

# Luciano Bernardi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10403892/publications.pdf>

Version: 2024-02-01

88  
papers

8,444  
citations

81900  
39  
h-index

51608  
86  
g-index

90  
all docs

90  
docs citations

90  
times ranked

7953  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diabetic Neuropathies: Update on Definitions, Diagnostic Criteria, Estimation of Severity, and Treatments. <i>Diabetes Care</i> , 2010, 33, 2285-2293.	8.6	1,963
2	Cardiovascular autonomic neuropathy in diabetes: clinical impact, assessment, diagnosis, and management. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 639-653.	4.0	675
3	Consensus Statement on Chronic and Subacute High Altitude Diseases. <i>High Altitude Medicine and Biology</i> , 2005, 6, 147-157.	0.9	467
4	Effects of controlled breathing, mental activity and mental stress with or without verbalization on heart rate variability. <i>Journal of the American College of Cardiology</i> , 2000, 35, 1462-1469.	2.8	406
5	Effect of rosary prayer and yoga mantras on autonomic cardiovascular rhythms: comparative study. <i>BMJ: British Medical Journal</i> , 2001, 323, 1446-1449.	2.3	332
6	Slow Breathing Improves Arterial Baroreflex Sensitivity and Decreases Blood Pressure in Essential Hypertension. <i>Hypertension</i> , 2005, 46, 714-718.	2.7	301
7	Physiology and Pathophysiology of Heart Rate and Blood Pressure Variability in Humans: Is Power Spectral Analysis Largely An Index of Baroreflex Gain?. <i>Clinical Science</i> , 1995, 88, 103-109.	4.3	265
8	Dynamic Interactions Between Musical, Cardiovascular, and Cerebral Rhythms in Humans. <i>Circulation</i> , 2009, 119, 3171-3180.	1.6	259
9	Slow Breathing Increases Arterial Baroreflex Sensitivity in Patients With Chronic Heart Failure. <i>Circulation</i> , 2002, 105, 143-145.	1.6	228
10	Effect of breathing rate on oxygen saturation and exercise performance in chronic heart failure. <i>Lancet, The</i> , 1998, 351, 1308-1311.	13.7	200
11	Slow breathing reduces chemoreflex response to hypoxia and hypercapnia, and increases baroreflex sensitivity. <i>Journal of Hypertension</i> , 2001, 19, 2221-2229.	0.5	187
12	Modulatory effects of respiration. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2001, 90, 47-56.	2.8	171
13	Low-Frequency Spontaneous Fluctuations of R-R Interval and Blood Pressure in Conscious Humans: A Baroreceptor or Central Phenomenon?. <i>Clinical Science</i> , 1994, 87, 649-654.	4.3	157
14	Methods of investigation for cardiac autonomic dysfunction in human research studies. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 654-664.	4.0	139
15	Yoga and chemoreflex response to hypoxia and hypercapnia. <i>Lancet, The</i> , 2000, 356, 1495-1496.	13.7	132
16	Autonomic Control of Skin Microvessels: Assessment by Power Spectrum of Photoplethysmographic Waves. <i>Clinical Science</i> , 1996, 90, 345-355.	4.3	126
17	Demonstrable Cardiac Reinnervation After Human Heart Transplantation by Carotid Baroreflex Modulation of RR Interval. <i>Circulation</i> , 1995, 92, 2895-2903.	1.6	126
18	Origin of Respiratory Sinus Arrhythmia in Conscious Humans. <i>Circulation</i> , 1997, 95, 1813-1821.	1.6	103

