

# Luca Carnevali

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

2,088  
citations

257450

24  
h-index

265206

42  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2793  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomic dysfunction and heart rate variability in depression. <i>Stress</i> , 2015, 18, 343-352.	1.8	213
2	Heart rate variability and inflammation: A meta-analysis of human studies. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 219-226.	4.1	204
3	<i>Bifidobacterium adolescentis</i> as a key member of the human gut microbiota in the production of GABA. <i>Scientific Reports</i> , 2020, 10, 14112.	3.3	140
4	In the search for integrative biomarker of resilience to psychological stress. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 74, 310-320.	6.1	135
5	How to Feed the Mammalian Gut Microbiota: Bacterial and Metabolic Modulation by Dietary Fibers. <i>Frontiers in Microbiology</i> , 2017, 8, 1749.	3.5	86
6	Autonomic and Brain Morphological Predictors of Stress Resilience. <i>Frontiers in Neuroscience</i> , 2018, 12, 228.	2.8	83
7	Heart rate variability mediates the link between rumination and depressive symptoms: A longitudinal study. <i>International Journal of Psychophysiology</i> , 2018, 131, 131-138.	1.0	78
8	The compassionate vagus: A meta-analysis on the connection between compassion and heart rate variability. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 116, 21-30.	6.1	77
9	The socially stressed heart. Insights from studies in rodents. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 39, 51-60.	6.1	71
10	Vagal modulation of resting heart rate in rats: the role of stress, psychosocial factors, and physical exercise. <i>Frontiers in Physiology</i> , 2014, 5, 118.	2.8	69
11	Social defeat and isolation induce clear signs of a depression-like state, but modest cardiac alterations in wild-type rats. <i>Physiology and Behavior</i> , 2012, 106, 142-150.	2.1	59
12	Different Patterns of Respiration in Rat Lines Selectively Bred for High or Low Anxiety. <i>PLoS ONE</i> , 2013, 8, e64519.	2.5	51
13	Structural and Electrical Myocardial Remodeling in a Rodent Model of Depression. <i>Psychosomatic Medicine</i> , 2013, 75, 42-51.	2.0	42
14	The contagion of social defeat stress: Insights from rodent studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 111, 12-18.	6.1	42
15	Signs of Cardiac Autonomic Imbalance and Proarrhythmic Remodeling in FTO Deficient Mice. <i>PLoS ONE</i> , 2014, 9, e95499.	2.5	41
16	Social stress contagion in rats: Behavioural, autonomic and neuroendocrine correlates. <i>Psychoneuroendocrinology</i> , 2017, 82, 155-163.	2.7	37
17	Effects of prefrontal transcranial direct current stimulation on autonomic and neuroendocrine responses to psychosocial stress in healthy humans. <i>Stress</i> , 2020, 23, 26-36.	1.8	37
18	Vagal Withdrawal and Susceptibility to Cardiac Arrhythmias in Rats with High Trait Aggressiveness. <i>PLoS ONE</i> , 2013, 8, e68316.	2.5	37

