

# Miguel Romero PÃ©rez

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

3,387  
citations

126907

33  
h-index

155660

55  
g-index

79  
all docs

79  
docs citations

79  
times ranked

4641  
citing authors

#	ARTICLE	IF	CITATIONS
1	SIRT1 inhibits NADPH oxidase activation and protects endothelial function in the rat aorta: Implications for vascular aging. <i>Biochemical Pharmacology</i> , 2013, 85, 1288-1296.	4.4	169
2	Antihypertensive effects of probiotics <i>Lactobacillus</i> strains in spontaneously hypertensive rats. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 2326-2336.	3.3	156
3	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, 70-79.	2.9	154
4	Critical Role of the Interaction Gut Microbiota – Sympathetic Nervous System in the Regulation of Blood Pressure. <i>Frontiers in Physiology</i> , 2019, 10, 231.	2.8	148
5	Quercetin inhibits vascular superoxide production induced by endothelin-1: Role of NADPH oxidase, uncoupled eNOS and PKC. <i>Atherosclerosis</i> , 2009, 202, 58-67.	0.8	122
6	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.	3.3	113
7	Chronic Hydroxychloroquine Improves Endothelial Dysfunction and Protects Kidney in a Mouse Model of Systemic Lupus Erythematosus. <i>Hypertension</i> , 2014, 64, 330-337.	2.7	110
8	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.	4.3	109
9	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, 910-915.	2.9	98
10	Polyphenols restore endothelial function in DOCA-salt hypertension: Role of endothelin-1 and NADPH oxidase. <i>Free Radical Biology and Medicine</i> , 2007, 43, 462-473.	2.9	95
11	Wine Polyphenols Improve Endothelial Function in Large Vessels of Female Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2008, 51, 1088-1095.	2.7	95
12	Antihypertensive Effects of Probiotics. <i>Current Hypertension Reports</i> , 2017, 19, 26.	3.5	93
13	Antihypertensive Effects of Peroxisome Proliferator-Activated Receptor- $\beta$ Activation in Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2011, 58, 733-743.	2.7	80
14	Endothelial microparticles prevent lipid-induced endothelial damage via Akt/eNOS signaling and reduced oxidative stress. <i>FASEB Journal</i> , 2017, 31, 4636-4648.	0.5	71
15	<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.	3.3	71
16	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.	3.3	71
17	Antihypertensive effects of oleuropein-enriched olive leaf extract in spontaneously hypertensive rats. <i>Food and Function</i> , 2016, 7, 584-593.	4.6	67
18	<i>Lactobacillus fermentum</i> 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.	0.5	60

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19	CoQ deficiency causes disruption of mitochondrial sulfide oxidation, a new pathomechanism associated with this syndrome. <i>EMBO Molecular Medicine</i> , 2017, 9, 78-95.	6.9	59
20	The metabolic and vascular protective effects of olive ( <i>Olea europaea</i> L.) leaf extract in diet-induced obesity in mice are related to the amelioration of gut microbiota dysbiosis and to its immunomodulatory properties. <i>Pharmacological Research</i> , 2019, 150, 104487.	7.1	59
21	A novel role for small molecule glycomimetics in the protection against lipid-induced endothelial dysfunction: Involvement of Akt/eNOS and Nrf2/ARE signaling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3311-3322.	2.4	58
22	Changes to the gut microbiota induced by losartan contributes to its antihypertensive effects. <i>British Journal of Pharmacology</i> , 2020, 177, 2006-2023.	5.4	57
23	Chronic (R)-epicatechin improves vascular oxidative and inflammatory status but not hypertension in chronic nitric oxide-deficient rats. <i>British Journal of Nutrition</i> , 2011, 106, 1337-1348.	2.3	55
24	Endothelium-Dependent Vasodilator Effects of Peroxisome Proliferator-Activated Receptor $\delta$ Agonists via the Phosphatidylinositol-3 Kinase-Akt Pathway. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 554-561.	2.5	50
25	Vascular Hypoxic Preconditioning Relies on TRPV4-Dependent Calcium Influx and Proper Intercellular Gap Junctions Communication. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2241-2249.	2.4	49
26	Probiotic <i>Bifidobacterium breve</i> prevents DOCA-salt hypertension. <i>FASEB Journal</i> , 2020, 34, 13626-13640.	0.5	45
27	<i>Lactobacillus fermentum</i> CECT5716 ameliorates high fat diet-induced obesity in mice through modulation of gut microbiota dysbiosis. <i>Pharmacological Research</i> , 2021, 167, 105471.	7.1	43
28	Carnitine palmitoyltransferase-1 up-regulation by PPAR $\delta$ prevents lipid-induced endothelial dysfunction. <i>Clinical Science</i> , 2015, 129, 823-837.	4.3	42
29	Cardiovascular Effects of Flavonoids. <i>Current Medicinal Chemistry</i> , 2019, 26, 6991-7034.	2.4	41
30	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, 409-414.	4.6	40
31	Red wine polyphenols prevent endothelial dysfunction induced by endothelin-1 in rat aorta: role of NADPH oxidase. <i>Clinical Science</i> , 2011, 120, 321-333.	4.3	38
32	Antihypertensive Effects of Virgin Olive Oil (Unfiltered) Low Molecular Weight Peptides with ACE Inhibitory Activity in Spontaneously Hypertensive Rats. <i>Nutrients</i> , 2020, 12, 271.	4.1	34
33	PPAR $\delta$ activation restores the high glucose-induced impairment of insulin signalling in endothelial cells. <i>British Journal of Pharmacology</i> , 2014, 171, 3089-3102.	5.4	32
34	Lack of beneficial metabolic effects of quercetin in adult spontaneously hypertensive rats. <i>European Journal of Pharmacology</i> , 2010, 627, 242-250.	3.5	30
35	The Role of Nrf2 Signaling in PPAR $\delta$ -Mediated Vascular Protection against Hyperglycemia-Induced Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.	4.0	30
36	The prebiotic properties of <i>Hibiscus sabdariffa</i> extract contribute to the beneficial effects in diet-induced obesity in mice. <i>Food Research International</i> , 2020, 127, 108722.	6.2	30

