

# Jussara M Do Carmo

## 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.

79  
papers

2,548  
citations

23  
h-index

50  
g-index

87  
ext. papers

3,122  
ext. citations

3.8  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
79	Impact of Mineralocorticoid Receptor and Angiotensin II Type 1 Receptor Antagonism on Blood Pressure Regulation in Obese Zucker Rats: Role of Sex Differences. <i>American Journal of Hypertension</i> , <b>2021</b> , 34, 999-1005	2.3	1
78	Obesity, kidney dysfunction, and inflammation: interactions in hypertension. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 1859-1876	9.9	16
77	Direct Cardiac Actions of the Sodium Glucose Co-Transporter 2 Inhibitor Empagliflozin Improve Myocardial Oxidative Phosphorylation and Attenuate Pressure-Overload Heart Failure. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e018298	6	13
76	MicroRNA-21 Modulates White Adipose Tissue Browning and Altered Thermogenesis in a Mouse Model of Polycystic Ovary Syndrome. <i>Journal of the Endocrine Society</i> , <b>2021</b> , 5, A775-A776	0.4	78
75	Chronic CNS-mediated cardiometabolic actions of leptin: potential role of sex differences. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 320, R173-R181	3.2	3
74	Restoration of Cardiac Function After Myocardial Infarction by Long-Term Activation of the CNS Leptin-Melanocortin System. <i>JACC Basic To Translational Science</i> , <b>2021</b> , 6, 55-70	8.7	6
73	Chronic Antidiabetic Actions of Leptin: Evidence From Parabiosis Studies for a CNS-Derived Circulating Antidiabetic Factor. <i>Diabetes</i> , <b>2021</b> , 70, 2264-2274	0.9	1
72	Sex differences in the impact of parental obesity on offspring cardiac SIRT3 expression, mitochondrial efficiency, and diastolic function early in life. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 321, H485-H495	5.2	0
71	Dimethyl fumarate preserves left ventricular infarct integrity following myocardial infarction via modulation of cardiac macrophage and fibroblast oxidative metabolism. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2021</b> , 158, 38-48	5.8	3
70	Role of Hyperinsulinemia and Insulin Resistance in Hypertension: Metabolic Syndrome Revisited. <i>Canadian Journal of Cardiology</i> , <b>2020</b> , 36, 671-682	3.8	46
69	Mechanisms of Synergistic Interactions of Diabetes and Hypertension in Chronic Kidney Disease: Role of Mitochondrial Dysfunction and ER Stress. <i>Current Hypertension Reports</i> , <b>2020</b> , 22, 15	4.7	12
68	TRPC6 deficiency causes increased body weight and glucose intolerance in mice fed a normal diet but does not amplify the obesogenic effect of a high fat diet. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	
67	CNS Regulation of Glucose Homeostasis: Role of the Leptin-Melanocortin System. <i>Current Diabetes Reports</i> , <b>2020</b> , 20, 29	5.6	9
66	In search for potential antidiabetic compounds from natural sources: docking, synthesis and biological screening of small molecules from . (Goji). <i>Heliyon</i> , <b>2020</b> , 6, e02782	3.6	4
65	Obesity, kidney dysfunction and hypertension: mechanistic links. <i>Nature Reviews Nephrology</i> , <b>2019</b> , 15, 367-385	14.9	171
64	Melanocortin-4 Receptors and Sympathetic Nervous System Activation in Hypertension. <i>Current Hypertension Reports</i> , <b>2019</b> , 21, 46	4.7	17
63	Role of SOCS3 in POMC neurons in metabolic and cardiovascular regulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R338-R351	3.2	6

