HÃ©lio Cesar Salgado

List of Publications by Year
in descending order

108 papers	1,209 citations	361413 20 h-index	454955 30 g-index
108 all docs	108 docs citations	108 times ranked	1695 citing authors

#	Article	IF	Citations
1	Modulation of experimental arthritis by vagal sensory and central brain stimulation. Brain, Behavior, and Immunity, 2017, 64, 330-343.	4.1	65
2	Increase in parasympathetic tone by pyridostigmine prevents ventricular dysfunction during the onset of heart failure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R908-R916.	1.8	62
3	Acetylcholinesterase Inhibition Attenuates the Development of Hypertension and Inflammation in Spontaneously Hypertensive Rats. American Journal of Hypertension, 2015, 28, 1201-1208.	2.0	52
4	The role of sympathetic and vagal cardiac control on complexity of heart rate dynamics. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H469-H477.	3.2	49
5	Baroreflex responses to electrical stimulation of aortic depressor nerve in conscious SHR. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H593-H600.	3.2	47
6	Neuroimmune Interactions in Schizophrenia: Focus on Vagus Nerve Stimulation and Activation of the Alpha-7 Nicotinic Acetylcholine Receptor. Frontiers in Immunology, 2017, 8, 618.	4.8	41
7	Multiscale entropy analysis of heart rate variability in heart failure, hypertensive, and sinoaortic-denervated rats: classical and refined approaches. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R150-R156.	1.8	40
8	Cardiac acetylcholine inhibits ventricular remodeling and dysfunction under pathologic conditions. FASEB Journal, 2016, 30, 688-701.	0.5	39
9	The treatment with pyridostigmine improves the cardiocirculatory function in rats with chronic heart failure. Autonomic Neuroscience: Basic and Clinical, 2013, 173, 58-64.	2.8	33
10	GLP1R Attenuates Sympathetic Response to High Glucose via Carotid Body Inhibition. Circulation Research, 2022, 130, 694-707.	4.5	33
11	Baroreflex activation in conscious rats modulates the joint inflammatory response via sympathetic function. Brain, Behavior, and Immunity, 2015, 49, 140-147.	4.1	32
12	Nonlinearities of heart rate variability in animal models of impaired cardiac control: contribution of different time scales. Journal of Applied Physiology, 2017, 123, 344-351.	2.5	30
13	Hemodynamic responses to electrical stimulation of the aortic depressor nerve in awake rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R31-R38.	1.8	29
14	Pyridostigmine Restores Cardiac Autonomic Balance after Small Myocardial Infarction in Mice. PLoS ONE, 2014, 9, e104476.	2.5	29
15	Short-term and long-term models of doxorubicin-induced cardiomyopathy in rats: A comparison of functional and histopathological changes. Experimental and Toxicologic Pathology, 2017, 69, 213-219.	2.1	29
16	Role of Chemoreceptor Activation in Hemodynamic Responses to Electrical Stimulation of the Carotid Sinus in Conscious Rats. Hypertension, 2015, 66, 598-603.	2.7	28
17	Arterial Baroreceptors and Experimental Diabetes. Annals of the New York Academy of Sciences, 2001, 940, 20-27.	3.8	27
18	Revisiting the Sequence Method for Baroreflex Analysis. Frontiers in Neuroscience, 2019, 13, 17.	2.8	27

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19	Variable role of carotid bodies in cardiovascular responses to exercise, hypoxia and hypercapnia in spontaneously hypertensive rats. Journal of Physiology, 2018, 596, 3201-3216.	2.9	24
20	Autonomic innervation of the carotid body as a determinant of its sensitivity: implications for cardiovascular physiology and pathology. Cardiovascular Research, 2021, 117, 1015-1032.	3.8	23