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37	Vascular superoxide production by endothelin-1 requires Src non-receptor protein tyrosine kinase and MAPK activation. <i>Atherosclerosis</i> , 2010, 212, 78-85.	0.8	29
38	Genetic deletion of aquaporin-1 results in microcardia and low blood pressure in mouse with intact nitric oxide-dependent relaxation, but enhanced prostanoids-dependent relaxation. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 237-251.	2.8	29
39	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> , 2015, 33, 1831-1844.	0.5	29
40	The hypoglycemic effects of guava leaf ( <i>Psidium guajava</i> L.) extract are associated with improving endothelial dysfunction in mice with diet-induced obesity. <i>Food Research International</i> , 2017, 96, 64-71.	6.2	27
41	$\alpha$ -RA reduces DMQ/CoQ ratio and rescues the encephalopathic phenotype in $\alpha$ -CoQ9 <sup>R239X</sup> mice. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	27
42	Activation of Peroxisome Proliferator Activator Receptor $\alpha$ Improves Endothelial Dysfunction and Protects Kidney in Murine Lupus. <i>Hypertension</i> , 2017, 69, 641-650.	2.7	26
43	Antihypertensive effects of peroxisome proliferator-activated receptor $\alpha$ activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H189-H200.	3.2	26
44	Cardioprotective Effect of a Virgin Olive Oil Enriched with Bioactive Compounds in Spontaneously Hypertensive Rats. <i>Nutrients</i> , 2019, 11, 1728.	4.1	26
45	Role of UCP2 in the protective effects of PPAR $\alpha$ activation on lipopolysaccharide-induced endothelial dysfunction. <i>Biochemical Pharmacology</i> , 2016, 110-111, 25-36.	4.4	25
46	<i>Lactobacillus fermentum</i> CECT5716 prevents renal damage in the NZBWF1 mouse model of systemic lupus erythematosus. <i>Food and Function</i> , 2020, 11, 5266-5274.	4.6	25
47	Effects of peroxisome proliferator-activated receptor $\alpha$ activation in endothelin-dependent hypertension. <i>Cardiovascular Research</i> , 2013, 99, 622-631.	3.8	23
48	Protective vascular effects of quercitrin in acute TNBS-colitis in rats: the role of nitric oxide. <i>Food and Function</i> , 2017, 8, 2702-2711.	4.6	23
49	Regulation of NADPH-dependent Nitric Oxide and reactive oxygen species signalling in endothelial and melanoma cells by a photoactive NADPH analogue. <i>Oncotarget</i> , 2014, 5, 10650-10664.	1.8	22
50	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.	5.4	21
51	Mycophenolate mediated remodeling of gut microbiota and improvement of gut-brain axis in spontaneously hypertensive rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 135, 111189.	5.6	20
52	Endothelial Nitric Oxide Production Stimulated by the Bioflavonoid Chrysin in Rat Isolated Aorta. <i>Planta Medica</i> , 2005, 71, 829-834.	1.3	19
53	The Beneficial Effects of <i>Lippia Citriodora</i> Extract on Diet-Induced Obesity in Mice Are Associated with Modulation in the Gut Microbiota Composition. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000005.	3.3	19
54	Probiotics Prevent Hypertension in a Murine Model of Systemic Lupus Erythematosus Induced by Toll-Like Receptor 7 Activation. <i>Nutrients</i> , 2021, 13, 2669.	4.1	19

