# Ana P Dantas

## List of Publications by Citations



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| 74 papers | 2,111 citations | 26 h-index | 44 g-index |
| 88 ext. papers | 2,367 ext. citations | 5.6 avg, IF | 4.43 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 74 | 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, 10664-9 | 11.5 | 163 |
| 73 | The phosphorylation state of eNOS modulates vascular reactivity and outcome of cerebral ischemia in vivo. *Journal of Clinical Investigation*, **2007**, 117, 1961-7 | 15.9 | 125 |
| 72 | Intrauterine undernutrition: expression and activity of the endothelial nitric oxide synthase in male and female adult offspring. *Cardiovascular Research*, **2002**, 56, 145-53 | 9.9 | 123 |
| 71 | Enhanced oxidative stress as a potential mechanism underlying the programming of hypertension in utero. *Journal of Cardiovascular Pharmacology*, **2002**, 40, 501-9 | 3.1 | 111 |
| 70 | Sphingosine 1-phosphate and control of vascular tone. *American Journal of Physiology - Heart and Circulatory Physiology*, **2003**, 284, H2045-52 | 5.2 | 97 |
| 69 | In vivo evidence for antioxidant potential of estrogen in microvessels of female spontaneously hypertensive rats. *Hypertension*, **2002**, 39, 405-11 | 8.5 | 94 |
| 68 | Gender differences in superoxide generation in microvessels of hypertensive rats: role of NAD(P)H-oxidase. *Cardiovascular Research*, **2004**, 61, 22-9 | 9.9 | 84 |
| 67 | Influence of hypoxia on nitric oxide synthase activity and gene expression in children with congenital heart disease: a novel pathophysiological adaptive mechanism. *Circulation*, **2001**, 103, 2272-6 | 16.7 | 79 |
| 66 | Influence of female sex hormones on endothelium-derived vasoconstrictor prostanoid generation in microvessels of spontaneously hypertensive rats. *Hypertension*, **1999**, 34, 914-9 | 8.5 | 77 |
| 65 | Effects of adipose tissue-derived stem cell therapy after myocardial infarction: impact of the route of administration. *Journal of Cardiac Failure*, **2010**, 16, 357-66 | 3.3 | 68 |
| 64 | Effects of estrogen on vascular inflammation: a matter of timing. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 2035-42 | 9.4 | 63 |
| 63 | Vascular Aging in Women: is Estrogen the Fountain of Youth?. *Frontiers in Physiology*, **2012**, 3, 165 | 4.6 | 60 |
| 62 | Sustained decrease in superoxide dismutase activity underlies constrictive remodeling after balloon injury in rabbits. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 2197-202 | 9.4 | 57 |
| 61 | 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, H862-74 | 5.2 | 55 |
| 60 | 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, 1453-61 | 6.3 | 45 |
| 59 | Allogeneic adipose stem cell therapy in acute myocardial infarction. *European Journal of Clinical Investigation*, **2014**, 44, 83-92 | 4.6 | 41 |
| 58 | Aging negatively affects estrogens-mediated effects on nitric oxide bioavailability by shifting ERβ/ERα balance in female mice. *PLoS ONE*, **2011**, 6, e25335 | 3.7 | 40 |

