

# Rosario Jimenez

## List of Publications by Citations

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78  
papers

3,647  
citations

38  
h-index

59  
g-index

79  
ext. papers

4,211  
ext. citations

5.2  
avg, IF

4.85  
L-index

#	Paper	IF	Citations
78	Antihypertensive effects of the flavonoid quercetin. <i>Pharmacological Reports</i> , <b>2009</b> , 61, 67-75	3.9	197
77	Anti-oxidative and anti-inflammatory vasoprotective effects of caloric restriction in aging: role of circulating factors and SIRT1. <i>Mechanisms of Ageing and Development</i> , <b>2009</b> , 130, 518-27	5.6	196
76	SIRT1 inhibits NADPH oxidase activation and protects endothelial function in the rat aorta: implications for vascular aging. <i>Biochemical Pharmacology</i> , <b>2013</b> , 85, 1288-96	6	144
75	Epicatechin lowers blood pressure, restores endothelial function, and decreases oxidative stress and endothelin-1 and NADPH oxidase activity in DOCA-salt hypertension. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 70-9	7.8	128
74	Adaptive induction of NF-E2-related factor-2-driven antioxidant genes in endothelial cells in response to hyperglycemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 300, H1133-40	5.2	125
73	Antihypertensive effects of probiotics Lactobacillus strains in spontaneously hypertensive rats. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 2326-36	5.9	115
72	Quercetin inhibits vascular superoxide production induced by endothelin-1: Role of NADPH oxidase, uncoupled eNOS and PKC. <i>Atherosclerosis</i> , <b>2009</b> , 202, 58-67	3.1	108
71	Protective effects of the flavonoid quercetin in chronic nitric oxide deficient rats. <i>Journal of Hypertension</i> , <b>2002</b> , 20, 1843-54	1.9	103
70	Glucuronidated and sulfated metabolites of the flavonoid quercetin prevent endothelial dysfunction but lack direct vasorelaxant effects in rat aorta. <i>Atherosclerosis</i> , <b>2009</b> , 204, 34-9	3.1	99
69	Vascular deconjugation of quercetin glucuronide: the flavonoid paradox revealed?. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55, 1780-90	5.9	93
68	Critical Role of the Interaction Gut Microbiota - Sympathetic Nervous System in the Regulation of Blood Pressure. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 231	4.6	89
67	Polyphenols restore endothelial function in DOCA-salt hypertension: role of endothelin-1 and NADPH oxidase. <i>Free Radical Biology and Medicine</i> , <b>2007</b> , 43, 462-73	7.8	89
66	The probiotic Lactobacillus coryniformis CECT5711 reduces the vascular pro-oxidant and pro-inflammatory status in obese mice. <i>Clinical Science</i> , <b>2014</b> , 127, 33-45	6.5	86
65	Wine polyphenols improve endothelial function in large vessels of female spontaneously hypertensive rats. <i>Hypertension</i> , <b>2008</b> , 51, 1088-95	8.5	84
64	Quercetin and isorhamnetin prevent endothelial dysfunction, superoxide production, and overexpression of p47phox induced by angiotensin II in rat aorta. <i>Journal of Nutrition</i> , <b>2007</b> , 137, 910-5	4.1	83
63	Chronic hydroxychloroquine improves endothelial dysfunction and protects kidney in a mouse model of systemic lupus erythematosus. <i>Hypertension</i> , <b>2014</b> , 64, 330-7	8.5	79
62	Glucuronidated quercetin lowers blood pressure in spontaneously hypertensive rats via deconjugation. <i>PLoS ONE</i> , <b>2012</b> , 7, e32673	3.7	76

