

Teresa Pags Costas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67 papers	866 citations	15 h-index	27 g-index
74 ext. papers	994 ext. citations	2.9 avg, IF	3.7 L-index

#	Paper	IF	Citations
67	Physiological Effects of Intermittent Passive Exposure to Hypobaric Hypoxia and Cold in Rats. <i>Frontiers in Physiology</i> , 2021 , 12, 673095	4.6	0
66	Edible Microalgae and Their Bioactive Compounds in the Prevention and Treatment of Metabolic Alterations. <i>Nutrients</i> , 2021 , 13,	6.7	27
65	High-intensity interval versus moderate-intensity continuous half-marathon training programme for middle-aged women. <i>European Journal of Applied Physiology</i> , 2020 , 120, 1083-1096	3.4	2
64	A field tool for the aerobic power evaluation of middle-aged female recreational runners. <i>Women and Health</i> , 2020 , 60, 839-848	1.7	0
63	Implication of gut microbiota in the physiology of rats intermittently exposed to cold and hypobaric hypoxia. <i>PLoS ONE</i> , 2020 , 15, e0240686	3.7	7
62	Inter-Individual Different Responses to Continuous and Interval Training in Recreational Middle-Aged Women Runners. <i>Frontiers in Physiology</i> , 2020 , 11, 579835	4.6	1
61	Implication of gut microbiota in the physiology of rats intermittently exposed to cold and hypobaric hypoxia 2020 , 15, e0240686		
60	Implication of gut microbiota in the physiology of rats intermittently exposed to cold and hypobaric hypoxia 2020 , 15, e0240686		
59	Implication of gut microbiota in the physiology of rats intermittently exposed to cold and hypobaric hypoxia 2020 , 15, e0240686		
58	Implication of gut microbiota in the physiology of rats intermittently exposed to cold and hypobaric hypoxia 2020 , 15, e0240686		
57	A three-criteria performance score for rats exercising on a running treadmill. <i>PLoS ONE</i> , 2019 , 14, e0219167	3.7	3
56	Additive Effects of Intermittent Hypobaric Hypoxia and Endurance Training on Bodyweight, Food Intake, and Oxygen Consumption in Rats. <i>High Altitude Medicine and Biology</i> , 2018 , 19, 278-285	1.9	6
55	Contractile Activity Is Necessary to Trigger Intermittent Hypobaric Hypoxia-Induced Fiber Size and Vascular Adaptations in Skeletal Muscle. <i>Frontiers in Physiology</i> , 2018 , 9, 481	4.6	4
54	Physiological and Biological Responses to Short-Term Intermittent Hypobaric Hypoxia Exposure: From Sports and Mountain Medicine to New Biomedical Applications. <i>Frontiers in Physiology</i> , 2018 , 9, 814	4.6	43
53	Modulation of mitochondrial biomarkers by intermittent hypobaric hypoxia and aerobic exercise after eccentric exercise in trained rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017 , 42, 683-693	3	9
52	Intermittent hypobaric hypoxia combined with aerobic exercise improves muscle morphofunctional recovery after eccentric exercise to exhaustion in trained rats. <i>Journal of Applied Physiology</i> , 2017 , 122, 580-592	3.7	11
51	Sildenafil does not Improve Exercise Capacity under Acute Hypoxia Exposure. <i>International Journal of Sports Medicine</i> , 2016 , 37, 785-91	3.6	5

50	Can sildenafil improve physical performance at altitude? Current scientific evidence. <i>Apunts Medicine De L'Esport</i> , 2016 , 51, 27-35	0.6	
49	Anaerobic training in hypoxia: A new approach to stimulate the rating of effort perception. <i>Physiology and Behavior</i> , 2016 , 163, 37-42	3.5	12
48	The influence of dental occlusion on the body balance in unstable platform increases after high intensity exercise. <i>Neuroscience Letters</i> , 2016 , 617, 116-21	3.3	17
47	A program of circuit resistance training under hypobaric hypoxia conditions improves the anaerobic performance of athletes. <i>Science and Sports</i> , 2016 , 31, 78-87	0.8	7
46	Vybrant DyeCycle Violet Stain Discriminates Two Different Subsets of CD34+ Cells. <i>Current Stem Cell Research and Therapy</i> , 2016 , 11, 66-71	3.6	3
45	Popularity of hypoxic training methods for endurance-based professional and amateur athletes. <i>Physiology and Behavior</i> , 2015 , 143, 35-8	3.5	14
44	Circadian and Sex Differences After Acute High-Altitude Exposure: Are Early Acclimation Responses Improved by Blue Light?. <i>Wilderness and Environmental Medicine</i> , 2015 , 26, 459-71	1.4	8
43	New Roles and Learning Scenarios in the Training of the Novice Teachers at the University of Barcelona. <i>Procedia, Social and Behavioral Sciences</i> , 2015 , 196, 96-99		2
42	Dental Occlusion Influences the Standing Balance on an Unstable Platform. <i>Motor Control</i> , 2015 , 19, 341-54	1.5	20
41	A semiquantitative scoring tool to evaluate eccentric exercise-induced muscle damage in trained rats. <i>European Journal of Histochemistry</i> , 2015 , 59, 2544	2.1	7
40	Effects of intermittent hypoxia and light aerobic exercise on circulating stem cells and side population, after strenuous eccentric exercise in trained rats. <i>Current Stem Cell Research and Therapy</i> , 2015 , 10, 132-9	3.6	6
39	Combined intermittent hypobaric hypoxia and muscle electro-stimulation: a method to increase circulating progenitor cell concentration?. <i>Journal of Translational Medicine</i> , 2014 , 12, 174	8.5	3
38	Anaerobic performance after endurance strength training in hypobaric environment. <i>Science and Sports</i> , 2014 , 29, 311-318	0.8	10
37	Salivary pH increases after jump exercises in hypoxia. <i>Science and Sports</i> , 2014 , 29, 306-310	0.8	6
36	Intermittent hypoxia for obstructive sleep apnea?. <i>High Altitude Medicine and Biology</i> , 2014 , 15, 520-1	1.9	2
35	Effect of intermittent hypoxia and exercise on blood rheology and oxygen transport in trained rats. <i>Respiratory Physiology and Neurobiology</i> , 2014 , 192, 112-7	2.8	10
34	Efecto del ejercicio anaeróbico lático sobre el pH salival. <i>Apunts Medicine De L'Esport</i> , 2013 , 48, 83-88	0.6	3
33	Changes in heart rate recovery index after a programme of strength/endurance training in hypoxia. <i>Apunts Medicine De L'Esport</i> , 2012 , 47, 23-29	0.6	8

