

Hã©lio Cesar Salgado

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

1,209
citations

361045

20
h-index

454577

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. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 330-343.	2.0	65
2	Increase in parasympathetic tone by pyridostigmine prevents ventricular dysfunction during the onset of heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R908-R916.	0.9	62
3	Acetylcholinesterase Inhibition Attenuates the Development of Hypertension and Inflammation in Spontaneously Hypertensive Rats. <i>American Journal of Hypertension</i> , 2015, 28, 1201-1208.	1.0	52
4	The role of sympathetic and vagal cardiac control on complexity of heart rate dynamics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H469-H477.	1.5	49
5	Baroreflex responses to electrical stimulation of aortic depressor nerve in conscious SHR. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H593-H600.	1.5	47
6	Neuroimmune Interactions in Schizophrenia: Focus on Vagus Nerve Stimulation and Activation of the Alpha-7 Nicotinic Acetylcholine Receptor. <i>Frontiers in Immunology</i> , 2017, 8, 618.	2.2	41
7	Multiscale entropy analysis of heart rate variability in heart failure, hypertensive, and sinoaortic-denervated rats: classical and refined approaches. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R150-R156.	0.9	40
8	Cardiac acetylcholine inhibits ventricular remodeling and dysfunction under pathologic conditions. <i>FASEB Journal</i> , 2016, 30, 688-701.	0.2	39
9	The treatment with pyridostigmine improves the cardiocirculatory function in rats with chronic heart failure. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 173, 58-64.	1.4	33
10	GLP1R Attenuates Sympathetic Response to High Glucose via Carotid Body Inhibition. <i>Circulation Research</i> , 2022, 130, 694-707.	2.0	33
11	Baroreflex activation in conscious rats modulates the joint inflammatory response via sympathetic function. <i>Brain, Behavior, and Immunity</i> , 2015, 49, 140-147.	2.0	32
12	Nonlinearities of heart rate variability in animal models of impaired cardiac control: contribution of different time scales. <i>Journal of Applied Physiology</i> , 2017, 123, 344-351.	1.2	30
13	Hemodynamic responses to electrical stimulation of the aortic depressor nerve in awake rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 277, R31-R38.	0.9	29
14	Pyridostigmine Restores Cardiac Autonomic Balance after Small Myocardial Infarction in Mice. <i>PLoS ONE</i> , 2014, 9, e104476.	1.1	29
15	Short-term and long-term models of doxorubicin-induced cardiomyopathy in rats: A comparison of functional and histopathological changes. <i>Experimental and Toxicologic Pathology</i> , 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. <i>Hypertension</i> , 2015, 66, 598-603.	1.3	28
17	Arterial Baroreceptors and Experimental Diabetes. <i>Annals of the New York Academy of Sciences</i> , 2001, 940, 20-27.	1.8	27
18	Revisiting the Sequence Method for Baroreflex Analysis. <i>Frontiers in Neuroscience</i> , 2019, 13, 17.	1.4	27