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55	Rational design of a fluorescent NADPH derivative imaging constitutive nitric-oxide synthases upon two-photon excitation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12526-12531.	7.1	18
56	N,N <sup>2</sup> -Disubstituted thiourea and urea derivatives: design, synthesis, docking studies and biological evaluation against nitric oxide synthase. MedChemComm, 2016, 7, 667-678.	3.4	18
57	Toll-like receptor 7-driven lupus autoimmunity induces hypertension and vascular alterations in mice. Journal of Hypertension, 2020, 38, 1322-1335.	0.5	18
58	Allium-Derived Compound Propyl Propane Thiosulfonate (PTSO) Attenuates Metabolic Alterations in Mice Fed a High-Fat Diet through Its Anti-Inflammatory and Prebiotic Properties. Nutrients, 2021, 13, 2595.	4.1	17
59	Vascular and Central Activation of Peroxisome Proliferator-Activated Receptor- $\alpha$ Attenuates Angiotensin II-Induced Hypertension: Role of RGS-5. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 151-163.	2.5	16
60	Thyroid hormones stimulate L-arginine transport in human endothelial cells. Journal of Endocrinology, 2018, 239, 49-62.	2.6	14
61	Synthesis, bioevaluation and docking studies of new imidamide derivatives as nitric oxide synthase inhibitors. Bioorganic and Medicinal Chemistry, 2021, 44, 116294.	3.0	13
62	Effects of BM-573 on Endothelial Dependent Relaxation and Increased Blood Pressure at Early Stages of Atherosclerosis. PLoS ONE, 2016, 11, e0152579.	2.5	12
63	Role of endoplasmic reticulum stress in the protective effects of PPAR $\alpha$ activation on endothelial dysfunction induced by plasma from patients with lupus. Arthritis Research and Therapy, 2017, 19, 268.	3.5	11
64	Changes in Gut Microbiota Induced by Doxycycline Influence in Vascular Function and Development of Hypertension in DOCA-Salt Rats. Nutrients, 2021, 13, 2971.	4.1	11
65	Mycophenolate Improves Brain-Gut Axis Inducing Remodeling of Gut Microbiota in DOCA-Salt Hypertensive Rats. Antioxidants, 2020, 9, 1199.	5.1	8
66	Gut Microbiota Has a Crucial Role in the Development of Hypertension and Vascular Dysfunction in Toll-like Receptor 7-Driven Lupus Autoimmunity. Antioxidants, 2021, 10, 1426.	5.1	8
67	The Antioxidant Activity of Thymus serpyllum Extract Protects against the Inflammatory State and Modulates Gut Dysbiosis in Diet-Induced Obesity in Mice. Antioxidants, 2022, 11, 1073.	5.1	8
68	Trimethylamine N-Oxide Promotes Autoimmunity and a Loss of Vascular Function in Toll-like Receptor 7-Driven Lupus Mice. Antioxidants, 2022, 11, 84.	5.1	7
69	Increased Klk9 Urinary Excretion Is Associated to Hypertension-Induced Cardiovascular Damage and Renal Alterations. Medicine (United States), 2015, 94, e1617.	1.0	4
70	Thiadiazoline- and Pyrazoline-Based Carboxamides and Carbothioamides: Synthesis and Inhibition against Nitric Oxide Synthase. Journal of Chemistry, 2018, 2018, 1-15.	1.9	4
71	Bioactive imidamide-based compounds targeted against nitric oxide synthase. Bioorganic Chemistry, 2022, 120, 105637.	4.1	4
72	The HERACLES Cardiovascular Network. Revista Espanola De Cardiologia (English Ed ), 2008, 61, 66-75.	0.6	1

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73	PROTECTIVE EFFECTS OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR (PPAR)- $\alpha$ ACTIVATION ON LIPID-INDUCED ENDOTHELIAL DYSFUNCTION via CARNITINE PALMITOYL TRANSFERASE-1 UPREGULATION. Heart, 2014, 100, A9.1-A9.	2.9	0
74	43 $\hat{a}$ €...A novel role for small molecule glycomimetics in the protection against lipid-induced endothelial dysfunction. Heart, 2015, 101, A14.2-A14.	2.9	0
75	TUTORIAL ACTION AND ORIENTATION FOR UNIVERSITY STUDENTS DURING THE COVID-19 PANDEMIC AT THE FACULTY OF PHARMACY OF THE UNIVERSITY OF GRANADA. EDULEARN Proceedings, 2021, , .	0.0	0
76	EFFECT OF COVID-19 ON THE PERFORMANCE INDICATORS AND SATISFACTION RATE IN THE DEGREE IN PHARMACY OF THE UNIVERSITY OF GRANADA. EDULEARN Proceedings, 2021, , .	0.0	0
77	TUTORGRADOS 2.0, AN INNOVATIVE PROJECT ORIENTED TO STUDENTS WITH EDUCATIONAL NEEDS. , 2020, , .		0
78	EVALUATION OF INDICATORS OF ACADEMIC PERFORMANCE AND LABOR INSERTION OF GRADUATES FOR DEGREE IN PHARMACY: MAKING PROGRESS TOWARDS A QUALITY FUTURE. EDULEARN Proceedings, 2020, , .	0.0	0