Ana P Dantas

List of Publications by Year
in descending order

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83 papers	2,650 citations	159358 30 h-index	197535 49 g-index
88 all docs	88 docs citations	88 times ranked	4199 citing authors

#	Article	IF	Citations
1	VEGF induces S1P1 receptors in endothelial cells: Implications for cross-talk between sphingolipid and growth factor receptors. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10664-10669.	3.3	179
2	The phosphorylation state of eNOS modulates vascular reactivity and outcome of cerebral ischemia in vivo. Journal of Clinical Investigation, 2007, 117, 1961-1967.	3.9	143
3	Intrauterine undernutrition: expression and activity of the endothelial nitric oxide synthase in male and female adult offspring. Cardiovascular Research, 2002, 56, 145-153.	1.8	139
4	Enhanced Oxidative Stress As a Potential Mechanism Underlying the Programming of Hypertension In Utero. Journal of Cardiovascular Pharmacology, 2002, 40, 501-509.	0.8	121
5	Sphingosine 1-phosphate and control of vascular tone. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H2045-H2052.	1.5	109
6	In Vivo Evidence for Antioxidant Potential of Estrogen in Microvessels of Female Spontaneously Hypertensive Rats. Hypertension, 2002, 39, 405-411.	1.3	106
7	Gender differences in superoxide generation in microvessels of hypertensive rats: role of NAD(P)H-oxidase. Cardiovascular Research, 2004, 61, 22-29.	1.8	97
8	Vascular Aging in Women: is Estrogen the Fountain of Youth?. Frontiers in Physiology, 2012, 3, 165.	1.3	87
9	Influence of Hypoxia on Nitric Oxide Synthase Activity and Gene Expression in Children With Congenital Heart Disease. Circulation, 2001, 103, 2272-2276.	1.6	85
10	Influence of Female Sex Hormones on Endothelium-Derived Vasoconstrictor Prostanoid Generation in Microvessels of Spontaneously Hypertensive Rats. Hypertension, 1999, 34, 914-919.	1.3	84
11	Effects of Estrogen on Vascular Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2035-2042.	1.1	78
12	Effects of Adipose Tissue-Derived Stem Cell Therapy After Myocardial Infarction: Impact of the Route of Administration. Journal of Cardiac Failure, 2010, 16, 357-366.	0.7	77
13	Middle cerebral artery remodeling following transient brain ischemia is linked to early postischemic hyperemia: A target of uric acid treatment. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H862-H874.	1.5	68
14	Sustained Decrease in Superoxide Dismutase Activity Underlies Constrictive Remodeling After Balloon Injury in Rabbits. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 2197-2202.	1.1	64
15	Disparate miRNA expression in serum and plasma of patients with acute myocardial infarction: a systematic and paired comparative analysis. Scientific Reports, 2020, 10, 5373.	1.6	58
16	The homeostatic role of hydrogen peroxide, superoxide anion and nitric oxide in the vasculature. Free Radical Biology and Medicine, 2021, 162, 615-635.	1.3	57
17	Rice bran enzymatic extract restores endothelial function and vascular contractility in obese rats by reducing vascular inflammation and oxidative stress. Journal of Nutritional Biochemistry, 2013, 24, 1453-1461.	1.9	53
18	Aging Negatively Affects Estrogens-Mediated Effects on Nitric Oxide Bioavailability by Shifting ERÎ±/ERÎ² Balance in Female Mice. PLoS ONE, 2011, 6, e25335.	1.1	52

