Karla Bianca Neves

List of Publications by Year
in descending order

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46 papers	1,686 citations	257429 24 h-index	289230 40 g-index
47 all docs	47 docs citations	47 times ranked	2463 citing authors

#	Article	IF	Citations
1	Oxidative Stress: A Unifying Paradigm in Hypertension. Canadian Journal of Cardiology, 2020, 36, 659-670.	1.7	138
2	Downregulation of Nuclear Factor Erythroid 2â€“Related Factor and Associated Antioxidant Genes Contributes to Redox-Sensitive Vascular Dysfunction in Hypertension. Hypertension, 2015, 66, 1240-1250.	2.7	109
3	Chemerin Regulates Crosstalk Between Adipocytes and Vascular Cells Through Nox. Hypertension, 2015, 66, 657-666.	2.7	90
4	NLRP3 Inflammasome Mediates Aldosterone-Induced Vascular Damage. Circulation, 2016, 134, 1866-1880.	1.6	87
5	Perivascular Adipose Tissue as a Relevant Fat Depot for Cardiovascular Risk in Obesity. Frontiers in Physiology, 2018, 9, 253.	2.8	79
6	VEGFR (Vascular Endothelial Growth Factor Receptor) Inhibition Induces Cardiovascular Damage via Redox-Sensitive Processes. Hypertension, 2018, 71, 638-647.	2.7	73
7	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-H1494.	3.2	71
8	TNF-Î± induces vascular insulin resistance via positive modulation of PTEN and decreased Akt/eNOS/NO signaling in high fat diet-fed mice. Cardiovascular Diabetology, 2016, 15, 119.	6.8	70
9	Notch3 signalling and vascular remodelling in pulmonary arterial hypertension. Clinical Science, 2019, 133, 2481-2498.	4.3	65
10	Tissue sodium excess is not hypertonic and reflects extracellular volume expansion. Nature Communications, 2020, 11, 4222.	12.8	61
11	Hypertension and Prohypertensive Antineoplastic Therapies in Cancer Patients. Circulation Research, 2021, 128, 1040-1061.	4.5	59
12	Chemerin reduces vascular nitric oxide/cGMP signalling in rat aorta: a link to vascular dysfunction in obesity?. Clinical Science, 2014, 127, 111-122.	4.3	58
13	NADPH Oxidase 5 Is a Proâ€Contractile Nox Isoform and a Point of Crossâ€Talk for Calcium and Redox Signalingâ€Implications in Vascular Function. Journal of the American Heart Association, 2018, 7, .	3.7	51
14	Testosterone and Vascular Function in Aging. Frontiers in Physiology, 2012, 3, 89.	2.8	50
15	Adipokine Chemerin Bridges Metabolic Dyslipidemia and Alveolar Bone Loss in Mice. Journal of Bone and Mineral Research, 2017, 32, 974-984.	2.8	43
16	The adipokine chemerin augments vascular reactivity to contractile stimuli via activation of the MEK-ERK1/2 pathway. Life Sciences, 2012, 91, 600-606.	4.3	42
17	Reduced Lymphatic Reserve in HeartÂFailure With Preserved EjectionÂFraction. Journal of the American College of Cardiology, 2020, 76, 2817-2829.	2.8	40
18	Mineralocorticoid receptor blockade prevents vascular remodelling in a rodent model of typeÂ2 diabetes mellitus. Clinical Science, 2015, 129, 533-545.	4.3	36