#	ARTICLE	IF	CITATIONS
19	Variable role of carotid bodies in cardiovascular responses to exercise, hypoxia and hypercapnia in spontaneously hypertensive rats. <i>Journal of Physiology</i> , 2018, 596, 3201-3216.	1.3	24
20	Autonomic innervation of the carotid body as a determinant of its sensitivity: implications for cardiovascular physiology and pathology. <i>Cardiovascular Research</i> , 2021, 117, 1015-1032.	1.8	23
21	Neurotransmission of autonomic components of aortic baroreceptor afferents in the NTS of awake rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H67-H75.	1.5	22
22	Baroreflex stimulation attenuates central but not peripheral inflammation in conscious endotoxemic rats. <i>Brain Research</i> , 2018, 1682, 54-60.	1.1	22
23	Glucose Activates Vagal Control of Hyperglycemia and Inflammation in Fasted Mice. <i>Scientific Reports</i> , 2019, 9, 1012.	1.6	21
24	Mesenchymal stem cell therapy for doxorubicin cardiomyopathy: hopes and fears. <i>Stem Cell Research and Therapy</i> , 2015, 6, 116.	2.4	19
25	Cholinergic stimulation with pyridostigmine protects myocardial infarcted rats against ischemic-induced arrhythmias and preserves connexin43 protein. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H101-H107.	1.5	18
26	Hemodynamic responses to aortic depressor nerve stimulation in conscious <sc>l</sc>-NAME-induced hypertensive rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R418-R427.	0.9	17
27	Histopathological Correlates of Global and Segmental Left Ventricular Systolic Dysfunction in Experimental Chronic Chagas Cardiomyopathy. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	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. <i>Experimental and Molecular Pathology</i> , 2016, 100, 167-176.	0.9	16
29	Chronic Treatment With Acetylcholinesterase Inhibitors Attenuates Vascular Dysfunction in Spontaneously Hypertensive Rats. <i>American Journal of Hypertension</i> , 2019, 32, 579-587.	1.0	16
30	Enhancing respiratory sinus arrhythmia increases cardiac output in rats with left ventricular dysfunction. <i>Journal of Physiology</i> , 2020, 598, 455-471.	1.3	15
31	Mesenchymal Stem Cells Improve Heart Rate Variability and Baroreflex Sensitivity in Rats with Chronic Heart Failure. <i>Stem Cells and Development</i> , 2015, 24, 2181-2192.	1.1	14
32	NEGATIVE INOTROPIC AND LUSITROPIC EFFECTS OF INTRAVENOUS AMIODARONE IN CONSCIOUS RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 870-875.	0.9	13
33	Baroreflex control of renal sympathetic nerve activity in early heart failure assessed by the sequence method. <i>Journal of Physiology</i> , 2017, 595, 3319-3330.	1.3	13
34	Hygiene protocols for the treatment of denture-related stomatitis: local and systemic parameters analysis - a randomized, double-blind trial protocol. <i>Trials</i> , 2019, 20, 661.	0.7	13
35	Evaluation of Cardiovascular Risk Factors in the Wistar Audiogenic Rat (WAR) Strain. <i>PLoS ONE</i> , 2015, 10, e0129574.	1.1	12
36	Reversibility of Baroreceptor Adaptation in Chronic Hypertension. <i>Clinical Science and Molecular Medicine Supplement</i> , 1973, 45, 123s-126s.	0.5	11

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37	Cortical stimulation in conscious rats controls joint inflammation. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 84, 201-213.	2.5	11
38	Time Course of Hemodynamic Responses to Different Doses of Lipopolysaccharide in Unanesthetized Male Rats. <i>Frontiers in Physiology</i> , 2019, 10, 771.	1.3	11
39	Photobiomodulation induces hypotensive effect in spontaneously hypertensive rats. <i>Lasers in Medical Science</i> , 2020, 35, 567-572.	1.0	11
40	Early dystrophin loss is coincident with the transition of compensated cardiac hypertrophy to heart failure. <i>PLoS ONE</i> , 2017, 12, e0189469.	1.1	11
41	Parasympathetic activation by pyridostigmine on chemoreflex sensitivity in heart-failure rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 179, 43-48.	1.4	10
42	Autonomic cardiocirculatory control in mice with reduced expression of the vesicular acetylcholine transporter. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H655-H662.	1.5	10
43	Molecular basis of <i>Period 1</i> regulation by adrenergic signaling in the heart. <i>FASEB Journal</i> , 2021, 35, e21886.	0.2	9
44	Th17 cell-linked mechanisms mediate vascular dysfunction induced by testosterone in a mouse model of gender-affirming hormone therapy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H322-H335.	1.5	9
45	Pyridostigmine prevents haemodynamic alterations but does not affect their nycthemeral oscillations in infarcted mice. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015, 187, 50-55.	1.4	8
46	Carotid sinus nerve stimulation attenuates alveolar bone loss and inflammation in experimental periodontitis. <i>Scientific Reports</i> , 2020, 10, 19258.	1.6	8
47	Physiological Sympathetic Activation Reduces Systemic Inflammation: Role of Baroreflex and Chemoreflex. <i>Frontiers in Immunology</i> , 2021, 12, 637845.	2.2	8
48	Prediction of echocardiographic parameters in Chagas disease using heart rate variability and machine learning. <i>Biomedical Signal Processing and Control</i> , 2021, 67, 102513.	3.5	8
49	Benefits of pharmacological and electrical cholinergic stimulation in hypertension and heart failure. <i>Acta Physiologica</i> , 2021, 232, e13663.	1.8	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. <i>Frontiers in Physiology</i> , 2016, 7, 27.	1.3	7
51	Electrical stimulation of the aortic depressor nerve in conscious rats overcomes the attenuation of the baroreflex in chronic heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R612-R618.	0.9	7
52	Cardiovascular responses elicited by continuous versus intermittent electrical stimulation of the aortic depressor nerve in conscious rats. <i>Life Sciences</i> , 2016, 148, 99-105.	2.0	7
53	Elastase-2, a Tissue Alternative Pathway for Angiotensin II Generation, Plays a Role in Circulatory Sympathovagal Balance in Mice. <i>Frontiers in Physiology</i> , 2017, 8, 170.	1.3	7
54	Heart failure developed after myocardial infarction does not affect gut microbiota composition in the rat. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G342-G348.	1.6	7

