Jussara M Do Carmo

List of Publications by Year
in descending order

86 papers	3,549 citations	236833 25 h-index	149623 56 g-index
87 all docs	87 docs citations	87 times ranked	4869 citing authors

#	Article	IF	Citations
1	Obesity-Induced Hypertension. Circulation Research, 2015, 116, 991-1006.	2.0	829
2	Obesity-induced Hypertension: Role of Sympathetic Nervous System, Leptin, and Melanocortins. Journal of Biological Chemistry, 2010, 285, 17271-17276.	1.6	399
3	Obesity, kidney dysfunction and hypertension: mechanistic links. Nature Reviews Nephrology, 2019, 15, 367-385.	4.1	336
4	Obesity, hypertension, and chronic kidney disease. International Journal of Nephrology and Renovascular Disease, 2014, 7, 75.	0.8	335
5	Hypertension: Physiology and Pathophysiology. , 2012, 2, 2393-2442.		187
6	Role of Hyperinsulinemia and Insulin Resistance in Hypertension: Metabolic Syndrome Revisited. Canadian Journal of Cardiology, 2020, 36, 671-682.	0.8	153
7	Control of Blood Pressure, Appetite, and Glucose by Leptin in Mice Lacking Leptin Receptors in Proopiomelanocortin Neurons. Hypertension, 2011, 57, 918-926.	1.3	106
8	Obesity, kidney dysfunction, and inflammation: interactions in hypertension. Cardiovascular Research, 2021, 117, 1859-1876.	1.8	78
9	Endogenous Melanocortin System Activity Contributes to the Elevated Arterial Pressure in Spontaneously Hypertensive Rats. Hypertension, 2008, 51, 884-890.	1.3	73
10	Role of leptin and central nervous system melanocortins in obesity hypertension. Current Opinion in Nephrology and Hypertension, 2013, 22, 135-140.	1.0	54
11	Direct Cardiac Actions of the Sodium Glucose Coâ€Transporter 2 Inhibitor Empagliflozin Improve Myocardial Oxidative Phosphorylation and Attenuate Pressureâ€Overload Heart Failure. Journal of the American Heart Association, 2021, 10, e018298.	1.6	54
12	Synergistic Interaction of Hypertension and Diabetes in Promoting Kidney Injury and the Role of Endoplasmic Reticulum Stress. Hypertension, 2017, 69, 879-891.	1.3	52
13	Postmenopausal hypertension: role of the sympathetic nervous system in an animal model. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R248-R256.	0.9	46
14	A Functional Melanocortin System May Be Required for Chronic CNS-Mediated Antidiabetic and Cardiovascular Actions of Leptin. Diabetes, 2009, 58, 1749-1756.	0.3	45
15	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-R812.	0.9	42
16	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-R713.	0.9	42
17	Obesity-Induced Hypertension: Brain Signaling Pathways. Current Hypertension Reports, 2016, 18, 58.	1.5	42
18	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-H1981.	1.5	38

