Jonathan Ledoux

List of Publications by Year
in descending order

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41 papers	2,264 citations	448610 19 h-index	536525 29 g-index
42 all docs	42 docs citations	42 times ranked	3144 citing authors

#	Article	IF	Citations
1	Adenylate cyclase type 9 antagonizes cAMP accumulation and regulates endothelial signaling involved in atheroprotection. Cardiovascular Research, 2022, , .	1.8	3
2	Development of an open hardware bioreactor for optimized cardiac cell culture integrating programmable mechanical and electrical stimulations. AIP Advances, 2020, 10, 035133.	0.6	2
3	A Variant in the Nicotinic Acetylcholine Receptor Alpha 3 Subunit Gene Is Associated With Hypertension Risks in Hypogonadic Patients. Frontiers in Genetics, 2020, 11, 539862.	1.1	2
4	Echocardiographic validation of pulmonary hypertension due to heart failure with reduced ejection fraction in mice. Scientific Reports, 2018, 8, 1363.	1.6	14
5	EPHB6 and testosterone in concert regulate epinephrine release by adrenal gland chromaffin cells. Scientific Reports, 2018, 8, 842.	1.6	8
6	Mitochondrial modulation of calcium pulsars through oxidative stress. FASEB Journal, 2018, 32, 703.3.	0.2	0
7	Nestin expression is upregulated in the fibrotic rat heart and is localized in collagen-expressing mesenchymal cells and interstitial CD31(+)- cells. PLoS ONE, 2017, 12, e0176147.	1.1	19
8	An erythroid-specific ATP2B4 enhancer mediates red blood cell hydration and malaria susceptibility. Journal of Clinical Investigation, 2017, 127, 3065-3074.	3.9	48
9	Lung Capillary Stress Failure and Arteriolar Remodelling in Pulmonary Hypertension Associated with Left Heart Disease (Group 2 PH). Progress in Cardiovascular Diseases, 2016, 59, 11-21.	1.6	30
10	Vascular CaMKII: heart and brain in your arteries. American Journal of Physiology - Cell Physiology, 2016, 311, C462-C478.	2.1	21
11	Lymphatic network in atherosclerosis: the underestimated path. Future Science OA, 2015, 1, FSO61.	0.9	25
12	Spatiotemporal Stability of Neonatal Rat Cardiomyocyte Monolayers Spontaneous Activity Is Dependent on the Culture Substrate. PLoS ONE, 2015, 10, e0127977.	1.1	17
13	CaMKII regulates intracellular Ca2+ dynamics in native endothelial cells. Cell Calcium, 2015, 58, 275-285.	1.1	28
14	Feed the Brain: Insights into the Study of Neurovascular Coupling. Microcirculation, 2015, 22, 157-158.	1.0	0
15	Single-Cell Microinjection Coupled to Confocal Microscopy to Characterize Nuclear Membrane Receptors in Freshly Isolated Cardiomyocytes. Methods in Molecular Biology, 2015, 1234, 9-16.	0.4	1
16	Expression of Phosphoinositide-Specific Phospholipase C Isoforms in Native Endothelial Cells. PLoS ONE, 2015, 10, e0123769.	1.1	16
17	Mitochondria Modulates Calcium Pulsars In Native Endothelial Cells. FASEB Journal, 2015, 29, 956.2.	0.2	0
18	Phospholipase C isoforms expression in mouse endothelium (1075.2). FASEB Journal, 2014, 28, 1075.2.	0.2	0