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| 57 | Aging-related endothelial dysfunction in the aorta from female senescence-accelerated mice is associated with decreased nitric oxide synthase expression. *Experimental Gerontology*, **2013**, 48, 1329-37 | 4.5 | 39 |
| 56 | Vascular aging: facts and factors. *Frontiers in Physiology*, **2012**, 3, 325 | 4.6 | 35 |
| 55 | Intracoronary Administration of Allogeneic Adipose Tissue-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, | 6 | 33 |
| 54 | Equine estrogens impair nitric oxide production and endothelial nitric oxide synthase transcription in human endothelial cells compared with the natural 17{beta}-estradiol. *Hypertension*, **2010**, 56, 405-11 | 8.5 | 33 |
| 53 | Premature placental aging in term small-for-gestational-age and growth-restricted fetuses. *Ultrasound in Obstetrics and Gynecology*, **2019**, 53, 615-622 | 5.8 | 32 |
| 52 | Conjugated equine estrogen treatment corrected the exacerbated aorta oxidative stress in ovariectomized spontaneously hypertensive rats. *Steroids*, **2013**, 78, 341-6 | 2.8 | 29 |
| 51 | Vascular disease in diabetic women: Why do they miss the female protection?. *Experimental Diabetes Research*, **2012**, 2012, 570598 | | 29 |
| 50 | 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, 1313-20 | 2.8 | 29 |
| 49 | MicroRNA as Crucial Regulators of Gene Expression in Estradiol-Treated Human Endothelial Cells. *Cellular Physiology and Biochemistry*, **2018**, 45, 1878-1892 | 3.9 | 28 |
| 48 | Disparate miRNA expression in serum and plasma of patients with acute myocardial infarction: a systematic and paired comparative analysis. *Scientific Reports*, **2020**, 10, 5373 | 4.9 | 26 |
| 47 | Aging enhances contraction to thromboxane A2 in aorta from female senescence-accelerated mice. *Age*, **2013**, 35, 117-28 | | 26 |
| 46 | Increased endothelin-1 vasoconstriction in mesenteric resistance arteries after superior mesenteric ischaemia-reperfusion. *British Journal of Pharmacology*, **2012**, 165, 937-50 | 8.6 | 26 |
| 45 | Gathering of aging and estrogen withdrawal in vascular dysfunction of senescent accelerated mice. *Experimental Gerontology*, **2010**, 45, 868-74 | 4.5 | 26 |
| 44 | 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, H723-32 | 5.2 | 25 |
| 43 | Middle cerebral artery alterations in a rat chronic hypoperfusion model. *Journal of Applied Physiology*, **2012**, 112, 511-8 | 3.7 | 18 |
| 42 | Decreased bioavailability of nitric oxide in aorta from ovariectomized senescent mice. Role of cyclooxygenase. *Experimental Gerontology*, **2016**, 76, 1-8 | 4.5 | 17 |
| 41 | Estrogen regulation of tumor necrosis factor-alpha: a missing link between menopause and cardiovascular risk in women?. *Hypertension*, **2005**, 46, 21-2 | 8.5 | 16 |
| 40 | Three-dimensional printing of an aortic model for transcatheter aortic valve implantation: possible clinical applications. *International Journal of Cardiovascular Imaging*, **2017**, 33, 283-285 | 2.5 | 15 |

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| 39 | The homeostatic role of hydrogen peroxide, superoxide anion and nitric oxide in the vasculature. *Free Radical Biology and Medicine*, **2021**, 162, 615-635 | 7.8 | 15 |
| 38 | 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, 501-11 | 3.9 | 14 |
| 37 | Uric acid treatment after stroke modulates the Krüppel-like factor 2-VEGF-A axis to protect brain endothelial cell functions: Impact of hypertension. *Biochemical Pharmacology*, **2019**, 164, 115-128 | 6 | 13 |
| 36 | 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, 243-5 | 3.2 | 13 |
| 35 | Differences in the Thoracic Aorta by Region and Sex in a Murine Model of Marfan Syndrome. *Frontiers in Physiology*, **2017**, 8, 933 | 4.6 | 13 |
| 34 | Western-style diet modulates contractile responses to phenylephrine differently in mesenteric arteries from senescence-accelerated prone (SAMP8) and resistant (SAMR1) mice. *Age*, **2013**, 35, 1219-34 | | 12 |
| 33 | Sex differences in renal nitric oxide synthase, NAD(P)H oxidase, and blood pressure in obese Zucker rats. *Gender Medicine*, **2007**, 4, 214-29 | | 12 |
| 32 | 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 | 3.1 | 11 |
| 31 | Sex differences in angiotensin II responses contribute to a differential regulation of cox-mediated vascular dysfunction during aging. *Experimental Gerontology*, **2016**, 85, 71-80 | 4.5 | 10 |
| 30 | NADPH oxidase 4 attenuates cerebral artery changes during the progression of Marfan syndrome. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H1081-90 | 5.2 | 9 |
| 29 | 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 | 7.8 | 9 |
| 28 | 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 | 4.6 | 8 |
| 27 | 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 | 4.5 | 8 |
| 26 | Effect of pulmonary artery denervation in postcapillary pulmonary hypertension: results of a randomized controlled translational study. *Basic Research in Cardiology*, **2019**, 114, 5 | 11.8 | 8 |
| 25 | Stenosis coexists with compromised 1-adrenergic contractions in the ascending aorta of a mouse model of Williams-Beuren syndrome. *Scientific Reports*, **2020**, 10, 889 | 4.9 | 7 |
| 24 | Western-type diet induces senescence, modifies vascular function in non-senescence mice and triggers adaptive mechanisms in senescent ones. *Experimental Gerontology*, **2013**, 48, 1410-9 | 4.5 | 7 |
| 23 | ADN libre y da microvascular en el infarto agudo de miocardio con elevaci del segmento ST tratado con intervenci coronaria primaria. *Revista Espanola De Cardiologia*, **2019**, 72, 317-323 | 1.5 | 7 |
| 22 | Complement and coagulation cascades activation is the main pathophysiological pathway in early-onset severe preeclampsia revealed by maternal proteomics. *Scientific Reports*, **2021**, 11, 3048 | 4.9 | 7 |

