Graeme R Zosky

List of Publications by Year
in descending order

122	3,513	147801	168389
papers	citations	31 h-index	53 g-index

122	122	122	4748
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vitamin D Deficiency Causes Deficits in Lung Function and Alters Lung Structure. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1336-1343.	5.6	296
2	Animal models of asthma. Clinical and Experimental Allergy, 2007, 37, 973-988.	2.9	252
3	Accelerated Antigen Sampling and Transport by Airway Mucosal Dendritic Cells following Inhalation of a Bacterial Stimulus. Journal of Immunology, 2006, 177, 5861-5867.	0.8	180
4	Reversal of airway hyperresponsiveness by induction of airway mucosal CD4+CD25+ regulatory T cells. Journal of Experimental Medicine, 2006, 203, 2649-2660.	8.5	175
5	Vitamin D Deficiency at 16 to 20 Weeksâ€™ Gestation Is Associated with Impaired Lung Function and Asthma at 6 Years of Age. Annals of the American Thoracic Society, 2014, 11, 571-577.	3.2	104
6	Maternal vitamin D deficiency alters fetal brain development in the BALB/c mouse. Behavioural Brain Research, 2015, 286, 192-200.	2.2	94
7	Vitamin D in Fetal Development: Findings From a Birth Cohort Study. Pediatrics, 2015, 135, e167-e173.	2.1	93
8	Urban-associated diseases: Candidate diseases, environmental risk factors, and a path forward. Environment International, 2019, 133, 105187.	10.0	83
9	Sexual dimorphism in lung function responses to acute influenza A infection. Influenza and Other Respiratory Viruses, 2011, 5, 334-342.	3.4	65
10	Effects of human rhinovirus on epithelial barrier integrity and function in children with asthma. Clinical and Experimental Allergy, 2018, 48, 513-524.	2.9	63
11	Vitamin D3 Supplementation Reduces Subsequent Brain Injury and Inflammation Associated with Ischemic Stroke. NeuroMolecular Medicine, 2018, 20, 147-159.	3.4	60
12	Suppression of the asthmatic phenotype by ultraviolet Bâ€induced, antigenâ€specific regulatory cells. Clinical and Experimental Allergy, 2007, 37, 1267-1276.	2.9	59
13	Coal workers' pneumoconiosis: an Australian perspective. Medical Journal of Australia, 2016, 204, 414-418.	1.7	58
14	Renin-angiotensin-system, a potential pharmacological candidate, in acute respiratory distress syndrome during mechanical ventilation. Pulmonary Pharmacology and Therapeutics, 2019, 58, 101833.	2.6	58
15	Ovalbuminâ€sensitized mice are good models for airway hyperresponsiveness but not acute physiological responses to allergen inhalation. Clinical and Experimental Allergy, 2008, 38, 829-838.	2.9	57
16	The Effects of In Utero Vitamin D Deficiency on Airway Smooth Muscle Mass and Lung Function. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 664-675.	2.9	55
17	Allergic Airways Disease Develops after an Increase in Allergen Capture and Processing in the Airway Mucosa. Journal of Immunology, 2007, 179, 5748-5759.	0.8	53
18	Quantification of heterogeneity in lung disease with image-based pulmonary function testing. Scientific Reports, 2016, 6, 29438.	3.3	50

