# Christina M Pabelick

List of Publications by Year
in descending order



| 93 | 2,442 | 172207 | 223531 |
|---|---|---|---|
| papers | citations | 29 h-index | 46 g-index |

| 94 | 94 | 94 | 3122 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mitochondrial Dysfunction in Airway Disease. Chest, 2017, 152, 618-626. | 0.4 | 168 |
| 2 | Calcium-sensing receptor antagonists abrogate airway hyperresponsiveness and inflammation in allergic asthma. Science Translational Medicine, 2015, 7, 284ra60. | 5.8 | 142 |
| 3 | Selective YAP/TAZ inhibition in fibroblasts via dopamine receptor D1 agonism reverses fibrosis. Science Translational Medicine, 2019, 11, . | 5.8 | 134 |
| 4 | Store-operated Ca2+entry in porcine airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L909-L917. | 1.3 | 98 |
| 5 | Neurotrophins in lung health and disease. Expert Review of Respiratory Medicine, 2010, 4, 395-411. | 1.0 | 80 |
| 6 | Brainâ€derived neurotrophic factor induces proliferation of human airway smooth muscle cells. Journal of Cellular and Molecular Medicine, 2012, 16, 812-823. | 1.6 | 71 |
| 7 | Cellular senescence in the lung across the age spectrum. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L826-L842. | 1.3 | 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. | 1.3 | 69 |
| 9 | Caveolin-1 regulation of store-operated Ca<sup>2+</sup>influx in human airway smooth muscle. European Respiratory Journal, 2012, 40, 470-478. | 3.1 | 68 |
| 10 | Hyperinsulinemia adversely affects lung structure and function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L837-L845. | 1.3 | 68 |
| 11 | BDNF secretion by human pulmonary artery endothelial cells in response to hypoxia. Journal of Molecular and Cellular Cardiology, 2014, 68, 89-97. | 0.9 | 65 |
| 12 | Invited Review: Significance of spatial and temporal heterogeneity of calcium transients in smooth muscle. Journal of Applied Physiology, 2001, 91, 488-496. | 1.2 | 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. | 1.3 | 60 |
| 14 | Hyperoxia-induced Cellular Senescence in Fetal Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 51-60. | 1.4 | 56 |
| 15 | Brain-Derived Neurotrophic Factor in TNF-Î± Modulation of Ca<sup>2+</sup> in Human Airway Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 603-611. | 1.4 | 52 |
| 16 | Regulation of store-operated Ca<sup>2+</sup>entry by CD38 in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L378-L385. | 1.3 | 51 |
| 17 | cGMP-independent mechanism of airway smooth muscle relaxation induced byS-nitrosoglutathione. American Journal of Physiology - Cell Physiology, 1998, 275, C468-C474. | 2.1 | 48 |
| 18 | Estrogen receptor beta signaling inhibits PDGF induced human airway smooth muscle proliferation. Molecular and Cellular Endocrinology, 2018, 476, 37-47. | 1.6 | 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. | 1.3 | 47 |
| 20 | Brain-Derived Neurotrophic Factor Enhances Calcium Regulatory Mechanisms in Human Airway Smooth Muscle. PLoS ONE, 2012, 7, e44343. | 1.1 | 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. | 1.9 | 43 |
| 22 | Plasminogen Activator Inhibitor-1 Suppresses Profibrotic Responses in Fibroblasts from Fibrotic Lungs. Journal of Biological Chemistry, 2015, 290, 9428-9441. | 1.6 | 43 |
| 23 | Brain-derived neurotrophic factor and airway fibrosis in asthma. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L360-L370. | 1.3 | 40 |
| 24 | Moderate hyperoxia induces senescence in developing human lung fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L525-L536. | 1.3 | 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. | 1.3 | 38 |
| 26 | RNAi screening identifies a mechanosensitive ROCK-JAK2-STAT3 network central to myofibroblast activation. Journal of Cell Science, 2018, 131, . | 1.2 | 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. | 1.3 | 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. | 1.3 | 34 |
