

# Christelle Guibert

## List of Publications by Year in Descending Order

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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.

50  
papers

1,154  
citations

22  
h-index

32  
g-index

53  
ext. papers

1,301  
ext. citations

6.2  
avg, IF

4.03  
L-index

#	Paper	IF	Citations
50	NiONPs-induced alteration in calcium signaling and mitochondrial function in pulmonary artery endothelial cells involves oxidative stress and TRPV4 channels disruption.. <i>Nanotoxicology</i> , <b>2022</b> , 1-23	5.3	1
49	NiONP-Induced Oxidative Stress and Mitochondrial Impairment in an In Vitro Pulmonary Vascular Cell Model Mimicking Endothelial Dysfunction. <i>Antioxidants</i> , <b>2022</b> , 11, 847	7.1	1
48	Hydrogen Sulfide Metabolism and Pulmonary Hypertension. <i>Cells</i> , <b>2021</b> , 10,	7.9	5
47	Mechanosensitivity in Pulmonary Circulation: Pathophysiological Relevance of Stretch-Activated Channels in Pulmonary Hypertension. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	3
46	Effects of FW2 Nanoparticles Toxicity in a New In Vitro Pulmonary Vascular Cells Model Mimicking Endothelial Dysfunction. <i>Cardiovascular Toxicology</i> , <b>2021</b> , 1	3.4	2
45	In vitro study of carbon black nanoparticles on human pulmonary artery endothelial cells: effects on calcium signaling and mitochondrial alterations. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 2331-2348	5.8	5
44	TRPV4 channel mediates adventitial fibroblast activation and adventitial remodeling in pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 318, L135-L146	5.8	12
43	Connexin-43 is a promising target for pulmonary hypertension due to hypoxaemic lung disease. <i>European Respiratory Journal</i> , <b>2020</b> , 55,	13.6	9
42	Stretch-activated Piezo1 Channel in Endothelial Cells Relaxes Mouse Intrapulmonary Arteries. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2019</b> , 60, 650-658	5.7	24
41	ORAI Channels as Potential Therapeutic Targets in Pulmonary Hypertension. <i>Physiology</i> , <b>2018</b> , 33, 261-268	6.8	10
40	Altered vasoreactivity in neonatal rats with pulmonary hypertension associated with bronchopulmonary dysplasia: Implication of both eNOS phosphorylation and calcium signaling. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173044	3.7	12
39	Involvement of oxidative stress and calcium signaling in airborne particulate matter - induced damages in human pulmonary artery endothelial cells. <i>Toxicology in Vitro</i> , <b>2017</b> , 45, 340-350	3.6	22
38	Chronic hypoxia aggravates monocrotaline-induced pulmonary arterial hypertension: a rodent relevant model to the human severe form of the disease. <i>Respiratory Research</i> , <b>2017</b> , 18, 47	7.3	6
37	Signaling Pathways Linked to Serotonin-Induced Superoxide Anion Production: A Physiological Role for Mitochondria in Pulmonary Arteries. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 76	4.6	9
36	Expression and role of connexin-based gap junctions in pulmonary inflammatory diseases. <i>Pharmacology &amp; Therapeutics</i> , <b>2016</b> , 164, 105-19	13.9	18
35	Mitochondria: roles in pulmonary hypertension. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2014</b> , 55, 93-7	5.6	36
34	Hypoxia/hypercapnia-induced adaptation maintains functional capacity of cord blood stem and progenitor cells at 4°C. <i>Journal of Cellular Physiology</i> , <b>2014</b> , 229, 2153-65	7	9