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19	Plethysmographic estimation of thoracic gas volume in apneic mice. Journal of Applied Physiology, 2006, 101, 454-459.	2.5	49
20	Early Life Arsenic Exposure and Acute and Long-term Responses to Influenza A Infection in Mice. Environmental Health Perspectives, 2013, 121, 1187-1193.	6.0	46
21	The bimodal quasi-static and dynamic elastance of the murine lung. Journal of Applied Physiology, 2008, 105, 685-692.	2.5	42
22	Vitamin D Deficiency and the Lung: Disease Initiator or Disease Modifier?. Nutrients, 2013, 5, 2880-2900.	4.1	42
23	Vitamin D Deficiency in BALB/c Mouse Pregnancy Increases Placental Transfer of Glucocorticoids. Endocrinology, 2015, 156, 3673-3679.	2.8	42
24	In Utero Exposure to Arsenic Alters Lung Development and Genes Related to Immune and Mucociliary Function in Mice. Environmental Health Perspectives, 2013, 121, 244-250.	6.0	38
25	Identification of vitamin D sensitive pathways during lung development. Respiratory Research, 2016, 17, 47.	3.6	37
26	A cross-sectional survey of environmental health in remote Aboriginal communities in Western Australia. International Journal of Environmental Health Research, 2016, 26, 525-535.	2.7	37
27	Vitamin D deficiency causes airway hyperresponsiveness, increases airway smooth muscle mass, and reduces TGF-Î² expression in the lungs of female BALB/c mice. Physiological Reports, 2014, 2, e00276.	1.7	36
28	Vitamin D both facilitates and attenuates the cellular response to lipopolysaccharide. Scientific Reports, 2017, 7, 45172.	3.3	36
29	In utero exposure to low dose arsenic via drinking water impairs early life lung mechanics in mice. BMC Pharmacology & Toxicology, 2013, 14, 13.	2.4	34
30	Reversible Control by Vitamin D of Granulocytes and Bacteria in the Lungs of Mice: An Ovalbumin-Induced Model of Allergic Airway Disease. PLoS ONE, 2013, 8, e67823.	2.5	34
31	In vitro assessment of the toxicity of bushfire emissions: A review. Science of the Total Environment, 2017, 603-604, 268-278.	8.0	33
32	Sensitizing and Th2 Adjuvant Activity of Cysteine Protease Allergens. International Archives of Allergy and Immunology, 2012, 158, 347-358.	2.1	32
33	Variability and consistency in lung inflammatory responses to particles with a geogenic origin. Respirology, 2014, 19, 58-66.	2.3	32
34	Early life exposure to coal mine fire smoke emissions and altered lung function in young children. Respirology, 2020, 25, 198-205.	2.3	32
35	The Concentration of Iron in Real-World Geogenic PM10 Is Associated with Increased Inflammation and Deficits in Lung Function in Mice. PLoS ONE, 2014, 9, e90609.	2.5	31
36	The pattern of methacholine responsiveness in mice is dependent on antigen challenge dose. Respiratory Research, 2004, 5, 15.	3.6	30

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37	Hyperresponsiveness to inhaled but not intravenous methacholine during acute respiratory syncytial virus infection in mice. Respiratory Research, 2005, 6, 142.	3.6	30
38	High resolution propagation-based imaging system for in vivo dynamic computed tomography of lungs in small animals. Physics in Medicine and Biology, 2018, 63, 08NT03.	3.0	30
39	In utero cigarette smoke exposure impairs somatic and lung growth in BALB/c mice. European Respiratory Journal, 2011, 38, 932-938.	6.7	28
40	Outdoor particulate matter exposure and upper respiratory tract infections in children and adolescents: A systematic review and meta-analysis. Environmental Research, 2022, 210, 112969.	7.5	28
41	Visualisation of Multiple Tight Junctional Complexes in Human Airway Epithelial Cells. Biological Procedures Online, 2018, 20, 3.	2.9	27
42	Effect of human rhinovirus infection on airway epithelium tight junction protein disassembly and transepithelial permeability. Experimental Lung Research, 2016, 42, 380-395.	1.2	26
43	Assessment of airway response distribution and paradoxical airway dilation in mice during methacholine challenge. Journal of Applied Physiology, 2017, 122, 503-510.	2.5	26
44	Linking lung function and inflammatory responses in ventilator-induced lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L112-L120.	2.9	25
45	Rhinovirus Exacerbates House-Dust-Mite Induced Lung Disease in Adult Mice. PLoS ONE, 2014, 9, e92163.	2.5	25
46	The Link between Regional Tidal Stretch and Lung Injury during Mechanical Ventilation. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 569-577.	2.9	24
47	Protective mechanical ventilation does not exacerbate lung function impairment or lung inflammation following influenza A infection. Journal of Applied Physiology, 2009, 107, 1472-1478.	2.5	23
48	Airway hyperresponsiveness is associated with activated CD4⁺ T cells in the airways. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L373-L379.	2.9	23
49	Geogenic PM10 exposure exacerbates responses to influenza infection. Science of the Total Environment, 2015, 533, 275-282.	8.0	23
50	Downregulation of IgE antibody and allergic responses in the lung by epidermal biolistic microparticle delivery. Journal of Allergy and Clinical Immunology, 2006, 117, 275-282.	2.9	22
51	Accumulation mode particles and LPS exposure induce TLR-4 dependent and independent inflammatory responses in the lung. Respiratory Research, 2018, 19, 15.	3.6	22
52	Respiratory surveillance for coal mine dust and artificial stone exposed workers in Australia and New Zealand: A position statement from the Thoracic Society of Australia and New Zealand*. Respirology, 2020, 25, 1193-1202.	2.3	22
53	Independent and combined effects of airway remodelling and allergy on airway responsiveness. Clinical Science, 2018, 132, 327-338.	4.3	20
54	The parasympathetic nervous system: its role during torpor in the fat-tailed dunnart (Sminthopsis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Physiology, 2002, 172, 677-684.	1.5	19