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55	Selective denervation of the aortic and carotid baroreceptors in rats. <i>Experimental Physiology</i> , 2019, 104, 1335-1342.	0.9	6
56	Interaction between baroreflex and chemoreflex in the cardiorespiratory responses to stimulation of the carotid sinus/nerve in conscious rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019, 216, 17-24.	1.4	6
57	Mean Heart Rate Level Does Not Affect All Heart Rate Variability Indices. <i>Hypertension</i> , 2017, 69, e21-e22.	1.3	5
58	The role of the autonomic nervous system in the patterns of heart rate fragmentation. <i>Biomedical Signal Processing and Control</i> , 2021, 67, 102526.	3.5	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. <i>BioMedical Engineering OnLine</i> , 2022, 21, .	1.3	5
60	Increased cholinergic activity under conditions of low estrogen leads to adverse cardiac remodeling. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C602-C612.	2.1	4
61	Heart rate fragmentation, a novel approach in heart rate variability analysis, is altered in rats 4 and 12 weeks after myocardial infarction. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 2373-2382.	1.6	4
62	Recurrent laryngeal nerve alterations in developing spontaneously hypertensive rats. <i>Laryngoscope</i> , 2016, 126, E40-7.	1.1	3
63	P2X3 receptor antagonism reduces the occurrence of apnoeas in newborn rats. <i>Respiratory Physiology and Neurobiology</i> , 2020, 277, 103438.	0.7	3
64	Nitric oxide storage levels modulate vasodilation and the hypotensive effect induced by photobiomodulation using an aluminum gallium arsenide (AlGaAs) diode laser (660 nm). <i>Lasers in Medical Science</i> , 2022, 37, 2753-2762.	1.0	3
65	Pulmonary paracoccidioidomycosis-induced pulmonary hypertension. <i>Clinical and Translational Medicine</i> , 2020, 10, e213.	1.7	2
66	The Bezold-Jarisch Reflex and The Inflammatory Response Modulation in Unanesthetized Endotoxemic Rats. <i>Frontiers in Physiology</i> , 2021, 12, 745285.	1.3	2
67	Short-term effect of ligature-induced periodontitis on cardiovascular variability and inflammatory response in spontaneously hypertensive rats. <i>BMC Oral Health</i> , 2021, 21, 515.	0.8	2
68	Lack of scarring is not always a sign of cardiac health: Functional and molecular characterization of the rat heart's following chronic reperfusion. <i>PLoS ONE</i> , 2018, 13, e0209190.	1.1	1
69	Electrical Stimulation of Carotid Sinus in Conscious Normotensive and Spontaneously Hypertensive Rats. <i>FASEB Journal</i> , 2015, 29, 648.10.	0.2	1
70	Changes in autonomic control of the cardiovascular system in the Wistar audiogenic rat (WAR) strain, an experimental model of epilepsy. <i>FASEB Journal</i> , 2010, 24, lb558.	0.2	1
71	Impact of angiotensin-converting enzyme inhibition on hemodynamic and autonomic profile of elastase-2 knockout mice. <i>Brazilian Journal of Medical and Biological Research</i> , 2022, 55, e11774.	0.7	1
72	Correlation between heart rate variability and polysomnography-derived scores of severities for obstructive sleep apnea. <i>FASEB Journal</i> , 2022, 36, .	0.2	1

