

Bruno J Chenuel

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,400
citations

361045

20
h-index

344852

36
g-index

73
all docs

73
docs citations

73
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	The ventilatory responsiveness to CO ₂ below eupnoea as a determinant of ventilatory stability in sleep. <i>Journal of Physiology</i> , 2004, 560, 1-11.	1.3	192
2	Influence of cerebrovascular function on the hypercapnic ventilatory response in healthy humans. <i>Journal of Physiology</i> , 2006, 577, 319-329.	1.3	131
3	Sensing vascular distension in skeletal muscle by slow conducting afferent fibers: neurophysiological basis and implication for respiratory control. <i>Journal of Applied Physiology</i> , 2004, 96, 407-418.	1.2	92
4	H ₂ S induced hypometabolism in mice is missing in sedated sheep. <i>Respiratory Physiology and Neurobiology</i> , 2008, 160, 109-115.	0.7	91
5	Increased propensity for apnea in response to acute elevations in left atrial pressure during sleep in the dog. <i>Journal of Applied Physiology</i> , 2006, 101, 76-83.	1.2	64
6	Lack of correlation between the ventilatory response to CO ₂ and lung function impairment in myotonic dystrophy patients: Evidence for a dysregulation at central level. <i>Neuromuscular Disorders</i> , 2015, 25, 403-408.	0.3	52
7	Organ Dysfunction and Muscular Disability in Myotonic Dystrophy Type 1. <i>Medicine (United States)</i> , 2011, 90, 262-268.	0.4	41
8	High-dose hydroxocobalamin administered after H ₂ S exposure counteracts sulfide-poisoning-induced cardiac depression in sheep. <i>Clinical Toxicology</i> , 2015, 53, 28-36.	0.8	37
9	Sinusology. <i>European Annals of Otorhinolaryngology, Head and Neck Diseases</i> , 2016, 133, 263-268.	0.4	35
10	The use of exoskeletons to help with prone positioning in the intensive care unit during COVID-19. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020, 63, 379-382.	1.1	34
11	In Vivo Interactions Between Cobalt or Ferric Compounds and the Pools of Sulphide in the Blood During and After H ₂ S Poisoning. <i>Toxicological Sciences</i> , 2014, 141, 493-504.	1.4	33
12	Sleep Management Strategy and Performance in an Extreme Mountain Ultra-marathon. <i>Research in Sports Medicine</i> , 2015, 23, 330-336.	0.7	32
13	Fatal cardiac arrhythmia following voluntary caffeine overdose in an amateur body-builder athlete. <i>International Journal of Cardiology</i> , 2013, 166, e41-e42.	0.8	29
14	Immediate and Long-Term Outcome of Acute H ₂ S Intoxication Induced Coma in Unanesthetized Rats: Effects of Methylene Blue. <i>PLoS ONE</i> , 2015, 10, e0131340.	1.1	28
15	Control of arterial PCO ₂ by somatic afferents in sheep. <i>Journal of Physiology</i> , 2005, 569, 975-987.	1.3	26
16	Exertional Heat Stroke and Susceptibility to Malignant Hyperthermia in an Athlete: Evidence for a Link?. <i>Journal of Athletic Training</i> , 2015, 50, 1212-1214.	0.9	25
17	Longitudinal course of lung function in myotonic dystrophy type 1. <i>Muscle and Nerve</i> , 2017, 56, 816-818.	1.0	25
18	Interactions between volitional and automatic breathing during respiratory apraxia. <i>Respiratory Physiology and Neurobiology</i> , 2006, 152, 169-175.	0.7	23

