

Rosario Jimenez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Vasoconstrictor and Pressor Effects of Des-Aspartate-Angiotensin I in Rat. <i>Biomedicines</i> , 2022 , 10, 1230	4.8	
77	Gut microbiota contributes to the development of hypertension in a genetic mouse model of systemic lupus erythematosus. <i>British Journal of Pharmacology</i> , 2021 , 178, 3708-3729	8.6	6
76	Mycophenolate mediated remodeling of gut microbiota and improvement of gut-brain axis in spontaneously hypertensive rats. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 135, 111189	7.5	2
75	Probiotics Prevent Hypertension in a Murine Model of Systemic Lupus Erythematosus Induced by Toll-Like Receptor 7 Activation. <i>Nutrients</i> , 2021 , 13,	6.7	4
74	Changes in Gut Microbiota Induced by Doxycycline Influence in Vascular Function and Development of Hypertension in DOCA-Salt Rats. <i>Nutrients</i> , 2021 , 13,	6.7	1
73	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> , 2021 , 10,	7.1	1
72	Lactobacillus fermentum CECT5716 prevents renal damage in the NZBWF1 mouse model of systemic lupus erythematosus. <i>Food and Function</i> , 2020 , 11, 5266-5274	6.1	9
71	Toll-like receptor 7-driven lupus autoimmunity induces hypertension and vascular alterations in mice. <i>Journal of Hypertension</i> , 2020 , 38, 1322-1335	1.9	9
70	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> , 2020 , 64, e1900616	5.9	53
69	Changes to the gut microbiota induced by losartan contributes to its antihypertensive effects. <i>British Journal of Pharmacology</i> , 2020 , 177, 2006-2023	8.6	22
68	Mycophenolate Improves Brain-Gut Axis Inducing Remodeling of Gut Microbiota in DOCA-Salt Hypertensive Rats. <i>Antioxidants</i> , 2020 , 9,	7.1	2
67	Probiotic Bifidobacterium breve prevents DOCA-salt hypertension. <i>FASEB Journal</i> , 2020 , 34, 13626-13640	4.9	17
66	CECT5716: a novel alternative for the prevention of vascular disorders in a mouse model of systemic lupus erythematosus. <i>FASEB Journal</i> , 2019 , 33, 10005-10018	0.9	32
65	Role of the immune system in vascular function and blood pressure control induced by faecal microbiota transplantation in rats. <i>Acta Physiologica</i> , 2019 , 227, e13285	5.6	50
64	Critical Role of the Interaction Gut Microbiota - Sympathetic Nervous System in the Regulation of Blood Pressure. <i>Frontiers in Physiology</i> , 2019 , 10, 231	4.6	89
63	The Role of Nrf2 Signaling in PPAR γ -Mediated Vascular Protection against Hyperglycemia-Induced Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 5852706	6.7	22
62	Thyroid hormones stimulate L-arginine transport in human endothelial cells. <i>Journal of Endocrinology</i> , 2018 , 239, 49-62	4.7	10