21	Neurotransmission of autonomic components of aortic baroreceptor afferents in the NTS of awake rats. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H67-H75.	3.2	22
22	Baroreflex stimulation attenuates central but not peripheral inflammation in conscious endotoxemic rats. Brain Research, 2018, 1682, 54-60.	2.2	22
23	Glucose Activates Vagal Control of Hyperglycemia and Inflammation in Fasted Mice. Scientific Reports, 2019, 9, 1012.	3.3	21
24	Mesenchymal stem cell therapy for doxorubicin cardiomyopathy: hopes and fears. Stem Cell Research and Therapy, 2015, 6, 116.	5.5	19
25	Cholinergic stimulation with pyridostigmine protects myocardial infarcted rats against ischemic-induced arrhythmias and preserves connexin43 protein. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H101-H107.	3.2	18
26	Hemodynamic responses to aortic depressor nerve stimulation in conscious <scp>l</scp>-NAME-induced hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R418-R427.	1.8	17
27	Histopathological Correlates of Global and Segmental Left Ventricular Systolic Dysfunction in Experimental Chronic Chagas Cardiomyopathy. Journal of the American Heart Association, 2016, 5, .	3.7	16
28	Reduced expression of adherens and gap junction proteins can have a fundamental role in the development of heart failure following cardiac hypertrophy in rats. Experimental and Molecular Pathology, 2016, 100, 167-176.	2.1	16
29	Chronic Treatment With Acetylcholinesterase Inhibitors Attenuates Vascular Dysfunction in Spontaneously Hypertensive Rats. American Journal of Hypertension, 2019, 32, 579-587.	2.0	16
30	Enhancing respiratory sinus arrhythmia increases cardiac output in rats with left ventricular dysfunction. Journal of Physiology, 2020, 598, 455-471.	2.9	15
31	Mesenchymal Stem Cells Improve Heart Rate Variability and Baroreflex Sensitivity in Rats with Chronic Heart Failure. Stem Cells and Development, 2015, 24, 2181-2192.	2.1	14
32	NEGATIVE INOTROPIC AND LUSITROPIC EFFECTS OF INTRAVENOUS AMIODARONE IN CONSCIOUS RATS. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 870-875.	1.9	13
33	Baroreflex control of renal sympathetic nerve activity in early heart failure assessed by the sequence method. Journal of Physiology, 2017, 595, 3319-3330.	2.9	13
34	Hygiene protocols for the treatment of denture-related stomatitis: local and systemic parameters analysis - a randomized, double-blind trial protocol. Trials, 2019, 20, 661.	1.6	13
35	Evaluation of Cardiovascular Risk Factors in the Wistar Audiogenic Rat (WAR) Strain. PLoS ONE, 2015, 10, e0129574.	2.5	12
36	Reversibility of Baroreceptor Adaptation in Chronic Hypertension. Clinical Science and Molecular Medicine Supplement, 1973, 45, 123s-126s.	0.5	11

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37	Cortical stimulation in conscious rats controls joint inflammation. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 84, 201-213.	4.8	11
38	Time Course of Hemodynamic Responses to Different Doses of Lipopolysaccharide in Unanesthetized Male Rats. Frontiers in Physiology, 2019, 10, 771.	2.8	11
39	Photobiomodulation induces hypotensive effect in spontaneously hypertensive rats. Lasers in Medical Science, 2020, 35, 567-572.	2.1	11
40	Early dystrophin loss is coincident with the transition of compensated cardiac hypertrophy to heart failure. PLoS ONE, 2017, 12, e0189469.	2.5	11
41	Parasympathetic activation by pyridostigmine on chemoreflex sensitivity in heart-failure rats. Autonomic Neuroscience: Basic and Clinical, 2013, 179, 43-48.	2.8	10
42	Autonomic cardiocirculatory control in mice with reduced expression of the vesicular acetylcholine transporter. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H655-H662.	3.2	10