33	The influence of gap junction network complexity on pulmonary artery smooth muscle reactivity in normoxic and chronically hypoxic conditions. <i>Experimental Physiology</i> , <b>2014</b> , 99, 272-85	2.4	6
32	Reactive oxygen species as therapeutic targets in pulmonary hypertension. <i>Therapeutic Advances in Respiratory Disease</i> , <b>2013</b> , 7, 175-200	4.9	40
31	Development and characterization of an animal model of severe pulmonary arterial hypertension. <i>Journal of Vascular Research</i> , <b>2012</b> , 49, 33-42	1.9	28
30	Expression and physiological roles of TRP channels in smooth muscle cells. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 704, 687-706	3.6	44
29	Role of the gap junctions in the contractile response to agonists in pulmonary artery from two rat models of pulmonary hypertension. <i>Respiratory Research</i> , <b>2011</b> , 12, 30	7.3	30
28	Effect of chronic hypoxia on pulmonary artery blood velocity in rats as assessed by electrocardiography-triggered three-dimensional time-resolved MR angiography. <i>NMR in Biomedicine</i> , <b>2011</b> , 24, 225-30	4.4	4
27	Inhibition of MRP4 prevents and reverses pulmonary hypertension in mice. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 2888-97	15.9	70
26	Plasma membrane Ca <sup>2+</sup> -ATPase equals no NO. <i>Cardiovascular Research</i> , <b>2010</b> , 87, 401-2	9.9	
25	Circulating microparticles from pulmonary hypertensive rats induce endothelial dysfunction. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2010</b> , 182, 261-8	10.2	73
24	Effect of engineered nanoparticles on vasomotor responses in rat intrapulmonary artery. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 245, 203-10	4.6	13
23	Signalling pathways involved in the contractile response to 5-HT in the human pulmonary artery. <i>European Respiratory Journal</i> , <b>2009</b> , 34, 1338-47	13.6	23
22	Vascular smooth muscle modulates endothelial control of vasoreactivity via reactive oxygen species production through myoendothelial communications. <i>PLoS ONE</i> , <b>2009</b> , 4, e6432	3.7	48
21	Serotonin-induced activation of TRPV4-like current in rat intrapulmonary arterial smooth muscle cells. <i>Cell Calcium</i> , <b>2008</b> , 43, 315-23	4	45
20	Voltage-independent calcium influx in smooth muscle. <i>Progress in Biophysics and Molecular Biology</i> , <b>2008</b> , 98, 10-23	4.7	43
19	Heterogeneity in 5-HT-induced contractile and proliferative responses in rat pulmonary arterial bed. <i>Journal of Vascular Research</i> , <b>2008</b> , 45, 181-92	1.9	16
18	Effects of omega-hydroxylase product on distal human pulmonary arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 294, H1435-43	5.2	8
17	Effect of chronic hypoxia on voltage-independent calcium influx activated by 5-HT in rat intrapulmonary arteries. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2007</b> , 454, 41-51	4.6	31
16	Expression and function of cystic fibrosis transmembrane conductance regulator in rat intrapulmonary arteries. <i>European Respiratory Journal</i> , <b>2007</b> , 30, 857-64	13.6	33

15	Modulation of ion channels in pulmonary arterial hypertension. <i>Current Pharmaceutical Design</i> , <b>2007</b> , 13, 2443-55	3.3	38
14	Evidence that CFTR is expressed in rat tracheal smooth muscle cells and contributes to bronchodilation. <i>Respiratory Research</i> , <b>2006</b> , 7, 113	7.3	47
13	Effect of short-term organoid culture on the pharmaco-mechanical properties of rat extra- and intrapulmonary arteries. <i>British Journal of Pharmacology</i> , <b>2005</b> , 146, 692-701	8.6	21
12	5-HT induces an arachidonic acid-sensitive calcium influx in rat small intrapulmonary artery. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2004</b> , 286, L1228-36	5.8	39
11	Role of alpha-adrenergic receptors in the effect of the beta-adrenergic receptor ligands, CGP 12177, bupranolol, and SR 59230A, on the contraction of rat intrapulmonary artery. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2004</b> , 309, 137-45	4.7	30
10	Hepatitis C virus proteins do not directly trigger fibrogenic events in cultured human liver myofibroblasts. <i>Journal of Viral Hepatitis</i> , <b>2003</b> , 10, 427-32	3.4	4
9	Prevention of a hypoxic Ca <sup>2+</sup> (i) response by SERCA inhibitors in cerebral arterioles. <i>British Journal of Pharmacology</i> , <b>2002</b> , 135, 927-34	8.6	8
8	Sodium-potassium-ATPase electrogenicity in cerebral precapillary arterioles. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 279, H351-60	5.2	14
7	Positive and negative coupling of the endothelin ETA receptor to Ca <sup>2+</sup> -permeable channels in rabbit cerebral cortex arterioles. <i>Journal of Physiology</i> , <b>1999</b> , 514 ( Pt 3), 843-56	3.9	49
6	Dependence of P2-nucleotide receptor agonist-mediated endothelium-independent relaxation on ectonucleotidase activity and A2A-receptors in rat portal vein. <i>British Journal of Pharmacology</i> , <b>1998</b> , 123, 1732-40	8.6	18
5	Cellular mechanisms and role of endothelin-1-induced calcium oscillations in pulmonary arterial myocytes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1998</b> , 275, L269-82	5.8	32
4	[Ca <sup>2+</sup> ] <sub>i</sub> oscillations induced by muscarinic stimulation in airway smooth muscle cells: receptor subtypes and correlation with the mechanical activity. <i>British Journal of Pharmacology</i> , <b>1997</b> , 120, 1294-301	8.6	50
3	Oscillatory Cl <sup>-</sup> current induced by angiotensin II in rat pulmonary arterial myocytes: Ca <sup>2+</sup> dependence and physiological implication. <i>Cell Calcium</i> , <b>1997</b> , 21, 421-9	4	40
2	Effect of extracellular ATP on cytosolic Ca <sup>2+</sup> concentration in rat pulmonary artery myocytes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1996</b> , 271, L450-8	5.8	17
1	Human and rat airway smooth muscle responsiveness after ozone exposure in vitro. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1996</b> , 271, L631-6	5.8	8