Mercedes Salaices Sanchez

List of Publications by Year
in descending order

47 papers	1,449 citations	331538 21 h-index	345118 36 g-index
48 all docs	48 docs citations	48 times ranked	2542 citing authors

#	Article	IF	Citations
1	Nitric oxide mediates aortic disease in mice deficient in the metalloprotease Adamts1 and in a mouse model of Marfan syndrome. Nature Medicine, 2017, 23, 200-212.	15.2	134
2	NADPH oxidases and vascular remodeling in cardiovascular diseases. Pharmacological Research, 2016, 114, 110-120.	3.1	110
3	Toll-Like Receptor 4 Upregulation by Angiotensin II Contributes to Hypertension and Vascular Dysfunction through Reactive Oxygen Species Production. PLoS ONE, 2014, 9, e104020.	1.1	94
4	Lysyl Oxidase Induces Vascular Oxidative Stress and Contributes to Arterial Stiffness and Abnormal Elastin Structure in Hypertension: Role of p38MAPK. Antioxidants and Redox Signaling, 2017, 27, 379-397.	2.5	91
5	Branchedâ€chain amino acids promote endothelial dysfunction through increased reactive oxygen species generation and inflammation. Journal of Cellular and Molecular Medicine, 2018, 22, 4948-4962.	1.6	89
6	Aging-Associated miR-217 Aggravates Atherosclerosis and Promotes Cardiovascular Dysfunction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2408-2424.	1.1	73
7	G Protein-Coupled Receptor Kinase 2 (GRK2) as a Potential Therapeutic Target in Cardiovascular and Metabolic Diseases. Frontiers in Pharmacology, 2019, 10, 112.	1.6	68
8	Wilms Tumor 1b Expression Defines a Pro-regenerative Macrophage Subtype and Is Required for Organ Regeneration in the Zebrafish. Cell Reports, 2019, 28, 1296-1306.e6.	2.9	61
9	Alterations in structure and mechanics of resistance arteries from ouabain-induced hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H193-H201.	1.5	59
10	Deficiency of MMP17/MT4-MMP Proteolytic Activity Predisposes to Aortic Aneurysm in Mice. Circulation Research, 2015, 117, e13-26.	2.0	53
11	Peroxisome proliferator-activated receptor-Î³ activation reduces cyclooxygenase-2 expression in vascular smooth muscle cells from hypertensive rats by interfering with oxidative stress. Journal of Hypertension, 2012, 30, 315-326.	0.3	51
12	Increased Nitric Oxide Bioavailability in Adult GRK2 Hemizygous Mice Protects Against Angiotensin Iiâ€"Induced Hypertension. Hypertension, 2014, 63, 369-375.	1.3	42
13	Aluminum exposure at human dietary levels promotes vascular dysfunction and increases blood pressure in rats: A concerted action of NAD(P)H oxidase and COX-2. Toxicology, 2017, 390, 10-21.	2.0	37
14	G protein-coupled receptor kinase 2 (GRK2) as an integrative signalling node in the regulation of cardiovascular function and metabolic homeostasis. Cellular Signalling, 2018, 41, 25-32.	1.7	36
15	The role of oxidative stress in the crosstalk between leptin and mineralocorticoid receptor in the cardiac fibrosis associated with obesity. Scientific Reports, 2017, 7, 16802.	1.6	32
16	Interleukin-17A induces vascular remodeling of small arteries and blood pressure elevation. Clinical Science, 2020, 134, 513-527.	1.8	31
17	60-Day Chronic Exposure to Low Concentrations of HgCl2 Impairs Sperm Quality: Hormonal Imbalance and Oxidative Stress as Potential Routes for Reproductive Dysfunction in Rats. PLoS ONE, 2014, 9, e111202.	1.1	31
18	MAPK pathway activation by chronic lead-exposure increases vascular reactivity through oxidative stress/cyclooxygenase-2-dependent pathways. Toxicology and Applied Pharmacology, 2015, 283, 127-138.	1.3	30