61	Antihypertensive Effects of Probiotics. <i>Current Hypertension Reports</i> , <b>2017</b> , 19, 26	4.7	72
60	Antihypertensive effects of peroxisome proliferator-activated receptor- $\alpha$ activation in spontaneously hypertensive rats. <i>Hypertension</i> , <b>2011</b> , 58, 733-43	8.5	71
59	Chronic administration of genistein improves endothelial dysfunction in spontaneously hypertensive rats: involvement of eNOS, caveolin and calmodulin expression and NADPH oxidase activity. <i>Clinical Science</i> , <b>2007</b> , 112, 183-91	6.5	64
58	The flavonoid quercetin induces acute vasodilator effects in healthy volunteers: correlation with beta-glucuronidase activity. <i>Pharmacological Research</i> , <b>2014</b> , 89, 11-8	10.2	62
57	Probiotics Prevent Dysbiosis and the Rise in Blood Pressure in Genetic Hypertension: Role of Short-Chain Fatty Acids. <i>Molecular Nutrition and Food Research</i> , <b>2020</b> , 64, e1900616	5.9	53
56	Activation of peroxisome proliferator-activated receptor- $\gamma$ (PPAR $\gamma$ ) prevents endothelial dysfunction in type 1 diabetic rats. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 730-41	7.8	53
55	Role of Toll-like receptors 2 and 4 in the induction of cyclooxygenase-2 in vascular smooth muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 4637-42	11.5	53
54	The flavonoid quercetin reverses pulmonary hypertension in rats. <i>PLoS ONE</i> , <b>2014</b> , 9, e114492	3.7	52
53	Role of the immune system in vascular function and blood pressure control induced by faecal microbiota transplantation in rats. <i>Acta Physiologica</i> , <b>2019</b> , 227, e13285	5.6	50
52	Increased NADPH oxidase activity mediates spontaneous aortic tone in genetically hypertensive rats. <i>European Journal of Pharmacology</i> , <b>2006</b> , 544, 97-103	5.3	50
51	Epicatechin: endothelial function and blood pressure. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 8823-30	5.7	49
50	Effects of chronic chrysin treatment in spontaneously hypertensive rats. <i>Planta Medica</i> , <b>2002</b> , 68, 847-50	3.1	48
49	Endothelium-dependent vasodilator effects of peroxisome proliferator-activated receptor beta agonists via the phosphatidylinositol-3 kinase-Akt pathway. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2010</b> , 332, 554-61	4.7	47
48	Chronic (-)-epicatechin improves vascular oxidative and inflammatory status but not hypertension in chronic nitric oxide-deficient rats. <i>British Journal of Nutrition</i> , <b>2011</b> , 106, 1337-48	3.6	47
47	Kv7 channels critically determine coronary artery reactivity: left-right differences and down-regulation by hyperglycaemia. <i>Cardiovascular Research</i> , <b>2015</b> , 106, 98-108	9.9	46
46	Effects of chronic quercetin treatment on antioxidant defence system and oxidative status of deoxycorticosterone acetate-salt-hypertensive rats. <i>Molecular and Cellular Biochemistry</i> , <b>2004</b> , 259, 91-9	4.2	46
45	Antihypertensive effects of oleuropein-enriched olive leaf extract in spontaneously hypertensive rats. <i>Food and Function</i> , <b>2016</b> , 7, 584-93	6.1	45
44	Lactobacillus fermentum Improves Tacrolimus-Induced Hypertension by Restoring Vascular Redox State and Improving eNOS Coupling. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1800033	5.9	45