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19	Vascular Aging: Facts and Factors. Frontiers in Physiology, 2012, 3, 325.	1.3	50
20	Allogeneic adipose stem cell therapy in acute myocardial infarction. European Journal of Clinical Investigation, 2014, 44, 83-92.	1.7	47
21	Premature placental aging in term smallâ€forâ€gestationalâ€age and growthâ€restricted fetuses. Ultrasound in Obstetrics and Gynecology, 2019, 53, 615-622.	0.9	46
22	Aging-related endothelial dysfunction in the aorta from female senescence-accelerated mice is associated with decreased nitric oxide synthase expression. Experimental Gerontology, 2013, 48, 1329-1337.	1.2	45
23	Intracoronary Administration of Allogeneic Adipose Tissueâ€“Derived Mesenchymal Stem Cells Improves Myocardial Perfusion But Not Left Ventricle Function, in a Translational Model of Acute Myocardial Infarction. Journal of the American Heart Association, 2017, 6, .	1.6	43
24	MicroRNA as Crucial Regulators of Gene Expression in Estradiol-Treated Human Endothelial Cells. Cellular Physiology and Biochemistry, 2018, 45, 1878-1892.	1.1	41
25	Equine Estrogens Impair Nitric Oxide Production and Endothelial Nitric Oxide Synthase Transcription in Human Endothelial Cells Compared With the Natural 17Î²-Estradiol. Hypertension, 2010, 56, 405-411.	1.3	39
26	Association of testosterone with estrogen abolishes the beneficial effects of estrogen treatment by increasing ROS generation in aorta endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H723-H732.	1.5	36
27	Vascular Disease in Diabetic Women: Why Do They Miss the Female Protection?. Experimental Diabetes Research, 2012, 2012, 1-10.	3.8	35
28	Expression of inducible nitric oxide synthase is increased in patients with heart failure due to ischemic disease. Brazilian Journal of Medical and Biological Research, 2004, 37, 1313-1320.	0.7	34
29	Aging enhances contraction to thromboxane A2 in aorta from female senescence-accelerated mice. Age, 2013, 35, 117-128.	3.0	34
30	Conjugated equine estrogen treatment corrected the exacerbated aorta oxidative stress in ovariectomized spontaneously hypertensive rats. Steroids, 2013, 78, 341-346.	0.8	34
31	Gathering of aging and estrogen withdrawal in vascular dysfunction of senescent accelerated mice. Experimental Gerontology, 2010, 45, 868-874.	1.2	30
32	Increased endothelinâ€1 vasoconstriction in mesenteric resistance arteries after superior mesenteric ischaemiaâ€reperfusion. British Journal of Pharmacology, 2012, 165, 937-950.	2.7	26
33	Complement and coagulation cascades activation is the main pathophysiological pathway in early-onset severe preeclampsia revealed by maternal proteomics. Scientific Reports, 2021, 11, 3048.	1.6	25
34	Differences in the Thoracic Aorta by Region and Sex in a Murine Model of Marfan Syndrome. Frontiers in Physiology, 2017, 8, 933.	1.3	24
35	Uric acid treatment after stroke modulates the KrÃ¼ppel-like factor 2-VEGF-A axis to protect brain endothelial cell functions: Impact of hypertension. Biochemical Pharmacology, 2019, 164, 115-128.	2.0	22
36	Middle cerebral artery alterations in a rat chronic hypoperfusion model. Journal of Applied Physiology, 2012, 112, 511-518.	1.2	21

