Christina M Pabelick

List of Publications by Year
in descending order

93 papers	2,442 citations	172457 29 h-index	223800 46 g-index
94 all docs	94 docs citations	94 times ranked	3122 citing authors

#	Article	IF	Citations
1	Mitochondrial Dysfunction in Airway Disease. Chest, 2017, 152, 618-626.	0.8	168
2	Calcium-sensing receptor antagonists abrogate airway hyperresponsiveness and inflammation in allergic asthma. Science Translational Medicine, 2015, 7, 284ra60.	12.4	142
3	Selective YAP/TAZ inhibition in fibroblasts via dopamine receptor D1 agonism reverses fibrosis. Science Translational Medicine, 2019, 11, .	12.4	134
4	Store-operated Ca2+entry in porcine airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L909-L917.	2.9	98
5	Neurotrophins in lung health and disease. Expert Review of Respiratory Medicine, 2010, 4, 395-411.	2.5	80
6	Brainâ€derived neurotrophic factor induces proliferation of human airway smooth muscle cells. Journal of Cellular and Molecular Medicine, 2012, 16, 812-823.	3.6	71
7	Cellular senescence in the lung across the age spectrum. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L826-L842.	2.9	70
8	Caveolins and intracellular calcium regulation in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L1118-L1126.	2.9	69
9	Caveolin-1 regulation of store-operated Ca²⁺influx in human airway smooth muscle. European Respiratory Journal, 2012, 40, 470-478.	6.7	68
10	Hyperinsulinemia adversely affects lung structure and function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L837-L845.	2.9	68
11	BDNF secretion by human pulmonary artery endothelial cells in response to hypoxia. Journal of Molecular and Cellular Cardiology, 2014, 68, 89-97.	1.9	65
12	Invited Review: Significance of spatial and temporal heterogeneity of calcium transients in smooth muscle. Journal of Applied Physiology, 2001, 91, 488-496.	2.5	64
13	Neurotrophin effects on intracellular Ca2+ and force in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 291, L447-L456.	2.9	60
14	Hyperoxia-induced Cellular Senescence in Fetal Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 51-60.	2.9	56
15	Brain-Derived Neurotrophic Factor in TNF-Î± Modulation of Ca²⁺ in Human Airway Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 603-611.	2.9	52
16	Regulation of store-operated Ca²⁺entry by CD38 in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L378-L385.	2.9	51
17	cGMP-independent mechanism of airway smooth muscle relaxation induced byS-nitrosoglutathione. American Journal of Physiology - Cell Physiology, 1998, 275, C468-C474.	4.6	48
18	Estrogen receptor beta signaling inhibits PDGF induced human airway smooth muscle proliferation. Molecular and Cellular Endocrinology, 2018, 476, 37-47.	3.2	48

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19	Sex steroids skew ACE2 expression in human airway: a contributing factor to sex differences in COVID-19?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L843-L847.	2.9	47
20	Brain-Derived Neurotrophic Factor Enhances Calcium Regulatory Mechanisms in Human Airway Smooth Muscle. PLoS ONE, 2012, 7, e44343.	2.5	45
21	TRPC3 regulates release of brain-derived neurotrophic factor from human airway smooth muscle. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2953-2960.	4.1	43
22	Plasminogen Activator Inhibitor-1 Suppresses Profibrotic Responses in Fibroblasts from Fibrotic Lungs. Journal of Biological Chemistry, 2015, 290, 9428-9441.	3.4	43
23	Brain-derived neurotrophic factor and airway fibrosis in asthma. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L360-L370.	2.9	40
24	Moderate hyperoxia induces senescence in developing human lung fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L525-L536.	2.9	39
25	Cigarette smoke enhances proliferation and extracellular matrix deposition by human fetal airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L978-L986.	2.9	38
26	RNAi screening identifies a mechanosensitive ROCK-JAK2-STAT3 network central to myofibroblast activation. Journal of Cell Science, 2018, 131, .	2.0	37
27	Th1 cytokines TNF-Î± and IFN-Î³ promote corticosteroid resistance in developing human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L71-L81.	2.9	37
28	Aging-related changes in respiratory system mechanics and morphometry in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L167-L176.	2.9	34
29	Store-operated Ca2+Influx in Airway Smooth Muscle. Anesthesiology, 2006, 105, 976-983.	2.5	31
30	Differential estrogenâ€receptor activation regulates extracellular matrix deposition in human airway smooth muscle remodeling via NFâ€ÎºB pathway. FASEB Journal, 2019, 33, 13935-13950.	0.5	30
31	Estrogen receptors differentially regulate intracellular calcium handling in human nonasthmatic and asthmatic airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L112-L124.	2.9	30
32	Moderate hyperoxia induces extracellular matrix remodeling by human fetal airway smooth muscle cells. Pediatric Research, 2017, 81, 376-383.	2.3	29
33	Smooth muscle brainâ€derived neurotrophic factor contributes to airway hyperreactivity in a mouse model of allergic asthma. FASEB Journal, 2019, 33, 3024-3034.	0.5	29
34	Mechanisms of BDNF regulation in asthmatic airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L270-L279.	2.9	27
35	Differential Expression of Estrogen Receptor Variants in Response to Inflammation Signals in Human Airway Smooth Muscle. Journal of Cellular Physiology, 2017, 232, 1754-1760.	4.1	26
36	Androgen Receptor-Mediated Regulation of Intracellular Calcium in Human Airway Smooth Muscle Cells. Cellular Physiology and Biochemistry, 2019, 53, 215-228.	1.6	26

