Ynuk BossÃ©

List of Publications by Year
in descending order

71 papers	1,215 citations	361413 20 h-index	414414 32 g-index
71 all docs	71 docs citations	71 times ranked	1363 citing authors

#	Article	IF	Citations
1	Effects of airway smooth muscle contraction and inflammation on lung tissue compliance. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L294-L304.	2.9	7
2	Sensitive physiological readouts to evaluate countermeasures for lipopolysaccharide-induced lung alterations in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 323, L107-L120.	2.9	2
3	In mice of both sexes, repeated contractions of smooth muscle in vivo greatly enhance the response of peripheral airways to methacholine. Respiratory Physiology and Neurobiology, 2022, 304, 103938.	1.6	3
4	Applications of oscillometry in clinical research and practice. Canadian Journal of Respiratory, Critical Care, and Sleep Medicine, 2021, 5, 54-68.	0.5	15
5	Intranasal versus intratracheal exposure to lipopolysaccharides in a murine model of acute respiratory distress syndrome. Scientific Reports, 2021, 11, 7777.	3.3	22
6	Flexibility of microstructural adaptions in airway smooth muscle. Journal of Applied Physiology, 2021, 130, 1555-1561.	2.5	3
7	Smooth muscle in abnormal airways. Current Opinion in Physiology, 2021, 21, 1-8.	1.8	5
8	Is asthma only an airways disorder?. Respirology, 2020, 25, 568-569.	2.3	2
9	Airway smooth muscle adapting in dynamic conditions is refractory to the bronchodilator effect of a deep inspiration. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L452-L458.	2.9	5
10	Airway smooth muscle tone increases actin filamentogenesis and contractile capacity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L442-L451.	2.9	8
11	Asthma: An Untoward Consequence of Endurance Sports?. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 7-8.	2.9	4
12	Shortening of airway smooth muscle is modulated by prolonging the time without simulated deep inspirations in ovine tracheal strips. Journal of Applied Physiology, 2019, 127, 1528-1538.	2.5	2
13	CD34 regulates the skeletal muscle response to hypoxia. Journal of Muscle Research and Cell Motility, 2019, 40, 309-318.	2.0	3
14	The Strain on Airway Smooth Muscle During a Deep Inspiration to Total Lung Capacity. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2019, 2, 0108021-1080221.	0.5	3
15	Extracellular regulation of airway smooth muscle contraction. International Journal of Biochemistry and Cell Biology, 2019, 112, 1-7.	2.8	1
16	Interval between simulated deep inspirations on the dynamics of airway smooth muscle contraction in guinea pig bronchi. Respiratory Physiology and Neurobiology, 2019, 259, 136-142.	1.6	5
17	The underlying physiological mechanisms whereby anticholinergics alleviate asthma. Canadian Journal of Physiology and Pharmacology, 2018, 96, 433-441.	1.4	7
18	CD34 Differentially Regulates Contractile and Noncontractile Elements of Airway Reactivity. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 79-88.	2.9	4