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55	Acute Influenza A infection induces bronchial hyper-responsiveness in mice. Respiratory Physiology and Neurobiology, 2008, 162, 190-196.	1.6	19
56	UV inhibits allergic airways disease in mice by reducing effector CD4⁺ T cells. Clinical and Experimental Allergy, 2010, 40, 772-785.	2.9	18
57	Physiological and inflammatory responses in an anthropomorphically relevant model of acute diesel exhaust particle exposure are sex and dose-dependent. Inhalation Toxicology, 2011, 23, 906-917.	1.6	18
58	The pro-inflammatory effects of particulate matter on epithelial cells are associated with elemental composition. Chemosphere, 2018, 202, 530-537.	8.2	18
59	Effects of chemical composition on the lung cell response to coal particles: Implications for coal workers' pneumoconiosis. Respirology, 2022, 27, 447-454.	2.3	18
60	The parasympathetic nervous system and its influence on heart rate in torpid western pygmy possums, Cercatetus concinnus (Marsupialia: Burramyidae). Zoology, 2003, 106, 143-150.	1.2	16
61	Persistent and Compartmentalised Disruption of Dendritic Cell Subpopulations in the Lung following Influenza A Virus Infection. PLoS ONE, 2014, 9, e111520.	2.5	15
62	Respiratory and atopic conditions in children two to four years after the 2014 Hazelwood coalmine fire. Medical Journal of Australia, 2020, 213, 269-275.	1.7	15
63	Exposure to Stress and Air Pollution from Bushfires during Pregnancy: Could Epigenetic Changes Explain Effects on the Offspring?. International Journal of Environmental Research and Public Health, 2021, 18, 7465.	2.6	15
64	Parental knowledge, beliefs and management of childhood fever in Australia: A nationwide survey. Journal of Clinical Pharmacy and Therapeutics, 2019, 44, 768-774.	1.5	14
65	â€˜Breathing Fireâ€™: Impact of Prolonged Bushfire Smoke Exposure in People with Severe Asthma. International Journal of Environmental Research and Public Health, 2022, 19, 7419.	2.6	14
66	High tidal volume ventilation in infant mice. Respiratory Physiology and Neurobiology, 2008, 162, 93-99.	1.6	13
67	A pathogenic role for the integrin CD103 in experimental allergic airways disease. Physiological Reports, 2016, 4, e13021.	1.7	13
68	Maternal exposure to particulate matter alters early post-natal lung function and immune cell development. Environmental Research, 2018, 164, 625-635.	7.5	13
69	The Inflammatory Effect of Iron Oxide and Silica Particles on Lung Epithelial Cells. Lung, 2019, 197, 199-207.	3.3	13
70	Exposure to air pollution during the first 1000 days of life and subsequent health service and medication usage in children. Environmental Pollution, 2020, 256, 113340.	7.5	13
71	No association between pyrite content and lung cell responses to coal particles. Scientific Reports, 2021, 11, 8193.	3.3	13
72	Lung volume recruitment maneuvers and respiratory system mechanics in mechanically ventilated mice. Respiratory Physiology and Neurobiology, 2009, 169, 243-251.	1.6	12