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37	Estrogen Regulation of Tumor Necrosis Factor-Î±. Hypertension, 2005, 46, 21-22.	1.3	19
38	Decreased bioavailability of nitric oxide in aorta from ovariectomized senescent mice. Role of cyclooxygenase. Experimental Gerontology, 2016, 76, 1-8.	1.2	18
39	Three-dimensional printing of an aortic model for transcatheter aortic valve implantation: possible clinical applications. International Journal of Cardiovascular Imaging, 2017, 33, 283-285.	0.7	18
40	K+ Channels Expression in Hypertension After Arterial Injury, and Effect of Selective Kv1.3 Blockade with PAP-1 on Intimal Hyperplasia Formation. Cardiovascular Drugs and Therapy, 2014, 28, 501-511.	1.3	17
41	Myocardial Injury in COVID-19 Patients: Association with Inflammation, Coagulopathy and In-Hospital Prognosis. Journal of Clinical Medicine, 2021, 10, 2096.	1.0	17
42	Anti-toll like receptor 4 (TLR4) therapy diminishes cardiac remodeling regardless of changes in blood pressure in spontaneously hypertensive rats (SHR). International Journal of Cardiology, 2015, 187, 243-245.	0.8	16
43	Effect of pulmonary artery denervation in postcapillary pulmonary hypertension: results of a randomized controlled translational study. Basic Research in Cardiology, 2019, 114, 5.	2.5	16
44	Uric Acid Treatment After Stroke Prevents Long-Term Middle Cerebral Artery Remodelling and Attenuates Brain Damage in Spontaneously Hypertensive Rats. Translational Stroke Research, 2020, 11, 1332-1347.	2.3	16
45	Relative Contribution of Estrogen Withdrawal and Gonadotropins Increase Secondary to Ovariectomy on Prostaglandin Generation in Mesenteric Microvessels. Journal of Cardiovascular Pharmacology, 2004, 43, 48-55.	0.8	15
46	Western-style diet modulates contractile responses to phenylephrine differently in mesenteric arteries from senescence-accelerated prone (SAMP8) and resistant (SAMR1) mice. Age, 2013, 35, 1219-1234.	3.0	15
47	Does 2-Methoxyestradiol Represent the New and Improved Hormone Replacement Therapy for Atherosclerosis?. Circulation Research, 2006, 99, 234-237.	2.0	14
48	Sex Differences in Renal Nitric Oxide Synthase, NAD(P)H Oxidase, and Blood Pressure in Obese Zucker Rats. Gender Medicine, 2007, 4, 214-229.	1.4	14
49	Detrimental Effects of Testosterone Addition to Estrogen Therapy Involve Cytochrome P-450-Induced 20-HETE Synthesis in Aorta of Ovariectomized Spontaneously Hypertensive Rat (SHR), a Model of Postmenopausal Hypertension. Frontiers in Physiology, 2018, 9, 490.	1.3	14
50	NADPH oxidase 4 attenuates cerebral artery changes during the progression of Marfan syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1081-H1090.	1.5	13
51	Sex differences in angiotensin II responses contribute to a differential regulation of cox-mediated vascular dysfunction during aging. Experimental Gerontology, 2016, 85, 71-80.	1.2	13
52	Western-type diet induces senescence, modifies vascular function in non-senescence mice and triggers adaptive mechanisms in senescent ones. Experimental Gerontology, 2013, 48, 1410-1419.	1.2	12
53	Stenosis coexists with compromised Î±1-adrenergic contractions in the ascending aorta of a mouse model of Williams-Beuren syndrome. Scientific Reports, 2020, 10, 889.	1.6	10
54	Western diet consumption promotes vascular remodeling in non-senescent mice consistent with accelerated senescence, but does not modify vascular morphology in senescent ones. Experimental Gerontology, 2014, 55, 1-11.	1.2	9

