

Alexandre A Da Silva

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.

104
papers

3,896
citations

29
h-index

61
g-index

116
ext. papers

4,517
ext. citations

4.2
avg, IF

5.47
L-index

#	Paper	IF	Citations
104	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> , 2021 , 34, 999-1005	2.3	1
103	Obesity, kidney dysfunction, and inflammation: interactions in hypertension. <i>Cardiovascular Research</i> , 2021 , 117, 1859-1876	9.9	16
102	Interaction of Obesity and Hypertension on Cardiac Metabolic Remodeling and Survival Following Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2021 , 10, e018212	6	2
101	Chronic CNS-mediated cardiometabolic actions of leptin: potential role of sex differences. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 320, R173-R181	3.2	3
100	Restoration of Cardiac Function After Myocardial Infarction by Long-Term Activation of the CNS Leptin-Melanocortin System. <i>JACC Basic To Translational Science</i> , 2021 , 6, 55-70	8.7	6
99	Chronic Antidiabetic Actions of Leptin: Evidence From Parabiosis Studies for a CNS-Derived Circulating Antidiabetic Factor. <i>Diabetes</i> , 2021 , 70, 2264-2274	0.9	1
98	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> , 2021 , 321, H485-H495	5.2	0
97	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> , 2021 , 158, 38-48	5.8	3
96	Role of Hyperinsulinemia and Insulin Resistance in Hypertension: Metabolic Syndrome Revisited. <i>Canadian Journal of Cardiology</i> , 2020 , 36, 671-682	3.8	46
95	Mechanisms of Synergistic Interactions of Diabetes and Hypertension in Chronic Kidney Disease: Role of Mitochondrial Dysfunction and ER Stress. <i>Current Hypertension Reports</i> , 2020 , 22, 15	4.7	12
94	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> , 2020 , 34, 1-1	0.9	
93	CNS Regulation of Glucose Homeostasis: Role of the Leptin-Melanocortin System. <i>Current Diabetes Reports</i> , 2020 , 20, 29	5.6	9
92	In search for potential antidiabetic compounds from natural sources: docking, synthesis and biological screening of small molecules from . (Goji). <i>Heliyon</i> , 2020 , 6, e02782	3.6	4
91	Obesity, kidney dysfunction and hypertension: mechanistic links. <i>Nature Reviews Nephrology</i> , 2019 , 15, 367-385	14.9	171
90	Melanocortin-4 Receptors and Sympathetic Nervous System Activation in Hypertension. <i>Current Hypertension Reports</i> , 2019 , 21, 46	4.7	17
89	Role of SOCS3 in POMC neurons in metabolic and cardiovascular regulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 316, R338-R351	3.2	6
88	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> , 2019 , 317, R552-R562	3.2	7

87	TRPC6 deficiency causes obesity and metabolic dysfunction. <i>FASEB Journal</i> , 2019 , 33, 753.1	0.9	1
86	Metabolic and cardiovascular responses to chronic intermittent hypoxia and hypercapnia. <i>FASEB Journal</i> , 2019 , 33, 533.4	0.9	
85	Chronic Intracerebroventricular Leptin Infusion Attenuates Cardiac Dysfunction After Myocardial Infarction. <i>FASEB Journal</i> , 2019 , 33, 830.6	0.9	
84	Impact of maternal obesity on body weight regulation and sleep time in offspring. <i>FASEB Journal</i> , 2019 , 33, 753.4	0.9	
83	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> , 2019 , 33, 532.10	0.9	
82	Role of melanocortin 4 receptor in hypertension induced by chronic intermittent hypoxia. <i>Acta Physiologica</i> , 2019 , 225, e13222	5.6	4
81	Neuronal Suppressor of Cytokine Signaling 3: Role in Modulating Chronic Metabolic and Cardiovascular Effects of Leptin. <i>Hypertension</i> , 2018 , 71, 1248-1257	8.5	5
80	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> , 2018 , 314, R533-R539	3.2	4
79	Evidence for a circulating factor released by the brain that contributes to chronic antidiabetic actions of leptin. <i>FASEB Journal</i> , 2018 , 32, 603.3	0.9	
78	Role of Melanocortin-4 Receptor Activation in Hypertension Induced by Chronic Intermittent Hypoxia. <i>FASEB Journal</i> , 2018 , 32, 727.6	0.9	
77	Increased sleep time and reduced energy expenditure contribute to obesity after ovariectomy and a high fat diet. <i>Life Sciences</i> , 2018 , 212, 119-128	6.8	2
76	Role of the brain melanocortins in blood pressure regulation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 2508-2514	6.9	17
75	Changes in ambient temperature elicit divergent control of metabolic and cardiovascular actions by leptin. <i>FASEB Journal</i> , 2017 , 31, 2418-2428	0.9	5
74	Role of autonomic nervous system in chronic CNS-mediated antidiabetic action of leptin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017 , 312, E420-E428	6	12
73	Synergistic Interaction of Hypertension and Diabetes in Promoting Kidney Injury and the Role of Endoplasmic Reticulum Stress. <i>Hypertension</i> , 2017 , 69, 879-891	8.5	26
72	Leptin reverses hyperglycemia and hyperphagia in insulin deficient diabetic rats by pituitary-independent central nervous system actions. <i>PLoS ONE</i> , 2017 , 12, e0184805	3.7	10
71	Obesity-Induced Hypertension: Brain Signaling Pathways. <i>Current Hypertension Reports</i> , 2016 , 18, 58	4.7	38
70	Regulation of Blood Pressure, Appetite, and Glucose by CNS Melanocortin System in Hyperandrogenemic Female SHR. <i>American Journal of Hypertension</i> , 2016 , 29, 832-40	2.3	1