#	ARTICLE	IF	CITATIONS
19	Cardiovascular autonomic modulation and activity of carotid baroreceptors at altitude. <i>Clinical Science</i> , 1998, 95, 565-573.	4.3	97
20	Cardiac autonomic dysfunction in obese subjects. <i>Clinical Science</i> , 1989, 76, 567-572.	4.3	96
21	Impact of Changes in Respiratory Frequency and Posture on Power Spectral Analysis of Heart Rate and Systolic Blood Pressure Variability in Normal Subjects and Patients with Heart Failure. <i>Clinical Science</i> , 1996, 91, 35-43.	4.3	83
22	Relationship between phasic changes in human skin blood flow and autonomic tone. <i>Microvascular Research</i> , 1989, 37, 16-27.	2.5	82
23	Sympathovagal Balance. <i>Circulation</i> , 1998, 98, 2640-2640.	1.6	82
24	Spontaneous Group Synchronization of Movements and Respiratory Rhythms. <i>PLoS ONE</i> , 2014, 9, e107538.	2.5	81
25	Interval hypoxic training improves autonomic cardiovascular and respiratory control in patients with mild chronic obstructive pulmonary disease. <i>Journal of Hypertension</i> , 2009, 27, 1648-1654.	0.5	78
26	Synchronous and baroreceptor-sensitive oscillations in skin microcirculation: evidence for central autonomic control. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997, 273, H1867-H1878.	3.2	75
27	Influence of Type of Surgery on the Occurrence of Parasympathetic Reinnervation After Cardiac Transplantation. <i>Circulation</i> , 1998, 97, 1368-1374.	1.6	75
28	Slow Breathing and Hypoxic Challenge: Cardiorespiratory Consequences and Their Central Neural Substrates. <i>PLoS ONE</i> , 2015, 10, e0127082.	2.5	70
29	Effect of Treatment With Nasal Continuous Positive Airway Pressure on Ventilatory Response to Hypoxia and Hypercapnia in Patients With Sleep Apnea Syndrome. <i>Chest</i> , 2006, 130, 774-779.	0.8	69
30	Respiratory and Cerebrovascular Responses to Hypoxia and Hypercapnia in Familial Dysautonomia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 141-149.	5.6	65
31	Acute and persistent effects of a 46-kilometre wilderness trail run at altitude: cardiovascular autonomic modulation and baroreflexes. <i>Cardiovascular Research</i> , 1997, 34, 273-280.	3.8	63
32	Breathing patterns and cardiovascular autonomic modulation during hypoxia induced by simulated altitude. <i>Journal of Hypertension</i> , 2001, 19, 947-958.	0.5	62
33	Effects of physical training on cardiovascular control after heart transplantation. <i>International Journal of Cardiology</i> , 2007, 118, 356-362.	1.7	62
34	Cardiovascular and Respiratory Effect of Yogic Slow Breathing in the Yoga Beginner: What Is the Best Approach?. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-7.	1.2	60
35	Efficacy and Tolerability of Yoga Breathing in Patients With Chronic Obstructive Pulmonary Disease. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2009, 29, 133-137.	2.1	52
36	Physical Training Enhances Sympathetic and Parasympathetic Control of Heart Rate and Peripheral Vessels in Chronic Heart Failure. <i>Clinical Science</i> , 1996, 91, 92-94.	0.0	50