61	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> , 2018 , 62, e1800298	5.9	35
60	<i>Lactobacillus fermentum</i> Improves Tacrolimus-Induced Hypertension by Restoring Vascular Redox State and Improving eNOS Coupling. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800033	5.9	45
59	Activation of Peroxisome Proliferator Activator Receptor γ Improves Endothelial Dysfunction and Protects Kidney in Murine Lupus. <i>Hypertension</i> , 2017 , 69, 641-650	8.5	18
58	Antihypertensive effects of peroxisome proliferator-activated receptor- γ activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H189-H200	5.2	22
57	Antihypertensive Effects of Probiotics. <i>Current Hypertension Reports</i> , 2017 , 19, 26	4.7	72
56	Role of endoplasmic reticulum stress in the protective effects of PPAR γ activation on endothelial dysfunction induced by plasma from patients with lupus. <i>Arthritis Research and Therapy</i> , 2017 , 19, 268	5.7	6
55	Antihypertensive effects of oleuropein-enriched olive leaf extract in spontaneously hypertensive rats. <i>Food and Function</i> , 2016 , 7, 584-93	6.1	45
54	Role of UCP2 in the protective effects of PPAR γ activation on lipopolysaccharide-induced endothelial dysfunction. <i>Biochemical Pharmacology</i> , 2016 , 110-111, 25-36	6	18
53	Vascular and Central Activation of Peroxisome Proliferator-Activated Receptor- γ Attenuates Angiotensin II-Induced Hypertension: Role of RGS-5. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 358, 151-63	4.7	15
52	Kv7 channels critically determine coronary artery reactivity: left-right differences and down-regulation by hyperglycaemia. <i>Cardiovascular Research</i> , 2015 , 106, 98-108	9.9	46
51	180 Endothelial microparticles prevent lipid-induced endothelial dysfunction through activation of AKT/ENOS signalling pathway and attenuation of oxidative stress. <i>Heart</i> , 2015 , 101, A102.1-A102	5.1	
50	Development of urea and thiourea kynurenamine derivatives: synthesis, molecular modeling, and biological evaluation as nitric oxide synthase inhibitors. <i>ChemMedChem</i> , 2015 , 10, 874-82	3.7	28
49	Carnitine palmitoyltransferase-1 up-regulation by PPAR- γ prevents lipid-induced endothelial dysfunction. <i>Clinical Science</i> , 2015 , 129, 823-37	6.5	33
48	Antihypertensive effects of probiotics <i>Lactobacillus</i> strains in spontaneously hypertensive rats. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 2326-36	5.9	115
47	Chronic peroxisome proliferator-activated receptor γ agonist GW0742 prevents hypertension, vascular inflammatory and oxidative status, and endothelial dysfunction in diet-induced obesity. <i>Journal of Hypertension</i> , 2015 , 33, 1831-44	1.9	28
46	Effects of Arginase Inhibition in Hypertensive Hyperthyroid Rats. <i>American Journal of Hypertension</i> , 2015 , 28, 1464-72	2.3	5
45	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> , 2015 , 6, 409-14	6.1	31
44	Chronic hydroxychloroquine improves endothelial dysfunction and protects kidney in a mouse model of systemic lupus erythematosus. <i>Hypertension</i> , 2014 , 64, 330-7	8.5	79

43	The flavonoid quercetin induces acute vasodilator effects in healthy volunteers: correlation with beta-glucuronidase activity. <i>Pharmacological Research</i> , 2014 , 89, 11-8	10.2	62
42	The flavonoid quercetin reverses pulmonary hypertension in rats. <i>PLoS ONE</i> , 2014 , 9, e114492	3.7	52
41	PROTECTIVE EFFECTS OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR (PPAR)- α ACTIVATION ON LIPID-INDUCED ENDOTHELIAL DYSFUNCTION via CARNITINE PALMITOYL TRANSFERASE-1 UPREGULATION. <i>Heart</i> , 2014 , 100, A9.1-A9	5.1	
40	The probiotic <i>Lactobacillus coryniformis</i> CECT5711 reduces the vascular pro-oxidant and pro-inflammatory status in obese mice. <i>Clinical Science</i> , 2014 , 127, 33-45	6.5	86
39	PPAR α activation restores the high glucose-induced impairment of insulin signalling in endothelial cells. <i>British Journal of Pharmacology</i> , 2014 , 171, 3089-102	8.6	23
38	SIRT1 inhibits NADPH oxidase activation and protects endothelial function in the rat aorta: implications for vascular aging. <i>Biochemical Pharmacology</i> , 2013 , 85, 1288-96	6	144
37	Effects of peroxisome proliferator-activated receptor- α activation in endothelin-dependent hypertension. <i>Cardiovascular Research</i> , 2013 , 99, 622-31	9.9	21
36	Influence of thyroid state on cardiac and renal capillary density and glomerular morphology in rats. <i>Journal of Endocrinology</i> , 2013 , 216, 43-51	4.7	26
35	Epicatechin: endothelial function and blood pressure. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 8823-30	5.7	49
34	Activation of peroxisome proliferator-activated receptor- α (PPAR α) prevents endothelial dysfunction in type 1 diabetic rats. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 730-41	7.8	53
33	Different cardiovascular protective effects of quercetin administered orally or intraperitoneally in spontaneously hypertensive rats. <i>Food and Function</i> , 2012 , 3, 643-50	6.1	37
32	Glucuronidated quercetin lowers blood pressure in spontaneously hypertensive rats via deconjugation. <i>PLoS ONE</i> , 2012 , 7, e32673	3.7	76
31	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> , 2012 , 52, 70-9	7.8	128
30	Vascular deconjugation of quercetin glucuronide: the flavonoid paradox revealed?. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 1780-90	5.9	93
29	Lack of synergistic interaction between quercetin and catechin in systemic and pulmonary vascular smooth muscle. <i>British Journal of Nutrition</i> , 2011 , 105, 1287-93	3.6	15
28	Chronic (-)-epicatechin improves vascular oxidative and inflammatory status but not hypertension in chronic nitric oxide-deficient rats. <i>British Journal of Nutrition</i> , 2011 , 106, 1337-48	3.6	47
27	Antihypertensive effects of peroxisome proliferator-activated receptor- α activation in spontaneously hypertensive rats. <i>Hypertension</i> , 2011 , 58, 733-43	8.5	71
26	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> , 2011 , 300, H1133-40	5.2	125

