

Francine Z Marques

List of Publications by Citations

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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.

86

papers

2,533

citations

27

h-index

49

g-index

106

ext. papers

3,401

ext. citations

6.3

avg, IF

5.42

L-index

#	Paper	IF	Citations
86	High-Fiber Diet and Acetate Supplementation Change the Gut Microbiota and Prevent the Development of Hypertension and Heart Failure in Hypertensive Mice. <i>Circulation</i> , 2017 , 135, 964-977	16.7	415
85	Beyond gut feelings: how the gut microbiota regulates blood pressure. <i>Nature Reviews Cardiology</i> , 2018 , 15, 20-32	14.8	177
84	Gene expression profiling reveals renin mRNA overexpression in human hypertensive kidneys and a role for microRNAs. <i>Hypertension</i> , 2011 , 58, 1093-8	8.5	171
83	Resveratrol: cellular actions of a potent natural chemical that confers a diversity of health benefits. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 2125-8	5.6	122
82	The transcardiac gradient of cardio-microRNAs in the failing heart. <i>European Journal of Heart Failure</i> , 2016 , 18, 1000-8	12.3	107
81	Exercise: putting action into our epigenome. <i>Sports Medicine</i> , 2014 , 44, 189-209	10.6	88
80	MAOA-uVNTR polymorphism in a Brazilian sample: further support for the association with impulsive behaviors and alcohol dependence. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2006 , 141B, 305-8	3.5	81
79	Longer leukocyte telomeres are associated with ultra-endurance exercise independent of cardiovascular risk factors. <i>PLoS ONE</i> , 2013 , 8, e69377	3.7	69
78	Acute exercise leads to regulation of telomere-associated genes and microRNA expression in immune cells. <i>PLoS ONE</i> , 2014 , 9, e92088	3.7	63
77	Deficiency of Prebiotic Fiber and Insufficient Signaling Through Gut Metabolite-Sensing Receptors Leads to Cardiovascular Disease. <i>Circulation</i> , 2020 , 141, 1393-1403	16.7	58
76	A novel interaction between sympathetic overactivity and aberrant regulation of renin by miR-181a in BPH/2J genetically hypertensive mice. <i>Hypertension</i> , 2013 , 62, 775-81	8.5	56
75	Changes in the leukocyte methylome and its effect on cardiovascular-related genes after exercise. <i>Journal of Applied Physiology</i> , 2015 , 118, 475-88	3.7	54
74	Meta-analysis of genome-wide gene expression differences in onset and maintenance phases of genetic hypertension. <i>Hypertension</i> , 2010 , 56, 319-24	8.5	50
73	Molecular characterization of renin-angiotensin system components in human intrauterine tissues and fetal membranes from vaginal delivery and cesarean section. <i>Placenta</i> , 2011 , 32, 214-21	3.4	48
72	Small molecules, big effects: the role of microRNAs in regulation of cardiomyocyte death. <i>Cell Death and Disease</i> , 2014 , 5, e1325	9.8	41
71	Fetal sex affects expression of renin-angiotensin system components in term human decidua. <i>Endocrinology</i> , 2012 , 153, 462-8	4.8	38
70	Epigenetic changes in leukocytes after 8 weeks of resistance exercise training. <i>European Journal of Applied Physiology</i> , 2016 , 116, 1245-53	3.4	36