62	Impact of leptin deficiency compared with neuronal-specific leptin receptor deletion on cardiometabolic regulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 317, R552-R562	3.2	7
61	TRPC6 deficiency causes obesity and metabolic dysfunction. <i>FASEB Journal</i> , <b>2019</b> , 33, 753.1	0.9	1
60	Metabolic and cardiovascular responses to chronic intermittent hypoxia and hypercapnia. <i>FASEB Journal</i> , <b>2019</b> , 33, 533.4	0.9	
59	Chronic Intracerebroventricular Leptin Infusion Attenuates Cardiac Dysfunction After Myocardial Infarction. <i>FASEB Journal</i> , <b>2019</b> , 33, 830.6	0.9	
58	Differential Regulation of Cardiac Substrate Utilization in Response to Chronic Central Nervous System Administration of Leptin and Melanotan II in Rats with Myocardial Infarction. <i>FASEB Journal</i> , <b>2019</b> , 33, 532.10	0.9	
57	Role of melanocortin 4 receptor in hypertension induced by chronic intermittent hypoxia. <i>Acta Physiologica</i> , <b>2019</b> , 225, e13222	5.6	4
56	Neuronal Suppressor of Cytokine Signaling 3: Role in Modulating Chronic Metabolic and Cardiovascular Effects of Leptin. <i>Hypertension</i> , <b>2018</b> , 71, 1248-1257	8.5	5
55	Control of appetite, blood glucose, and blood pressure during melanocortin-4 receptor activation in normoglycemic and diabetic NPY-deficient mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 314, R533-R539	3.2	4
54	Obesity and Metabolic Syndrome Hypertension. <i>Updates in Hypertension and Cardiovascular Protection</i> , <b>2018</b> , 705-722	0.1	3
53	Evidence for a circulating factor released by the brain that contributes to chronic antidiabetic actions of leptin. <i>FASEB Journal</i> , <b>2018</b> , 32, 603.3	0.9	
52	Role of Suppressor of Cytokine Signaling 3 (SOCS3) in POMC Neurons in Metabolic and Cardiovascular Regulation during Chronic Leptin Infusion. <i>FASEB Journal</i> , <b>2018</b> , 32, 732.8	0.9	
51	CNS-Specific Leptin Receptor Deficiency Impairs Cardiac Reserve. <i>FASEB Journal</i> , <b>2018</b> , 32, 848.10	0.9	
50	Role of Melanocortin-4 Receptor Activation in Hypertension Induced by Chronic Intermittent Hypoxia. <i>FASEB Journal</i> , <b>2018</b> , 32, 727.6	0.9	
49	Increased sleep time and reduced energy expenditure contribute to obesity after ovariectomy and a high fat diet. <i>Life Sciences</i> , <b>2018</b> , 212, 119-128	6.8	2
48	Role of PTP1B in POMC neurons during chronic high-fat diet: sex differences in regulation of liver lipids and glucose tolerance. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 314, R478-R488	3.2	10
47	Role of the brain melanocortins in blood pressure regulation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 2508-2514	6.9	17
46	Changes in ambient temperature elicit divergent control of metabolic and cardiovascular actions by leptin. <i>FASEB Journal</i> , <b>2017</b> , 31, 2418-2428	0.9	5
45	Role of autonomic nervous system in chronic CNS-mediated antidiabetic action of leptin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2017</b> , 312, E420-E428	6	12

44	Synergistic Interaction of Hypertension and Diabetes in Promoting Kidney Injury and the Role of Endoplasmic Reticulum Stress. <i>Hypertension</i> , <b>2017</b> , 69, 879-891	8.5	26
43	Leptin reverses hyperglycemia and hyperphagia in insulin deficient diabetic rats by pituitary-independent central nervous system actions. <i>PLoS ONE</i> , <b>2017</b> , 12, e0184805	3.7	10
42	Obesity-Induced Hypertension: Brain Signaling Pathways. <i>Current Hypertension Reports</i> , <b>2016</b> , 18, 58	4.7	38
41	Regulation of Blood Pressure, Appetite, and Glucose by CNS Melanocortin System in Hyperandrogenemic Female SHR. <i>American Journal of Hypertension</i> , <b>2016</b> , 29, 832-40	2.3	1
40	Regulation of Blood Pressure, Appetite, and Glucose by Leptin After Inactivation of Insulin Receptor Substrate 2 Signaling in the Entire Brain or in Proopiomelanocortin Neurons. <i>Hypertension</i> , <b>2016</b> , 67, 378-86	8.5	22
39	Roles for the sympathetic nervous system, renal nerves, and CNS melanocortin-4 receptor in the elevated blood pressure in hyperandrogenemic female rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 308, R708-13	3.2	30
38	Brain-mediated antidiabetic, anorexic, and cardiovascular actions of leptin require melanocortin-4 receptor signaling. <i>Journal of Neurophysiology</i> , <b>2015</b> , 113, 2786-91	3.2	19
37	Obesity-induced hypertension: interaction of neurohumoral and renal mechanisms. <i>Circulation Research</i> , <b>2015</b> , 116, 991-1006	15.7	571
36	Obesity-induced changes in kidney mitochondria and endoplasmic reticulum in the presence or absence of leptin. <i>American Journal of Physiology - Renal Physiology</i> , <b>2015</b> , 309, F731-43	4.3	15
35	Role of hindbrain melanocortin-4 receptor activity in controlling cardiovascular and metabolic functions in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , <b>2015</b> , 33, 1201-6	1.9	4
34	Pyridostigmine prevents haemodynamic alterations but does not affect their nycthemeral oscillations in infarcted mice. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2015</b> , 187, 50-5	2.4	6
33	Chronic central nervous system MC3/4R blockade attenuates hypertension induced by nitric oxide synthase inhibition but not by angiotensin II infusion. <i>Hypertension</i> , <b>2015</b> , 65, 171-7	8.5	15
32	Effects of Hyperandrogenemia on Cardiovascular and Metabolic Responses to Chronic Melanocortin-4 Receptor Blockade in Female SHR. <i>FASEB Journal</i> , <b>2015</b> , 29, 647.2	0.9	
31	Interaction of Hypertension and Diabetes in Progressive Nephropathy: Role of ER Stress. <i>FASEB Journal</i> , <b>2015</b> , 29, 959.9	0.9	
30	Postmenopausal hypertension: role of the sympathetic nervous system in an animal model. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 306, R248-56	3.2	37
29	Pyridostigmine restores cardiac autonomic balance after small myocardial infarction in mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e104476	3.7	23
28	The brain melanocortin system, sympathetic control, and obesity hypertension. <i>Physiology</i> , <b>2014</b> , 29, 196-202	9.8	31
27	Obesity, hypertension, and chronic kidney disease. <i>International Journal of Nephrology and Renovascular Disease</i> , <b>2014</b> , 7, 75-88	2.5	258

