Jussara M Do Carmo

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.

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	Obesity-induced hypertension: interaction of neurohumoral and renal mechanisms. *Circulation Research*, **2015**, 116, 991-1006	15.7	571
78	Obesity-induced hypertension: role of sympathetic nervous system, leptin, and melanocortins. *Journal of Biological Chemistry*, **2010**, 285, 17271-6	5.4	325
77	Obesity, hypertension, and chronic kidney disease. *International Journal of Nephrology and Renovascular Disease*, **2014**, 7, 75-88	2.5	258
76	Obesity, kidney dysfunction and hypertension: mechanistic links. *Nature Reviews Nephrology*, **2019**, 15, 367-385	14.9	171
75	Hypertension: physiology and pathophysiology. *Comprehensive Physiology*, **2012**, 2, 2393-442	7.7	145
74	Control of blood pressure, appetite, and glucose by leptin in mice lacking leptin receptors in proopiomelanocortin neurons. *Hypertension*, **2011**, 57, 918-26	8.5	101
73	MicroRNA-21 Modulates White Adipose Tissue Browning and Altered Thermogenesis in a Mouse Model of Polycystic Ovary Syndrome. *Journal of the Endocrine Society*, **2021**, 5, A775-A776	0.4	78
72	Endogenous melanocortin system activity contributes to the elevated arterial pressure in spontaneously hypertensive rats. *Hypertension*, **2008**, 51, 884-90	8.5	68
71	Role of leptin and central nervous system melanocortins in obesity hypertension. *Current Opinion in Nephrology and Hypertension*, **2013**, 22, 135-40	3.5	49
70	Role of Hyperinsulinemia and Insulin Resistance in Hypertension: Metabolic Syndrome Revisited. *Canadian Journal of Cardiology*, **2020**, 36, 671-682	3.8	46
69	A functional melanocortin system may be required for chronic CNS-mediated antidiabetic and cardiovascular actions of leptin. *Diabetes*, **2009**, 58, 1749-56	0.9	42
68	Obesity-Induced Hypertension: Brain Signaling Pathways. *Current Hypertension Reports*, **2016**, 18, 58	4.7	38
67	Postmenopausal hypertension: role of the sympathetic nervous system in an animal model. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 306, R248-56	3.2	37
66	Impact of obesity on renal structure and function in the presence and absence of hypertension: evidence from melanocortin-4 receptor-deficient mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 297, R803-12	3.2	37
65	Chronic central leptin infusion restores cardiac sympathetic-vagal balance and baroreflex sensitivity in diabetic rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H1974-81	5.2	35
64	Activation of the central melanocortin system contributes to the increased arterial pressure in obese Zucker rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 302, R561-7	3.2	34
63	The brain melanocortin system, sympathetic control, and obesity hypertension. *Physiology*, **2014**, 29, 196-202	9.8	31

62	Roles for the sympathetic nervous system, renal nerves, and CNS melanocortin-4 receptor in the elevated blood pressure in hyperandrogenemic female rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R708-13	3.2	30
61	Synergistic Interaction of Hypertension and Diabetes in Promoting Kidney Injury and the Role of Endoplasmic Reticulum Stress. *Hypertension*, **2017**, 69, 879-891	8.5	26
60	Control of metabolic and cardiovascular function by the leptin-brain melanocortin pathway. *IUBMB Life*, **2013**, 65, 692-8	4.7	26
59	Role of proopiomelanocortin neuron Stat3 in regulating arterial pressure and mediating the chronic effects of leptin. *Hypertension*, **2013**, 61, 1066-74	8.5	26
58	Differential control of metabolic and cardiovascular functions by melanocortin-4 receptors in proopiomelanocortin neurons. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 305, R359-68	3.2	25
57	Shp2 signaling in POMC neurons is important for leptin actions on blood pressure, energy balance, and glucose regulation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R1438-47	3.2	24
56	Pyridostigmine restores cardiac autonomic balance after small myocardial infarction in mice. *PLoS ONE*, **2014**, 9, e104476	3.7	23
55	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. *Hypertension* , **2016**, 67, 378-86	8.5	22
54	Inhibition of soluble epoxide hydrolase reduces food intake and increases metabolic rate in obese mice. *Nutrition, Metabolism and Cardiovascular Diseases*, **2012**, 22, 598-604	4.5	20
53	Brain-mediated antidiabetic, anorexic, and cardiovascular actions of leptin require melanocortin-4 receptor signaling. *Journal of Neurophysiology*, **2015**, 113, 2786-91	3.2	19
52	Role of the brain melanocortins in blood pressure regulation. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 2508-2514	6.9	17
51	Melanocortin-4 Receptors and Sympathetic Nervous System Activation in Hypertension. *Current Hypertension Reports*, **2019**, 21, 46	4.7	17
50	Systemic but not central nervous system nitric oxide synthase inhibition exacerbates the hypertensive effects of chronic melanocortin-3/4 receptor activation. *Hypertension*, **2011**, 57, 428-34	8.5	16
49	Obesity, kidney dysfunction, and inflammation: interactions in hypertension. *Cardiovascular Research*, **2021**, 117, 1859-1876	9.9	16
48	Obesity-induced changes in kidney mitochondria and endoplasmic reticulum in the presence or absence of leptin. *American Journal of Physiology - Renal Physiology*, **2015**, 309, F731-43	4.3	15
47	Chronic central nervous system MC3/4R blockade attenuates hypertension induced by nitric oxide synthase inhibition but not by angiotensin II infusion. *Hypertension*, **2015**, 65, 171-7	8.5	15
46	Direct Cardiac Actions of the Sodium Glucose Co-Transporter 2 Inhibitor Empagliflozin Improve Myocardial Oxidative Phosphorylation and Attenuate Pressure-Overload Heart Failure. *Journal of the American Heart Association*, **2021**, 10, e018298	6	13
45	Role of autonomic nervous system in chronic CNS-mediated antidiabetic action of leptin. *American Journal of Physiology - Endocrinology and Metabolism*, **2017**, 312, E420-E428	6	12