69	Signatures of miR-181a on the Renal Transcriptome and Blood Pressure. <i>Molecular Medicine</i> , 2015 , 21, 739-748	6.2	35
68	Leukocyte telomere length variation due to DNA extraction method. <i>BMC Research Notes</i> , 2014 , 7, 877	2.3	34
67	The emerging role of non-coding RNA in essential hypertension and blood pressure regulation. <i>Journal of Human Hypertension</i> , 2015 , 29, 459-67	2.6	33
66	Experimental and Human Evidence for Lipocalin-2 (Neutrophil Gelatinase-Associated Lipocalin [NGAL]) in the Development of Cardiac Hypertrophy and heart failure. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	32
65	The effect of diet on hypertensive pathology: is there a link via gut microbiota-driven immunometabolism?. <i>Cardiovascular Research</i> , 2019 , 115, 1435-1447	9.9	31
64	Polymorphisms in the DBH and DRD2 gene regions and smoking behavior. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2006 , 256, 93-7	5.1	31
63	A polymorphism in the norepinephrine transporter gene is associated with affective and cardiovascular disease through a microRNA mechanism. <i>Molecular Psychiatry</i> , 2017 , 22, 134-141	15.1	30
62	Resveratrol, by modulating RNA processing factor levels, can influence the alternative splicing of pre-mRNAs. <i>PLoS ONE</i> , 2011 , 6, e28926	3.7	29
61	The gut microbiota and blood pressure in experimental models. <i>Current Opinion in Nephrology and Hypertension</i> , 2019 , 28, 97-104	3.5	28
60	The role of the gut microbiome in sex differences in arterial pressure. <i>Biology of Sex Differences</i> , 2019 , 10, 22	9.3	27
59	The molecular basis of longevity, and clinical implications. <i>Maturitas</i> , 2010 , 65, 87-91	5	25
58	Guidelines for Transparency on Gut Microbiome Studies in Essential and Experimental Hypertension. <i>Hypertension</i> , 2019 , 74, 1279-1293	8.5	24
57	Global identification of the genes and pathways differentially expressed in hypothalamus in early and established neurogenic hypertension. <i>Physiological Genomics</i> , 2011 , 43, 766-71	3.6	24
56	Is there a role for rare variants in DRD4 gene in the susceptibility for ADHD? Searching for an effect of allelic heterogeneity. <i>Molecular Psychiatry</i> , 2012 , 17, 520-6	15.1	23
55	Influence of the serotonin transporter gene on comorbid disorders among alcohol-dependent individuals. <i>Psychiatric Genetics</i> , 2006 , 16, 125-31	2.9	23
54	microRNAs in Essential Hypertension and Blood Pressure Regulation. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 888, 215-35	3.6	22
53	Genes influencing circadian differences in blood pressure in hypertensive mice. <i>PLoS ONE</i> , 2011 , 6, e19203	3.7	22
52	Response to methylphenidate is not influenced by DAT1 polymorphisms in a sample of Brazilian adult patients with ADHD. <i>Journal of Neural Transmission</i> , 2010 , 117, 269-76	4.3	21

51	Further evidence for the association between a polymorphism in the promoter region of SLC6A3/DAT1 and ADHD: findings from a sample of adults. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2014 , 264, 401-8	5.1	20
50	Serotonin transporter gene polymorphism and the phenotypic heterogeneity of adult ADHD. <i>Journal of Neural Transmission</i> , 2007 , 114, 1631-6	4.3	20
49	Measurement of absolute copy number variation reveals association with essential hypertension. <i>BMC Medical Genomics</i> , 2014 , 7, 44	3.7	19
48	Microbial Peer Pressure: The Role of the Gut Microbiota in Hypertension and Its Complications. <i>Hypertension</i> , 2020 , 76, 1674-1687	8.5	19
47	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021 , 27, 1885-1892	50.5	19
46	ADRA2A polymorphisms and ADHD in adults: possible mediating effect of personality. <i>Psychiatry Research</i> , 2011 , 186, 345-50	9.9	16
45	The Emerging Role of Gut Dysbiosis in Cardio-metabolic Risk Factors for Heart Failure. <i>Current Hypertension Reports</i> , 2020 , 22, 38	4.7	15
44	Tobacco smoking and the ADRA2A C-1291G polymorphism. <i>Journal of Neural Transmission</i> , 2007 , 114, 1503-6	4.3	15
43	Circulating microRNAs, Vascular Risk, and Physical Activity in Spinal Cord-Injured Subjects. <i>Journal of Neurotrauma</i> , 2019 , 36, 845-852	5.4	14
42	A polymorphism in the noradrenaline transporter gene is associated with increased blood pressure in patients with resistant hypertension. <i>Journal of Hypertension</i> , 2018 , 36, 1571-1577	1.9	13
41	Telomere dynamics during aging in polygenic left ventricular hypertrophy. <i>Physiological Genomics</i> , 2016 , 48, 42-9	3.6	13
40	Regulation of the human placental (pro)renin receptor-prorenin-angiotensin system by microRNAs. <i>Molecular Human Reproduction</i> , 2018 , 24, 453-464	4.4	12
39	The Gut Microbiome of Heart Failure With Preserved Ejection Fraction. <i>Journal of the American Heart Association</i> , 2021 , 10, e020654	6	11
38	Mechanisms Responsible for Genetic Hypertension in Schlager BPH/2 Mice. <i>Frontiers in Physiology</i> , 2019 , 10, 1311	4.6	10
37	Renal nerves contribute to hypertension in Schlager BPH/2J mice. <i>Hypertension Research</i> , 2019 , 42, 306-318	3.8	10
36	Diet-related gut microbial metabolites and sensing in hypertension. <i>Journal of Human Hypertension</i> , 2021 , 35, 162-169	2.6	10
35	Missing Heritability of Hypertension and Our Microbiome. <i>Circulation</i> , 2018 , 138, 1381-1383	16.7	10
34	Hormesis as a pro-healthy aging intervention in human beings?. <i>Dose-Response</i> , 2009 , 8, 28-33	2.3	9

