Wayne Mitzner

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7954384/publications.pdf

Version: 2024-02-01

61 papers	2,282 citations	236612 25 h-index	223531 46 g-index
69 all docs	69 docs citations	69 times ranked	3198 citing authors

#	Article	IF	Citations
1	Direct Visualization and Quantitative Imaging of Small Airway Anatomy Using Deep Learning Assisted Diffractive OCT<i />. IEEE Transactions on Biomedical Engineering, 2023, 70, 238-246.	2.5	7
2	Visualization and Validation of The Microstructures in The Airway Wall in vivo Using Diffractive Optical Coherence Tomography. Academic Radiology, 2022, 29, 1623-1630.	1.3	7
3	Metformin Alleviates Airway Hyperresponsiveness in a Mouse Model of Diet-Induced Obesity. Frontiers in Physiology, 2022, 13, 883275.	1.3	4
4	NRF2 Activation Promotes Aggressive Lung Cancer and Associates with Poor Clinical Outcomes. Clinical Cancer Research, 2021, 27, 877-888.	3.2	84
5	Second harmonic generation imaging of collagen scaffolds within the alveolar ducts of healthy and emphysematous mouse lungs. Histochemistry and Cell Biology, 2021, 155, 279-289.	0.8	11
6	Multigenerational Epigenetic Regulation of Allergic Diseases: Utilizing an Experimental Dust Mite-Induced Asthma Model. Frontiers in Genetics, 2021, 12, 624561.	1.1	8
7	Effect of an Adenovirus-Vectored Universal Influenza Virus Vaccine on Pulmonary Pathophysiology in a Mouse Model. Journal of Virology, 2021, 95, .	1.5	7
8	Airway compliance measurements in mouse models of respiratory diseases. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L204-L212.	1.3	7
9	Immune modulation by chronic exposure to waterpipe smoke and immediate-early gene regulation in murine lungs. Tobacco Control, 2020, 29, s80-s89.	1.8	7
10	Role of Isocitrate Dehydrogenase 2 on DNA Hydroxymethylation in Human Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 36-45.	1.4	12
11	Self-organizing pattern of subpleural alveolar ducts. Scientific Reports, 2020, 10, 3185.	1.6	5
12	Current Advances in COPD Imaging. Academic Radiology, 2019, 26, 335-343.	1.3	8
13	Calpain 9 as a therapeutic target in TGFÎ²-induced mesenchymal transition and fibrosis. Science Translational Medicine, 2019, 11, .	5.8	30
14	Caloric restriction prevents the development of airway hyperresponsiveness in mice on a high fat diet. Scientific Reports, 2019, 9, 279.	1.6	7
15	High fat diet induces airway hyperresponsiveness in mice. Scientific Reports, 2018, 8, 6404.	1.6	21
16	Mrgprs on vagal sensory neurons contribute to bronchoconstriction and airway hyper-responsiveness. Nature Neuroscience, 2018, 21, 324-328.	7.1	46
17	Quantitative Histology Seriously Flawed by Lack of Lung Volume Measurement. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 273-274.	1.4	2
18	Production of amphiregulin and recovery from influenza is greater in males than females. Biology of Sex Differences, 2018, 9, 24.	1.8	40

#	Article	IF	Citations
19	Pregnancy preserves pulmonary function following influenza virus infection in C57BL/6 mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L517-L525.	1.3	21
20	Immune-mediated inflammation in the pathogenesis of emphysema: insights from mouse models. Cell and Tissue Research, 2017, 367, 591-605.	1.5	27
21	Automated full-range pressure-volume curves in mice and rats. Journal of Applied Physiology, 2017, 123, 746-756.	1.2	37
22	Super-achromatic monolithic microprobe for ultrahigh-resolution endoscopic optical coherence tomography at 800â€‰nm. Nature Communications, 2017, 8, 1531.	5.8	57
23	Oxidized CaMKII promotes asthma through the activation of mast cells. JCI Insight, 2017, 2, e90139.	2.3	33
24	Lung Density in Extremely Large Healthy Lungs. Chest, 2016, 149, 291-292.	0.4	0
25	Bronchial Artery Angiogenesis Drives Lung Tumor Growth. Cancer Research, 2016, 76, 5962-5969.	0.4	37
26	An inflammation-independent contraction mechanophenotype of airway smooth muscle in asthma. Journal of Allergy and Clinical Immunology, 2016, 138, 294-297.e4.	1.5	52
27	Recruited monocytes modulate malaria-induced lung injury through CD36-mediated clearance of sequestered infected erythrocytes. Journal of Leukocyte Biology, 2016, 99, 659-671.	1.5	37
28	Aberrant DNA Methylation of Phosphodiestarase 4D Alters Airway Smooth Muscle Cell Phenotypes. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 241-249.	1.4	14
29	Vaccinia vaccineâ€“based immunotherapy arrests and reverses established pulmonary fibrosis. JCI Insight, 2016, 1, e83116.	2.3	22
30	Progesterone-Based Therapy Protects Against Influenza by Promoting Lung Repair and Recovery in Females. PLoS Pathogens, 2016, 12, e1005840.	2.1	94
31	Lung Density Changes With Growth and Inflation. Chest, 2015, 148, 995-1002.	0.4	20
32	Phenotyping Mouse Pulmonary Function In Vivo with the Lung Diffusing Capacity. Journal of Visualized Experiments, 2015, , e52216.	0.2	13
33	Measurement of the Pressure-volume Curve in Mouse Lungs. Journal of Visualized Experiments, 2015, , 52376.	0.2	29
34	Instillation and Fixation Methods Useful in Mouse Lung Cancer Research. Journal of Visualized Experiments, 2015, , e52964.	0.2	27
35	Experimental progressive emphysema in BALB/cJ mice as a model for chronic alveolar destruction in humans. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L662-L676.	1.3	39
36	Telomere dysfunction causes alveolar stem cell failure. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5099-5104.	3.3	263