#	Article	IF	Citations
19	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-R567.	0.9	35
20	The Brain Melanocortin System, Sympathetic Control, and Obesity Hypertension. Physiology, 2014, 29, 196-202.	1.6	34
21	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-R368.	0.9	30
22	Control of metabolic and cardiovascular function by the leptinâ€“brain melanocortin pathway. IUBMB Life, 2013, 65, 692-698.	1.5	29
23	Pyridostigmine Restores Cardiac Autonomic Balance after Small Myocardial Infarction in Mice. PLoS ONE, 2014, 9, e104476.	1.1	29
24	Shp2 signaling in POMC neurons is important for leptin's actions on blood pressure, energy balance, and glucose regulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1438-R1447.	0.9	29
25	Role of Proopiomelanocortin Neuron Stat3 in Regulating Arterial Pressure and Mediating the Chronic Effects of Leptin. Hypertension, 2013, 61, 1066-1074.	1.3	28
26	Role of the brain melanocortins in blood pressure regulation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2508-2514.	1.8	28
27	Melanocortin-4 Receptors and Sympathetic Nervous System Activation in Hypertension. Current Hypertension Reports, 2019, 21, 46.	1.5	28
28	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, 378-386.	1.3	24
29	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.	1.5	24
30	Inhibition of soluble epoxide hydrolase reduces food intake and increases metabolic rate in obese mice. Nutrition, Metabolism and Cardiovascular Diseases, 2012, 22, 598-604.	1.1	21
31	CNS Regulation of Glucose Homeostasis: Role of the Leptin-Melanocortin System. Current Diabetes Reports, 2020, 20, 29.	1.7	21
32	Brain-mediated antidiabetic, anorexic, and cardiovascular actions of leptin require melanocortin-4 receptor signaling. Journal of Neurophysiology, 2015, 113, 2786-2791.	0.9	19
33	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-F743.	1.3	19
34	Systemic But Not Central Nervous System Nitric Oxide Synthase Inhibition Exacerbates the Hypertensive Effects of Chronic Melanocortin-3/4 Receptor Activation. Hypertension, 2011, 57, 428-434.	1.3	16
35	Inhibitor Î²B Kinase 2 Is a Myosin Light Chain Kinase in Vascular Smooth Muscle. Circulation Research, 2013, 113, 562-570.	2.0	16
36	Chronic Central Nervous System MC3/4R Blockade Attenuates Hypertension Induced by Nitric Oxide Synthase Inhibition but Not by Angiotensin II Infusion. Hypertension, 2015, 65, 171-177.	1.3	16

#	Article	IF	Citations
37	Role of autonomic nervous system in chronic CNS-mediated antidiabetic action of leptin. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E420-E428.	1.8	15
38	Leptin reverses hyperglycemia and hyperphagia in insulin deficient diabetic rats by pituitary-independent central nervous system actions. PLoS ONE, 2017, 12, e0184805.	1.1	15
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.	0.9	14
40	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.	0.9	14
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.	0.9	13
42	Direct Cardiac Actions of Sodium-Glucose Cotransporter 2 Inhibition Improve Mitochondrial Function and Attenuate Oxidative Stress in Pressure Overload-Induced Heart Failure. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	13
43	Role of SOCS3 in POMC neurons in metabolic and cardiovascular regulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R338-R351.	0.9	11
44	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.	1.9	11
45	Neuronal Suppressor of Cytokine Signaling 3. Hypertension, 2018, 71, 1248-1257.	1.3	9
46	Pyridostigmine prevents haemodynamic alterations but does not affect their nycthemeral oscillations in infarcted mice. Autonomic Neuroscience: Basic and Clinical, 2015, 187, 50-55.	1.4	8
47	Role of melanocortin 4 receptor in hypertension induced by chronic intermittent hypoxia. Acta Physiologica, 2019, 225, e13222.	1.8	8
48	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.	1.5	8
49	Transient receptor potential cation channel 6 contributes to kidney injury induced by diabetes and hypertension. American Journal of Physiology - Renal Physiology, 2022, 322, F76-F88.	1.3	8
50	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.	0.9	6
51	In search for potential antidiabetic compounds from natural sources: docking, synthesis and biological screening of small molecules from Lycium spp. (Goji). Heliyon, 2020, 6, e02782.	1.4	6
52	Changes in ambient temperature elicit divergent control of metabolic and cardiovascular actions by leptin. FASEB Journal, 2017, 31, 2418-2428.	0.2	5
53	Role of hindbrain melanocortin-4 receptor activity in controlling cardiovascular and metabolic functions in spontaneously hypertensive rats. Journal of Hypertension, 2015, 33, 1201-1206.	0.3	4
54	Increased sleep time and reduced energy expenditure contribute to obesity after ovariectomy and a high fat diet. Life Sciences, 2018, 212, 119-128.	2.0	4