69	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> , 2016 , 67, 378-86	8.5	22
68	Brain-mediated antidiabetic, anorexic, and cardiovascular actions of leptin require melanocortin-4 receptor signaling. <i>Journal of Neurophysiology</i> , 2015 , 113, 2786-91	3.2	19
67	Obesity-induced hypertension: interaction of neurohumoral and renal mechanisms. <i>Circulation Research</i> , 2015 , 116, 991-1006	15.7	571
66	Activation of the brain melanocortin system is required for leptin-induced modulation of chemorespiratory function. <i>Acta Physiologica</i> , 2015 , 213, 893-901	5.6	23
65	Role of hindbrain melanocortin-4 receptor activity in controlling cardiovascular and metabolic functions in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2015 , 33, 1201-6	1.9	4
64	Chronic central nervous system MC3/4R blockade attenuates hypertension induced by nitric oxide synthase inhibition but not by angiotensin II infusion. <i>Hypertension</i> , 2015 , 65, 171-7	8.5	15
63	Control of respiratory and cardiovascular functions by leptin. <i>Life Sciences</i> , 2015 , 125, 25-31	6.8	23
62	Effects of Hyperandrogenemia on Cardiovascular and Metabolic Responses to Chronic Melanocortin-4 Receptor Blockade in Female SHR. <i>FASEB Journal</i> , 2015 , 29, 647.2	0.9	
61	Interaction of Hypertension and Diabetes in Progressive Nephropathy: Role of ER Stress. <i>FASEB Journal</i> , 2015 , 29, 959.9	0.9	
60	Role of Shp2 in forebrain neurons in regulating metabolic and cardiovascular functions and responses to leptin. <i>International Journal of Obesity</i> , 2014 , 38, 775-83	5.5	20
59	Leptin into the ventrolateral medulla facilitates chemorespiratory response in leptin-deficient (ob/ob) mice. <i>Acta Physiologica</i> , 2014 , 211, 240-8	5.6	38
58	The brain melanocortin system, sympathetic control, and obesity hypertension. <i>Physiology</i> , 2014 , 29, 196-202	9.8	31
57	Obesity, hypertension, and chronic kidney disease. <i>International Journal of Nephrology and Renovascular Disease</i> , 2014 , 7, 75-88	2.5	258
56	Shp2 signaling in POMC neurons is important for leptin's actions on blood pressure, energy balance, and glucose regulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R1438-47	3.2	24
55	Control of metabolic and cardiovascular function by the leptin-brain melanocortin pathway. <i>IUBMB Life</i> , 2013 , 65, 692-8	4.7	26
54	Chronic central ghrelin infusion reduces blood pressure and heart rate despite increasing appetite and promoting weight gain in normotensive and hypertensive rats. <i>Peptides</i> , 2013 , 42, 35-42	3.8	22
53	Role of proopiomelanocortin neuron Stat3 in regulating arterial pressure and mediating the chronic effects of leptin. <i>Hypertension</i> , 2013 , 61, 1066-74	8.5	26
52	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> , 2013 , 305, R359-68	3.2	25