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19	Age, conduction defects and restrictive lung disease independently predict cardiac events and death in myotonic dystrophy. <i>International Journal of Cardiology</i> , 2013, 162, 172-178.	0.8	22
20	The control of ventilation is dissociated from locomotion during walking in sheep. <i>Journal of Physiology</i> , 2004, 559, 315-325.	1.3	20
21	Ultramarathon and Renal Function: Does Exercise-Induced Acute Kidney Injury Really Exist in Common Conditions?. <i>Frontiers in Sports and Active Living</i> , 2019, 1, 71.	0.9	20
22	Validation of a Score for the Detection of Subjects with High Risk for Severe High-Altitude Illness. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1294-1302.	0.2	20
23	Within breath ventilatory responses to mechanical tracheal stimulation in anaesthetised rabbits. <i>Pulmonary Pharmacology and Therapeutics</i> , 2010, 23, 397-402.	1.1	19
24	Supine changes in lung function correlate with chronic respiratory failure in myotonic dystrophy patients. <i>Respiratory Physiology and Neurobiology</i> , 2014, 193, 43-51.	0.7	19
25	Substance use and misuse in a mountain ultramarathon: new insight into ultrarunners population?. <i>Research in Sports Medicine</i> , 2017, 25, 244-251.	0.7	19
26	Usefulness and safety of a dedicated team to prone patients with severe ARDS due to COVID-19. <i>Critical Care</i> , 2020, 24, 509.	2.5	19
27	Increased propensity for apnea via dopamine-induced carotid body inhibition in sleeping dogs. <i>Journal of Applied Physiology</i> , 2005, 98, 1732-1739.	1.2	16
28	Stimulus response latency of cough and expiration reflex depends on breathing in the rabbit. <i>Pulmonary Pharmacology and Therapeutics</i> , 2012, 25, 242-247.	1.1	14
29	Nasal stimulation by water down-regulates cough in anesthetized rabbits. <i>Respiratory Physiology and Neurobiology</i> , 2012, 183, 20-25.	0.7	14
30	The Fundamentals of Respiratory Physiology to Manage the COVID-19 Pandemic: An Overview. <i>Frontiers in Physiology</i> , 2020, 11, 615690.	1.3	14
31	Effects of body position on the ventilatory response following an impulse exercise in humans. <i>Journal of Applied Physiology</i> , 2002, 92, 1423-1433.	1.2	13
32	Control of breathing during cortical substitution of the spontaneous automatic respiratory rhythm. <i>Respiratory Physiology and Neurobiology</i> , 2007, 159, 211-218.	0.7	13
33	Control of breathing and muscle perfusion in humans. <i>Experimental Physiology</i> , 2001, 86, 759-768.	0.9	12
34	Aortic compliance variation in long male distance triathletes: A new insight into the athlete's artery?. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, 539-542.	0.6	12
35	Are H ₂ S-trapping compounds pertinent to the treatment of sulfide poisoning?. <i>Clinical Toxicology</i> , 2014, 52, 566-566.	0.8	11
36	Isolation of the Arterial Supply to the Carotid and Central Chemoreceptors in the Sheep. <i>Experimental Physiology</i> , 2003, 88, 581-594.	0.9	10