#	Article	IF	Citations
55	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.	0.9	4
56	Obesity and Metabolic Syndrome Hypertension. Updates in Hypertension and Cardiovascular Protection, 2018, , 705-722.	0.1	3
57	Parental obesity alters offspring blood pressure regulation and cardiovascular responses to stress: role of P2X7R and sex differences. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 322, R421-R433.	0.9	3
58	Regulation of Blood Pressure, Appetite, and Glucose by CNS Melanocortin System in Hyperandrogenemic Female SHR. American Journal of Hypertension, 2016, 29, 832-840.	1.0	2
59	Chronic Antidiabetic Actions of Leptin: Evidence From Parabiosis Studies for a CNS-Derived Circulating Antidiabetic Factor. Diabetes, 2021, 70, 2264-2274.	0.3	2
60	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.	0.1	1
61	Ganglionic blockade does not impair the chronic CNSâ€mediated antidiabetic action of leptin in streptozotocinâ€induced diabetic rats. FASEB Journal, 2012, 26, 1128.3.	0.2	1
62	TRPC6 deficiency causes obesity and metabolic dysfunction. FASEB Journal, 2019, 33, 753.1.	0.2	1
63	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.	1.0	1
64	Transient receptor potential cation channel 6 deficiency leads to increased body weight and metabolic dysfunction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 323, R81-R97.	0.9	1
65	Chronic Central Nervous System Leptin Infusion Improves Cardiac Function and Metabolism after Ischemia/Reperfusion Injury. FASEB Journal, 2022, 36, .	0.2	1
66	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.	0.2	0
67	Cardiovascular function and metabolism in old melanocortinâ€4 receptor deficient obese mice.. FASEB Journal, 2008, 22, 947.2.	0.2	0
68	Chronic CNS actions of adiponectin on appetite, metabolism and blood pressure. FASEB Journal, 2010, 24, 780.1.	0.2	0
69	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.	0.2	0
70	Effect of acetylcholinesterase inhibition with pyridostigmine on cardiovascular parameters in mice with myocardial infarction. FASEB Journal, 2012, 26, 703.5.	0.2	0
71	Metabolic and appetite responses to fasting and refeeding in mice with Shp2 deletion in forebrain neurons. FASEB Journal, 2012, 26, 877.2.	0.2	0
72	AT1 receptor antagonism but not mineralocorticoid receptor blockade lowers blood pressure in obese Zucker rats. FASEB Journal, 2012, 26, 1093.6.	0.2	0

#	Article	IF	Citations
73	Hypophysectomy attenuates leptinâ€induced tachycardia without affecting leptin's action on appetite and body weight.. FASEB Journal, 2013, 27, 1123.12.	0.2	0
74	Effects of Hyperandrogenemia on Cardiovascular and Metabolic Responses to Chronic Melanocortinâ€4 Receptor Blockade in Female SHR. FASEB Journal, 2015, 29, 647.2.	0.2	0
75	Interaction of Hypertension and Diabetes in Progressive Nephropathy: Role of ER Stress. FASEB Journal, 2015, 29, 959.9.	0.2	0
76	Evidence for a circulating factor released by the brain that contributes to chronic antidiabetic actions of leptin. FASEB Journal, 2018, 32, 603.3.	0.2	0
77	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.	0.2	0
78	CNSâ€Specific Leptin Receptor Deficiency Impairs Cardiac Reserve. FASEB Journal, 2018, 32, 848.10.	0.2	0
79	Role of Melanocortinâ€4 Receptor Activation in Hypertension Induced by Chronic Intermittent Hypoxia. FASEB Journal, 2018, 32, 727.6.	0.2	0
80	Metabolic and cardiovascular responses to chronic intermittent hypoxia and hypercapnia. FASEB Journal, 2019, 33, 533.4.	0.2	0
81	Chronic Intracerebroventricular Leptin Infusion Attenuates Cardiac Dysfunction After Myocardial Infarction. FASEB Journal, 2019, 33, 830.6.	0.2	0
82	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.	0.2	0
83	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.	0.2	0
84	Highâ€Frequency 4D Ultrasound Evaluation of Temporal Changes in Endocardial Surface Strain after Myocardial Infarction. FASEB Journal, 2022, 36, .	0.2	0
85	Metabolic Reprogramming Mediates Macrophage Polarization After Myocardial Infarction. FASEB Journal, 2022, 36, .	0.2	0
86	Parental Obesity Alters Offspring Blood Pressure Regulation and Cardiovascular Responses to Stress: Role of P2X7R and Sex Differences. FASEB Journal, 2022, 36, .	0.2	0