

Ynuk BossÃ©

List of Publications by Year in descending order

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Version: 2024-02-01

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	Mechanical properties of asthmatic airway smooth muscle. <i>European Respiratory Journal</i> , 2012, 40, 45-54.	6.7	86
2	Fibroblast Growth Factor 2 and Transforming Growth Factor β 1 Synergism in Human Bronchial Smooth Muscle Cell Proliferation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 34, 746-753.	2.9	71
3	It's Not All Smooth Muscle: Non-Smooth-Muscle Elements in Control of Resistance to Airflow. <i>Annual Review of Physiology</i> , 2010, 72, 437-462.	13.1	65
4	Airway wall remodeling in asthma: From the epithelial layer to the adventitia. <i>Current Allergy and Asthma Reports</i> , 2008, 8, 357-366.	5.3	63
5	CysLT1 Receptor Engagement Induces Activator Protein-1 and NF- κ B-Dependent IL-8 Expression. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 697-704.	2.9	52
6	Length Adaptation of Airway Smooth Muscle. <i>Proceedings of the American Thoracic Society</i> , 2008, 5, 62-67.	3.5	50
7	Adaptation of Airway Smooth Muscle to Basal Tone. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 40, 13-18.	2.9	48
8	Controversy surrounding the increased expression of TGF β 1 in asthma. <i>Respiratory Research</i> , 2007, 8, 66.	3.6	43
9	Acute effects of nicotine-free and flavour-free electronic cigarette use on lung functions in healthy and asthmatic individuals. <i>Respiratory Research</i> , 2017, 18, 33.	3.6	42
10	FGF2 in asthmatic airway-smooth-muscle-cell hyperplasia. <i>Trends in Molecular Medicine</i> , 2008, 14, 3-11.	6.7	36
11	Airway contractility and remodeling: Links to asthma symptoms. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 3-12.	2.6	34
12	Comparison of eight 15-lipoxygenase (LO) inhibitors on the biosynthesis of 15-LO metabolites by human neutrophils and eosinophils. <i>PLoS ONE</i> , 2018, 13, e0202424.	2.5	34
13	Interleukin-4 and Interleukin-13 Enhance Human Bronchial Smooth Muscle Cell Proliferation. <i>International Archives of Allergy and Immunology</i> , 2008, 146, 138-148.	2.1	30
14	Chronic Activation in Shortened Airway Smooth Muscle. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 341-348.	2.9	29
15	A "Good" muscle in a "Bad" environment: The importance of airway smooth muscle force adaptation to airway hyperresponsiveness. <i>Respiratory Physiology and Neurobiology</i> , 2011, 179, 269-275.	1.6	29
16	Signaling by the Cysteinyl-Leukotriene Receptor 2. <i>Journal of Biological Chemistry</i> , 2008, 283, 1974-1984.	3.4	27
17	Asthmatic airway hyperresponsiveness: the ants in the tree. <i>Trends in Molecular Medicine</i> , 2012, 18, 627-633.	6.7	25
18	Decrease of airway smooth muscle contractility induced by simulated breathing maneuvers is not simply proportional to strain. <i>Journal of Applied Physiology</i> , 2013, 114, 335-343.	2.5	22

