Richard A Johnston

List of Publications by Citations

34 papers	1,688 citations	18 h-index	35 g-index
35 ext. papers	1,852 ext. citations	4.2 avg, IF	4.07 L-index

#	Paper	IF	Citations
34	Ozone exposure in a mouse model induces airway hyperreactivity that requires the presence of natural killer T cells and IL-17. *Journal of Experimental Medicine*, **2008**, 205, 385-93	16.6	261
33	Effect of leptin on allergic airway responses in mice. *Journal of Allergy and Clinical Immunology*, **2005**, 115, 103-9	11.5	252
32	Obesity and asthma **2006**, 110, 83-102		204
31	Allergic airway responses in obese mice. *American Journal of Respiratory and Critical Care Medicine*, **2007**, 176, 650-8	10.2	114
30	Increased pulmonary responses to acute ozone exposure in obese db/db mice. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2006**, 290, L856-65	5.8	111
29	Diet-induced obesity causes innate airway hyperresponsiveness to methacholine and enhances ozone-induced pulmonary inflammation. *Journal of Applied Physiology*, **2008**, 104, 1727-35	3.7	109
28	CXCR2 is essential for maximal neutrophil recruitment and methacholine responsiveness after ozone exposure. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2005**, 288, L61-7	5.8	77
27	The A2B adenosine receptor modulates pulmonary hypertension associated with interstitial lung disease. *FASEB Journal*, **2012**, 26, 2546-57	0.9	72
26	Role of interleukin-6 in murine airway responses to ozone. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2005**, 288, L390-7	5.8	68
25	Augmented responses to ozone in obese carboxypeptidase E-deficient mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2006**, 290, R126-33	3.2	66
24	Deletion of ADORA2B from myeloid cells dampens lung fibrosis and pulmonary hypertension. *FASEB Journal*, **2015**, 29, 50-60	0.9	52
23	Adenosine A2B receptor and hyaluronan modulate pulmonary hypertension associated with chronic obstructive pulmonary disease. *American Journal of Respiratory Cell and Molecular Biology*, **2013**, 49, 1038-47	5.7	47
22	Impact of adiponectin deficiency on pulmonary responses to acute ozone exposure in mice. *American Journal of Respiratory Cell and Molecular Biology*, **2010**, 43, 487-97	5.7	36
21	Pulmonary responses to subacute ozone exposure in obese vs. lean mice. *Journal of Applied Physiology*, **2009**, 107, 1445-52	3.7	35
20	Type I interleukin-1 receptor is required for pulmonary responses to subacute ozone exposure in mice. *American Journal of Respiratory Cell and Molecular Biology*, **2007**, 37, 477-84	5.7	33
19	Endogenous osteopontin promotes ozone-induced neutrophil recruitment to the lungs and airway hyperresponsiveness to methacholine. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2013**, 305, L118-29	5.8	20
18	Onset of obesity in carboxypeptidase E-deficient mice and effect on airway responsiveness and pulmonary responses to ozone. *Journal of Applied Physiology*, **2010**, 108, 1812-9	3.7	20

17	Pulmonary responses to acute ozone exposure in fasted mice: effect of leptin administration. *Journal of Applied Physiology*, **2007**, 102, 149-56	3.7	18
16	Pharmacological techniques for the in vitro study of airways. *Journal of Pharmacological and Toxicological Methods*, **2001**, 45, 159-74	1.7	14
15	Effect of antigen sensitization and challenge on oscillatory mechanics of the lung and pulmonary inflammation in obese carboxypeptidase E-deficient mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R621-33	3.2	12
14	Hyperosmolar solution effects in guinea pig airways. IV. Lipopolysaccharide-induced alterations in airway reactivity and epithelial bioelectric responses to methacholine and hyperosmolarity. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 308, 37-46	4.7	11
13	Hyperosmolar solution effects in guinea pig airways. I. Mechanical responses to relative changes in osmolarity. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 308, 10-8	4.7	10
12	Macrophage Inflammatory Protein-2 Levels Are Associated With Changes in Serum Leptin Concentrations Following Ozone-Induced Airway Inflammation. *Chest*, **2003**, 123, 369S-370S	5.3	8
11	Hyperosmolar solution effects in guinea pig airways. II. Epithelial bioelectric responses to relative changes in osmolarity. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 308, 19-29	4.7	8
10	Hyperosmolar solution effects in guinea pig airways. III. Studies on the identity of epithelium-derived relaxing factor in isolated perfused trachea using pharmacological agents. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 308, 30-6	4.7	7
9	Resistin deficiency in mice has no effect on pulmonary responses induced by acute ozone exposure. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 309, L1174-85	5.8	6
8	Low-dose administration of bleomycin leads to early alterations in lung mechanics. *Experimental Physiology*, **2018**, 103, 1692-1703	2.4	6
7	Plasminogen activator inhibitor-1 does not contribute to the pulmonary pathology induced by acute exposure to ozone. *Physiological Reports*, **2016**, 4, e12983	2.6	4
6	Macrophage inflammatory protein-2 levels are associated with changes in serum leptin concentrations following ozone-induced airway inflammation. *Chest*, **2003**, 123, 369S-70S	5.3	4
5	Chemokine (C-C Motif) Receptor-Like 2 is not essential for lung injury, lung inflammation, or airway hyperresponsiveness induced by acute exposure to ozone. *Physiological Reports*, **2017**, 5, e13545	2.6	2
4	High-fat western diet-consumption alters crystalline silica-induced serum adipokines, inflammatory cytokines and arterial blood flow in the F344 rat.. *Toxicology Reports*, **2022**, 9, 12-21	4.8	1
3	High-fat Western diet consumption exacerbates silica-induced pulmonary inflammation and fibrosis. *Toxicology Reports*, **2022**, 9, 1045-1053	4.8	0
2	Characteristics and Outcomes of Children with Clinical History of Atopic Non-atopic Asthma Admitted to a Tertiary Pediatric Intensive Care Unit. *Open Respiratory Medicine Journal*, **2018**, 12, 21-28	1.1	
1	Obesity and asthma: What have we learned from animal models? **2019**, 111-142		