33	Neurogenic hypertension: revelations from genome-wide gene expression profiling. <i>Current Hypertension Reports</i> , 2012 , 14, 485-91	4.7	8
32	Circadian Differences in the Contribution of the Brain Renin-Angiotensin System in Genetically Hypertensive Mice. <i>Frontiers in Physiology</i> , 2018 , 9, 231	4.6	7
31	The GNB3 C825T polymorphism and depression among subjects with alcohol dependence. <i>Journal of Neural Transmission</i> , 2007 , 114, 469-72	4.3	7
30	Essential Hypertension Is Associated With Changes in Gut Microbial Metabolic Pathways: A Multisite Analysis of Ambulatory Blood Pressure. <i>Hypertension</i> , 2021 , 78, 804-815	8.5	7
29	Age-Related Differential Structural and Transcriptomic Responses in the Hypertensive Heart. <i>Frontiers in Physiology</i> , 2018 , 9, 817	4.6	6
28	Commentary on resveratrol and hormesis: resveratrol--a hormetic marvel in waiting?. <i>Human and Experimental Toxicology</i> , 2010 , 29, 1026-8	3.4	6
27	Population-Based Gut Microbiome Associations With Hypertension. <i>Circulation Research</i> , 2018 , 123, 1185-1187	5.1	6
26	Dietary Interventions Reduce Traditional and Novel Cardiovascular Risk Markers by Altering the Gut Microbiome and Their Metabolites. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 691564	5.4	5
25	Neural suppression of miRNA-181a in the kidney elevates renin expression and exacerbates hypertension in Schlager mice. <i>Hypertension Research</i> , 2020 , 43, 1152-1164	4.7	4
24	Tripartite motif-containing 55 identified as functional candidate for spontaneous cardiac hypertrophy in the rat locus cardiac mass 22. <i>Journal of Hypertension</i> , 2016 , 34, 950-8	1.9	4
23	N-Acetylcysteine Attenuates the Development of Renal Fibrosis in Transgenic Mice with Dilated Cardiomyopathy. <i>Scientific Reports</i> , 2017 , 7, 17718	4.9	4
22	Impact, Strategies, and Opportunities for Early and Midcareer Cardiovascular Researchers During the COVID-19 Pandemic. <i>Circulation</i> , 2020 , 141, 1838-1840	16.7	3
21	Involvement of human monogenic cardiomyopathy genes in experimental polygenic cardiac hypertrophy. <i>Physiological Genomics</i> , 2018 , 50, 680-687	3.6	3
20	Positive allosteric modulation of GABAA receptors attenuates high blood pressure in Schlager hypertensive mice. <i>Journal of Hypertension</i> , 2017 , 35, 546-557	1.9	3
19	Letter by Marques and Morris regarding article, "Signature microRNA expression profile of essential hypertension and its novel link to human cytomegalovirus infection". <i>Circulation</i> , 2012 , 125, e337; author reply e338-9	16.7	3
18	Manipulation of the gut microbiota by the use of prebiotic fibre does not override a genetic predisposition to heart failure. <i>Scientific Reports</i> , 2020 , 10, 17919	4.9	3
17	Renal ACE2 (Angiotensin-Converting Enzyme 2) Expression Is Modulated by Dietary Fiber Intake, Gut Microbiota, and Their Metabolites. <i>Hypertension</i> , 2021 , 77, e53-e55	8.5	3
16	Plasma lipocalin-2/NGAL is stable over 12 weeks and is not modulated by exercise or dieting. <i>Scientific Reports</i> , 2021 , 11, 4056	4.9	3