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19	Endocrine regulation of airway contractility is overlooked. <i>Journal of Endocrinology</i> , 2014, 222, R61-R73.	2.6	22
20	Intranasal versus intratracheal exposure to lipopolysaccharides in a murine model of acute respiratory distress syndrome. <i>Scientific Reports</i> , 2021, 11, 7777.	3.3	22
21	Repeated airway constrictions in mice do not alter respiratory function. <i>Journal of Applied Physiology</i> , 2018, 124, 1483-1490.	2.5	21
22	Lung CD200 Receptor Activation Abrogates Airway Hyperresponsiveness in Experimental Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 276-284.	2.9	20
23	Force Oscillations Simulating Breathing Maneuvers Do Not Prevent Force Adaptation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 44-49.	2.9	19
24	Stress and strain in the contractile and cytoskeletal filaments of airway smooth muscle. <i>Pulmonary Pharmacology and Therapeutics</i> , 2009, 22, 407-416.	2.6	18
25	Increase in passive stiffness at reduced airway smooth muscle length: potential impact on airway responsiveness. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 298, L277-L287.	2.9	18
26	Airway smooth muscle tone increases airway responsiveness in healthy young adults. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L348-L357.	2.9	18
27	The contractile lability of smooth muscle in asthmatic airway hyperresponsiveness. <i>Expert Review of Respiratory Medicine</i> , 2016, 10, 19-27.	2.5	16
28	Assessment of Respiratory Function in Conscious Mice by Double-chamber Plethysmography. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	15
29	Applications of oscillometry in clinical research and practice. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2021, 5, 54-68.	0.5	15
30	Does the length dependency of airway smooth muscle force contribute to airway hyperresponsiveness?. <i>Journal of Applied Physiology</i> , 2013, 115, 1304-1315.	2.5	14
31	FTY720 promotes pulmonary fibrosis when administered during the remodelling phase following a bleomycin-induced lung injury. <i>Pulmonary Pharmacology and Therapeutics</i> , 2017, 44, 50-56.	2.6	14
32	Smooth Muscle in the Maintenance of Increased Airway Resistance Elicited by Methacholine in Humans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 879-885.	5.6	13
33	Smooth muscle in human bronchi is disposed to resist airway distension. <i>Respiratory Physiology and Neurobiology</i> , 2016, 229, 51-58.	1.6	13
34	Leukotriene D ₄ Up-Regulates Furin Expression through CysLT1 Receptor Signaling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 227-234.	2.9	11
35	The gain of smooth muscle's contractile capacity induced by tone on in vivo airway responsiveness in mice. <i>Journal of Applied Physiology</i> , 2015, 118, 692-698.	2.5	11
36	Treatment with a sphingosine analog after the inception of house dust mite-induced airway inflammation alleviates key features of experimental asthma. <i>Respiratory Research</i> , 2015, 16, 7.	3.6	11

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37	An in vitro study examining the duration between deep inspirations on the rate of renarrowing. <i>Respiratory Physiology and Neurobiology</i> , 2017, 243, 13-19.	1.6	11
38	Cysteinyl-leukotrienes in asthmatic airway smooth muscle cell hyperplasia. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 102, 16-21.	1.0	10
39	Bronchoprotective effect of simulated deep inspirations in tracheal smooth muscle. <i>Journal of Applied Physiology</i> , 2014, 117, 1502-1513.	2.5	10
40	Airway smooth muscle tone increases actin filamentogenesis and contractile capacity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L442-L451.	2.9	8
41	A Phosphorylatable Sphingosine Analog Induces Airway Smooth Muscle Cytostasis and Reverses Airway Hyperresponsiveness in Experimental Asthma. <i>Frontiers in Pharmacology</i> , 2017, 8, 78.	3.5	7
42	Assessment of Airway Distensibility by the Forced Oscillation Technique: Reproducible and Potentially Simplifiable. <i>Frontiers in Physiology</i> , 2017, 8, 223.	2.8	7
43	The underlying physiological mechanisms whereby anticholinergics alleviate asthma. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 433-441.	1.4	7
44	Effects of airway smooth muscle contraction and inflammation on lung tissue compliance. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L294-L304.	2.9	7
45	The Contractile Properties of Airway Smooth Muscle: How their Defects can be Linked to Asthmatic Airway Hyperresponsiveness?. <i>Current Respiratory Medicine Reviews</i> , 2013, 9, 42-68.	0.2	6
46	Targeting Single Molecules in Asthma Benefits Few. <i>Trends in Molecular Medicine</i> , 2016, 22, 935-945.	6.7	6
47	Interval between simulated deep inspirations on the dynamics of airway smooth muscle contraction in guinea pig bronchi. <i>Respiratory Physiology and Neurobiology</i> , 2019, 259, 136-142.	1.6	5
48	Airway smooth muscle adapting in dynamic conditions is refractory to the bronchodilator effect of a deep inspiration. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L452-L458.	2.9	5
49	Smooth muscle in abnormal airways. <i>Current Opinion in Physiology</i> , 2021, 21, 1-8.	1.8	5
50	Airway Smooth Muscle Responsiveness: The Origin of Airway Hyperresponsiveness in Asthma?. <i>Current Respiratory Medicine Reviews</i> , 2011, 7, 289-301.	0.2	4
51	CD34 Differentially Regulates Contractile and Noncontractile Elements of Airway Reactivity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 79-88.	2.9	4
52	Asthma: An Untoward Consequence of Endurance Sports?. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 7-8.	2.9	4
53	Smooth Muscle Hypercontractility in Airway Hyperresponsiveness: Innate, Acquired, or Nonexistent?. <i>Journal of Allergy</i> , 2013, 2013, 1-4.	0.7	3
54	Impact of immunization against OxLDL on the pulmonary response to cigarette smoke exposure in mice. <i>Respiratory Research</i> , 2018, 19, 131.	3.6	3