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73	The mechanism of deep inspiration-induced bronchoprotection: evidence from a mouse model. European Respiratory Journal, 2012, 40, 982-989.	6.7	12
74	Lung development. Photochemical and Photobiological Sciences, 2017, 16, 339-346.	2.9	12
75	Cohort Profile: The Hazelwood Health Study Latrobe Early Life Follow-Up (ELF) Study. International Journal of Epidemiology, 2021, 49, 1779-1780.	1.9	11
76	Acute diesel exhaust particle exposure increases viral titre and inflammation associated with existing influenza infection, but does not exacerbate deficits in lung function. Influenza and Other Respiratory Viruses, 2013, 7, 701-709.	3.4	10
77	Identification of genes differentially regulated by vitamin D deficiency that alter lung pathophysiology and inflammation in allergic airways disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L653-L663.	2.9	10
78	Novel analysis of 4DCT imaging quantifies progressive increases in anatomic dead space during mechanical ventilation in mice. Journal of Applied Physiology, 2017, 123, 578-584.	2.5	10
79	Bacillus licheniformis in geogenic dust induces inflammation in respiratory epithelium. Environmental Research, 2018, 164, 248-254.	7.5	10
80	Absence of cholinergic airway tone in normal BALB/c mice. Respiratory Physiology and Neurobiology, 2008, 161, 223-229.	1.6	9
81	Impact of supplemental oxygen in mechanically ventilated adult and infant mice. Respiratory Physiology and Neurobiology, 2009, 165, 61-66.	1.6	9
82	Interaction between regional lung volumes and ventilator-induced lung injury in the normal and endotoxemic lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L494-L499.	2.9	9
83	Paracoxib Alleviates Ventilator-Induced Lung Injury Through Functional Modulation of Lung-Recruited CD11bloLy6Chi Monocytes. Shock, 2021, 55, 236-243.	2.1	9
84	Lack of long-term effects of respiratory syncytial virus infection on airway function in mice. Respiratory Physiology and Neurobiology, 2007, 156, 345-352.	1.6	8
85	Diet-induced vitamin D deficiency has no effect on acute post-stroke outcomes in young male mice. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1968-1978.	4.3	8
86	Long-term impacts of prenatal and infant exposure to fine particulate matter on wheezing and asthma. Environmental Epidemiology, 2019, 3, e042.	3.0	8
87	Inorganic particulate matter modulates non-typeable Haemophilus influenzae growth: a link between chronic bacterial infection and geogenic particles. Environmental Geochemistry and Health, 2020, 42, 2137-2145.	3.4	8
88	Roof cavity dust as an exposure proxy for extreme air pollution events. Chemosphere, 2020, 244, 125537.	8.2	8
89	No role for neutrophil elastase in influenza-induced cellular recruitment, cytokine production or airway hyperresponsiveness in mice. Respiratory Physiology and Neurobiology, 2010, 173, 164-170.	1.6	7
90	Imaging lung tissue oscillations using high-speed X-ray velocimetry. Journal of Synchrotron Radiation, 2016, 23, 324-330.	2.4	7