15	Rodent models of hypertension. <i>British Journal of Pharmacology</i> , 2021 ,	8.6	3
14	The Gut Microbiota and Their Metabolites in Human Arterial Stiffness. <i>Heart Lung and Circulation</i> , 2021 , 30, 1716-1725	1.8	3
13	Gut Microbiota and Their Metabolites in Stroke: A Double-Edged Sword.. <i>Stroke</i> , 2022 , STROKEAHA1210368002	3.6	1
12	Microbial Interventions to Control and Reduce Blood Pressure in Australia (MICRoBIA): rationale and design of a double-blinded randomised cross-over placebo controlled trial. <i>Trials</i> , 2021 , 22, 496	2.8	2
11	Manipulating Microbiota to Treat Atopic Dermatitis: Functions and Therapies. <i>Pathogens</i> , 2022 , 11, 642	4.5	2
10	Lack of Strategic Funding and Long-Term Job Security Threaten to Have Profound Effects on Cardiovascular Researcher Retention in Australia. <i>Heart Lung and Circulation</i> , 2020 , 29, 1588-1595	1.8	1
9	Fetal growth restriction shortens cardiac telomere length, but this is attenuated by exercise in early life. <i>Physiological Genomics</i> , 2018 , 50, 956-963	3.6	1
8	Deficiency of MicroRNA-181a Results in Transcriptome-Wide Cell-Specific Changes in the Kidney and Increases Blood Pressure. <i>Hypertension</i> , 2021 , 78, 1322-1334	8.5	1
7	Highlights from the International Society of Hypertension's New Investigators Network during 2019. <i>Journal of Hypertension</i> , 2020 , 38, 968-973	1.9	0
6	Characterization of Cardiac Sympathetic Nervous System and Inflammatory Activation in HFpEF Patients.. <i>JACC Basic To Translational Science</i> , 2022 , 7, 116-127	8.7	0
5	[PS 01-07] THE EFFECT OF GENES INVOLVED IN MONOGENIC HUMAN CARDIOMYOPATHIES IN A POLYGENIC MODEL OF CARDIAC HYPERTROPHY. <i>Journal of Hypertension</i> , 2016 , 34, e98	1.9	
4	MPS 13-02 DIETARY FIBRE INTAKE PREVENTS HYPERTENSION AND IMPROVES RENAL FUNCTION IN A MINERALOCORTICOID-EXCESS MODEL. <i>Journal of Hypertension</i> , 2016 , 34, e408	1.9	
3	Hypotensive Effects of Ganaxolone are Associated with an Upregulation of GABAA Receptor Subunit Expression in Male Hypertensive Schlager Mice. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
2	Pharmacogenetics of the Androgen Metabolic Pathway 2010 , 109-121		
1	Diurnal difference in sympathetic stimulation and microRNA regulation of renin in Schlager hypertensive mice. <i>FASEB Journal</i> , 2013 , 27, 695.13	0.9	