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73	Role of Baroreceptor Resetting in the Tachycardia Observed During the Onset of One-Kidney, one Clip Hypertension. <i>Clinical and Experimental Hypertension</i> , 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. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
76	Cardiac function and plasma corticosterone are altered in rats submitted to chronic intermittent hypoxia (CIH). <i>FASEB Journal</i> , 2006, 20, A791.	0.2	0
77	Acute hyperglycemia decreases renal sympathetic nerve activity in conscious rats. <i>FASEB Journal</i> , 2008, 22, 950.1.	0.2	0
78	Contributions of baroâ€and chemoreceptors in mediating the hypertensive response to bilateral carotid occlusion in conscious mice. <i>FASEB Journal</i> , 2008, 22, 739.8.	0.2	0
79	Baroreflex influence on arterial pressure and heart rate in conscious mice. <i>FASEB Journal</i> , 2009, 23, 609.3.	0.2	0
80	Morphological and morphometric analysis of Sural nerve in newly weaned spontaneously hypertensive rat (SHR) compared with normotensive Wistar Kyoto rat (WKY). <i>FASEB Journal</i> , 2011, 25, 868.8.	0.2	0
81	Comparison between morphological and morphometric parameters of recurrent laryngeal nerve in developing spontaneously hypertensive rats. <i>FASEB Journal</i> , 2012, 26, 725.11.	0.2	0
82	Aortic depressor nerve differences between Wistar and Wistarâ€Kyoto rats. <i>FASEB Journal</i> , 2012, 26, 725.7.	0.2	0
83	Ultrastructural investigation of the aortic depressor nerve in Wistar and Wistarâ€Kyoto rats. <i>FASEB Journal</i> , 2012, 26, 725.6.	0.2	0
84	Effect of acetylcholinesterase inhibition with pyridostigmine on cardiovascular parameters in mice with myocardial infarction. <i>FASEB Journal</i> , 2012, 26, 703.5.	0.2	0
85	Longitudinal morphometric study of the cervical vagus nerve in young Wistarâ€Kyoto rats. <i>FASEB Journal</i> , 2012, 26, 725.10.	0.2	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. <i>FASEB Journal</i> , 2012, 26, 703.4.	0.2	0
87	Effect of pyridostigmine on hemodynamics and arrhythmias acutely after myocardial infarction in anesthetized rats. <i>FASEB Journal</i> , 2012, 26, 703.6.	0.2	0
88	Does hypertension affect morphometric parameters of phrenic nerves?. <i>FASEB Journal</i> , 2012, 26, 725.14.	0.2	0
89	Hemodynamic responses to electrical stimulation of the aortic depressor nerve, in conscious rats, after ± 2 adrenergic receptor blockade. <i>FASEB Journal</i> , 2012, 26, 1091.19.	0.2	0
90	Effects of the reversible acetylcholinesterase inhibitor pyridostigmine on vascular reactivity of spontaneously hypertensive rats (SHR). <i>FASEB Journal</i> , 2013, 27, 1119.4.	0.2	0

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91	Fascicle morphometry of the recurrent laryngeal nerve in short term experimental diabetes.. FASEB Journal, 2013, 27, 748.1.	0.2	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.	0.2	0
93	Sympathetic renal nerve ultrastructure: Comparative analysis between adult mice and rats.. FASEB Journal, 2013, 27, 748.3.	0.2	0
94	Aortic depressor nerve morphometry in male and female adult spontaneously hypertensive rats.. FASEB Journal, 2013, 27, 748.2.	0.2	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.	0.2	0
96	Carotid body removal reduces cardiac sympathetic tone 5 days after myocardial infarction in rats. (LB685). FASEB Journal, 2014, 28, .	0.2	0
97	Hemodynamic responses to electrical stimulation of carotid sinus in conscious rats (1169.15). FASEB Journal, 2014, 28, .	0.2	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.	0.2	0
99	Effects of Acute Insulin Treatment in the Recurrent Laryngeal Nerve Myelinated Fiber Morphometry in Experimental Diabetes. FASEB Journal, 2015, 29, 705.3.	0.2	0
100	The Carotid Baroreflex Modulates the Inflammatory Response to Escherichia Coli Lipopolysaccharide (LPS) -Induced Endotoxemia. FASEB Journal, 2015, 29, 1059.6.	0.2	0
101	Sinoaortic denervation reduces the complexity of heart rate variability in mice. FASEB Journal, 2015, 29, 648.11.	0.2	0
102	Denervation of Peripheral Chemoreceptors Decreases Heart Rate During Bilateral Carotid Occlusion in Unanesthetized Rats. FASEB Journal, 2018, 32, 714.11.	0.2	0
103	Spontaneous Baroreflex Analysis Through the Sequence Method Quantifies the Respiratory Influences of Baroreflex. FASEB Journal, 2018, 32, 595.2.	0.2	0
104	P2X3 Receptors as a New Target for Heart Failure Treatment. FASEB Journal, 2018, 32, 885.18.	0.2	0
105	Acute autonomic effects of rose oxide on cardiovascular parameters of Wistar and spontaneously hypertensive rats. Life Sciences, 2021, 287, 120107.	2.0	0
106	Neuronal cholinergic signaling constrains norepinephrine activity in the heart. American Journal of Physiology - Cell Physiology, 2022, 322, C794-C801.	2.1	0
107	Heart Rate Fragmentation in Rats with Streptozotocin-Induced Diabetes. FASEB Journal, 2022, 36, .	0.2	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, .	1.3	0