43	Vasorelaxant effects of the bioflavonoid chrysin in isolated rat aorta. <i>Planta Medica</i> , <b>2001</b> , 67, 567-9	3.1	44
42	Effects of quercetin treatment on vascular function in deoxycorticosterone acetate-salt hypertensive rats. Comparative study with verapamil. <i>Planta Medica</i> , <b>2004</b> , 70, 334-41	3.1	40
41	Cyclooxygenases 1, 2, and 3 and the production of prostaglandin I <sub>2</sub> : investigating the activities of acetaminophen and cyclooxygenase-2-selective inhibitors in rat tissues. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2004</b> , 310, 642-7	4.7	40
40	Different cardiovascular protective effects of quercetin administered orally or intraperitoneally in spontaneously hypertensive rats. <i>Food and Function</i> , <b>2012</b> , 3, 643-50	6.1	37
39	The Probiotic <i>Lactobacillus fermentum</i> Prevents Dysbiosis and Vascular Oxidative Stress in Rats with Hypertension Induced by Chronic Nitric Oxide Blockade. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1800298	5.9	35
38	Carnitine palmitoyltransferase-1 up-regulation by PPAR- $\alpha$ prevents lipid-induced endothelial dysfunction. <i>Clinical Science</i> , <b>2015</b> , 129, 823-37	6.5	33
37	CECT5716: a novel alternative for the prevention of vascular disorders in a mouse model of systemic lupus erythematosus. <i>FASEB Journal</i> , <b>2019</b> , 33, 10005-10018	0.9	32
36	Quercetin and its metabolites inhibit the membrane NADPH oxidase activity in vascular smooth muscle cells from normotensive and spontaneously hypertensive rats. <i>Food and Function</i> , <b>2015</b> , 6, 409-14	6.1	31
35	Red wine polyphenols prevent endothelial dysfunction induced by endothelin-1 in rat aorta: role of NADPH oxidase. <i>Clinical Science</i> , <b>2011</b> , 120, 321-33	6.5	31
34	Lack of beneficial metabolic effects of quercetin in adult spontaneously hypertensive rats. <i>European Journal of Pharmacology</i> , <b>2010</b> , 627, 242-50	5.3	29
33	Development of urea and thiourea kynurenamine derivatives: synthesis, molecular modeling, and biological evaluation as nitric oxide synthase inhibitors. <i>ChemMedChem</i> , <b>2015</b> , 10, 874-82	3.7	28
32	Chronic peroxisome proliferator-activated receptor- $\alpha$ agonist GW0742 prevents hypertension, vascular inflammatory and oxidative status, and endothelial dysfunction in diet-induced obesity. <i>Journal of Hypertension</i> , <b>2015</b> , 33, 1831-44	1.9	28
31	Vascular superoxide production by endothelin-1 requires Src non-receptor protein tyrosine kinase and MAPK activation. <i>Atherosclerosis</i> , <b>2010</b> , 212, 78-85	3.1	27
30	Influence of thyroid state on cardiac and renal capillary density and glomerular morphology in rats. <i>Journal of Endocrinology</i> , <b>2013</b> , 216, 43-51	4.7	26
29	Involvement of thromboxane A <sub>2</sub> in the endothelium-dependent contractions induced by myricetin in rat isolated aorta. <i>British Journal of Pharmacology</i> , <b>1999</b> , 127, 1539-44	8.6	25
28	PPAR- $\alpha$ activation restores the high glucose-induced impairment of insulin signalling in endothelial cells. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 3089-102	8.6	23
27	Effects of visnadine on rat isolated vascular smooth muscles. <i>Planta Medica</i> , <b>1997</b> , 63, 233-6	3.1	23
26	Antihypertensive effects of peroxisome proliferator-activated receptor- $\alpha$ activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H189-H200	5.2	22