44	Mechanisms of Synergistic Interactions of Diabetes and Hypertension in Chronic Kidney Disease: Role of Mitochondrial Dysfunction and ER Stress. *Current Hypertension Reports*, **2020**, 22, 15	4.7	12
43	Inhibitor B kinase 2 is a myosin light chain kinase in vascular smooth muscle. *Circulation Research*, **2013**, 113, 562-70	15.7	11
42	Leptin reverses hyperglycemia and hyperphagia in insulin deficient diabetic rats by pituitary-independent central nervous system actions. *PLoS ONE*, **2017**, 12, e0184805	3.7	10
41	Role of PTP1B in POMC neurons during chronic high-fat diet: sex differences in regulation of liver lipids and glucose tolerance. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 314, R478-R488	3.2	10
40	CNS Regulation of Glucose Homeostasis: Role of the Leptin-Melanocortin System. *Current Diabetes Reports*, **2020**, 20, 29	5.6	9
39	Impact of leptin deficiency compared with neuronal-specific leptin receptor deletion on cardiometabolic regulation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2019**, 317, R552-R562	3.2	7
38	Role of SOCS3 in POMC neurons in metabolic and cardiovascular regulation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2019**, 316, R338-R351	3.2	6
37	Pyridostigmine prevents haemodynamic alterations but does not affect their nycthemeral oscillations in infarcted mice. *Autonomic Neuroscience: Basic and Clinical*, **2015**, 187, 50-5	2.4	6
36	Restoration of Cardiac Function After Myocardial Infarction by Long-Term Activation of the CNS Leptin-Melanocortin System. *JACC Basic To Translational Science*, **2021**, 6, 55-70	8.7	6
35	Changes in ambient temperature elicit divergent control of metabolic and cardiovascular actions by leptin. *FASEB Journal*, **2017**, 31, 2418-2428	0.9	5
34	Neuronal Suppressor of Cytokine Signaling 3: Role in Modulating Chronic Metabolic and Cardiovascular Effects of Leptin. *Hypertension*, **2018**, 71, 1248-1257	8.5	5
33	Control of appetite, blood glucose, and blood pressure during melanocortin-4 receptor activation in normoglycemic and diabetic NPY-deficient mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 314, R533-R539	3.2	4
32	Role of hindbrain melanocortin-4 receptor activity in controlling cardiovascular and metabolic functions in spontaneously hypertensive rats. *Journal of Hypertension*, **2015**, 33, 1201-6	1.9	4
31	In search for potential antidiabetic compounds from natural sources: docking, synthesis and biological screening of small molecules from . (Goji). *Heliyon*, **2020**, 6, e02782	3.6	4
30	Role of melanocortin 4 receptor in hypertension induced by chronic intermittent hypoxia. *Acta Physiologica*, **2019**, 225, e13222	5.6	4
29	Obesity and Metabolic Syndrome Hypertension. *Updates in Hypertension and Cardiovascular Protection*, **2018**, 705-722	0.1	3
28	Chronic CNS-mediated cardiometabolic actions of leptin: potential role of sex differences. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 320, R173-R181	3.2	3
27	Dimethyl fumarate preserves left ventricular infarct integrity following myocardial infarction via modulation of cardiac macrophage and fibroblast oxidative metabolism. *Journal of Molecular and Cellular Cardiology*, **2021**, 158, 38-48	5.8	3