#	Article	IF	Citations
37	Transgenically-expressed secretoglobin 3A2 accelerates resolution of bleomycin-induced pulmonary fibrosis in mice. BMC Pulmonary Medicine, 2015, 15, 72.	0.8	16
38	A mouse model of chronic idiopathic pulmonary fibrosis. Physiological Reports, 2014, 2, e00249.	0.7	55
39	Role of Nrf2 transcription factor in ozoneâ€induced emphysema in mice. FASEB Journal, 2013, 27, 722.7.	0.2	0
40	Emphysema â€" A Disease of Small Airways or Lung Parenchyma?. New England Journal of Medicine, 2011, 365, 1637-1639.	13.9	55
41	Mechanics of the Lung in the 20th Century. , 2011, 1, 2009-2027.		21
42	Application of carbon monoxide diffusing capacity in the mouse lung. Journal of Applied Physiology, 2011, 110, 1455-1459.	1.2	36
43	Standards for quantitative assessment of lung structure. Journal of Applied Physiology, 2010, 109, 934-934.	1.2	3
44	Variable Effects of Caloric Restriction on Metabolic and Breathing Regulation Between Two Inbred Mouse Strains. FASEB Journal, 2009, 23, .	0.2	0
45	Anisotropic Nature of Mouse Lung Parenchyma. Annals of Biomedical Engineering, 2008, 36, 2111-2120.	1.3	31
46	Utilization of oligonucleotide microarray profiles from C57BL/6J (B6) and DBA/2J (D2) mice to discover agingâ€related genes in the lung. FASEB Journal, 2007, 21, A1352.	0.2	0
47	Relationship between lung architecture and lung function are genetically determined. FASEB Journal, 2007, 21, A1339.	0.2	1
48	Gene expression differences that explain strain variations in lung architecture. FASEB Journal, 2007, 21, A1352.	0.2	0
49	Genetic Control of Breathing: Effects of Gender and Lung Mechanics. FASEB Journal, 2007, 21, A556.	0.2	0
50	Bronchial Thermoplasty in Asthma. Allergology International, 2006, 55, 225-234.	1.4	6
51	Airway Smooth Muscle. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 787-790.	2.5	215
52	On defining total lung capacity in the mouse. Journal of Applied Physiology, 2004, 96, 1658-1664.	1.2	82
53	Vascular remodeling in the circulations of the lung. Journal of Applied Physiology, 2004, 97, 1999-2004.	1.2	73
54	Airway response to deep inspiration: role of inflation pressure. Journal of Applied Physiology, 2001, 91, 2574-2578.	1.2	36

#	Article	IF	Citations
55	Effects of tidal volume stretch on airway constriction in vivo. Journal of Applied Physiology, 2001, 91, 1995-1998.	1.2	16
56	Assessment of cellular profile and lung function with repeated bronchoalveolar lavage in individual mice. Physiological Genomics, 2000, 2, 29-36.	1.0	30
57	Airway closure with high PEEP in vivo. Journal of Applied Physiology, 2000, 89, 956-960.	1.2	25
58	Potential Mechanism of Hyperresponsive Airways. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 1619-1623.	2.5	27
59	A method of endotracheal intubation and pulmonary functional assessment for repeated studies in mice. Journal of Applied Physiology, 1999, 87, 2362-2365.	1.2	146
60	Differential lung mechanics are genetically determined in inbred murine strains. Journal of Applied Physiology, 1999, 86, 1764-1769.	1.2	101
61	Expression of airway hyperreactivity to acetylcholine as a simple autosomal recessive trait in mice. FASEB Journal, 1988, 2, 2605-2608.	0.2	172