

Fabrice Antigny

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

2,254

citations

29

h-index

46

g-index

80

ext. papers

2,805

ext. citations

7.1

avg, IF

4.59

L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 62 | Endothelial-to-mesenchymal transition in pulmonary hypertension. <i>Circulation</i> , 2015 , 131, 1006-18 | 16.7 | 320 |
| 61 | Chemotherapy-induced pulmonary hypertension: role of alkylating agents. <i>American Journal of Pathology</i> , 2015 , 185, 356-71 | 5.8 | 116 |
| 60 | Nebivolol for improving endothelial dysfunction, pulmonary vascular remodeling, and right heart function in pulmonary hypertension. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 668-80 | 15.1 | 101 |
| 59 | Potassium Channel Subfamily K Member 3 (KCNK3) Contributes to the Development of Pulmonary Arterial Hypertension. <i>Circulation</i> , 2016 , 133, 1371-85 | 16.7 | 98 |
| 58 | Evidence for the involvement of type I interferon in pulmonary arterial hypertension. <i>Circulation Research</i> , 2014 , 114, 677-88 | 15.7 | 97 |
| 57 | miR-223 reverses experimental pulmonary arterial hypertension. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 309, C363-72 | 5.4 | 91 |
| 56 | Mitomycin-Induced Pulmonary Veno-Occlusive Disease: Evidence From Human Disease and Animal Models. <i>Circulation</i> , 2015 , 132, 834-47 | 16.7 | 80 |
| 55 | Transient receptor potential canonical channels are required for in vitro endothelial tube formation. <i>Journal of Biological Chemistry</i> , 2012 , 287, 5917-27 | 5.4 | 75 |
| 54 | Calcium homeostasis is abnormal in cystic fibrosis airway epithelial cells but is normalized after rescue of F508del-CFTR. <i>Cell Calcium</i> , 2008 , 43, 175-83 | 4 | 60 |
| 53 | Maintaining low Ca ²⁺ level in the endoplasmic reticulum restores abnormal endogenous F508del-CFTR trafficking in airway epithelial cells. <i>Traffic</i> , 2006 , 7, 562-73 | 5.7 | 58 |
| 52 | Thapsigargin activates Ca ²⁺ entry both by store-dependent, STIM1/Orai1-mediated, and store-independent, TRPC3/PLC/PKC-mediated pathways in human endothelial cells. <i>Cell Calcium</i> , 2011 , 49, 115-27 | 4 | 54 |
| 51 | Bmpr2 Mutant Rats Develop Pulmonary and Cardiac Characteristics of Pulmonary Arterial Hypertension. <i>Circulation</i> , 2019 , 139, 932-948 | 16.7 | 50 |
| 50 | Potassium channels in pulmonary arterial hypertension. <i>European Respiratory Journal</i> , 2015 , 46, 1167-77 | 13.6 | 49 |
| 49 | Transient Receptor Potential Canonical (TRPC)/Orai1-dependent Store-operated Ca ²⁺ Channels: NEW TARGETS OF ALDOSTERONE IN CARDIOMYOCYTES. <i>Journal of Biological Chemistry</i> , 2016 , 291, 13394-409 | 5.4 | 49 |
| 48 | NMDA-Type Glutamate Receptor Activation Promotes Vascular Remodeling and Pulmonary Arterial Hypertension. <i>Circulation</i> , 2018 , 137, 2371-2389 | 16.7 | 46 |
| 47 | Transient receptor potential canonical channel 6 links Ca ²⁺ mishandling to cystic fibrosis transmembrane conductance regulator channel dysfunction in cystic fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 44, 83-90 | 5.7 | 45 |
| 46 | A cystic fibrosis respiratory epithelial cell chronically treated by miglustat acquires a non-cystic fibrosis-like phenotype. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009 , 41, 217-25 | 5.7 | 45 |