#	ARTICLE	IF	CITATIONS
37	Autonomic Modulation of Heart Rate during Obstructive versus Central Apneas in Patients with Sleep-disordered Breathing. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 902-910.	5.6	50
38	New method to measure and improve consistency of baroreflex sensitivity values. <i>Clinical Autonomic Research</i> , 2010, 20, 353-361.	2.5	50
39	Non-Respiratory Components of Heart Rate Variability in Heart Transplant Recipients: Evidence of Autonomic Reinnervation?. <i>Clinical Science</i> , 1994, 86, 537-545.	4.3	44
40	Increase in Synchronization of Autonomic Rhythms between Individuals When Listening to Music. <i>Frontiers in Physiology</i> , 2017, 8, 785.	2.8	43
41	Twenty-Four-Hour Pattern of Blood Pressure and Spectral Analysis of Heart Rate Variability in Diabetic Patients with Various Degrees of Autonomic Neuropathy. Comparison to Standard Cardiovascular Tests. <i>Clinical Science</i> , 1996, 91, 105-107.	0.0	37
42	Arterial stiffness and vascular complications in patients with type 1 diabetes: The Finnish Diabetic Nephropathy (FinnDiane) Study. <i>Annals of Medicine</i> , 2012, 44, 196-204.	3.8	35
43	Effects of a Single Bout of Interval Hypoxia on Cardiorespiratory Control and Blood Glucose in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2013, 36, 2183-2189.	8.6	34
44	Ventilation, Autonomic Function, Sleep and Erythropoietin. <i>Advances in Experimental Medicine and Biology</i> , 2003, , 161-175.	1.6	32
45	Relationship between fluctuations in heart rate and asymptomatic nocturnal ischaemia. <i>International Journal of Cardiology</i> , 1988, 20, 39-51.	1.7	31
46	Repression of hypoxia-inducible factor-1 contributes to increased mitochondrial reactive oxygen species production in diabetes. <i>ELife</i> , 2022, 11, .	6.0	31
47	Reduced hypoxic ventilatory response with preserved blood oxygenation in yoga trainees and Himalayan Buddhist monks at altitude: evidence of a different adaptive strategy?. <i>European Journal of Applied Physiology</i> , 2007, 99, 511-518.	2.5	30
48	Effects of Unilateral and Bilateral Carotid Baroreflex Stimulation on Cardiac and Neural Sympathetic Discharge Oscillatory Patterns. <i>Circulation</i> , 2003, 108, 717-723.	1.6	29
49	Do Hemodynamic Responses to the Valsalva Maneuver Reflect Myocardial Dysfunction?. <i>Chest</i> , 1989, 95, 986-991.	0.8	28
50	How to assess arterial compliance in humans. <i>Journal of Hypertension</i> , 2006, 24, 1009-1012.	0.5	25
51	Peripheral arterial vascular function at altitude: sea-level natives versus Himalayan high-altitude natives. <i>Journal of Hypertension</i> , 2001, 19, 213-222.	0.5	24
52	Laparoscopy in children and its impact on brain oxygenation during routine inguinal hernia repair. <i>Journal of Minimal Access Surgery</i> , 2017, 13, 51.	0.7	23
53	Autonomic Regulation of Heart Rate and Peripheral Circulation: Comparison of High Altitude and Sea Level Residents. <i>Clinical Science</i> , 1996, 91, 81-83.	0.0	21
54	Cardiovascular Autonomic Testing in Adolescents with Type I (Insulin-Dependent) Diabetes Mellitus: An 18-Month Follow-up Study. <i>Clinical Science</i> , 1998, 94, 615-621.	4.3	18

#	ARTICLE	IF	CITATIONS
55	Dynamic Cardiocirculatory Control During Propofol Anesthesia in Mechanically Ventilated Patients. <i>Anesthesia and Analgesia</i> , 2000, 91, 1188-1195.	2.2	17
56	Frequency-dependent baroreflex control of blood pressure and heart rate during physical exercise. <i>International Journal of Cardiology</i> , 2006, 107, 171-179.	1.7	17
57	Reproducibility of Heart Rate Variability Indices during Exercise Stress Testing and Inotrope Infusion in Chronic Heart Failure Patients. <i>Clinical Science</i> , 1996, 91, 87-88.	0.0	16
58	Effects of a Single Bout of Interval Hypoxia on Cardiorespiratory Control in Patients With Type 1 Diabetes. <i>Diabetes</i> , 2013, 62, 4220-4227.	0.6	15
59	Cardiocirculatory coupling during sinusoidal baroreceptor stimulation and fixed-frequency breathing. <i>Clinical Science</i> , 2000, 99, 113-124.	4.3	14
60	Sinusoidal Neck Suction for Evaluation of Baroreflex Sensitivity During Desflurane and Sevoflurane Anesthesia. <i>Anesthesia and Analgesia</i> , 2002, 95, 1629-1636.	2.2	14
61	Baroreflex Sensitivity and Its Response to Deep Breathing Predict Increase in Blood Pressure in Type 1 Diabetes in a 5-Year Follow-Up. <i>Diabetes Care</i> , 2011, 34, 2424-2430.	8.6	14
62	Trained breathing-induced oxygenation acutely reverses cardiovascular autonomic dysfunction in patients with type 2 diabetes and renal disease. <i>Acta Diabetologica</i> , 2016, 53, 217-226.	2.5	14
63	Oxygen-induced impairment in arterial function is corrected by slow breathing in patients with type 1 diabetes. <i>Scientific Reports</i> , 2017, 7, 6001.	3.3	14
64	Bedside diagnosis of cardiac autonomic damage by computerized analysis of heart rate-respiration relationship. <i>Acta Diabetologica Latina</i> , 1986, 23, 141-154.	0.2	13
65	Autonomic nervous system and microcirculation in diabetes. <i>Journal of the Autonomic Nervous System</i> , 1990, 30, S133-S135.	1.9	12
66	Alterations of Breathing in Chronic Heart Failure: Clinical Rilevance of Arterial Oxygen Saturation Instability. <i>Clinical Science</i> , 1996, 91, 72-74.	0.0	12
67	Dynamic Cardiocirculatory Control During Propofol Anesthesia in Mechanically Ventilated Patients. <i>Anesthesia and Analgesia</i> , 2000, 91, 1188-1195.	2.2	12
68	A simple method for measuring baroreflex sensitivity holds prognostic value in heart failure. <i>International Journal of Cardiology</i> , 2013, 169, e9-e11.	1.7	12
69	Interaction between central-peripheral chemoreflexes and cerebro-cardiovascular control. <i>Clinical Autonomic Research</i> , 2005, 15, 373-381.	2.5	11
70	Heart Rate and Cardiovascular Variability at High Altitude. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 6679-81.	0.5	11
71	Diagnostic role of head-up tilt test in patients with cough syncope. <i>Europace</i> , 2016, 18, 1273-1279.	1.7	11
72	Noninvasive assessment of central circulatory pressures by analysis of ear densitographic changes during the valsalva maneuver. <i>American Journal of Cardiology</i> , 1989, 64, 787-792.	1.6	10