26	Increased sleep time and reduced energy expenditure contribute to obesity after ovariectomy and a high fat diet. *Life Sciences*, **2018**, 212, 119-128	6.8	2
25	Regulation of Blood Pressure, Appetite, and Glucose by CNS Melanocortin System in Hyperandrogenemic Female SHR. *American Journal of Hypertension*, **2016**, 29, 832-40	2.3	1
24	Impact of Mineralocorticoid Receptor and Angiotensin II Type 1 Receptor Antagonism on Blood Pressure Regulation in Obese Zucker Rats: Role of Sex Differences. *American Journal of Hypertension*, **2021**, 34, 999-1005	2.3	1
23	TRPC6 deficiency causes obesity and metabolic dysfunction. *FASEB Journal*, **2019**, 33, 753.1	0.9	1
22	Ganglionic blockade does not impair the chronic CNS-mediated antidiabetic action of leptin in streptozotocin-induced diabetic rats. *FASEB Journal*, **2012**, 26, 1128.3	0.9	1
21	Chronic Antidiabetic Actions of Leptin: Evidence From Parabiosis Studies for a CNS-Derived Circulating Antidiabetic Factor. *Diabetes*, **2021**, 70, 2264-2274	0.9	1
20	Sex differences in the impact of parental obesity on offspring cardiac SIRT3 expression, mitochondrial efficiency, and diastolic function early in life. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 321, H485-H495	5.2	0
19	Role of the kidney in hypertension **2013**, 66-83		
18	Chronic MC3/4R activation does not mimic the actions of leptin on baroreceptor sensitivity and heart rate regulation in diabetic rats. *FASEB Journal*, **2008**, 22, 947.5	0.9	
17	Cardiovascular function and metabolism in old melanocortin-4 receptor deficient obese mice.. *FASEB Journal*, **2008**, 22, 947.2	0.9	
16	Evidence for a circulating factor released by the brain that contributes to chronic antidiabetic actions of leptin. *FASEB Journal*, **2018**, 32, 603.3	0.9	
15	Role of Suppressor of Cytokine Signaling 3 (SOCS3) in POMC Neurons in Metabolic and Cardiovascular Regulation during Chronic Leptin Infusion. *FASEB Journal*, **2018**, 32, 732.8	0.9	
14	CNS-Specific Leptin Receptor Deficiency Impairs Cardiac Reserve. *FASEB Journal*, **2018**, 32, 848.10	0.9	
13	Role of Melanocortin-4 Receptor Activation in Hypertension Induced by Chronic Intermittent Hypoxia. *FASEB Journal*, **2018**, 32, 727.6	0.9	
12	Metabolic and cardiovascular responses to chronic intermittent hypoxia and hypercapnia. *FASEB Journal*, **2019**, 33, 533.4	0.9	
11	Chronic Intracerebroventricular Leptin Infusion Attenuates Cardiac Dysfunction After Myocardial Infarction. *FASEB Journal*, **2019**, 33, 830.6	0.9	
10	Differential Regulation of Cardiac Substrate Utilization in Response to Chronic Central Nervous System Administration of Leptin and Melanotan II in Rats with Myocardial Infarction. *FASEB Journal*, **2019**, 33, 532.10	0.9	
9	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. *FASEB Journal*, **2020**, 34, 1-1	0.9	

8	Effects of Hyperandrogenemia on Cardiovascular and Metabolic Responses to Chronic Melanocortin-4 Receptor Blockade in Female SHR. *FASEB Journal*, **2015**, 29, 647.2	0.9
7	Interaction of Hypertension and Diabetes in Progressive Nephropathy: Role of ER Stress. *FASEB Journal*, **2015**, 29, 959.9	0.9
6	Chronic CNS actions of adiponectin on appetite, metabolism and blood pressure. *FASEB Journal*, **2010**, 24, 780.1	0.9
5	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. *FASEB Journal*, **2010**, 24, 597.6	0.9
4	Effect of acetylcholinesterase inhibition with pyridostigmine on cardiovascular parameters in mice with myocardial infarction. *FASEB Journal*, **2012**, 26, 703.5	0.9
3	Metabolic and appetite responses to fasting and refeeding in mice with Shp2 deletion in forebrain neurons. *FASEB Journal*, **2012**, 26, 877.2	0.9
2	AT1 receptor antagonism but not mineralocorticoid receptor blockade lowers blood pressure in obese Zucker rats. *FASEB Journal*, **2012**, 26, 1093.6	0.9
1	Hypophysectomy attenuates leptin-induced tachycardia without affecting leptin action on appetite and body weight.. *FASEB Journal*, **2013**, 27, 1123.12	0.9