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91	The Impact of Sex and 25(OH)D Deficiency on Metabolic Function in Mice. Nutrients, 2017, 9, 985.	4.1	7
92	<scp>Workâ€related</scp> asthma: A position paper from the Thoracic Society of Australia and New Zealand and the National Asthma Council Australia. Respirology, 2020, 25, 1183-1192.	2.3	7
93	Genotypically defined Î²-lactamase-negative ampicillin-resistant isolates of non-typable Haemophilus influenzae are associated with increased invasion of bronchial epithelial cells in vitro. Journal of Medical Microbiology, 2014, 63, 1400-1403.	1.8	6
94	Emergency department presentations of febrile children to an Australian public hospital. Journal of Paediatrics and Child Health, 2018, 54, 1308-1313.	0.8	6
95	The proteomic response is linked to regional lung volumes in ventilator-induced lung injury. Journal of Applied Physiology, 2020, 129, 837-845.	2.5	6
96	Cow Dung Biomass Smoke Exposure Increases Adherence of Respiratory Pathogen Nontypeable Haemophilus influenzae to Human Bronchial Epithelial Cells. Exposure and Health, 2020, 12, 883-895.	4.9	6
97	Principles for setting air quality guidelines to protect human health in Australia. Medical Journal of Australia, 2021, 214, 254.	1.7	6
98	The respiratory health effects of geogenic (earth derived) PM₁₀. Inhalation Toxicology, 2017, 29, 342-355.	1.6	5
99	Optical coherence tomography-based contactÂindentationÂfor diaphragm mechanics in a mouse model of transforming growth factor alpha induced lung disease. Scientific Reports, 2017, 7, 1517.	3.3	5
100	The Contribution of Geogenic Particulate Matter to Lung Disease in Indigenous Children. International Journal of Environmental Research and Public Health, 2019, 16, 2636.	2.6	5
101	Quantification of muco-obstructive lung disease variability in mice via laboratory X-ray velocimetry. Scientific Reports, 2020, 10, 10859.	3.3	5
102	Adverse effects of prenatal exposure to residential dust on post-natal brain development. Environmental Research, 2021, 198, 110489.	7.5	5
103	Previous Influenza Infection Exacerbates Allergen Specific Response and Impairs Airway Barrier Integrity in Pre-Sensitized Mice. International Journal of Molecular Sciences, 2021, 22, 8790.	4.1	5
104	Down Under in the Coal Mines. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 772-773.	5.6	4
105	A cost-effective technique for generating preservable biomass smoke extract and measuring its effect on cell receptor expression in human bronchial epithelial cells. Biology Methods and Protocols, 2018, 3, bpy010.	2.2	4
106	Pregnancy protects against the pro-inflammatory respiratory responses induced by particulate matter exposure. Chemosphere, 2019, 225, 796-802.	8.2	4
107	Mouse Models of Asthma. Allergy and Clinical Immunology International, 2006, 18, 76-79.	0.3	4
108	House Dust Mite Induced Lung Inflammation Does Not Alter Circulating Vitamin D Levels. PLoS ONE, 2014, 9, e112589.	2.5	4

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109	The cardiac innervation of a marsupial heterotherm, the fat-tailed dunnart (Sminthopsis) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Physiology, 2003, 173, 293-300.	1.5	3
110	Factors influencing the assessment of lung function in mice with influenzaâ€induced lung disease. Influenza and Other Respiratory Viruses, 2013, 7, 889-894.	3.4	3
111	Aging of the Normal Lung. , 2015, , 185-204.		3
112	The association between regional transcriptome profiles and lung volumes in response to mechanical ventilation and lung injury. Respiratory Research, 2022, 23, 35.	3.6	3
113	Commentaries on Viewpoint: Standards for quantitative assessment of lung structure. Journal of Applied Physiology, 2010, 109, 935-936.	2.5	2
114	The independent effects of vitamin D deficiency and house dust mite exposure on lung function are sex-specific. Scientific Reports, 2017, 7, 15198.	3.3	2
115	Associations between respiratory and vascular function in early childhood. Respirology, 2021, 26, 1060-1066.	2.3	2
116	Emerging issues in the Pacific Basin. Reviews on Environmental Health, 2011, 26, 39-44.	2.4	1
117	Reply: Seasonality and Total 25-Hydroxyvitamin D Levels as Sources of Potential Misclassification of Vitamin D Deficiency. Annals of the American Thoracic Society, 2014, 11, 1337-1338.	3.2	1
118	In utero exposure to diesel exhaust particles, but not silica, alters post-natal immune development and function. Chemosphere, 2021, 268, 129314.	8.2	1
119	Dust exposure impactshaemophilus influenzaeattachment and invasion of human airway epithelial cells. , 2016, , .		1
120	Iron Oxide Particles Alter Bacterial Uptake and the LPS-Induced Inflammatory Response in Macrophages. International Journal of Environmental Research and Public Health, 2021, 18, 146.	2.6	1
121	Cardiac autonomic innervation of the western pygmy possum (Cercatetus concinnus) and golden bandicoot (Isoodon auratus). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 203-211.	1.5	0
122	Protein levels, air pollution and vitamin D deficiency: links with allergy. ERJ Open Research, 2021, 7, 00237-2021.	2.6	0