51	Role of leptin and central nervous system melanocortins in obesity hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2013 , 22, 135-40	3.5	49
50	Inhibitor B kinase 2 is a myosin light chain kinase in vascular smooth muscle. <i>Circulation Research</i> , 2013 , 113, 562-70	15.7	11
49	Role of the kidney in hypertension 2013 , 66-83		
48	Effects of leptin in the retrotrapezoid nucleus (RTN) on CO ₂ -sensitivity and respiration.. <i>FASEB Journal</i> , 2013 , 27, 1137.12	0.9	2
47	Shp2 signaling in Pomc neurons is important for leptin's actions on blood pressure, energy balance and glucose homeostasis.. <i>FASEB Journal</i> , 2013 , 27, 1120.3	0.9	
46	Cardiovascular and metabolic regulation in mice with neuron specific deletion of the leptin receptor.. <i>FASEB Journal</i> , 2013 , 27, 1153.6	0.9	
45	Hypophysectomy attenuates leptin-induced tachycardia without affecting leptin's action on appetite and body weight.. <i>FASEB Journal</i> , 2013 , 27, 1123.12	0.9	
44	Inhibition of soluble epoxide hydrolase reduces food intake and increases metabolic rate in obese mice. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2012 , 22, 598-604	4.5	20
43	Maternal high-sodium intake alters the responsiveness of the renin-angiotensin system in adult offspring. <i>Life Sciences</i> , 2012 , 90, 785-92	6.8	7
42	Hypertension: physiology and pathophysiology. <i>Comprehensive Physiology</i> , 2012 , 2, 2393-442	7.7	145
41	Chronic effects of centrally administered adiponectin on appetite, metabolism and blood pressure regulation in normotensive and hypertensive rats. <i>Peptides</i> , 2012 , 37, 1-5	3.8	22
40	Central leptin replacement enhances chemorespiratory responses in leptin-deficient mice independent of changes in body weight. <i>Pflugers Archiv European Journal of Physiology</i> , 2012 , 464, 145-53	4.6	25
39	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> , 2012 , 302, R561-7	3.2	34
38	Abstract 27: Leptin Reduces Food Intake but Fails to Raise Blood Pressure In Mice With Deficiency of Insulin Receptor Substrate (IRS2) In the Entire Brain or Specifically in Pomc Neurons. <i>Hypertension</i> , 2012 , 60,	8.5	2
37	Metabolic and appetite responses to fasting and refeeding in mice with Shp2 deletion in forebrain neurons. <i>FASEB Journal</i> , 2012 , 26, 877.2	0.9	
36	AT1 receptor antagonism but not mineralocorticoid receptor blockade lowers blood pressure in obese Zucker rats. <i>FASEB Journal</i> , 2012 , 26, 1093.6	0.9	
35	Ganglionic blockade does not impair the chronic CNS-mediated antidiabetic action of leptin in streptozotocin-induced diabetic rats. <i>FASEB Journal</i> , 2012 , 26, 1128.3	0.9	1
34	Control of blood pressure, appetite, and glucose by leptin in mice lacking leptin receptors in proopiomelanocortin neurons. <i>Hypertension</i> , 2011 , 57, 918-26	8.5	101

