Rheure Alves-Lopes

List of Publications by Year in Descending Order

38 papers	1,155 citations	18 h-index	33 g-index
43 ext. papers	1,635 ext. citations	6.4 avg, IF	4.66 L-index

#	Paper	IF	Citations
38	Testosterone Contributes to Vascular Dysfunction in Young Mice Fed a High Fat Diet by Promoting Nuclear Factor E2-Related Factor 2 Downregulation and Oxidative Stress.. *Frontiers in Physiology*, **2022**, 13, 837603	4.6	
37	The vascular phenotype in hypertension **2022**, 327-342		
36	Osteoprotegerin regulates vascular function through syndecan-1 and NADPH oxidase-derived reactive oxygen species. *Clinical Science*, **2021**, 135, 2429-2444	6.5	1
35	Peripheral arteriopathy caused by Notch3 gain-of-function mutation involves ER and oxidative stress and blunting of NO/sGC/cGMP pathway. *Clinical Science*, **2021**, 135, 753-773	6.5	1
34	Oxidative Stress and Hypertension. *Circulation Research*, **2021**, 128, 993-1020	15.7	36
33	Central role of c-Src in NOX5- mediated redox signaling in vascular smooth muscle cells in human hypertension. *Cardiovascular Research*, **2021**,	9.9	5
32	Angiotensin-II activates vascular inflammasome and induces vascular damage. *Vascular Pharmacology*, **2021**, 139, 106881	5.9	1
31	Lysophosphatidylcholine induces oxidative stress in human endothelial cells via NOX5 activation - implications in atherosclerosis. *Clinical Science*, **2021**, 135, 1845-1858	6.5	2
30	Selective Inhibition of the C-Domain of ACE (Angiotensin-Converting Enzyme) Combined With Inhibition of NEP (Neprilysin): A Potential New Therapy for Hypertension. *Hypertension*, **2021**, 78, 604-616	8.5	0
29	Oxidative Stress: A Unifying Paradigm in Hypertension. *Canadian Journal of Cardiology*, **2020**, 36, 659-670	9.8	57
28	Epidermal growth factor signaling through transient receptor potential melastatin 7 cation channel regulates vascular smooth muscle cell function. *Clinical Science*, **2020**, 134, 2019-2035	6.5	4
27	Crosstalk Between Vascular Redox and Calcium Signaling in Hypertension Involves TRPM2 (Transient Receptor Potential Melastatin 2) Cation Channel. *Hypertension*, **2020**, 75, 139-149	8.5	18
26	Cell Biology of Vessels **2019**, 23-30		
25	Antioxidant and antihypertensive responses to oral nitrite involves activation of the Nrf2 pathway. *Free Radical Biology and Medicine*, **2019**, 141, 261-268	7.8	23
24	ER stress and Rho kinase activation underlie the vasculopathy of CADASIL. *JCI Insight*, **2019**, 4,	9.9	19
23	VEGFR (Vascular Endothelial Growth Factor Receptor) Inhibition Induces Cardiovascular Damage via Redox-Sensitive Processes. *Hypertension*, **2018**, 71, 638-647	8.5	46
22	Vascular smooth muscle contraction in hypertension. *Cardiovascular Research*, **2018**, 114, 529-539	9.9	202

21	Upregulation of Nrf2 and Decreased Redox Signaling Contribute to Renoprotective Effects of Chemerin Receptor Blockade in Diabetic Mice. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	12
20	NADPH Oxidase 5 Is a Pro-Contractile Nox Isoform and a Point of Cross-Talk for Calcium and Redox Signaling-Implications in Vascular Function. *Journal of the American Heart Association*, **2018**, 7,	6	37
19	Glycosylation with O-linked N-acetylglucosamine induces vascular dysfunction via production of superoxide anion/reactive oxygen species. *Canadian Journal of Physiology and Pharmacology*, **2018**, 96, 232-240	2.4	7
18	Chemerin receptor blockade improves vascular function in diabetic obese mice via redox-sensitive and Akt-dependent pathways. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 315, H1851-H1860	5.2	18
17	Isolation and Culture of Vascular Smooth Muscle Cells from Small and Large Vessels. *Methods in Molecular Biology*, **2017**, 1527, 349-354	1.4	14
16	Isolation and Culture of Endothelial Cells from Large Vessels. *Methods in Molecular Biology*, **2017**, 1527, 345-348	1.4	9
15	Vascular dysfunction and fibrosis in stroke-prone spontaneously hypertensive rats: The aldosterone-mineralocorticoid receptor-Nox1 axis. *Life Sciences*, **2017**, 179, 110-119	6.8	33
14	Genomic and non-genomic effects of androgens in the cardiovascular system: clinical implications. *Clinical Science*, **2017**, 131, 1405-1418	6.5	62
13	Functional and structural changes in internal pudendal arteries underlie erectile dysfunction induced by androgen deprivation. *Asian Journal of Andrology*, **2017**, 19, 526-532	2.8	12
12	Internal Pudental Artery Dysfunction in Diabetes Mellitus Is Mediated by NOX1-Derived ROS-, Nrf2-, and Rho Kinase-Dependent Mechanisms. *Hypertension*, **2016**, 68, 1056-64	8.5	25
11	NLRP3 Inflammasome Mediates Aldosterone-Induced Vascular Damage. *Circulation*, **2016**, 134, 1866-1880	16.7	53
10	Off-Target Vascular Effects of Cholesteryl Ester Transfer Protein Inhibitors Involve Redox-Sensitive and Signal Transducer and Activator of Transcription 3-Dependent Pathways. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 357, 415-22	4.7	8
9	Vascular Fibrosis in Aging and Hypertension: Molecular Mechanisms and Clinical Implications. *Canadian Journal of Cardiology*, **2016**, 32, 659-68	3.8	185
8	Erectile dysfunction in heart failure rats is associated with increased neurogenic contractions in cavernous tissue and internal pudendal artery. *Life Sciences*, **2016**, 145, 9-18	6.8	10
7	Mineralocorticoid receptor blockade prevents vascular remodelling in a rodent model of type 2 diabetes mellitus. *Clinical Science*, **2015**, 129, 533-45	6.5	27
6	Downregulation of Nuclear Factor Erythroid 2-Related Factor and Associated Antioxidant Genes Contributes to Redox-Sensitive Vascular Dysfunction in Hypertension. *Hypertension*, **2015**, 66, 1240-50	8.5	84
5	Spironolactone treatment attenuates vascular dysfunction in type 2 diabetic mice by decreasing oxidative stress and restoring NO/GC signaling. *Frontiers in Physiology*, **2015**, 6, 269	4.6	24
4	Linking the beneficial effects of current therapeutic approaches in diabetes to the vascular endothelin system. *Life Sciences*, **2014**, 118, 129-35	6.8	12

3	25 years of endothelin research: the next generation. *Life Sciences*, **2014**, 118, 77-86	6.8	5
2	Testosterone induces apoptosis in vascular smooth muscle cells via extrinsic apoptotic pathway with mitochondria-generated reactive oxygen species involvement. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H1485-94	5.2	54
1	Testosterone and vascular function in aging. *Frontiers in Physiology*, **2012**, 3, 89	4.6	37