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19	Repeated airway constrictions in mice do not alter respiratory function. Journal of Applied Physiology, 2018, 124, 1483-1490.	2.5	21
20	Assessment of Respiratory Function in Conscious Mice by Double-chamber Plethysmography. Journal of Visualized Experiments, 2018, , .	0.3	15
21	Impact of immunization against OxLDL on the pulmonary response to cigarette smoke exposure in mice. Respiratory Research, 2018, 19, 131.	3.6	3
22	Comparison of eight 15-lipoxygenase (LO) inhibitors on the biosynthesis of 15-LO metabolites by human neutrophils and eosinophils. PLoS ONE, 2018, 13, e0202424.	2.5	34
23	Acute effects of nicotine-free and flavour-free electronic cigarette use on lung functions in healthy and asthmatic individuals. Respiratory Research, 2017, 18, 33.	3.6	42
24	An in vitro study examining the duration between deep inspirations on the rate of renarrowing. Respiratory Physiology and Neurobiology, 2017, 243, 13-19.	1.6	11
25	Airway smooth muscle tone increases airway responsiveness in healthy young adults. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L348-L357.	2.9	18
26	FTY720 promotes pulmonary fibrosis when administered during the remodelling phase following a bleomycin-induced lung injury. Pulmonary Pharmacology and Therapeutics, 2017, 44, 50-56.	2.6	14
27	A Phosphorylatable Sphingosine Analog Induces Airway Smooth Muscle Cytostasis and Reverses Airway Hyperresponsiveness in Experimental Asthma. Frontiers in Pharmacology, 2017, 8, 78.	3.5	7
28	Assessment of Airway Distensibility by the Forced Oscillation Technique: Reproducible and Potentially Simplifiable. Frontiers in Physiology, 2017, 8, 223.	2.8	7
29	Targeting Single Molecules in Asthma Benefits Few. Trends in Molecular Medicine, 2016, 22, 935-945.	6.7	6
30	Smooth muscle in human bronchi is disposed to resist airway distension. Respiratory Physiology and Neurobiology, 2016, 229, 51-58.	1.6	13
31	The contractile lability of smooth muscle in asthmatic airway hyperresponsiveness. Expert Review of Respiratory Medicine, 2016, 10, 19-27.	2.5	16
32	The gain of smooth muscle's contractile capacity induced by tone on in vivo airway responsiveness in mice. Journal of Applied Physiology, 2015, 118, 692-698.	2.5	11
33	The presumptive physiological significance of length adaptation was heretofore compelling . . . at least for a human mind. Journal of Applied Physiology, 2015, 118, 507-508.	2.5	2
34	Lung CD200 Receptor Activation Abrogates Airway Hyperresponsiveness in Experimental Asthma. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 276-284.	2.9	20
35	Treatment with a sphingosine analog after the inception of house dust mite-induced airway inflammation alleviates key features of experimental asthma. Respiratory Research, 2015, 16, 7.	3.6	11
36	Bronchoprotective effect of simulated deep inspirations in tracheal smooth muscle. Journal of Applied Physiology, 2014, 117, 1502-1513.	2.5	10

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37	Smooth Muscle in the Maintenance of Increased Airway Resistance Elicited by Methacholine in Humans. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 879-885.	5.6	13
38	Endocrine regulation of airway contractility is overlooked. Journal of Endocrinology, 2014, 222, R61-R73.	2.6	22
39	Airway contractility and remodeling: Links to asthma symptoms. Pulmonary Pharmacology and Therapeutics, 2013, 26, 3-12.	2.6	34
40	Smooth Muscle Hypercontractility in Airway Hyperresponsiveness: Innate, Acquired, or Nonexistent?. Journal of Allergy, 2013, 2013, 1-4.	0.7	3
41	Decrease of airway smooth muscle contractility induced by simulated breathing maneuvers is not simply proportional to strain. Journal of Applied Physiology, 2013, 114, 335-343.	2.5	22
42	The Contractile Properties of Airway Smooth Muscle: How their Defects can be Linked to Asthmatic Airway Hyperresponsiveness?. Current Respiratory Medicine Reviews, 2013, 9, 42-68.	0.2	6
43	Does the length dependency of airway smooth muscle force contribute to airway hyperresponsiveness?. Journal of Applied Physiology, 2013, 115, 1304-1315.	2.5	14
44	Mechanical properties of asthmatic airway smooth muscle. European Respiratory Journal, 2012, 40, 45-54.	6.7	86
45	Force Oscillations Simulating Breathing Maneuvers Do Not Prevent Force Adaptation. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 44-49.	2.9	19
46	Force Oscillations Simulating Breathing Do Not Prevent Force Adaptation. , 2012, , .		0
47	Comments on Point:Counterpoint: Alterations in airway smooth muscle phenotype do/do not cause airway hyperresponsiveness in asthma. Journal of Applied Physiology, 2012, 113, 844-846.	2.5	2
48	Asthmatic airway hyperresponsiveness: the ants in the tree. Trends in Molecular Medicine, 2012, 18, 627-633.	6.7	25
49	Length-Dependency Of Spasmogen-Induced Airway Smooth Muscle-Force: Potential Contribution To Airway Hyperresponsiveness In Remodeled Asthmatic Airways. , 2012, , .		0
50	Adaptation To Increased Airway Smooth Muscle-Tone Increases Airway Responsiveness In Healthy Subjects. , 2011, , .		0
51	The Contribution Of Airway Smooth Muscle-Force Adaptation In Airway Narrowing And Laminar Airflow Resistance Predicted By A Computational Model. , 2011, , .		0
52	A â€˜Goodâ€™ muscle in a â€˜Badâ€™ environment: The importance of airway smooth muscle force adaptation to airway hyperresponsiveness. Respiratory Physiology and Neurobiology, 2011, 179, 269-275.	1.6	29
53	Airway Smooth Muscle Responsiveness: The Origin of Airway Hyperresponsiveness in Asthma?. Current Respiratory Medicine Reviews, 2011, 7, 289-301.	0.2	4
54	Ultrastructural Quantification Of Asthmatic Airway Smooth Muscle Cells. , 2010, , .		0