33	Chronic blood pressure and appetite responses to central leptin infusion in rats fed a high fat diet. <i>Journal of Hypertension</i> , 2011 , 29, 758-62	1.9	18
32	Systemic but not central nervous system nitric oxide synthase inhibition exacerbates the hypertensive effects of chronic melanocortin-3/4 receptor activation. <i>Hypertension</i> , 2011 , 57, 428-34	8.5	16
31	Obesity-induced hypertension: role of sympathetic nervous system, leptin, and melanocortins. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17271-6	5.4	325
30	Enhanced blood pressure and appetite responses to chronic central melanocortin-3/4 receptor blockade in dietary-induced obesity. <i>Journal of Hypertension</i> , 2010 , 28, 1466-70	1.9	22
29	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> , 2010 , 24, 597.6	0.9	
28	A functional melanocortin system may be required for chronic CNS-mediated antidiabetic and cardiovascular actions of leptin. <i>Diabetes</i> , 2009 , 58, 1749-56	0.9	42
27	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> , 2009 , 297, R803-12	3.2	37
26	The role of the sympathetic nervous system in obesity-related hypertension. <i>Current Hypertension Reports</i> , 2009 , 11, 206-11	4.7	103
25	Cardiovascular and metabolic regulation in mice with Shp2 deletion in forebrain neurons. <i>FASEB Journal</i> , 2009 , 23, 785.5	0.9	
24	Endogenous melanocortin system activity contributes to the elevated arterial pressure in spontaneously hypertensive rats. <i>Hypertension</i> , 2008 , 51, 884-90	8.5	68
23	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> , 2008 , 295, H1974-81	5.2	35
22	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> , 2008 , 22, 947.5	0.9	
21	Cardiovascular function and metabolism in old melanocortin-4 receptor deficient obese mice.. <i>FASEB Journal</i> , 2008 , 22, 947.2	0.9	
20	Cardiovascular and metabolic responses to chronic central MC3/4R antagonism in rats fed a high fat diet. <i>FASEB Journal</i> , 2008 , 22, 947.4	0.9	
19	Pathophysiology of Obesity Induced Hypertension and Target Organ Damage 2007 , 447-468		11
18	Does obesity induce resistance to the long-term cardiovascular and metabolic actions of melanocortin 3/4 receptor activation?. <i>Hypertension</i> , 2006 , 47, 259-64	8.5	25
17	Melanocortin-4 receptor mediates chronic cardiovascular and metabolic actions of leptin. <i>Hypertension</i> , 2006 , 48, 58-64	8.5	108
16	Chronic antidiabetic and cardiovascular actions of leptin: role of CNS and increased adrenergic activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R1275-82	3.2	47

15	Chronic central nervous system hyperinsulinemia and regulation of arterial pressure and food intake. <i>Journal of Hypertension</i> , 2006 , 24, 1391-5	1.9	13
14	Melanocortin-4 receptor-deficient mice are not hypertensive or salt-sensitive despite obesity, hyperinsulinemia, and hyperleptinemia. <i>Hypertension</i> , 2005 , 46, 326-32	8.5	118
13	Obesity and Hypertension: Impact on Cardiovascular and Renal Systems 2005 , 464-474		
12	Role of endothelin-1 in blood pressure regulation in a rat model of visceral obesity and hypertension. <i>Hypertension</i> , 2004 , 43, 383-7	8.5	29
11	Role of adrenergic activity in pressor responses to chronic melanocortin receptor activation. <i>Hypertension</i> , 2004 , 43, 370-5	8.5	64
10	Aldosterone antagonism attenuates obesity-induced hypertension and glomerular hyperfiltration. <i>Hypertension</i> , 2004 , 43, 41-7	8.5	166
9	Cardiovascular, renal, and metabolic responses to chronic central administration of agouti-related peptide. <i>Hypertension</i> , 2004 , 44, 853-8	8.5	14
8	Perinatal salt restriction: a new pathway to programming insulin resistance and dyslipidemia in adult wistar rats. <i>Pediatric Research</i> , 2004 , 56, 842-8	3.2	26
7	Is obesity a major cause of chronic kidney disease?. <i>Advances in Chronic Kidney Disease</i> , 2004 , 11, 41-54		159
6	Role of hypothalamic melanocortin 3/4-receptors in mediating chronic cardiovascular, renal, and metabolic actions of leptin. <i>Hypertension</i> , 2004 , 43, 1312-7	8.5	97
5	Obesity-associated hypertension and kidney disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2003 , 12, 195-200	3.5	121
4	Impact of the obesity epidemic on hypertension and renal disease. <i>Current Hypertension Reports</i> , 2003 , 5, 386-92	4.7	82
3	Renin-angiotensin system function and blood pressure in adult rats after perinatal salt overload. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2003 , 13, 133-9	4.5	39
2	Hypothalamic melanocortin receptors and chronic regulation of arterial pressure and renal function. <i>Hypertension</i> , 2003 , 41, 768-74	8.5	94
1	The rise of the plasma lipid concentration elicited by dietary sodium chloride restriction in Wistar rats is due to an impairment of the plasma triacylglycerol removal rate. <i>Atherosclerosis</i> , 2001 , 158, 81-6	3.1	22