#	Article	IF	Citations
19	mPGES-1 (Microsomal Prostaglandin E Synthase-1) Mediates Vascular Dysfunction in Hypertension Through Oxidative Stress. Hypertension, 2018, 72, 492-502.	1.3	29
20	Aerobic exercise training increases neuronal nitric oxide release and bioavailability and decreases noradrenaline release in mesenteric artery from spontaneously hypertensive rats. Journal of Hypertension, 2013, 31, 916-926.	0.3	27
21	Small Artery Remodeling in Obesity and Insulin Resistance. Current Vascular Pharmacology, 2014, 12, 427-437.	0.8	27
22	Pioglitazone reduces angiotensin II-induced COX-2 expression through inhibition of ROS production and ET-1 transcription in vascular cells from spontaneously hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1582-H1593.	1.5	21
23	Reproductive dysfunction after mercury exposure at low levels: evidence for a role of glutathione peroxidase (GPx) 1 and GPx4 in male rats. Reproduction, Fertility and Development, 2017, 29, 1803.	0.1	18
24	Interferon-stimulated gene 15 pathway is a novel mediator of endothelial dysfunction and aneurysms development in angiotensin II infused mice through increased oxidative stress. Cardiovascular Research, 2022, 118, 3250-3268.	1.8	18
25	Augmented oxidative stress and preserved vasoconstriction induced by hydrogen peroxide in coronary arteries in obesity: role of COXâ€2. British Journal of Pharmacology, 2016, 173, 3176-3195.	2.7	17
26	Angiotensin II increases neurogenic nitric oxide metabolism in mesenteric arteries from hypertensive rats. Life Sciences, 2001, 68, 1169-1179.	2.0	16
27	Aldosterone alters the participation of endothelial factors in noradrenaline vasoconstriction differently in resistance arteries from normotensive and hypertensive rats. European Journal of Pharmacology, 2011, 654, 280-288.	1.7	13
28	The cessation of the long-term exposure to low doses of mercury ameliorates the increase in systolic blood pressure and vascular damage in rats. Environmental Research, 2017, 155, 182-192.	3.7	13
29	Regulator of calcineurin 1 modulates vascular contractility and stiffness through the upregulation of COX-2-derived prostanoids. Pharmacological Research, 2018, 133, 236-249.	3.1	12
30	Egg White Hydrolysate: A new putative agent to prevent vascular dysfunction in rats following long-term exposure to aluminum. Food and Chemical Toxicology, 2019, 133, 110799.	1.8	12
31	Increase in Neurogenic Nitric Oxide Metabolism by Endothelin-1 in Mesenteric Arteries from Hypertensive Rats. Journal of Cardiovascular Pharmacology, 2000, 36, 541-547.	0.8	12
32	Cerebrovascular endothelial dysfunction induced by mercury exposure at low concentrations. NeuroToxicology, 2016, 53, 282-289.	1.4	11
33	Activation of PPARÎ²/Î´ prevents hyperglycaemia-induced impairment of Kv7 channels and cAMP-mediated relaxation in rat coronary arteries. Clinical Science, 2016, 130, 1823-1836.	1.8	10
34	Mercury-induced vascular dysfunction is mediated by angiotensin II AT-1 receptor upregulation. Environmental Research, 2018, 162, 287-296.	3.7	10
35	Dexamethasone Decreases Contraction to Electrical Field Stimulation in Mesenteric Arteries from Spontaneously Hypertensive Rats through Decreases in Thromboxane A2 Release. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 1129-1136.	1.3	9
36	Molecular physiopathology of obesity-related diseases: multi-organ integration by GRK2. Archives of Physiology and Biochemistry, 2015, 121, 163-177.	1.0	9

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37	Specialized Pro-Resolving Lipid Mediators: New Therapeutic Approaches for Vascular Remodeling. International Journal of Molecular Sciences, 2022, 23, 3592.	1.8	7
38	La sobreexpresiÃ³n vascular de la lisil oxidasa altera la estructura de la matriz extracelular e induce estrÃ©s oxidativo. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2017, 29, 157-165.	0.4	6
39	Chronic Low-Level Lead Exposure Increases Mesenteric Vascular Reactivity: Role of Cyclooxygenase-2-Derived Prostanoids. Frontiers in Physiology, 2020, 11, 590308.	1.3	6
40	Microsomal prostaglandin E synthaseâ€1 is involved in the metabolic and cardiovascular alterations associated with obesity. British Journal of Pharmacology, 2022, 179, 2733-2753.	2.7	6
41	A Blunted Sympathetic Function and an Enhanced Nitrergic Activity Contribute to Reduce Mesenteric Resistance in Hyperthyroidism. International Journal of Molecular Sciences, 2021, 22, 570.	1.8	4
42	Mercury exposure induces proinflammatory enzymes in vascular fibroblasts. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2017, 29, 231-238.	0.4	3
43	The impact of obesity in the cardiac lipidome and its consequences in the cardiac damage observed in obese rats. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2018, 30, 10-20.	0.4	3
44	Myeloid GRK2 Regulates Obesity-Induced Endothelial Dysfunction by Modulating Inflammatory Responses in Perivascular Adipose Tissue. Antioxidants, 2020, 9, 953.	2.2	3
45	K V 1.3 channels are novel determinants of macrophageâ€dependent endothelial dysfunction in angiotensin IIâ€induced hypertension in mice. British Journal of Pharmacology, 2021, 178, 1836-1854.	2.7	3
46	Hepatic Encephalopathy-Associated Cerebral Vasculopathy in Acute-on-Chronic Liver Failure: Alterations on Endothelial Factor Release and Influence on Cerebrovascular Function. Frontiers in Physiology, 2020, 11, 593371.	1.3	1
47	Factores de riesgo cardiovascular y estrÃ©s oxidativo en jÃ³venes. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2017, 29, 216-217.	0.4	0