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19	The Effect of Aging on the Specialized Conducting System: A Telemetry ECG Study in Rats over a 6 Month Period. <i>PLoS ONE</i> , 2014, 9, e112697.	2.5	35
20	Cortical thickness and resting-state cardiac function across the lifespan: A cross-sectional pooled mega-analysis. <i>Psychophysiology</i> , 2021, 58, e13688.	2.4	33
21	Early maternal separation has mild effects on cardiac autonomic balance and heart structure in adult male rats. <i>Stress</i> , 2012, 15, 457-470.	1.8	30
22	Stress-Induced Susceptibility to Sudden Cardiac Death in Mice with Altered Serotonin Homeostasis. <i>PLoS ONE</i> , 2012, 7, e41184.	2.5	30
23	Single Osteopathic Manipulative Therapy Session Dampens Acute Autonomic and Neuroendocrine Responses to Mental Stress in Healthy Male Participants. <i>Journal of Osteopathic Medicine</i> , 2017, 117, 559-567.	0.8	29
24	Antidepressant-like activity and cardioprotective effects of fatty acid amide hydrolase inhibitor URB694 in socially stressed Wistar Kyoto rats. <i>European Neuropsychopharmacology</i> , 2015, 25, 2157-2169.	0.7	27
25	Low vagally-mediated heart rate variability and increased susceptibility to ventricular arrhythmias in rats bred for high anxiety. <i>Physiology and Behavior</i> , 2014, 128, 16-25.	2.1	26
26	Rodent models of depression-cardiovascular comorbidity: Bridging the known to the new. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 76, 144-153.	6.1	26
27	Respiratory patterns reflect different levels of aggressiveness and emotionality in Wild-type Groningen rats. <i>Respiratory Physiology and Neurobiology</i> , 2014, 204, 28-35.	1.6	24
28	Cortical morphometric predictors of autonomic dysfunction in generalized anxiety disorder. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019, 217, 41-48.	2.8	24
29	Ability of bifidobacteria to metabolize chitin-glucan and its impact on the gut microbiota. <i>Scientific Reports</i> , 2019, 9, 5755.	3.3	22
30	Antidepressant-like effects of pharmacological inhibition of FAAH activity in socially isolated female rats. <i>European Neuropsychopharmacology</i> , 2020, 32, 77-87.	0.7	22
31	Cardioprotective effects of fatty acid amide hydrolase inhibitor URB694, in a rodent model of trait anxiety. <i>Scientific Reports</i> , 2016, 5, 18218.	3.3	18
32	Heart rate variability in neonatal patients with seizures. <i>Clinical Neurophysiology</i> , 2018, 129, 2534-2540.	1.5	17
33	Pharmacological inhibition of FAAH activity in rodents: A promising pharmacological approach for psychological-cardiac comorbidity?. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 74, 444-452.	6.1	16
34	Interaction Between Diet and Microbiota in the Pathophysiology of Alzheimer's Disease: Focus on Polyphenols and Dietary Fibers. <i>Journal of Alzheimer's Disease</i> , 2022, 86, 961-982.	2.6	15
35	Concomitant Evaluation of Heart Period and QT Interval Variability Spectral Markers to Typify Cardiac Control in Humans and Rats. <i>Frontiers in Physiology</i> , 2019, 10, 1478.	2.8	14
36	Resting Heart Rate Variability Predicts Vulnerability to Pharmacologically-Induced Ventricular Arrhythmias in Male Rats. <i>Journal of Clinical Medicine</i> , 2019, 8, 655.	2.4	13