25	Red wine polyphenols prevent endothelial dysfunction induced by endothelin-1 in rat aorta: role of NADPH oxidase. <i>Clinical Science</i> , 2011 , 120, 321-33	6.5	31
24	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> , 2010 , 332, 554-61	4.7	47
23	Vascular superoxide production by endothelin-1 requires Src non-receptor protein tyrosine kinase and MAPK activation. <i>Atherosclerosis</i> , 2010 , 212, 78-85	3.1	27
22	Lack of beneficial metabolic effects of quercetin in adult spontaneously hypertensive rats. <i>European Journal of Pharmacology</i> , 2010 , 627, 242-50	5.3	29
21	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> , 2009 , 130, 518-27	5.6	196
20	Quercetin inhibits vascular superoxide production induced by endothelin-1: Role of NADPH oxidase, uncoupled eNOS and PKC. <i>Atherosclerosis</i> , 2009 , 202, 58-67	3.1	108
19	Glucuronidated and sulfated metabolites of the flavonoid quercetin prevent endothelial dysfunction but lack direct vasorelaxant effects in rat aorta. <i>Atherosclerosis</i> , 2009 , 204, 34-9	3.1	99
18	Antihypertensive effects of the flavonoid quercetin. <i>Pharmacological Reports</i> , 2009 , 61, 67-75	3.9	197
17	Wine polyphenols improve endothelial function in large vessels of female spontaneously hypertensive rats. <i>Hypertension</i> , 2008 , 51, 1088-95	8.5	84
16	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> , 2008 , 74, 741-6	3.1	18
15	Polyphenols restore endothelial function in DOCA-salt hypertension: role of endothelin-1 and NADPH oxidase. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 462-73	7.8	89
14	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> , 2007 , 112, 183-91	6.5	64
13	Quercetin and isorhamnetin prevent endothelial dysfunction, superoxide production, and overexpression of p47phox induced by angiotensin II in rat aorta. <i>Journal of Nutrition</i> , 2007 , 137, 910-5	4.1	83
12	Genistein restores caveolin-1 and AT-1 receptor expression and vascular function in large vessels of ovariectomized hypertensive rats. <i>Menopause</i> , 2007 , 14, 933-40	2.5	19
11	Increased NADPH oxidase activity mediates spontaneous aortic tone in genetically hypertensive rats. <i>European Journal of Pharmacology</i> , 2006 , 544, 97-103	5.3	50
10	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> , 2005 , 102, 4637-42	11.5	53
9	Effects of quercetin treatment on vascular function in deoxycorticosterone acetate-salt hypertensive rats. Comparative study with verapamil. <i>Planta Medica</i> , 2004 , 70, 334-41	3.1	40
8	Cyclooxygenases 1, 2, and 3 and the production of prostaglandin I ₂ : investigating the activities of acetaminophen and cyclooxygenase-2-selective inhibitors in rat tissues. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 310, 642-7	4.7	40

7	Effects of chronic quercetin treatment on antioxidant defence system and oxidative status of deoxycorticosterone acetate-salt-hypertensive rats. <i>Molecular and Cellular Biochemistry</i> , 2004 , 259, 91-94.2	4.2	46
6	Involvement of protein kinase C and Na ⁺ /K ⁺ -ATPase in the contractile response induced by myricetin in rat isolated aorta. <i>Planta Medica</i> , 2002 , 68, 133-7	3.1	5
5	Effects of chronic chrysin treatment in spontaneously hypertensive rats. <i>Planta Medica</i> , 2002 , 68, 847-50.1	3.1	48
4	Protective effects of the flavonoid quercetin in chronic nitric oxide deficient rats. <i>Journal of Hypertension</i> , 2002 , 20, 1843-54	1.9	103
3	Vasorelaxant effects of the bioflavonoid chrysin in isolated rat aorta. <i>Planta Medica</i> , 2001 , 67, 567-9	3.1	44
2	Involvement of thromboxane A2 in the endothelium-dependent contractions induced by myricetin in rat isolated aorta. <i>British Journal of Pharmacology</i> , 1999 , 127, 1539-44	8.6	25
1	Effects of visnadine on rat isolated vascular smooth muscles. <i>Planta Medica</i> , 1997 , 63, 233-6	3.1	23