43	Molecular basis of Period 1 regulation by adrenergic signaling in the heart. FASEB Journal, 2021, 35, e21886.	0.5	9
44	Th17 cell-linked mechanisms mediate vascular dysfunction induced by testosterone in a mouse model of gender-affirming hormone therapy. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H322-H335.	3.2	9
45	Pyridostigmine prevents haemodynamic alterations but does not affect their nycthemeral oscillations in infarcted mice. Autonomic Neuroscience: Basic and Clinical, 2015, 187, 50-55.	2.8	8
46	Carotid sinus nerve stimulation attenuates alveolar bone loss and inflammation in experimental periodontitis. Scientific Reports, 2020, 10, 19258.	3.3	8
47	Physiological Sympathetic Activation Reduces Systemic Inflammation: Role of Baroreflex and Chemoreflex. Frontiers in Immunology, 2021, 12, 637845.	4.8	8
48	Prediction of echocardiographic parameters in Chagas disease using heart rate variability and machine learning. Biomedical Signal Processing and Control, 2021, 67, 102513.	5.7	8
49	Benefits of pharmacological and electrical cholinergic stimulation in hypertension and heart failure. Acta Physiologica, 2021, 232, e13663.	3.8	8
50	Utility of a Novel Biofeedback Device for Within-Breath Modulation of Heart Rate in Rats: A Quantitative Comparison of Vagus Nerve vs. Right Atrial Pacing. Frontiers in Physiology, 2016, 7, 27.	2.8	7
51	Electrical stimulation of the aortic depressor nerve in conscious rats overcomes the attenuation of the baroreflex in chronic heart failure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R612-R618.	1.8	7
52	Cardiovascular responses elicited by continuous versus intermittent electrical stimulation of the aortic depressor nerve in conscious rats. Life Sciences, 2016, 148, 99-105.	4.3	7
53	Elastase-2, a Tissue Alternative Pathway for Angiotensin II Generation, Plays a Role in Circulatory Sympathovagal Balance in Mice. Frontiers in Physiology, 2017, 8, 170.	2.8	7
54	Heart failure developed after myocardial infarction does not affect gut microbiota composition in the rat. American Journal of Physiology - Renal Physiology, 2019, 317, G342-G348.	3.4	7

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55	Selective denervation of the aortic and carotid baroreceptors in rats. Experimental Physiology, 2019, 104, 1335-1342.	2.0	6
56	Interaction between baroreflex and chemoreflex in the cardiorespiratory responses to stimulation of the carotid sinus/nerve in conscious rats. Autonomic Neuroscience: Basic and Clinical, 2019, 216, 17-24.	2.8	6
57	Mean Heart Rate Level Does Not Affect All Heart Rate Variability Indices. Hypertension, 2017, 69, e21-e22.	2.7	5
58	The role of the autonomic nervous system in the patterns of heart rate fragmentation. Biomedical Signal Processing and Control, 2021, 67, 102526.	5.7	5
59	Heart rate variability as a biomarker in patients with Chronic Chagas Cardiomyopathy with or without concomitant digestive involvement and its relationship with the Rassi score. BioMedical Engineering OnLine, 2022, 21, .	2.7	5
60	Increased cholinergic activity under conditions of low estrogen leads to adverse cardiac remodeling. American Journal of Physiology - Cell Physiology, 2021, 320, C602-C612.	4.6	4
61	Heart rate fragmentation, a novel approach in heart rate variability analysis, is altered in rats 4 and 12Âweeks after myocardial infarction. Medical and Biological Engineering and Computing, 2021, 59, 2373-2382.	2.8	4
62	Recurrent laryngeal nerve alterations in developing spontaneously hypertensive rats. Laryngoscope, 2016, 126, E40-7.	2.0	3