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19	Mitochondrial modulation of calcium pulsars in native endothelial cells (1075.3). FASEB Journal, 2014, 28, 1075.3.	0.2	0
20	Development of a Bioreactor for Optimized Cardiac Cell Culture: Focus on the Choice of Substrate Rigidity for Cultured Cardiomyocytes. Canadian Journal of Cardiology, 2013, 29, S109.	0.8	0
21	Alteration of endothelial CaMKII in AngIIâ€induced hypertensive mice. FASEB Journal, 2013, 27, 1090.1.	0.2	0
22	Transient Receptor Potential Canonical-3 Channelâ€“Dependent Fibroblast Regulation in Atrial Fibrillation. Circulation, 2012, 126, 2051-2064.	1.6	228
23	Elementary Ca ²⁺ Signals Through Endothelial TRPV4 Channels Regulate Vascular Function. Science, 2012, 336, 597-601.	6.0	479
24	Automated region of interest analysis of dynamic Ca2+ signals in image sequences. American Journal of Physiology - Cell Physiology, 2012, 303, C236-C243.	2.1	57
25	CaMKII regulates intracellular calcium stores of native endothelial cells from mesenteric arteries. FASEB Journal, 2012, 26, 1129.22.	0.2	0
26	Endothelial histamine H ₁ receptor signaling reduces bloodâ€“brain barrier permeability and susceptibility to autoimmune encephalomyelitis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18967-18972.	3.3	53
27	Spinning Disk Confocal Microscopy of Calcium Signalling in Blood Vessel Walls. Microscopy and Analysis, 2010, 24, 5-8.	1.0	10
28	Differential patterning of cGMP in vascular smooth muscle cells revealed by single GFP-linked biosensors. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 365-370.	3.3	157
29	Ca2+-activated K+ Channels in Murine Endothelial Cells: Block by Intracellular Calcium and Magnesium. Journal of General Physiology, 2008, 131, 125-135.	0.9	83
30	Functional architecture of inositol 1,4,5-trisphosphate signaling in restricted spaces of myoendothelial projections. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9627-9632.	3.3	252
31	Ca 2+ pulsars: spatially restricted, IP 3 Râ€mediated Ca 2+ release important for endothelial function. FASEB Journal, 2008, 22, 1181.18.	0.2	0
32	Basal and AChâ€stimulated intracellular Ca ²⁺ signals in intact endothelium originate from IP ₃ â€sensitive stores. FASEB Journal, 2007, 21, A861.	0.2	0
33	Calcium-Activated Potassium Channels and the Regulation of Vascular Tone. Physiology, 2006, 21, 69-78.	1.6	368
34	SK channels are involved in the stimulation of intracellular Ca 2+ signals by reactive oxygen species (ROS) in intact endothelium. FASEB Journal, 2006, 20, A1164.	0.2	0
35	Regulation of calcium-activated chloride channels in smooth muscle cells: a complex picture is emerging. Canadian Journal of Physiology and Pharmacology, 2005, 83, 541-556.	0.7	112
36	Dynamics of Ca2+-Dependent Cl- Channel Modulation by Niflumic Acid in Rabbit Coronary Arterial Myocytes. Molecular Pharmacology, 2005, 67, 163-173.	1.0	34

#	Article	IF	Citations
37	Calcineurin AÎ± but Not AÎ² Augments ICl(Ca) in Rabbit Pulmonary Artery Smooth Muscle Cells. Journal of Biological Chemistry, 2004, 279, 38830-38837.	1.6	31
38	Increased peripheral resistance in heart failure: new evidence suggests an alteration in vascular smooth muscle function. British Journal of Pharmacology, 2003, 139, 1245-1248.	2.7	32
39	Modulation of Ca 2+ â€dependent Cl â^' channels by calcineurin in rabbit coronary arterial myocytes. Journal of Physiology, 2003, 552, 701-714.	1.3	36
40	Differential regulation of Ca2+-activated Clâ^'currents in rabbit arterial and portal vein smooth muscle cells by Ca2+-calmodulin-dependent kinase. Journal of Physiology, 2001, 534, 395-408.	1.3	93
41	K+ channels in biological processes: vascular K+ channels in the regulation of blood pressure. Journal of Receptor, Ligand and Channel Research, 0, , 51.	0.7	5