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19	Crosstalk Between Vascular Redox and Calcium Signaling in Hypertension Involves TRPM2 (Transient) Tj ETQq1 1 0.784314 rgBT /Overlo	2.7	35
20	Vascular toxicity associated with anti-angiogenic drugs. Clinical Science, 2020, 134, 2503-2520.	4.3	33
21	Microparticles from vascular endothelial growth factor pathway inhibitor-treated cancer patients mediate endothelial cell injury. Cardiovascular Research, 2019, 115, 978-988.	3.8	32
22	ER stress and Rho kinase activation underlie the vasculopathy of CADASIL. JCI Insight, 2019, 4, .	5.0	31
23	Internal Pudental Artery Dysfunction in Diabetes Mellitus Is Mediated by NOX1-Derived ROS-, Nrf2-, and Rho Kinaseâ€"Dependent Mechanisms. Hypertension, 2016, 68, 1056-1064.	2.7	30
24	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.	3.2	30
25	Central role of c-Src in NOX5- mediated redox signalling in vascular smooth muscle cells in human hypertension. Cardiovascular Research, 2022, 118, 1359-1373.	3.8	26
26	Selective ETA vs. dual ETA/B receptor blockade for the prevention of sunitinib-induced hypertension and albuminuria in WKY rats. Cardiovascular Research, 2020, 116, 1779-1790.	3.8	25
27	Functional and structural changes in internal pudendal arteries underlie erectile dysfunction induced by androgen deprivation. Asian Journal of Andrology, 2017, 19, 526.	1.6	23
28	Comprehensive Characterization of the Vascular Effects of Cisplatin-Based Chemotherapy in Patients With TesticularÂCancer. JACC: CardioOncology, 2020, 2, 443-455.	4.0	20
29	Cholesteryl Ester-Transfer Protein Inhibitors Stimulate Aldosterone Biosynthesis in Adipocytes through Nox-Dependent Processes. Journal of Pharmacology and Experimental Therapeutics, 2015, 353, 27-34.	2.5	19
30	Isolation and Culture of Vascular Smooth Muscle Cells from Small and Large Vessels. Methods in Molecular Biology, 2017, 1527, 349-354.	0.9	19
31	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, 2454.	4.1	19
32	Lysophosphatidylcholine induces oxidative stress in human endothelial cells via NOX5 activation â€" implications in atherosclerosis. Clinical Science, 2021, 135, 1845-1858.	4.3	18
33	Epidermal growth factor signaling through transient receptor potential melastatin 7 cation channel regulates vascular smooth muscle cell function. Clinical Science, 2020, 134, 2019-2035.	4.3	15
34	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.	4.3	12
35	Exosomes and the cardiovascular system: role in cardiovascular health and disease. Journal of Physiology, 2023, 601, 4923-4936.	2.9	12
36	Isolation and Culture of Endothelial Cells from Large Vessels. Methods in Molecular Biology, 2017, 1527, 345-348.	0.9	11

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37	Glycosylation with O-linked Î²-N-acetylglucosamine induces vascular dysfunction via production of superoxide anion/reactive oxygen species. Canadian Journal of Physiology and Pharmacology, 2018, 96, 232-240.	1.4	11
38	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, 415-422.	2.5	9
39	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.	2.7	7
40	Extracellular Vesicles as Biomarkers and Biovectors in Primary Aldosteronism. Hypertension, 2019, 74, 250-252.	2.7	6
41	Muscarinic Receptor Type-3 in Hypertension and Cholinergic-Adrenergic Crosstalk: Genetic Insights and Potential for New Antihypertensive Targets. Canadian Journal of Cardiology, 2019, 35, 555-557.	1.7	6
42	Differential effects of cyclo-oxygenase 1 and 2 inhibition on angiogenesis inhibitor-induced hypertension and kidney damage. Clinical Science, 2022, 136, 675-694.	4.3	6
43	Acute vascular effects of vascular endothelial growth factor inhibition in the forearm arterial circulation. Journal of Hypertension, 2020, 38, 257-265.	0.5	5
44	Osteoprotegerin regulates vascular function through syndecan-1 and NADPH oxidase-derived reactive oxygen species. Clinical Science, 2021, 135, 2429-2444.	4.3	4
45	Arterial Hypertension. , 2022, , .		0
46	The vascular phenotype in hypertension. , 2022, , 327-342.		0