| 29 | Store-operated Ca2+Influx in Airway Smooth Muscle. Anesthesiology, 2006, 105, 976-983. | 1.3 | 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. | 0.2 | 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. | 1.3 | 30 |
| 32 | Moderate hyperoxia induces extracellular matrix remodeling by human fetal airway smooth muscle cells. Pediatric Research, 2017, 81, 376-383. | 1.1 | 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. | 0.2 | 29 |
| 34 | Mechanisms of BDNF regulation in asthmatic airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L270-L279. | 1.3 | 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. | 2.0 | 26 |
| 36 | Androgen Receptor-Mediated Regulation of Intracellular Calcium in Human Airway Smooth Muscle Cells. Cellular Physiology and Biochemistry, 2019, 53, 215-228. | 1.1 | 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. | 1.9 | 23 |
| 38 | Hepatoma derived growth factor (HDGF) dynamics in ovarian cancer cells. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 329-339. | 2.2 | 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. | 1.1 | 22 |
| 40 | Role of Hypoxia-Induced Brain Derived Neurotrophic Factor in Human Pulmonary Artery Smooth Muscle. PLoS ONE, 2015, 10, e0129489. | 1.1 | 21 |
| 41 | Sex Steroids Influence Brain-Derived Neurotropic Factor Secretion From Human Airway Smooth Muscle Cells. Journal of Cellular Physiology, 2016, 231, 1586-1592. | 2.0 | 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. | 1.9 | 19 |
| 43 | Arachidonate-Regulated Ca<sup>2+</sup> Influx in Human Airway Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 68-76. | 1.4 | 18 |
| 44 | Cellular Senescence in Aging Lungs and Diseases. Cells, 2022, 11, 1781. | 1.8 | 18 |
| 45 | Aging increases senescence, calcium signaling, and extracellular matrix deposition in human airway smooth muscle. PLoS ONE, 2021, 16, e0254710. | 1.1 | 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. | 1.3 | 16 |
| 47 | Caveolae, caveolin-1 and lung diseases of aging. Expert Review of Respiratory Medicine, 2019, 13, 291-300. | 1.0 | 16 |
| 48 | Stereospecific effects of ketamine enantiomers on canine tracheal smooth muscle. British Journal of Pharmacology, 1997, 121, 1378-1382. | 2.7 | 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. | 1.3 | 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. | 1.3 | 13 |
| 51 | Calcium sensing receptor in developing human airway smooth muscle. Journal of Cellular Physiology, 2019, 234, 14187-14197. | 2.0 | 13 |
| 52 | Nicotinic Î±7 acetylcholine receptor (Î±7nAChR) in human airway smooth muscle. Archives of Biochemistry and Biophysics, 2021, 706, 108897. | 1.4 | 13 |
| 53 | Effects of Hyperoxia on the Developing Airway and Pulmonary Vasculature. Advances in Experimental Medicine and Biology, 2017, 967, 179-194. | 0.8 | 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. | 1.3 | 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. | 1.3 | 8 |
| 56 | Understanding hydrogen sulfide signaling in neonatal airway disease. Expert Review of Respiratory Medicine, 2021, 15, 351-372. | 1.0 | 7 |
| 57 | Class C GPCRs in the airway. Current Opinion in Pharmacology, 2020, 51, 19-28. | 1.7 | 7 |
| 58 | Hypoxia and Local Inflammation in Pulmonary Artery Structure and Function. Advances in Experimental Medicine and Biology, 2017, 967, 325-334. | 0.8 | 6 |
| 59 | Knob protein enhances epithelial barrier integrity and attenuates airway inflammation. Journal of Allergy and Clinical Immunology, 2018, 142, 1808-1817.e3. | 1.5 | 6 |
| 60 | Hydrogen sulfide, oxygen, and calcium regulation in developing human airway smooth muscle. FASEB Journal, 2020, 34, 12991-13004. | 0.2 | 6 |
| 61 | Cigarette Smoke Exposure, Pediatric Lung Disease, and COVID-19. Frontiers in Physiology, 2021, 12, 652198. | 1.3 | 6 |
