

# Jeremy A. Scott

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61 papers	2,472 citations	28 h-index	49 g-index
65 ext. papers	2,782 ext. citations	5.5 avg, IF	4.42 L-index

#	Paper	IF	Citations
61	Impact of maternal intrapartum antibiotics, method of birth and breastfeeding on gut microbiota during the first year of life: a prospective cohort study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>2016</b> , 123, 983-93	3.7	328
60	Contribution of nitric oxide synthases 1, 2, and 3 to airway hyperresponsiveness and inflammation in a murine model of asthma. <i>Journal of Experimental Medicine</i> , <b>1999</b> , 189, 1621-30	16.6	182
59	DNA hypomethylation, ambient particulate matter, and increased blood pressure: findings from controlled human exposure experiments. <i>Journal of the American Heart Association</i> , <b>2013</b> , 2, e000212	6	151
58	The Fgl2/fibroleukin prothrombinase contributes to immunologically mediated thrombosis in experimental and human viral hepatitis. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 58-66	15.9	134
57	Functionally important role for arginase 1 in the airway hyperresponsiveness of asthma. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2009</b> , 296, L911-20	5.8	106
56	Cytotoxic and proinflammatory effects of ambient and source-related particulate matter (PM) in relation to the production of reactive oxygen species (ROS) and cytokine adsorption by particles. <i>Inhalation Toxicology</i> , <b>2010</b> , 22 Suppl 2, 37-47	2.7	105
55	Hypoxia induces a functionally significant and translationally efficient neuronal NO synthase mRNA variant. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 3128-39	15.9	91
54	Asymmetric dimethylarginine is increased in asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2011</b> , 184, 779-85	10.2	73
53	Functional inhibition of constitutive nitric oxide synthase in a rat model of sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2002</b> , 165, 1426-32	10.2	69
52	The combined effects of physicochemical properties of size-fractionated ambient particulate matter on toxicity in human A549 lung epithelial cells. <i>Toxicology Reports</i> , <b>2014</b> , 1, 145-156	4.8	63
51	Effects of inhaled nitric oxide in a mouse model of sepsis-induced acute lung injury. <i>Critical Care Medicine</i> , <b>2002</b> , 30, 868-73	1.4	57
50	Inducible nitric oxide synthase and vascular reactivity in rat thoracic aorta: effect of aminoguanidine. <i>Journal of Applied Physiology</i> , <b>1996</b> , 80, 271-7	3.7	54
49	Effects of inhaled nitric oxide in a rat model of <i>Pseudomonas aeruginosa</i> pneumonia. <i>Critical Care Medicine</i> , <b>2000</b> , 28, 2397-405	1.4	52
48	Nitric oxide produced via neuronal NOS may impair vasodilatation in septic rat skeletal muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 278, H1480-9	5.2	52
47	Relative contribution of hemopoietic and pulmonary parenchymal cells to lung inducible nitric oxide synthase (inos) activity in murine endotoxemia. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 283, 694-9	3.4	52
46	Endothelial nitric oxide synthase gene expression during murine embryogenesis: commencement of expression in the embryo occurs with the establishment of a unidirectional circulatory system. <i>Circulation Research</i> , <b>2008</b> , 103, 24-33	15.7	48
45	Determination of keratin degradation by fungi using keratin azure. <i>Medical Mycology</i> , <b>2004</b> , 42, 239-46	3.9	46

44	Selective in vivo inhibition of inducible nitric oxide synthase in a rat model of sepsis. <i>Journal of Applied Physiology</i> , <b>1999</b> , 86, 1739-44	3.7	46
43	Asymmetric dimethylarginine contributes to airway nitric oxide deficiency in patients with cystic fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2011</b> , 183, 1363-8	10.2	43
42	Increased ornithine-derived polyamines cause airway hyperresponsiveness in a mouse model of asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2013</b> , 48, 694-702	5.7	39
41	Associations between bacterial communities of house dust and infant gut. <i>Environmental Research</i> , <b>2014</b> , 131, 25-30	7.9	38
40	Comparative cardiopulmonary effects of size-fractionated airborne particulate matter. <i>Inhalation Toxicology</i> , <b>2012</b> , 24, 161-71	2.7	35
39	2-aminoimidazole amino acids as inhibitors of the binuclear manganese metalloenzyme human arginase I. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 4266-76	8.3	35
38	Pulmonary microvascular changes during sepsis: evaluation using intravital videomicroscopy. <i>Microvascular Research</i> , <b>2000</b> , 60, 131-40	3.7	33
37	Infant gut immunity: a preliminary study of IgA associations with breastfeeding. <i>Journal of Developmental Origins of Health and Disease</i> , <b>2016</b> , 7, 68-72	2.4	31
36	Arginase inhibition prevents bleomycin-induced pulmonary hypertension, vascular remodeling, and collagen deposition in neonatal rat lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2015</b> , 308, L503-10	5.8	30
35	Augmentation of arginase 1 expression by exposure to air pollution exacerbates the airways hyperresponsiveness in murine models of asthma. <i>Respiratory Research</i> , <b>2011</b> , 12, 19	7.3	30
34	Asymmetric dimethylarginine in chronic obstructive pulmonary disease (ADMA in COPD). <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 6062-71	6.3	29
33	A 4-Week Model of House Dust Mite (HDM) Induced Allergic Airways Inflammation with Airway Remodeling. <i>Scientific Reports</i> , <b>2018</b> , 8, 6925	4.9	26
32	Spleen tyrosine kinase inhibition attenuates airway hyperresponsiveness and pollution-induced enhanced airway response in a chronic mouse model of asthma. <i>Journal of Allergy and Clinical Immunology</i> , <b>2013</b> , 131, 512-20.e1-10	11.5	26
31	Inducible NO synthase (iNOS) in human neutrophils but not pulmonary microvascular endothelial cells (PMVEC) mediates septic protein leak in vitro. <i>Microvascular Research</i> , <b>2007</b> , 74, 23-31	3.7	25
30	Increased L-arginine uptake and inducible nitric oxide synthase activity in aortas of rats with heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 280, H859-67	5.2	25
29	Hypertrophic airway smooth muscle mass correlates with increased airway responsiveness in a murine model of asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2012</b> , 46, 532-40	5.7	23
28	Osteopontin inhibits inducible nitric oxide synthase activity in rat vascular tissue. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1998</b> , 275, H2258-65	5.2	23
27	Therapeutic potential and mechanisms of action of mesenchymal stromal cells for Acute Respiratory Distress Syndrome. <i>Current Stem Cell Research and Therapy</i> , <b>2014</b> , 9, 319-29	3.6	23