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55	Late Onset of Estrogen Therapy Impairs Carotid Function of Senescent Females in Association with Altered Prostanoid Balance and Upregulation of the Variant ERÎ±36. Cells, 2019, 8, 1217.	1.8	8
56	Regulation of ACE2 and ANG-(1â€“7) in the aorta: new insights into the renin-angiotensin system in the control of vascular function. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H980-H981.	1.5	7
57	Cell-free DNA and Microvascular Damage in ST-segment Elevation Myocardial Infarction Treated With Primary Percutaneous Coronary Intervention. Revista Espanola De Cardiologia (English Ed), 2019, 72, 317-323.	0.4	7
58	Transient Mesenteric Ischemia Leads to Remodeling of Rat Mesenteric Resistance Arteries. Frontiers in Physiology, 2011, 2, 118.	1.3	6
59	Treatment with Standard and Low Dose of Conjugated Equine Estrogen Differentially Modulates Estrogen Receptor Expression and Response to Angiotensin II in Mesenteric Venular Bed of Surgically Postmenopausal Hypertensive Rats. Journal of Pharmacology and Experimental Therapeutics, 2017, 362, 98-107.	1.3	6
60	Moderate Hypothermia Modifies Coronary Hemodynamics and Endotheliumâ€Dependent Vasodilation in a Porcine Model of Temperature Management. Journal of the American Heart Association, 2020, 9, e014035.	1.6	6
61	The Interplay between Pathophysiological Pathways in Early-Onset Severe Preeclampsia Unveiled by Metabolomics. Life, 2022, 12, 86.	1.1	6
62	Endothelial function impairment in STEMI patients with out-of-hospital cardiac arrest under therapeutic hypothermia treatment. International Journal of Cardiology, 2017, 232, 70-75.	0.8	5
63	Estrogen enhances vasoconstrictive remodeling after injury in male rabbits. Brazilian Journal of Medical and Biological Research, 2005, 38, 1325-1329.	0.7	5
64	miRNA Update: A Review Focus on Clinical Implications of miRNA in Vascular Remodeling. AIMS Medical Science, 2017, 4, 99-112.	0.2	5
65	Linking In Vitro Models of Endothelial Dysfunction with Cell Senescence. Life, 2021, 11, 1323.	1.1	5
66	Circulating miRNA Fingerprint and Endothelial Function in Myocardial Infarction: Comparison at Acute Event and One-Year Follow-Up. Cells, 2022, 11, 1823.	1.8	4
67	Peroxynitrite formed during a transient episode of brain ischaemia increases endotheliumâ€derived hyperpolarizationâ€type dilations in thromboxane/prostaglandin receptorâ€stimulated rat cerebral arteries. Acta Physiologica, 2017, 220, 150-166.	1.8	3
68	Equilin displays similar endothelium-independent vasodilator potential to 17Î²-estradiol regardless of lower potential to inhibit calcium entry. Steroids, 2019, 141, 46-54.	0.8	2
69	Effect of sildenafil on right ventricular performance in an experimental large-animal model of postcapillary pulmonary hypertension. Translational Research, 2021, 228, 64-75.	2.2	2
70	Arachnoid membrane as a source of sphingosine-1-phosphate that regulates mouse middle cerebral artery tone. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 162-174.	2.4	2
71	Challenges and opportunities associated with targeting estrogen receptors in treating hypertension and cardiovascular disease. Drug Discovery Today: Therapeutic Strategies, 2005, 2, 245-251.	0.5	1
72	2C.04. Journal of Hypertension, 2015, 33, e26.	0.3	1

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73	Characteristics of the Endothelium in Both Sexes. , 2018, , 63-81.		1
74	201: Premature placental aging in term small for gestational age and fetal growth restriction. American Journal of Obstetrics and Gynecology, 2019, 220, S145-S146.	0.7	1
75	Characterization of the relaxant response to equilin in rat mesenteric arteries. FASEB Journal, 2010, 24, 575.7.	0.2	1
76	ANTI-INFLAMMATORY EFFECTS OF ESTROGEN AND RALOXIFENE: A MATTER OF TIMING. Journal of Hypertension, 2011, 29, e570.	0.3	0
77	ADVANCING AGE INCREASES CONTRACTILE PROSTANOIDS RELEASE IN AORTA OF FEMALE SENESCENCE ACCELERATED MOUSE. Journal of Hypertension, 2011, 29, e193-e194.	0.3	0
78	P752Sex-associated differences in oxidative stress and renin-angiotensin system contribute to a differential regulation of vascular aging. Cardiovascular Research, 2014, 103, S137.5-S138.	1.8	0
79	[OP.8C.02] SENESCENCE INCREASES VASCULAR SMOOTH MUSCLE CONTRACTIONS THROUGH INCREASED RHO KINASE ACTIVITY IN FEMALE MOUSE AORTA. Journal of Hypertension, 2016, 34, e102.	0.3	0
80	5988Circulating exosomes from patients with coronary syndrome inhibit angiogenesis and trigger inflammatory pathways in vitro through TLR activation. European Heart Journal, 2018, 39, .	1.0	0
81	Abstract 600: Anti-Angiogenic Effects of Circulating Exosomes From Patients With Acute Coronary Syndrome: Potential Role of miR-199a and miR-125a. Circulation Research, 2019, 125, .	2.0	0
82	Abstract 888: Exosomes Derived From Endothelial Progenitor Cells Modulate Flow-Induced Remodeling and Increase Angiogenesis/Arteriogenesis in Mesenteric Arteries of Mice. Circulation Research, 2019, 125, .	2.0	0
83	2.3 Exosomes Derived From Endothelial Progenitor Cells Modulate Flow-Induced Remodeling and Increase Vasculogeneis in Mesenteric Arteries of Mice. Artery Research, 2019, 25, S10-S10.	0.3	0