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| 45 | Dysfunction of mitochondria Ca ²⁺ uptake in cystic fibrosis airway epithelial cells. <i>Mitochondrion</i> , 2009 , 9, 232-41 | 4.9 | 45 |
| 44 | Ion Channels in Pulmonary Hypertension: A Therapeutic Interest?. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 45 |
| 43 | Characterization of -Mutated Rat, a Novel Model of Pulmonary Hypertension. <i>Circulation Research</i> , 2019 , 125, 678-695 | 15.7 | 42 |
| 42 | Use of β -Blockers in Pulmonary Hypertension. <i>Circulation: Heart Failure</i> , 2017 , 10, | 7.6 | 41 |
| 41 | TASK-1 (KCNK3) channels in the lung: from cell biology to clinical implications. <i>European Respiratory Journal</i> , 2017 , 50, | 13.6 | 37 |
| 40 | During post-natal human myogenesis, normal myotube size requires TRPC1- and TRPC4-mediated Ca ²⁺ entry. <i>Journal of Cell Science</i> , 2013 , 126, 2525-33 | 5.3 | 37 |
| 39 | STIM1L traps and gates Orai1 channels without remodeling the cortical ER. <i>Journal of Cell Science</i> , 2015 , 128, 1568-79 | 5.3 | 35 |
| 38 | Ca handling remodeling and STIM1L/Orai1/TRPC1/TRPC4 upregulation in monocrotaline-induced right ventricular hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 118, 208-224 | 5.8 | 34 |
| 37 | CFTR and Ca Signaling in Cystic Fibrosis. <i>Frontiers in Pharmacology</i> , 2011 , 2, 67 | 5.6 | 34 |
| 36 | Loss of KCNK3 is a hallmark of RV hypertrophy/dysfunction associated with pulmonary hypertension. <i>Cardiovascular Research</i> , 2018 , 114, 880-893 | 9.9 | 31 |
| 35 | Pulmonary vascular remodeling patterns and expression of general control nonderepressible 2 (GCN2) in pulmonary veno-occlusive disease. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 647-655 | 5.8 | 31 |
| 34 | Pulmonary endothelial cell DNA methylation signature in pulmonary arterial hypertension. <i>Oncotarget</i> , 2017 , 8, 52995-53016 | 3.3 | 30 |
| 33 | Abnormal spatial diffusion of Ca ²⁺ in F508del-CFTR airway epithelial cells. <i>Respiratory Research</i> , 2008 , 9, 70 | 7.3 | 29 |
| 32 | TRPC1 and TRPC4 channels functionally interact with STIM1L to promote myogenesis and maintain fast repetitive Ca release in human myotubes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 806-813 | 4.9 | 26 |
| 31 | Activation of transient receptor potential canonical 3 (TRPC3)-mediated Ca ²⁺ entry by A1 adenosine receptor in cardiomyocytes disturbs atrioventricular conduction. <i>Journal of Biological Chemistry</i> , 2012 , 287, 26688-701 | 5.4 | 24 |
| 30 | Orai1 Channel Inhibition Preserves Left Ventricular Systolic Function and Normal Ca Handling After Pressure Overload. <i>Circulation</i> , 2020 , 141, 199-216 | 16.7 | 23 |
| 29 | Inositol 1,4,5 trisphosphate receptor 1 is a key player of human myoblast differentiation. <i>Cell Calcium</i> , 2014 , 56, 513-21 | 4 | 22 |
| 28 | Roscovitine is a proteostasis regulator that corrects the trafficking defect of F508del-CFTR by a CDK-independent mechanism. <i>British Journal of Pharmacology</i> , 2014 , 171, 4831-49 | 8.6 | 20 |