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| 21 | Transient mesenteric ischemia leads to remodeling of rat mesenteric resistance arteries. *Frontiers in Physiology*, **2011**, 2, 118 | 4.6 | 6 |
| 20 | Estrogen enhances vasoconstrictive remodeling after injury in male rabbits. *Brazilian Journal of Medical and Biological Research*, **2005**, 38, 1325-9 | 2.8 | 5 |
| 19 | Myocardial Injury in COVID-19 Patients: Association with Inflammation, Coagulopathy and In-Hospital Prognosis. *Journal of Clinical Medicine*, **2021**, 10, | 5.1 | 5 |
| 18 | miRNA Update: A Review Focus on Clinical Implications of miRNA in Vascular Remodeling. *AIMS Medical Science*, **2017**, 4, 99-112 | 0.4 | 4 |
| 17 | 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 | 0.7 | 4 |
| 16 | Endothelial function impairment in STEMI patients with out-of-hospital cardiac arrest under therapeutic hypothermia treatment. *International Journal of Cardiology*, **2017**, 232, 70-75 | 3.2 | 3 |
| 15 | 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 | 4.7 | 3 |
| 14 | Moderate Hypothermia Modifies Coronary Hemodynamics and Endothelium-Dependent Vasodilation in a Porcine Model of Temperature Management. *Journal of the American Heart Association*, **2020**, 9, e014035 | 6 | 3 |
| 13 | Peroxynitrite formed during a transient episode of brain ischaemia increases endothelium-derived hyperpolarization-type dilations in thromboxane/prostaglandin receptor-stimulated rat cerebral arteries. *Acta Physiologica*, **2017**, 220, 150-166 | 5.6 | 2 |
| 12 | Circulating miRNA Fingerprint and Endothelial Function in Myocardial Infarction: Comparison at Acute Event and One-Year Follow-Up. *Cells*, **2022**, 11, 1823 | 7.9 | 2 |
| 11 | Late Onset of Estrogen Therapy Impairs Carotid Function of Senescent Females in Association with Altered Prostanoid Balance and Upregulation of the Variant ER□6. *Cells*, **2019**, 8, | 7.9 | 1 |
| 10 | 2C.04. *Journal of Hypertension*, **2015**, 33, e26 | 1.9 | 1 |
| 9 | Challenges and opportunities associated with targeting estrogen receptors in treating hypertension and cardiovascular disease. *Drug Discovery Today: Therapeutic Strategies*, **2005**, 2, 245-251 | | 1 |
| 8 | Characterization of the relaxant response to equilin in rat mesenteric arteries. *FASEB Journal*, **2010**, 24, 575.7 | 0.9 | 1 |
| 7 | Equilin displays similar endothelium-independent vasodilator potential to 17□estradiol regardless of lower potential to inhibit calcium entry. *Steroids*, **2019**, 141, 46-54 | 2.8 | 1 |
| 6 | Effect of sildenafil on right ventricular performance in an experimental large-animal model of postcapillary pulmonary hypertension. *Translational Research*, **2021**, 228, 64-75 | 11 | 1 |
| 5 | Characteristics of the Endothelium in Both Sexes **2018**, 63-81 | | 1 |
| 4 | Arachnoid membrane as a source of sphingosine-1-phosphate that regulates mouse middle cerebral artery tone. *Journal of Cerebral Blood Flow and Metabolism*, **2021**, 271678X211033362 | 7.3 | 0 |

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| 3 | 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 | 9.9 |
| 2 | ANTI-INFLAMMATORY EFFECTS OF ESTROGEN AND RALOXIFENE: A MATTER OF TIMING. *Journal of Hypertension*, **2011**, 29, e570 | 1.9 |
| 1 | ADVANCING AGE INCREASES CONTRACTILE PROSTANOIDS RELEASE IN AORTA OF FEMALE SENESCENCE ACCELERATED MOUSE. *Journal of Hypertension*, **2011**, 29, e193-e194 | 1.9 |