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37	cAMP-mediated secretion of brain-derived neurotrophic factor in developing airway smooth muscle. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2506-2514.	4.1	23
38	Hepatoma derived growth factor (HDGF) dynamics in ovarian cancer cells. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 329-339.	4.9	22
39	Effects of antenatal lipopolysaccharide and postnatal hyperoxia on airway reactivity and remodeling in a neonatal mouse model. Pediatric Research, 2016, 79, 391-400.	2.3	22
40	Role of Hypoxia-Induced Brain Derived Neurotrophic Factor in Human Pulmonary Artery Smooth Muscle. PLoS ONE, 2015, 10, e0129489.	2.5	21
41	Sex Steroids Influence Brain-Derived Neurotropic Factor Secretion From Human Airway Smooth Muscle Cells. Journal of Cellular Physiology, 2016, 231, 1586-1592.	4.1	20
42	Inflammation, caveolae and CD38-mediated calcium regulation in human airway smooth muscle. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 346-351.	4.1	19
43	Arachidonate-Regulated Ca²⁺ Influx in Human Airway Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 68-76.	2.9	18
44	Cellular Senescence in Aging Lungs and Diseases. Cells, 2022, 11, 1781.	4.1	18
45	Aging increases senescence, calcium signaling, and extracellular matrix deposition in human airway smooth muscle. PLoS ONE, 2021, 16, e0254710.	2.5	17
46	Hyperoxia-induced changes in estradiol metabolism in postnatal airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L141-L146.	2.9	16
47	Caveolae, caveolin-1 and lung diseases of aging. Expert Review of Respiratory Medicine, 2019, 13, 291-300.	2.5	16
48	Stereospecific effects of ketamine enantiomers on canine tracheal smooth muscle. British Journal of Pharmacology, 1997, 121, 1378-1382.	5.4	15
49	Soluble guanylate cyclase modulators blunt hyperoxia effects on calcium responses of developing human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L537-L542.	2.9	13
50	TLR3 activation increases chemokine expression in human fetal airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L202-L211.	2.9	13
51	Calcium sensing receptor in developing human airway smooth muscle. Journal of Cellular Physiology, 2019, 234, 14187-14197.	4.1	13
52	Nicotinic Î±7 acetylcholine receptor (Î±7nAChR) in human airway smooth muscle. Archives of Biochemistry and Biophysics, 2021, 706, 108897.	3.0	13
53	Effects of Hyperoxia on the Developing Airway and Pulmonary Vasculature. Advances in Experimental Medicine and Biology, 2017, 967, 179-194.	1.6	12
54	Caveolin-1 scaffolding domain peptide prevents hyperoxia-induced airway remodeling in a neonatal mouse model. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L99-L108.	2.9	11

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55	Calcium-Sensing Receptor Contributes to Hyperoxia Effects on Human Fetal Airway Smooth Muscle. Frontiers in Physiology, 2021, 12, 585895.	2.8	8
56	Understanding hydrogen sulfide signaling in neonatal airway disease. Expert Review of Respiratory Medicine, 2021, 15, 351-372.	2.5	7
57	Class C GPCRs in the airway. Current Opinion in Pharmacology, 2020, 51, 19-28.	3.5	7
58	Hypoxia and Local Inflammation in Pulmonary Artery Structure and Function. Advances in Experimental Medicine and Biology, 2017, 967, 325-334.	1.6	6
59	Knob protein enhances epithelial barrier integrity and attenuates airway inflammation. Journal of Allergy and Clinical Immunology, 2018, 142, 1808-1817.e3.	2.9	6
60	Hydrogen sulfide, oxygen, and calcium regulation in developing human airway smooth muscle. FASEB Journal, 2020, 34, 12991-13004.	0.5	6
61	Cigarette Smoke Exposure, Pediatric Lung Disease, and COVID-19. Frontiers in Physiology, 2021, 12, 652198.	2.8	6
62	Glialâ€derived neurotrophic factor in human airway smooth muscle. Journal of Cellular Physiology, 2021, 236, 8184-8196.	4.1	6
63	CPAP-induced airway hyper-reactivity in mice is modulated by hyaluronan synthase-3. Pediatric Research, 2022, 92, 685-693.	2.3	6
64	Vitamin D Reduces Inflammation-induced Contractility and Remodeling of Asthmatic Human Airway Smooth Muscle. Annals of the American Thoracic Society, 2016, 13 Suppl 1, S97-8.	3.2	6
65	CPAP protects against hyperoxia-induced increase in airway reactivity in neonatal mice. Pediatric Research, 2021, 90, 52-57.	2.3	5
66	Calcium-sensing receptor and CPAP-induced neonatal airway hyperreactivity in mice. Pediatric Research, 2022, 91, 1391-1398.	2.3	5
67	Intermittent Hypoxia-Hyperoxia and Oxidative Stress in Developing Human Airway Smooth Muscle. Antioxidants, 2021, 10, 1400.	5.1	5
68	Kisspeptins inhibit human airway smooth muscle proliferation. JCI Insight, 2022, , .	5.0	4
69	Response to letter by Dr. Marc Hershenson (exposure of airway smooth muscle cells to cigarette) Tj ETQq1 1 0.784314 rgBT /Overloc L346-L346.	2.9	3
70	Cellular clocks in hyperoxia effects on [Ca2+]i regulation in developing human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L451-L466.	2.9	3
71	Prenatal Maternal Lipopolysaccharide and Mild Newborn Hyperoxia Increase Intrapulmonary Airway but Not Vessel Reactivity in a Mouse Model. Children, 2021, 8, 195.	1.5	3
72	Neurotrophin Regulation and Signaling in Airway Smooth Muscle. Advances in Experimental Medicine and Biology, 2021, 1304, 109-121.	1.6	2