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| 27 | Transient receptor potential vanilloid 1 (TRPV1) channels in cultured rat Sertoli cells regulate an acid sensing chloride channel. <i>Biochemical Pharmacology</i> , 2008 , 75, 476-83 | 6 | 20 |
| 26 | Electrophysiological characterization of store-operated and agonist-induced Ca ²⁺ entry pathways in endothelial cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 460, 109-20 | 4.6 | 16 |
| 25 | SERCA and PMCA pumps contribute to the deregulation of Ca ²⁺ homeostasis in human CF epithelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 892-903 | 4.9 | 13 |
| 24 | Ca ²⁺ signaling in mouse cardiomyocytes with ablated S100A1 protein. <i>General Physiology and Biophysics</i> , 2009 , 28, 371-83 | 2.1 | 13 |
| 23 | Guanabenz, an alpha2-selective adrenergic agonist, activates Ca ²⁺ -dependent chloride currents in cystic fibrosis human airway epithelial cells. <i>European Journal of Pharmacology</i> , 2008 , 592, 33-40 | 5.3 | 13 |
| 22 | Hint2 is expressed in the mitochondria of H295R cells and is involved in steroidogenesis. <i>Endocrinology</i> , 2008 , 149, 5461-9 | 4.8 | 12 |
| 21 | The BET Bromodomain Inhibitor I-BET-151 Induces Structural and Functional Alterations of the Heart Mitochondria in Healthy Male Mice and Rats. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 11 |
| 20 | T-type Ca channels elicit pro-proliferative and anti-apoptotic responses through impaired PP2A/Akt1 signaling in PSMCs from patients with pulmonary arterial hypertension. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 1631-1641 | 4.9 | 11 |
| 19 | Comparison of Human and Experimental Pulmonary Veno-Occlusive Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020 , 63, 118-131 | 5.7 | 11 |
| 18 | Excitation-contraction coupling and relaxation alteration in right ventricular remodelling caused by pulmonary arterial hypertension. <i>Archives of Cardiovascular Diseases</i> , 2020 , 113, 70-84 | 2.7 | 10 |
| 17 | In vivo miR-138-5p inhibition alleviates monocrotaline-induced pulmonary hypertension and normalizes pulmonary KCNK3 and SLC45A3 expression. <i>Respiratory Research</i> , 2020 , 21, 186 | 7.3 | 10 |
| 16 | Functional interaction between PDGF α and GluN2B-containing NMDA receptors in smooth muscle cell proliferation and migration in pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 316, L445-L455 | 5.8 | 9 |
| 15 | A functional tandem between transient receptor potential canonical channels 6 and calcium-dependent chloride channels in human epithelial cells. <i>European Journal of Pharmacology</i> , 2015 , 765, 337-45 | 5.3 | 8 |
| 14 | Specific Upregulation of TRPC1 and TRPC5 Channels by Mineralocorticoid Pathway in Adult Rat Ventricular Cardiomyocytes. <i>Cells</i> , 2019 , 9, | 7.9 | 7 |
| 13 | Proteomic Analysis of KCNK3 Loss of Expression Identified Dysregulated Pathways in Pulmonary Vascular Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 7 |
| 12 | Implication of Potassium Channels in the Pathophysiology of Pulmonary Arterial Hypertension. <i>Biomolecules</i> , 2020 , 10, | 5.9 | 7 |
| 11 | Calumenin contributes to ER-Ca homeostasis in bronchial epithelial cells expressing WT and F508del mutated CFTR and to F508del-CFTR retention. <i>Cell Calcium</i> , 2017 , 62, 47-59 | 4 | 6 |
| 10 | Involvement of CFTR in the pathogenesis of pulmonary arterial hypertension. <i>European Respiratory Journal</i> , 2021 , 58, | 13.6 | 5 |

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| 9 | A simple method to assess in vivo proliferation in lung vasculature with EdU: the case of MMC-induced PVOD in rat. <i>Analytical Cellular Pathology</i> , 2015 , 2015, 326385 | 3.4 | 4 |
| 8 | Response to Letter Regarding Article, "Mitomycin-Induced Pulmonary Veno-Occlusive Disease: Evidence From Human Disease and Animal Model". <i>Circulation</i> , 2016 , 133, e592-3 | 16.7 | 4 |
| 7 | Kcnk3 dysfunction exaggerates the development of pulmonary hypertension induced by left ventricular pressure overload. <i>Cardiovascular Research</i> , 2021 , 117, 2474-2488 | 9.9 | 4 |
| 6 | Right Ventricle Remodeling Metabolic Signature in Experimental Pulmonary Hypertension Models of Chronic Hypoxia and Monocrotaline Exposure. <i>Cells</i> , 2021 , 10, | 7.9 | 3 |
| 5 | Pulmonary arterial hypertension in patient treated for multiple sclerosis with 4-aminopyridine. <i>Fundamental and Clinical Pharmacology</i> , 2019 , 33, 426-427 | 3.1 | 1 |
| 4 | The p.E152K-STIM1 mutation deregulates Ca signaling contributing to chronic pancreatitis. <i>Journal of Cell Science</i> , 2021 , 134, | 5.3 | 1 |
| 3 | Simple CLEM method to assess rare pulmonary vascular remodeling 2016 , 1039-1040 | | |
| 2 | The Experimental TASK-1 Potassium Channel Inhibitor A293 Can Be Employed for Rhythm Control of Persistent Atrial Fibrillation in a Translational Large Animal Model. <i>Frontiers in Physiology</i> , 2021 , 12, 668267 | 4.6 | |
| 1 | Comment on: Transcriptomic analysis of CFTR-impaired endothelial cells reveals a pro-inflammatory phenotype. <i>European Respiratory Journal</i> , 2021 , 58, | 13.6 | |