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37	Desensitization of the cough reflex during limb muscle contraction in anesthetized rabbits. <i>Pulmonary Pharmacology and Therapeutics</i> , 2014, 27, 96-101.	1.1	10
38	Lack of desensitization of the cough reflex in ovalbumin-sensitized rabbits during exercise. <i>PLoS ONE</i> , 2017, 12, e0171862.	1.1	9
39	Innovative measurement of routine physiological variables (heart rate, respiratory rate and oxygen) Tj ETQq1 1 0.784314 rgBT /Overlo protocol. <i>BMJ Open</i> , 2021, 11, e047896.	0.8	9
40	Specific teaching about doping in sport helps medical students to meet prevention needs. <i>Science and Sports</i> , 2013, 28, 274-280.	0.2	7
41	Early incidence of occupational asthma is not accelerated by atopy in the bakery/pastry and hairdressing sectors. <i>International Journal of Tuberculosis and Lung Disease</i> , 2013, 17, 973-981.	0.6	7
42	Remote Photoplethysmography Is an Accurate Method to Remotely Measure Respiratory Rate: A Hospital-Based Trial. <i>Journal of Clinical Medicine</i> , 2022, 11, 3647.	1.0	7
43	Distention of Venous Structures in Muscles as a Controller of Respiration. <i>Advances in Experimental Medicine and Biology</i> , 2001, 499, 349-356.	0.8	6
44	Ventilatory Responsiveness to CO ₂ Above & Below Eupnea: Relative Importance of Peripheral Chemoreception. <i>Advances in Experimental Medicine and Biology</i> , 2004, 551, 65-70.	0.8	4
45	Oxygen-related chemoreceptor drive to breathe during H ₂ S infusion. <i>Respiratory Physiology and Neurobiology</i> , 2014, 201, 24-30.	0.7	4
46	Baclofen destabilises breathing during sleep in healthy humans: A randomised, controlled, double-blind crossover trial. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 1814-1823.	1.1	4
47	The interest of rehabilitation of respiratory disorders in athletes: Myth or reality?. <i>Annals of Physical and Rehabilitation Medicine</i> , 2022, 65, 101461.	1.1	4
48	Using Exoskeletons to Assist Medical Staff During Prone Positioning of Mechanically Ventilated COVID-19 Patients: A Pilot Study. <i>Lecture Notes in Networks and Systems</i> , 2021, , 88-100.	0.5	3
49	Topographical analysis of structural lesions between dominant and non-dominant hands in erosive osteoarthritis. <i>Rheumatology International</i> , 2021, 41, 617-623.	1.5	3
50	Left Ventricle Fibrosis Associated With Nonsustained Ventricular Tachycardia in an Elite Athlete: Is Exercise Responsible? A Case Report. <i>Journal of Athletic Training</i> , 2012, 47, 224-227.	0.9	3
51	SporTRIA study—a multicentre trial protocol for excretion kinetics of triamcinolone acetonide following sport-related intra-articular injections in knees: definitions of the washout periods. <i>BMJ Open</i> , 2021, 11, e047548.	0.8	2
52	Impact of Inhaled Corticosteroids on the Modulation of Respiratory Defensive Reflexes During Artificial Limb Exercise in Ovalbumin-Sensitized Rabbits. <i>Frontiers in Physiology</i> , 2021, 12, 804577.	1.3	2
53	Physical Activity Capacity Assessment of Patients With Chronic Disease and the 1-Minute Sit to Stand Test: Is There an Interest?. <i>Frontiers in Sports and Active Living</i> , 2022, 4, 839509.	0.9	2
54	Frequency Response of the Input Reaching the Respiratory Centres During Moderate Intensity Exercise. <i>Advances in Experimental Medicine and Biology</i> , 2004, 551, 287-290.	0.8	1

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55	Frequency of movements and respiratory control in exercise. <i>Respiratory Physiology and Neurobiology</i> , 2008, 161, 219-220.	0.7	1
56	Pulmonary vein stenosis after radiofrequency ablation of lone atrial fibrillation in an ironman triathlete. <i>International Journal of Cardiology</i> , 2013, 163, e39-e41.	0.8	1
57	A Single ECG Lead-Based Oscillation Index for the Quantification of Periodic Breathing in Severe Heart Failure Patients. , 2019, , .		1
58	Global prevalence of spondyloarthritis in low-income and middle-income countries: a systematic review and meta-analysis protocol. <i>BMJ Open</i> , 2020, 10, e041180.	0.8	1
59	Desensitization of the Cough Reflex Induced by Corticosteroids in Ovalbumin-Sensitized Rabbits During Artificial Limb Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 466.	1.3	1
60	Early Detection of Cheyne-Stokes Breathing via ECG-Derived Respiration in Patients With Severe Heart Failure: a Pilot Study. , 0, , .		1
61	Physical Activity Capacity Assessment of Patients with Chronic Disease and the Six-Minute Walk Test: A Cross-Sectional Study. <i>Healthcare (Switzerland)</i> , 2022, 10, 758.	1.0	1
62	Reply from P. Haouzi and B. Chenuel. <i>Journal of Physiology</i> , 2006, 572, 899-900.	1.3	0
63	Arterial oxygen partial pressure and cardiovascular surgery in elderly patients. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2008, 7, 819-824.	0.5	0
64	A signal demodulation-based method for the early detection of Cheyne-Stokes respiration. <i>PLoS ONE</i> , 2020, 15, e0221191.	1.1	0
65	Adapted Fencing for Patients With Invasive Breast Cancer: The RIPOSTE Pilot Randomized Controlled Trial. <i>Frontiers in Sports and Active Living</i> , 2022, 4, 786852.	0.9	0