26	Shp2 signaling in POMC neurons is important for leptin actions on blood pressure, energy balance, and glucose regulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 307, R1438-47	3.2	24
25	Control of metabolic and cardiovascular function by the leptin-brain melanocortin pathway. <i>IUBMB Life</i> , <b>2013</b> , 65, 692-8	4.7	26
24	Role of proopiomelanocortin neuron Stat3 in regulating arterial pressure and mediating the chronic effects of leptin. <i>Hypertension</i> , <b>2013</b> , 61, 1066-74	8.5	26
23	Differential control of metabolic and cardiovascular functions by melanocortin-4 receptors in proopiomelanocortin neurons. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2013</b> , 305, R359-68	3.2	25
22	Role of leptin and central nervous system melanocortins in obesity hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , <b>2013</b> , 22, 135-40	3.5	49
21	Inhibitor B kinase 2 is a myosin light chain kinase B in vascular smooth muscle. <i>Circulation Research</i> , <b>2013</b> , 113, 562-70	15.7	11
20	Role of the kidney in hypertension <b>2013</b> , 66-83		
19	Hypophysectomy attenuates leptin-induced tachycardia without affecting leptin action on appetite and body weight.. <i>FASEB Journal</i> , <b>2013</b> , 27, 1123.12	0.9	
18	Inhibition of soluble epoxide hydrolase reduces food intake and increases metabolic rate in obese mice. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2012</b> , 22, 598-604	4.5	20
17	Hypertension: physiology and pathophysiology. <i>Comprehensive Physiology</i> , <b>2012</b> , 2, 2393-442	7.7	145
16	Activation of the central melanocortin system contributes to the increased arterial pressure in obese Zucker rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2012</b> , 302, R561-7	3.2	34
15	Effect of acetylcholinesterase inhibition with pyridostigmine on cardiovascular parameters in mice with myocardial infarction. <i>FASEB Journal</i> , <b>2012</b> , 26, 703.5	0.9	
14	Metabolic and appetite responses to fasting and refeeding in mice with Shp2 deletion in forebrain neurons. <i>FASEB Journal</i> , <b>2012</b> , 26, 877.2	0.9	
13	AT1 receptor antagonism but not mineralocorticoid receptor blockade lowers blood pressure in obese Zucker rats. <i>FASEB Journal</i> , <b>2012</b> , 26, 1093.6	0.9	
12	Ganglionic blockade does not impair the chronic CNS-mediated antidiabetic action of leptin in streptozotocin-induced diabetic rats. <i>FASEB Journal</i> , <b>2012</b> , 26, 1128.3	0.9	1
11	Control of blood pressure, appetite, and glucose by leptin in mice lacking leptin receptors in proopiomelanocortin neurons. <i>Hypertension</i> , <b>2011</b> , 57, 918-26	8.5	101
10	Systemic but not central nervous system nitric oxide synthase inhibition exacerbates the hypertensive effects of chronic melanocortin-3/4 receptor activation. <i>Hypertension</i> , <b>2011</b> , 57, 428-34	8.5	16
9	Obesity-induced hypertension: role of sympathetic nervous system, leptin, and melanocortins. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 17271-6	5.4	325

8	Chronic CNS actions of adiponectin on appetite, metabolism and blood pressure. <i>FASEB Journal</i> , <b>2010</b> , 24, 780.1	0.9	
7	Central NPY deficiency does not enhance the chronic actions of melanocortin 3 and 4 receptors (MC3/4R) activation on glucose homeostasis, appetite and cardiovascular function in diabetic mice. <i>FASEB Journal</i> , <b>2010</b> , 24, 597.6	0.9	
6	A functional melanocortin system may be required for chronic CNS-mediated antidiabetic and cardiovascular actions of leptin. <i>Diabetes</i> , <b>2009</b> , 58, 1749-56	0.9	42
5	Impact of obesity on renal structure and function in the presence and absence of hypertension: evidence from melanocortin-4 receptor-deficient mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2009</b> , 297, R803-12	3.2	37
4	Endogenous melanocortin system activity contributes to the elevated arterial pressure in spontaneously hypertensive rats. <i>Hypertension</i> , <b>2008</b> , 51, 884-90	8.5	68
3	Chronic central leptin infusion restores cardiac sympathetic-vagal balance and baroreflex sensitivity in diabetic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H1974-81	5.2	35
2	Chronic MC3/4R activation does not mimic the actions of leptin on baroreceptor sensitivity and heart rate regulation in diabetic rats. <i>FASEB Journal</i> , <b>2008</b> , 22, 947.5	0.9	
1	Cardiovascular function and metabolism in old melanocortin-4 receptor deficient obese mice.. <i>FASEB Journal</i> , <b>2008</b> , 22, 947.2	0.9	