# Philippe Delmotte

List of Publications by Year
in descending order



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|---|---|---|---|
| 31 papers | 1,507 citations | 331670 21 h-index | 477307 29 g-index |
| 31 all docs | 31 docs citations | 31 times ranked | 1978 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | TNFÎ± induces mitochondrial fragmentation and biogenesis in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L137-L151. | 2.9 | 24 |
| 2 | Effects of TNFÎ± on Dynamic Cytosolic Ca2 + and Force Responses to Muscarinic Stimulation in Airway Smooth Muscle. Frontiers in Physiology, 2021, 12, 730333. | 2.8 | 0 |
| 3 | Inflammation-Induced Protein Unfolding in Airway Smooth Muscle Triggers a Homeostatic Response in Mitochondria. International Journal of Molecular Sciences, 2021, 22, 363. | 4.1 | 14 |
| 4 | Cytoskeletal remodeling slows crossâ€bridge cycling and ATP hydrolysis rates in airway smooth muscle. Physiological Reports, 2020, 8, e14561. | 1.7 | 4 |
| 5 | Extramyocellular interleukinâ€6 influences skeletal muscle mitochondrial physiology through canonical JAK/STAT signaling pathways. FASEB Journal, 2020, 34, 14458-14472. | 0.5 | 30 |
| 6 | TNFÎ± selectively activates the IRE1Î±/XBP1 endoplasmic reticulum stress pathway in human airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L483-L493. | 2.9 | 24 |
| 7 | Mechanisms underlying TNFÎ±â€induced enhancement of force generation in airway smooth muscle. Physiological Reports, 2019, 7, e14220. | 1.7 | 17 |
| 8 | Endoplasmic Reticulum Stress and Mitochondrial Function in Airway Smooth Muscle. Frontiers in Cell and Developmental Biology, 2019, 7, 374. | 3.7 | 38 |
| 9 | 1Î±,25-dihydroxyvitamin D3 mitigates cancer cell mediated mitochondrial dysfunction in human skeletal muscle cells. Biochemical and Biophysical Research Communications, 2018, 496, 746-752. | 2.1 | 16 |
| 10 | TNFÎ± enhances force generation in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L994-L1002. | 2.9 | 26 |
| 11 | TNFÎ± decreases mitochondrial movement in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L166-L176. | 2.9 | 25 |
| 12 | Interaction between endoplasmic/sarcoplasmic reticulum stress (ER/SR stress), mitochondrial signaling and Ca<sup>2+</sup> regulation in airway smooth muscle (ASM). Canadian Journal of Physiology and Pharmacology, 2015, 93, 97-110. | 1.4 | 36 |
| 13 | Cigarette smoke-induced mitochondrial fragmentation and dysfunction in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L840-L854. | 2.9 | 150 |
| 14 | Mitochondrial Excitation-Energy Coupling in Airway Smooth Muscle. Respiratory Medicine, 2014, , 93-116. | 0.1 | 3 |
| 15 | The Role of Mitochondria in Calcium Regulation in Airway Smooth Muscle. , 2014, , 211-234. |  | 3 |
| 16 | Effects of the Inflammatory Cytokines TNF-Î± and IL-13 on Stromal Interaction Moleculeâ€"1 Aggregation in Human Airway Smooth Muscle Intracellular Ca<sup>2+</sup> Regulation. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 601-608. | 2.9 | 27 |
| 17 | Inflammation alters regional mitochondrial Ca<sup>2+</sup>in human airway smooth muscle cells. American Journal of Physiology - Cell Physiology, 2012, 303, C244-C256. | 4.6 | 53 |
| 18 | Mechanisms of airway smooth muscle relaxation induced by beta2-adrenergic agonists. Frontiers in Bioscience - Landmark, 2010, 15, 750. | 3.0 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effects of Formoterol on Contraction and Ca<sup>2+</sup> Signaling of Mouse Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 373-381. | 2.9 | 28 |
| 20 | Human Airway Contraction and Formoterol-Induced Relaxation Is Determined by Ca<sup>2+</sup> Oscillations and Ca<sup>2+</sup> Sensitivity. American Journal of Respiratory Cell and Molecular Biology, 2010, 43, 179-191. | 2.9 | 53 |
| 21 | Mutations in <i>Hydin</i> impair ciliary motility in mice. Journal of Cell Biology, 2008, 180, 633-643. | 5.2 | 236 |
| 22 | Regulation of Airway Smooth Muscle Cell Contractility by Ca2+ Signaling and Sensitivity. Proceedings of the American Thoracic Society, 2008, 5, 23-31. | 3.5 | 101 |
| 23 | Effects of Albuterol Isomers on the Contraction and Ca<sup>2+</sup> Signaling of Small Airways in Mouse Lung Slices. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 524-531. | 2.9 | 27 |
| 24 | Ciliary Beat Frequency Is Maintained at a Maximal Rate in the Small Airways of Mouse Lung Slices. American Journal of Respiratory Cell and Molecular Biology, 2006, 35, 110-117. | 2.9 | 93 |
| 25 | Sulfated oligosaccharides isolated from the respiratory mucins of a secretor patient suffering from chronic bronchitis. Biochimie, 2003, 85, 369-379. | 2.6 | 22 |
| 26 | Tumor Necrosis Factor Î± Increases the Expression of Glycosyltransferases and Sulfotransferases Responsible for the Biosynthesis of Sialylated and/or Sulfated Lewis x Epitopes in the Human Bronchial Mucosa. Journal of Biological Chemistry, 2002, 277, 424-431. | 3.4 | 117 |
| 27 | Influence of culture conditions on the Î±1,2-fucosyltransferase and MUC gene expression of a transformed cell line MM-39 derived from human tracheal gland cells. Biochimie, 2001, 83, 749-755. | 2.6 | 7 |
| 28 | Human airway mucin glycosylation: a combinatory of carbohydrate determinants which vary in cystic fibrosis. Glycoconjugate Journal, 2001, 18, 661-684. | 2.7 | 153 |
| 29 | Influence of TNFalpha on the sialylation of mucins produced by a transformed cell line MM-39 derived from human tracheal gland cells. Glycoconjugate Journal, 2001, 18, 487-497. | 2.7 | 31 |
| 30 | Recognition of Lewis x Derivatives Present on Mucins by Flagellar Components of <i>Pseudomonas aeruginosa</i>. Infection and Immunity, 2001, 69, 5243-5248. | 2.2 | 97 |
| 31 | Sialyl-Le(x) and sulfo-sialyl-Le(x) determinants are receptors for P. aeruginosa. Glycoconjugate Journal, 2000, 17, 735-740. | 2.7 | 29 |