63	P2X3 receptor antagonism reduces the occurrence of apnoeas in newborn rats. Respiratory Physiology and Neurobiology, 2020, 277, 103438.	1.6	3
64	Nitric oxide storage levels modulate vasodilation and the hypotensive effect induced by photobiomodulation using an aluminum gallium arsenide (AlGaAs) diode laser (660Ânm). Lasers in Medical Science, 2022, 37, 2753-2762.	2.1	3
65	Pulmonary paracoccidioidomycosisâ€induced pulmonary hypertension. Clinical and Translational Medicine, 2020, 10, e213.	4.0	2
66	The Bezold-Jarisch Reflex and The Inflammatory Response Modulation in Unanesthetized Endotoxemic Rats. Frontiers in Physiology, 2021, 12, 745285.	2.8	2
67	Short-term effect of ligature-induced periodontitis on cardiovascular variability and inflammatory response in spontaneously hypertensive rats. BMC Oral Health, 2021, 21, 515.	2.3	2
68	Lack of scarring is not always a sign of cardiac health: Functional and molecular characterization of the rat heartâ€™s following chronic reperfusion. PLoS ONE, 2018, 13, e0209190.	2.5	1
69	Electrical Stimulation of Carotid Sinus in Conscious Normotensive and Spontaneously Hypertensive Rats. FASEB Journal, 2015, 29, 648.10.	0.5	1
70	Changes in autonomic control of the cardiovascular system in the Wistar audiogenic rat (WAR) strain, an experimental model of epilepsy. FASEB Journal, 2010, 24, lb558.	0.5	1
71	Impact of angiotensin-converting enzyme inhibition on hemodynamic and autonomic profile of elastase-2 knockout mice. Brazilian Journal of Medical and Biological Research, 2022, 55, e11774.	1.5	1
72	Correlation between heart rate variability and polysomnographyâ€derived scores of severities for obstructive sleep apnea. FASEB Journal, 2022, 36, .	0.5	1

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73	Role of Baroreceptor Resetting in the Tachycardia Observed During the Onset of One-Kidney, one Clip Hypertension. Clinical and Experimental Hypertension, 1991, 13, 825-829.	0.3	0
74	The Relationship Between Nonlinear Heart Rate Variability and Echocardiographic Indices in Chagas Disease. , 2020, , .		0
75	Evaluation of Heart Rate Fragmentation in Spontaneously Hypertensive Rats. FASEB Journal, 2021, 35, .	0.5	0
76	Cardiac function and plasma corticosterone are altered in rats submitted to chronic intermittent hypoxia (CIH). FASEB Journal, 2006, 20, A791.	0.5	0
77	Acute hyperglycemia decreases renal sympathetic nerve activity in conscious rats. FASEB Journal, 2008, 22, 950.1.	0.5	0
78	Contributions of baroâ€•and chemoreceptors in mediating the hypertensive response to bilateral carotid occlusion in conscious mice. FASEB Journal, 2008, 22, 739.8.	0.5	0
79	Baroreflex influence on arterial pressure and heart rate in conscious mice. FASEB Journal, 2009, 23, 609.3.	0.5	0
80	Morphologycal and morphometric analysis of Sural nerve in newly weaned spontaneously hypertensive rat (SHR) compared with normotensive Wistar Kyoto rat (WKY). FASEB Journal, 2011, 25, 868.8.	0.5	0
81	Comparison between morphological and morphometric parameters of recurrent laryngeal nerve in developing spontaneously hypertensive rats. FASEB Journal, 2012, 26, 725.11.	0.5	0
82	Aortic depressor nerve differences between Wistar and Wistarâ€Kyoto rats. FASEB Journal, 2012, 26, 725.7.	0.5	0
83	Ultrastructural investigation of the aortic depressor nerve in Wistar and Wistarâ€Kyoto rats. FASEB Journal, 2012, 26, 725.6.	0.5	0
84	Effect of acetylcholinesterase inhibition with pyridostigmine on cardiovascular parameters in mice with myocardial infarction. FASEB Journal, 2012, 26, 703.5.	0.5	0
85	Longitudinal morphometric study of the cervical vagus nerve in young Wistarâ€Kyoto rats. FASEB Journal, 2012, 26, 725.10.	0.5	0