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55	CD34 regulates the skeletal muscle response to hypoxia. <i>Journal of Muscle Research and Cell Motility</i> , 2019, 40, 309-318.	2.0	3
56	The Strain on Airway Smooth Muscle During a Deep Inspiration to Total Lung Capacity. <i>Journal of Engineering and Science in Medical Diagnostics and Therapy</i> , 2019, 2, 0108021-1080221.	0.5	3
57	Flexibility of microstructural adaptations in airway smooth muscle. <i>Journal of Applied Physiology</i> , 2021, 130, 1555-1561.	2.5	3
58	Airway Hyperresponsiveness in Asthma: A Better Understanding Yet to Yield Clinical Benefit. <i>Journal of Allergy & Therapy</i> , 0, 2, .	0.1	3
59	In mice of both sexes, repeated contractions of smooth muscle in vivo greatly enhance the response of peripheral airways to methacholine. <i>Respiratory Physiology and Neurobiology</i> , 2022, 304, 103938.	1.6	3
60	Comments on Point:Counterpoint: Alterations in airway smooth muscle phenotype do/do not cause airway hyperresponsiveness in asthma. <i>Journal of Applied Physiology</i> , 2012, 113, 844-846.	2.5	2
61	The presumptive physiological significance of length adaptation was heretofore compelling . . . at least for a human mind. <i>Journal of Applied Physiology</i> , 2015, 118, 507-508.	2.5	2
62	Shortening of airway smooth muscle is modulated by prolonging the time without simulated deep inspirations in ovine tracheal strips. <i>Journal of Applied Physiology</i> , 2019, 127, 1528-1538.	2.5	2
63	Is asthma only an airways disorder?. <i>Respirology</i> , 2020, 25, 568-569.	2.3	2
64	Sensitive physiological readouts to evaluate countermeasures for lipopolysaccharide-induced lung alterations in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 323, L107-L120.	2.9	2
65	Extracellular regulation of airway smooth muscle contraction. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 112, 1-7.	2.8	1
66	Ultrastructural Quantification Of Asthmatic Airway Smooth Muscle Cells. , 2010, , .		0
67	Passive Stiffness Of Airway Smooth Muscle Increases Following An Initial Decline Caused By Length Reduction. , 2010, , .		0
68	Adaptation To Increased Airway Smooth Muscle-Tone Increases Airway Responsiveness In Healthy Subjects. , 2011, , .		0
69	The Contribution Of Airway Smooth Muscle-Force Adaptation In Airway Narrowing And Laminar Airflow Resistance Predicted By A Computational Model. , 2011, , .		0
70	Force Oscillations Simulating Breathing Do Not Prevent Force Adaptation. , 2012, , .		0
71	Length-Dependency Of Spasmogen-Induced Airway Smooth Muscle-Force: Potential Contribution To Airway Hyperresponsiveness In Remodeled Asthmatic Airways. , 2012, , .		0