25	The Role of Nrf2 Signaling in PPAR $\gamma$ -Mediated Vascular Protection against Hyperglycemia-Induced Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 5852706	6.7	22
24	Changes to the gut microbiota induced by losartan contributes to its antihypertensive effects. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 2006-2023	8.6	22
23	Effects of peroxisome proliferator-activated receptor- $\alpha$ activation in endothelin-dependent hypertension. <i>Cardiovascular Research</i> , <b>2013</b> , 99, 622-31	9.9	21
22	Genistein restores caveolin-1 and AT-1 receptor expression and vascular function in large vessels of ovariectomized hypertensive rats. <i>Menopause</i> , <b>2007</b> , 14, 933-40	2.5	19
21	Activation of Peroxisome Proliferator Activator Receptor $\gamma$ Improves Endothelial Dysfunction and Protects Kidney in Murine Lupus. <i>Hypertension</i> , <b>2017</b> , 69, 641-650	8.5	18
20	Glucuronidated metabolites of the flavonoid quercetin do not auto-oxidise, do not generate free radicals and do not decrease nitric oxide bioavailability. <i>Planta Medica</i> , <b>2008</b> , 74, 741-6	3.1	18
19	Role of UCP2 in the protective effects of PPAR $\gamma$ activation on lipopolysaccharide-induced endothelial dysfunction. <i>Biochemical Pharmacology</i> , <b>2016</b> , 110-111, 25-36	6	18
18	Probiotic Bifidobacterium breve prevents DOCA-salt hypertension. <i>FASEB Journal</i> , <b>2020</b> , 34, 13626-13640	9	17
17	Lack of synergistic interaction between quercetin and catechin in systemic and pulmonary vascular smooth muscle. <i>British Journal of Nutrition</i> , <b>2011</b> , 105, 1287-93	3.6	15
16	Vascular and Central Activation of Peroxisome Proliferator-Activated Receptor- $\alpha$ Attenuates Angiotensin II-Induced Hypertension: Role of RGS-5. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2016</b> , 358, 151-63	4.7	15
15	Thyroid hormones stimulate L-arginine transport in human endothelial cells. <i>Journal of Endocrinology</i> , <b>2018</b> , 239, 49-62	4.7	10
14	Lactobacillus fermentum CECT5716 prevents renal damage in the NZBWF1 mouse model of systemic lupus erythematosus. <i>Food and Function</i> , <b>2020</b> , 11, 5266-5274	6.1	9
13	Toll-like receptor 7-driven lupus autoimmunity induces hypertension and vascular alterations in mice. <i>Journal of Hypertension</i> , <b>2020</b> , 38, 1322-1335	1.9	9
12	Role of endoplasmic reticulum stress in the protective effects of PPAR $\gamma$ activation on endothelial dysfunction induced by plasma from patients with lupus. <i>Arthritis Research and Therapy</i> , <b>2017</b> , 19, 268	5.7	6
11	Gut microbiota contributes to the development of hypertension in a genetic mouse model of systemic lupus erythematosus. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 3708-3729	8.6	6
10	Effects of Arginase Inhibition in Hypertensive Hyperthyroid Rats. <i>American Journal of Hypertension</i> , <b>2015</b> , 28, 1464-72	2.3	5
9	Involvement of protein kinase C and Na <sup>+</sup> /K <sup>+</sup> -ATPase in the contractile response induced by myricetin in rat isolated aorta. <i>Planta Medica</i> , <b>2002</b> , 68, 133-7	3.1	5
8	Probiotics Prevent Hypertension in a Murine Model of Systemic Lupus Erythematosus Induced by Toll-Like Receptor 7 Activation. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	4

7	Mycophenolate Improves Brain-Gut Axis Inducing Remodeling of Gut Microbiota in DOCA-Salt Hypertensive Rats. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	2
6	Mycophenolate mediated remodeling of gut microbiota and improvement of gut-brain axis in spontaneously hypertensive rats. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 135, 111189	7.5	2
5	Changes in Gut Microbiota Induced by Doxycycline Influence in Vascular Function and Development of Hypertension in DOCA-Salt Rats. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	1
4	Gut Microbiota Has a Crucial Role in the Development of Hypertension and Vascular Dysfunction in Toll-like Receptor 7-Driven Lupus Autoimmunity. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	1
3	180 Endothelial microparticles prevent lipid-induced endothelial dysfunction through activation of AKT/ENOS signalling pathway and attenuation of oxidative stress. <i>Heart</i> , <b>2015</b> , 101, A102.1-A102	5.1	
2	PROTECTIVE EFFECTS OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR (PPAR)- $\alpha$ ACTIVATION ON LIPID-INDUCED ENDOTHELIAL DYSFUNCTION via CARNITINE PALMITOYL TRANSFERASE-1 UPREGULATION. <i>Heart</i> , <b>2014</b> , 100, A9.1-A9	5.1	
1	Vasoconstrictor and Pressor Effects of Des-Aspartate-Angiotensin I in Rat. <i>Biomedicines</i> , <b>2022</b> , 10, 1230	4.8	