86	Effect of acetylcholinesterase blockade with pyridostigmine on baroreflex and cardiovascular autonomic control in heart failure rats, six to seven weeks after coronary artery ligation. FASEB Journal, 2012, 26, 703.4.	0.5	0
87	Effect of pyridostigmine on hemodynamics and arrhythmias acutely after myocardial infarction in anesthetized rats. FASEB Journal, 2012, 26, 703.6.	0.5	0
88	Does hypertension affect morphometric parameters of phrenic nerves?. FASEB Journal, 2012, 26, 725.14.	0.5	0
89	Hemodynamic responses to electrical stimulation of the aortic depressor nerve, in conscious rats, after Î±2 adrenergic receptor blockade. FASEB Journal, 2012, 26, 1091.19.	0.5	0
90	Effects of the reversible acetylcholinesterase inhibitor pyridostigmine on vascular reactivity of spontaneously hypertensive rats (SHR). FASEB Journal, 2013, 27, 1119.4.	0.5	0

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91	Fascicle morphometry of the recurrent laryngeal nerve in short term experimental diabetes.. FASEB Journal, 2013, 27, 748.1.	0.5	0
92	Continuous and intermittent electrical stimulation of the aortic depressor nerve in conscious rats: time course of the hemodynamic responses. FASEB Journal, 2013, 27, 1118.31.	0.5	0
93	Sympathetic renal nerve ultrastructure: Comparative analysis between adult mice and rats.. FASEB Journal, 2013, 27, 748.3.	0.5	0
94	Aortic depressor nerve morphometry in male and female adult spontaneously hypertensive rats.. FASEB Journal, 2013, 27, 748.2.	0.5	0
95	Heart rate variability and cardiac function in heart failure rats treated with allogeneic mesenchymal stem cells (547.21). FASEB Journal, 2014, 28, 547.21.	0.5	0
96	Carotid body removal reduces cardiac sympathetic tone 5 days after myocardial infarction in rats. (LB685). FASEB Journal, 2014, 28, .	0.5	0
97	Hemodynamic responses to electrical stimulation of carotid sinus in conscious rats (1169.15). FASEB Journal, 2014, 28, .	0.5	0
98	Pyridostigmine enhances vagal influence to the heart but increases renal sympathetic nerve activity in anesthetized rats (1169.14). FASEB Journal, 2014, 28, 1169.14.	0.5	0
99	Effects of Acute Insulin Treatment in the Recurrent Laryngeal Nerve Myelinated Fiber Morphometry in Experimental Diabetes. FASEB Journal, 2015, 29, 705.3.	0.5	0
100	The Carotid Baroreflex Modulates the Inflammatory Response to Escherichia Coli Lipopolysaccharide (LPS) â€•Induced Endotoxemia. FASEB Journal, 2015, 29, 1059.6.	0.5	0
101	Sinoaortic denervation reduces the complexity of heart rate variability in mice. FASEB Journal, 2015, 29, 648.11.	0.5	0
102	Denervation of Peripheral Chemoreceptors Decreases Heart Rate During Bilateral Carotid Occlusion in Unanesthetized Rats. FASEB Journal, 2018, 32, 714.11.	0.5	0
103	Spontaneous Baroreflex Analysis Through the Sequence Method Quantifies the Respiratory Influences of Baroreflex. FASEB Journal, 2018, 32, 595.2.	0.5	0
104	P2X3 Receptors as a New Target for Heart Failure Treatment. FASEB Journal, 2018, 32, 885.18.	0.5	0
105	Acute autonomic effects of rose oxide on cardiovascular parameters of Wistar and spontaneously hypertensive rats. Life Sciences, 2021, 287, 120107.	4.3	0
106	Neuronal cholinergic signaling constrains norepinephrine activity in the heart. American Journal of Physiology - Cell Physiology, 2022, 322, C794-C801.	4.6	0
107	Heart Rate Fragmentation in Rats with Streptozotocinâ€•induced Diabetes. FASEB Journal, 2022, 36, .	0.5	0
108	Abstract 421: Alterations in Adherens Junction and Gap Junction Precede Desmosomes Remodeling During the Transition from Experimental Compensated Cardiac Hypertrophy to Decompensation. Hypertension, 2014, 64, .	2.7	0