26	Nonadrenergic noncholinergic relaxation of human pulmonary arteries is partially mediated by nitric oxide. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>1996</b> , 154, 629-32	10.2	22
25	Noninvasive measurement of exhaled nitric oxide in a spontaneously breathing mouse. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2001</b> , 163, 1113-6	10.2	21
24	Identification and molecular characterization of the phytoplasma associated with a lethal yellowing-type disease of coconut in Côte d'Ivoire. <i>Canadian Journal of Plant Pathology</i> , <b>2014</b> , 36, 141-150	1.6	19
23	Does the activation of poly (ADP-ribose) synthetase mediate tissue injury in the sepsis induced by cecal ligation and puncture?. <i>Shock</i> , <b>2001</b> , 16, 137-42	3.4	17
22	Limitations of ischemic tolerance in oxidative skeletal muscle: perfusion vs tissue protection. <i>Journal of Surgical Research</i> , <b>2003</b> , 109, 62-7	2.5	16
21	Arginine metabolism in asthma. <i>Immunology and Allergy Clinics of North America</i> , <b>2014</b> , 34, 767-75	3.3	15
20	Nonadrenergic noncholinergic vasodilation of guinea pig pulmonary arteries is mediated by nitric oxide. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>1999</b> , 77, 89-95	2.4	14
19	Spleen tyrosine kinase mediates BEAS-2B cell migration and proliferation and human rhinovirus-induced expression of vascular endothelial growth factor and interleukin-8. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2012</b> , 340, 277-85	4.7	13
18	Differential inducible nitric oxide synthase activity in circulating neutrophils vs. mononuclears of septic shock patients. <i>Intensive Care Medicine</i> , <b>2005</b> , 31, 1132-5	14.5	13
17	Physical Characterization of the University of Toronto Coarse, Fine, and Ultrafine High-Volume Particle Concentrator Systems. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 1015-1024	3.4	11
16	Arginase in Asthma ? Recent Developments in Animal and Human Studies~!2009-11-12~!2010-03-23~!2010-05-04~!. <i>The Open Nitric Oxide Journal</i> , <b>2010</b> , 2, 20-36		11
15	Syk mediates airway contractility independent of leukocyte function. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2015</b> , 70, 429-35	9.3	10
14	Asymmetric dimethylarginine and asthma. <i>European Respiratory Journal</i> , <b>2014</b> , 43, 647-8	13.6	10
13	Arginine Therapy for Lung Diseases. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 627503	5.6	6
12	Plasma arginine metabolites reflect airway dysfunction in a murine model of allergic airway inflammation. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 1229-33	3.7	5
11	Skin and respiratory symptoms among workers with suspected work-related disease. <i>Occupational Medicine</i> , <b>2012</b> , 62, 420-6	2.1	5
10	Syk Regulates Neutrophilic Airway Hyper-Responsiveness in a Chronic Mouse Model of Allergic Airways Inflammation. <i>PLoS ONE</i> , <b>2017</b> , 12, e0163614	3.7	5
9	Preserving US microbe collections sparks future discoveries. <i>Journal of Applied Microbiology</i> , <b>2020</b> , 129, 162-174	4.7	5

8	Multilocus DNA sequencing of the whiskey fungus reveals a continental-scale speciation pattern. <i>Persoonia: Molecular Phylogeny and Evolution of Fungi</i> , <b>2016</b> , 37, 13-20	9	5
7	Occupational endotoxin exposure and a novel luminol-enhanced chemiluminescence assay of nasal lavage neutrophil activation. <i>Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 127, 272-5	11.5	2
6	Nonadrenergic noncholinergic vasodilation of guinea pig pulmonary arteries is mediated by nitric oxide. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>1999</b> , 77, 89-95	2.4	2
5	LAPCs contribute to the pathogenesis of allergen-induced allergic airway inflammation in mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 69, 924-35	9.3	1
4	Asymmetric-Dimethylarginine <b>2017</b> , 247-254		1
3	In vivo and In vitro Assessment of Particulate Matter Toxicology. <i>Environmental Science and Engineering</i> , <b>2010</b> , 427-449	0.2	1
2	What factors shape surgical access in West Africa? A qualitative study exploring patient and provider experiences of managing injuries in Sierra Leone. <i>BMJ Open</i> , <b>2021</b> , 11, e042402	3	1
1	Nitric Oxide and Nitrogen Oxides <b>2022</b> , 426-442		