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37	Hemodynamic profile and compensation deficit in African and European Americans during physical and mental stress. <i>Biological Psychology</i> , 2019, 141, 17-24.	2.2	12
38	Psychological characteristics and physiological reactivity to acute stress in mothers of children with autism spectrum disorder. <i>Stress and Health</i> , 2019, 35, 421-431.	2.6	12
39	Exploring the Effects of Osteopathic Manipulative Treatment on Autonomic Function Through the Lens of Heart Rate Variability. <i>Frontiers in Neuroscience</i> , 2020, 14, 579365.	2.8	12
40	Dissociating cognitive, behavioral and physiological stress-related responses through dorsolateral prefrontal cortex inhibition. <i>Psychoneuroendocrinology</i> , 2021, 124, 105070.	2.7	11
41	Age-Related Changes in Cardiac Autonomic Modulation and Heart Rate Variability in Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 617698.	2.8	11
42	Metyrapone and fluoxetine suppress enduring behavioral but not cardiac effects of subchronic stress in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1123-R1131.	1.8	10
43	Bifidobacterial Transfer from Mother to Child as Examined by an Animal Model. <i>Microorganisms</i> , 2019, 7, 293.	3.6	10
44	Osteopathic Manipulative Treatment and Cardiovascular Autonomic Parameters in Rugby Players: A Randomized, Sham-Controlled Trial. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2021, 44, 319-329.	0.9	10
45	Safe in my heart: resting heart rate variability longitudinally predicts emotion regulation, worry, and sense of safeness during COVID-19 lockdown. <i>Stress</i> , 2022, 25, 9-13.	1.8	10
46	Low vagal tone in two rat models of psychopathology involving high or low corticosterone stress responses. <i>Psychoneuroendocrinology</i> , 2019, 101, 101-110.	2.7	8
47	Psychobiological evidence of the stress resilience fostering properties of a cosmetic routine. <i>Stress</i> , 2021, 24, 53-63.	1.8	8
48	Angry in America: Psychophysiological Responses to Unfair Treatment. <i>Annals of Behavioral Medicine</i> , 2020, 54, 924-931.	2.9	8
49	Reduced NPY Y1 receptor hippocampal expression and signs of decreased vagal modulation of heart rate in mice. <i>Physiology and Behavior</i> , 2017, 172, 31-39.	2.1	7
50	Exploring the effects of COLOSTRONONI on the mammalian gut microbiota composition. <i>PLoS ONE</i> , 2019, 14, e0217609.	2.5	6
51	Elevated miR-34a expression and altered transcriptional profile are associated with adverse electromechanical remodeling in the heart of male rats exposed to social stress. <i>Stress</i> , 2021, 24, 621-634.	1.8	6
52	Effect of anisotropy on ventricular vulnerability to unidirectional block and reentry by single premature stimulation during normal sinus rhythm in rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H584-H607.	3.2	5
53	Reduced recognition of facial emotional expressions in global burnout and burnout depersonalization in healthcare providers. <i>PeerJ</i> , 2021, 9, e10610.	2.0	5
54	Heart rate variability in neonatal seizures: Investigation and implications for management. <i>Neurophysiologie Clinique</i> , 2021, 51, 483-492.	2.2	4

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55	Exploring the Ecological Effects of Naturally Antibiotic-Insensitive Bifidobacteria in the Recovery of the Resilience of the Gut Microbiota during and after Antibiotic Treatment. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	4
56	Autonomic changes induced by provocative motion in rats bred for high (HAB) and low (LAB) anxiety-related behavior: Paradoxical responses in LAB animals. <i>Physiology and Behavior</i> , 2016, 167, 363-373.	2.1	2
57	The Utility of Rodent Models of Stress for Disentangling Individual Vulnerability to Depression and Cardiovascular Comorbidity. <i>Current Cardiology Reports</i> , 2018, 20, 111.	2.9	2
58	Can a single low-intensity premature stimulus induce ventricular arrhythmias in the normal heart?. <i>Journal of Biological Research (Italy)</i> , 2014, 87, .	0.1	1
59	Febrile and sleep responses to an immune challenge are affected by trait aggressiveness in rats. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 300-307.	4.1	1
60	Arrhythmia susceptibility in senescent rat hearts. <i>Journal of Biological Research (Italy)</i> , 2014, 87, .	0.1	0
61	NREM sleep is increased in high-aggressive, but not in non-aggressive rats by an immune challenge. <i>Brain, Behavior, and Immunity</i> , 2015, 49, e4-e5.	4.1	0
62	A Traditional Chinese Medicine Drug (TMYX) Controls Heart Rate by Modulation of the Pacemaker (F) Channels. <i>Biophysical Journal</i> , 2017, 112, 412a.	0.5	0
63	Animal Models of Psychogenic Cardiovascular Disorders. , 2015, , 1-24.		0
64	Animal Models of Psychogenic Cardiovascular Disorders. , 2016, , 873-896.		0
65	QT-RR Relation Is Different in Humans and Rats. , 0, , .		0
66	Interaction Between Diet and Microbiota in the Pathophysiology of Alzheimer's Disease: Focus on Polyphenols and Dietary Fibers. <i>Advances in Alzheimer's Disease</i> , 2022, , .	0.2	0