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55	Passive Stiffness Of Airway Smooth Muscle Increases Following An Initial Decline Caused By Length Reduction. , 2010, , .		0
56	Increase in passive stiffness at reduced airway smooth muscle length: potential impact on airway responsiveness. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 298, L277-L287.	2.9	18
57	Chronic Activation in Shortened Airway Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 341-348.	2.9	29
58	It's Not All Smooth Muscle: Non-Smooth-Muscle Elements in Control of Resistance to Airflow. Annual Review of Physiology, 2010, 72, 437-462.	13.1	65
59	Adaptation of Airway Smooth Muscle to Basal Tone. American Journal of Respiratory Cell and Molecular Biology, 2009, 40, 13-18.	2.9	48
60	Stress and strain in the contractile and cytoskeletal filaments of airway smooth muscle. Pulmonary Pharmacology and Therapeutics, 2009, 22, 407-416.	2.6	18
61	Cysteinyl-leukotrienes in asthmatic airway smooth muscle cell hyperplasia. Annals of Allergy, Asthma and Immunology, 2009, 102, 16-21.	1.0	10
62	Airway wall remodeling in asthma: From the epithelial layer to the adventitia. Current Allergy and Asthma Reports, 2008, 8, 357-366.	5.3	63
63	FGF2 in asthmatic airway-smooth-muscle-cell hyperplasia. Trends in Molecular Medicine, 2008, 14, 3-11.	6.7	36
64	Interleukin-4 and Interleukin-13 Enhance Human Bronchial Smooth Muscle Cell Proliferation. International Archives of Allergy and Immunology, 2008, 146, 138-148.	2.1	30
65	Signaling by the Cysteinyl-Leukotriene Receptor 2. Journal of Biological Chemistry, 2008, 283, 1974-1984.	3.4	27
66	Leukotriene D₄ Up-Regulates Furin Expression through CysLT1 Receptor Signaling. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 227-234.	2.9	11
67	Length Adaptation of Airway Smooth Muscle. Proceedings of the American Thoracic Society, 2008, 5, 62-67.	3.5	50
68	Controversy surrounding the increased expression of TGFÎ²1 in asthma. Respiratory Research, 2007, 8, 66.	3.6	43
69	CysLT1 Receptor Engagement Induces Activator Protein-1â€“ and NF-ÎºBâ€“Dependent IL-8 Expression. American Journal of Respiratory Cell and Molecular Biology, 2006, 35, 697-704.	2.9	52
70	Fibroblast Growth Factor 2 and Transforming Growth Factor Î²1 Synergism in Human Bronchial Smooth Muscle Cell Proliferation. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 746-753.	2.9	71
71	Airway Hyperresponsiveness in Asthma: A Better Understanding Yet to Yield Clinical Benefit. Journal of Allergy & Therapy, 0, 2, .	0.1	3