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73	Author response to letter to editor: Hyperinsulinemia adversely affects lung structure and function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L183-L184.	2.9	1
74	Psychiatric illnesses in the perioperative setting: what do anesthesiologists need to consider?. Minerva Anestesiologica, 2020, 86, 1013-1014.	1.0	1
75	Effect of Hydrogen Sulfide on [Ca2+]i Regulation in Airway Smooth Muscle. FASEB Journal, 2009, 23, 622.5.	0.5	1
76	Estrogens modulate intracellular Ca 2+ in human airway smooth muscle. FASEB Journal, 2008, 22, 764.16.	0.5	0
77	Ca 2+ /Calmodulinâ€dependent protein kinase regulation of sarcoplasmic reticulum Ca 2+ uptake in airway smooth muscle. FASEB Journal, 2008, 22, 764.17.	0.5	0
78	Role of STIM1 in Regulation of Storeâ€Operated Ca 2+ Entry in PC12 cells. FASEB Journal, 2008, 22, 1181.1.	0.5	0
79	STIM1 regulates store operated calcium entry (SOCE) in human airway smooth muscle. FASEB Journal, 2008, 22, 1213.3.	0.5	0
80	Sarcoplasmic Reticulum Ca2+ Reuptake and Airway Smooth Muscle Inflammation. FASEB Journal, 2009, 23, 622.2.	0.5	0
81	Na+/Ca2+ Exchange and Airway Smooth Muscle Inflammation. FASEB Journal, 2009, 23, 622.3.	0.5	0
82	Caveolae and neurotrophins in pulmonary artery smooth muscle. FASEB Journal, 2009, 23, 769.6.	0.5	0
83	Neurotrophins in pulmonary artery smooth muscle. FASEB Journal, 2009, 23, 769.5.	0.5	0
84	Role of Mitochondria in SR Calcium Buffering in Human Airway Smooth Muscle. FASEB Journal, 2009, 23, 622.4.	0.5	0
85	Mechanisms of Neurotrophin Action on Human Airway Smooth Muscle. FASEB Journal, 2011, 25, 864.9.	0.5	0
86	Hepatomaâ€Derived Growth Factor (HDGF) Acts in Ovarian Cancer via Distinct Intracellular and Extracellular Mechanisms. FASEB Journal, 2015, 29, 726.6.	0.5	0
87	Vitamin D Attenuates TNFÎ±â€induced Chemokine Production in Developing Human Airway Smooth Muscle Cells. FASEB Journal, 2015, 29, 1030.2.	0.5	0
88	Estrogen Receptor Signaling and Intracellular Calcium Regulation in Human Airway Smooth Muscle. FASEB Journal, 2018, 32, 840.10.	0.5	0
89	Regulation of Intracellular Calcium in Uterine Leiomyomas. FASEB Journal, 2018, 32, 770.10.	0.5	0
90	Estrogen Signaling on Mitochondrial Dynamics in Human Airway Smooth Muscle Cells. FASEB Journal, 2019, 33, 734.12.	0.5	0

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91	Estrogen Receptors Differentially Regulates Intracellular Calcium Handling in Human Asthmatic Airway Smooth Muscle Cells. FASEB Journal, 2019, 33, 735.7.	0.5	0
92	Pediatric pain: is it finally getting better?. Minerva Anestesiologica, 2020, 86, 1129-1131.	1.0	0
93	Are informational videos good for pediatric patients?. Minerva Anestesiologica, 2016, 82, 501-2.	1.0	0