Approaches to Understanding the Toxic Dose. *Applied in Vitro Toxicology*, **2021**, 7, 158-158	1.3