#	ARTICLE	IF	CITATIONS
73	Integrated Cardio-Respiratory Control: Insight in Diabetes. <i>Current Diabetes Reports</i> , 2016, 16, 107.	4.2	10
74	Modeling the isovolumic relaxation period. <i>Catheterization and Cardiovascular Diagnosis</i> , 1985, 11, 255-268.	0.3	9
75	Acute fall and long-term rise in oxygen saturation in response to meditation. <i>Psychophysiology</i> , 2017, 54, 1951-1966.	2.4	9
76	Parasympathetic Stimuli on Bronchial and Cardiovascular Systems in Humans. <i>PLoS ONE</i> , 2015, 10, e0127697.	2.5	9
77	Arterial baroreflex modulation influences postural sway. <i>Clinical Autonomic Research</i> , 2011, 21, 151-160.	2.5	7
78	Arterial function can be obtained by noninvasive finger pressure waveform. <i>International Journal of Cardiology</i> , 2014, 175, 169-171.	1.7	7
79	Effects of breathing control on cardiocirculatory modulation in Caucasian lowlanders and Himalayan Sherpas. <i>European Journal of Applied Physiology</i> , 2000, 83, 481-486.	2.5	6
80	Persons with type 1 diabetes have low blood oxygen levels in the supine and standing body positions. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e001944.	2.8	6
81	Phasic Changes in Human Nasal and Skin Blood Flow: Relationship with Autonomic Tone. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 1994, 103, 789-795.	1.1	5
82	Metabolic Adaptations May Counteract Ventilatory Adaptations of Intermittent Hypoxic Exposure during Submaximal Exercise at Altitudes up to 4000 m. <i>PLoS ONE</i> , 2012, 7, e49953.	2.5	4
83	Persistence of baroreceptor control of cerebral blood flow velocity at a simulated altitude of 5000 m. <i>Journal of Hypertension</i> , 2007, 25, 1862-1870.	0.5	3
84	Oxygen deteriorates arterial function in type 1 diabetes. <i>Acta Diabetologica</i> , 2016, 53, 349-357.	2.5	3
85	Yoga and Rehabilitation: Physical, Psychological, and Social. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-2.	1.2	2
86	International Working Group For Chronic Mountain Sickness. <i>Advances in Experimental Medicine and Biology</i> , 2001, , 439-440.	1.6	1
87	Cardio-respiratory interactions in diabetes. , 2014, , .		0
88	The effects of parasympathetic activity on bronchial tone. , 2014, , .		0