| 62 | Glialâ€derived neurotrophic factor in human airway smooth muscle. Journal of Cellular Physiology, 2021, 236, 8184-8196. | 2.0 | 6 |
| 63 | CPAP-induced airway hyper-reactivity in mice is modulated by hyaluronan synthase-3. Pediatric Research, 2022, 92, 685-693. | 1.1 | 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. | 1.5 | 6 |
| 65 | CPAP protects against hyperoxia-induced increase in airway reactivity in neonatal mice. Pediatric Research, 2021, 90, 52-57. | 1.1 | 5 |
| 66 | Calcium-sensing receptor and CPAP-induced neonatal airway hyperreactivity in mice. Pediatric Research, 2022, 91, 1391-1398. | 1.1 | 5 |
| 67 | Intermittent Hypoxia-Hyperoxia and Oxidative Stress in Developing Human Airway Smooth Muscle. Antioxidants, 2021, 10, 1400. | 2.2 | 5 |
| 68 | Kisspeptins inhibit human airway smooth muscle proliferation. JCI Insight, 2022, , . | 2.3 | 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. | 1.3 | 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. | 1.3 | 3 |
| 71 | Prenatal Maternal Lipopolysaccharide and Mild Newborn Hyperoxia Increase Intrapulmonary Airway but Not Vessel Reactivity in a Mouse Model. Children, 2021, 8, 195. | 0.6 | 3 |
| 72 | Neurotrophin Regulation and Signaling in Airway Smooth Muscle. Advances in Experimental Medicine and Biology, 2021, 1304, 109-121. | 0.8 | 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. | 1.3 | 1 |
| 74 | Psychiatric illnesses in the perioperative setting: what do anesthesiologists need to consider?. Minerva Anestesiologica, 2020, 86, 1013-1014. | 0.6 | 1 |
| 75 | Effect of Hydrogen Sulfide on [Ca2+]i Regulation in Airway Smooth Muscle. FASEB Journal, 2009, 23, 622.5. | 0.2 | 1 |
| 76 | Estrogens modulate intracellular Ca 2+ in human airway smooth muscle. FASEB Journal, 2008, 22, 764.16. | 0.2 | 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. | 0.2 | 0 |
| 78 | Role of STIM1 in Regulation of Storeâ€Operated Ca 2+ Entry in PC12 cells. FASEB Journal, 2008, 22, 1181.1. | 0.2 | 0 |
| 79 | STIM1 regulates store operated calcium entry (SOCE) in human airway smooth muscle. FASEB Journal, 2008, 22, 1213.3. | 0.2 | 0 |
| 80 | Sarcoplasmic Reticulum Ca2+ Reuptake and Airway Smooth Muscle Inflammation. FASEB Journal, 2009, 23, 622.2. | 0.2 | 0 |
| 81 | Na+/Ca2+ Exchange and Airway Smooth Muscle Inflammation. FASEB Journal, 2009, 23, 622.3. | 0.2 | 0 |
| 82 | Caveolae and neurotrophins in pulmonary artery smooth muscle. FASEB Journal, 2009, 23, 769.6. | 0.2 | 0 |
| 83 | Neurotrophins in pulmonary artery smooth muscle. FASEB Journal, 2009, 23, 769.5. | 0.2 | 0 |
| 84 | Role of Mitochondria in SR Calcium Buffering in Human Airway Smooth Muscle. FASEB Journal, 2009, 23, 622.4. | 0.2 | 0 |
| 85 | Mechanisms of Neurotrophin Action on Human Airway Smooth Muscle. FASEB Journal, 2011, 25, 864.9. | 0.2 | 0 |
| 86 | Hepatomaâ€Derived Growth Factor (HDGF) Acts in Ovarian Cancer via Distinct Intracellular and Extracellular Mechanisms. FASEB Journal, 2015, 29, 726.6. | 0.2 | 0 |
| 87 | Vitamin D Attenuates TNFÎ±â€induced Chemokine Production in Developing Human Airway Smooth Muscle Cells. FASEB Journal, 2015, 29, 1030.2. | 0.2 | 0 |
| 88 | Estrogen Receptor Signaling and Intracellular Calcium Regulation in Human Airway Smooth Muscle. FASEB Journal, 2018, 32, 840.10. | 0.2 | 0 |
| 89 | Regulation of Intracellular Calcium in Uterine Leiomyomas. FASEB Journal, 2018, 32, 770.10. | 0.2 | 0 |
| 90 | Estrogen Signaling on Mitochondrial Dynamics in Human Airway Smooth Muscle Cells. FASEB Journal, 2019, 33, 734.12. | 0.2 | 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. | 0.2 | 0 |
| 92 | Pediatric pain: is it finally getting better?. Minerva Anestesiologica, 2020, 86, 1129-1131. | 0.6 | 0 |
| 93 | Are informational videos good for pediatric patients?. Minerva Anestesiologica, 2016, 82, 501-2. | 0.6 | 0 |