

Rheure Alves-Lopes

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.

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	Vascular smooth muscle contraction in hypertension. <i>Cardiovascular Research</i> , 2018 , 114, 529-539	9.9	202
37	Vascular Fibrosis in Aging and Hypertension: Molecular Mechanisms and Clinical Implications. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 659-68	3.8	185
36	Downregulation of Nuclear Factor Erythroid 2-Related Factor and Associated Antioxidant Genes Contributes to Redox-Sensitive Vascular Dysfunction in Hypertension. <i>Hypertension</i> , 2015 , 66, 1240-50	8.5	84
35	Genomic and non-genomic effects of androgens in the cardiovascular system: clinical implications. <i>Clinical Science</i> , 2017 , 131, 1405-1418	6.5	62
34	Oxidative Stress: A Unifying Paradigm in Hypertension. <i>Canadian Journal of Cardiology</i> , 2020 , 36, 659-670	3.8	57
33	Testosterone induces apoptosis in vascular smooth muscle cells via extrinsic apoptotic pathway with mitochondria-generated reactive oxygen species involvement. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H1485-94	5.2	54
32	NLRP3 Inflammasome Mediates Aldosterone-Induced Vascular Damage. <i>Circulation</i> , 2016 , 134, 1866-1880	10.7	53
31	VEGFR (Vascular Endothelial Growth Factor Receptor) Inhibition Induces Cardiovascular Damage via Redox-Sensitive Processes. <i>Hypertension</i> , 2018 , 71, 638-647	8.5	46
30	Testosterone and vascular function in aging. <i>Frontiers in Physiology</i> , 2012 , 3, 89	4.6	37
29	NADPH Oxidase 5 Is a Pro-Contractile Nox Isoform and a Point of Cross-Talk for Calcium and Redox Signaling-Implications in Vascular Function. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	37
28	Oxidative Stress and Hypertension. <i>Circulation Research</i> , 2021 , 128, 993-1020	15.7	36
27	Vascular dysfunction and fibrosis in stroke-prone spontaneously hypertensive rats: The aldosterone-mineralocorticoid receptor-Nox1 axis. <i>Life Sciences</i> , 2017 , 179, 110-119	6.8	33
26	Mineralocorticoid receptor blockade prevents vascular remodelling in a rodent model of type 2 diabetes mellitus. <i>Clinical Science</i> , 2015 , 129, 533-45	6.5	27
25	Internal Pudental Artery Dysfunction in Diabetes Mellitus Is Mediated by NOX1-Derived ROS-, Nrf2-, and Rho Kinase-Dependent Mechanisms. <i>Hypertension</i> , 2016 , 68, 1056-64	8.5	25
24	Spironolactone treatment attenuates vascular dysfunction in type 2 diabetic mice by decreasing oxidative stress and restoring NO/GC signaling. <i>Frontiers in Physiology</i> , 2015 , 6, 269	4.6	24
23	Antioxidant and antihypertensive responses to oral nitrite involves activation of the Nrf2 pathway. <i>Free Radical Biology and Medicine</i> , 2019 , 141, 261-268	7.8	23
22	ER stress and Rho kinase activation underlie the vasculopathy of CADASIL. <i>JCI Insight</i> , 2019 , 4,	9.9	19

21	Crosstalk Between Vascular Redox and Calcium Signaling in Hypertension Involves TRPM2 (Transient Receptor Potential Melastatin 2) Cation Channel. <i>Hypertension</i> , 2020 , 75, 139-149	8.5	18
20	Chemerin receptor blockade improves vascular function in diabetic obese mice via redox-sensitive and Akt-dependent pathways. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H1851-H1860	5.2	18
19	Isolation and Culture of Vascular Smooth Muscle Cells from Small and Large Vessels. <i>Methods in Molecular Biology</i> , 2017 , 1527, 349-354	1.4	14
18	Upregulation of Nrf2 and Decreased Redox Signaling Contribute to Renoprotective Effects of Chemerin Receptor Blockade in Diabetic Mice. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	12
17	Linking the beneficial effects of current therapeutic approaches in diabetes to the vascular endothelin system. <i>Life Sciences</i> , 2014 , 118, 129-35	6.8	12
16	Functional and structural changes in internal pudendal arteries underlie erectile dysfunction induced by androgen deprivation. <i>Asian Journal of Andrology</i> , 2017 , 19, 526-532	2.8	12
15	Erectile dysfunction in heart failure rats is associated with increased neurogenic contractions in cavernous tissue and internal pudendal artery. <i>Life Sciences</i> , 2016 , 145, 9-18	6.8	10
14	Isolation and Culture of Endothelial Cells from Large Vessels. <i>Methods in Molecular Biology</i> , 2017 , 1527, 345-348	1.4	9
13	Off-Target Vascular Effects of Cholesteryl Ester Transfer Protein Inhibitors Involve Redox-Sensitive and Signal Transducer and Activator of Transcription 3-Dependent Pathways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 357, 415-22	4.7	8
12	Glycosylation with O-linked N-acetylglucosamine induces vascular dysfunction via production of superoxide anion/reactive oxygen species. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018 , 96, 232-240	2.4	7
11	25 years of endothelin research: the next generation. <i>Life Sciences</i> , 2014 , 118, 77-86	6.8	5
10	Central role of c-Src in NOX5- mediated redox signaling in vascular smooth muscle cells in human hypertension. <i>Cardiovascular Research</i> , 2021 ,	9.9	5
9	Epidermal growth factor signaling through transient receptor potential melastatin 7 cation channel regulates vascular smooth muscle cell function. <i>Clinical Science</i> , 2020 , 134, 2019-2035	6.5	4
8	Lysophosphatidylcholine induces oxidative stress in human endothelial cells via NOX5 activation - implications in atherosclerosis. <i>Clinical Science</i> , 2021 , 135, 1845-1858	6.5	2
7	Osteoprotegerin regulates vascular function through syndecan-1 and NADPH oxidase-derived reactive oxygen species. <i>Clinical Science</i> , 2021 , 135, 2429-2444	6.5	1
6	Peripheral arteriopathy caused by Notch3 gain-of-function mutation involves ER and oxidative stress and blunting of NO/sGC/cGMP pathway. <i>Clinical Science</i> , 2021 , 135, 753-773	6.5	1
5	Angiotensin-II activates vascular inflammasome and induces vascular damage. <i>Vascular Pharmacology</i> , 2021 , 139, 106881	5.9	1
4	Selective Inhibition of the C-Domain of ACE (Angiotensin-Converting Enzyme) Combined With Inhibition of NEP (Nepriylsin): A Potential New Therapy for Hypertension. <i>Hypertension</i> , 2021 , 78, 604-616	8.5	0

3 Cell Biology of Vessels **2019**, 23-30

2 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

1 The vascular phenotype in hypertension **2022**, 327-342