32	Cardiorespiratory parameters during submaximal exercise under acute exposure to normobaric and hypobaric hypoxia. <i>Apunts Medicine De L'Esport</i> , 2012 , 47, 65-72	0.6	11
31	Method of Combined Intermittent Hypoxia and Surface Muscle Electrostimulation for Enhancing Peripheral Stem Cells in Humans 2012 , 303-308		
30	Effects of oxygen supplementation on acute mountain sickness symptoms and functional capacity during a 2-kilometer walk test on Chajnantor plateau (5050 meters, Northern Chile). <i>Wilderness and Environmental Medicine</i> , 2011 , 22, 250-6	1.4	5
29	Oxidative stress status in rats after intermittent exposure to hypobaric hypoxia. <i>Wilderness and Environmental Medicine</i> , 2010 , 21, 325-31	1.4	23
28	Blood rheology adjustments in rats after a program of intermittent exposure to hypobaric hypoxia. <i>High Altitude Medicine and Biology</i> , 2009 , 10, 275-81	1.9	13
27	Combined intermittent hypoxia and surface muscle electrostimulation as a method to increase peripheral blood progenitor cell concentration. <i>Journal of Translational Medicine</i> , 2009 , 7, 91	8.5	11
26	Enzyme activity and myoglobin concentration in rat myocardium and skeletal muscles after passive intermittent simulated altitude exposure. <i>Journal of Sports Sciences</i> , 2009 , 27, 633-40	3.6	7
25	Morphofunctional responses to anaemia in rat skeletal muscle. <i>Journal of Anatomy</i> , 2008 , 212, 836-44	2.9	4
24	Sex-linked differences in pulse oxymetry. <i>British Journal of Sports Medicine</i> , 2008 , 42, 620-1	10.3	11
23	Capillary supply, fibre types and fibre morphometry in rat tibialis anterior and diaphragm muscles after intermittent exposure to hypobaric hypoxia. <i>European Journal of Applied Physiology</i> , 2008 , 103, 203-13	3.4	23
22	Intermittent hypobaric hypoxia induces changes at a different extent in biochemical parameters depending on muscle activity degree. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007 , 146, S184	2.6	2
21	Capillary supply and fiber morphometry in rat myocardium after intermittent exposure to hypobaric hypoxia. <i>High Altitude Medicine and Biology</i> , 2007 , 8, 322-30	1.9	21
20	Effects of sildenafil on the human response to acute hypoxia and exercise. <i>High Altitude Medicine and Biology</i> , 2005 , 6, 43-9	1.9	50
19	Hemorheology and oxygen transport in vertebrates. A role in thermoregulation?. <i>Journal of Physiology and Biochemistry</i> , 2003 , 59, 277-86	5	11
18	Increased blood ammonia in hypoxia during exercise in humans. <i>Journal of Physiology and Biochemistry</i> , 2001 , 57, 303-12	5	8
17	Acclimatization near home? Early respiratory changes after short-term intermittent exposure to simulated altitude. <i>Wilderness and Environmental Medicine</i> , 2000 , 11, 84-8	1.4	39
16	Erythropoietin acute reaction and haematological adaptations to short, intermittent hypobaric hypoxia. <i>European Journal of Applied Physiology</i> , 2000 , 82, 170-7	3.4	107
15	Intermittent hypobaric hypoxia induces altitude acclimation and improves the lactate threshold. <i>Aviation, Space, and Environmental Medicine</i> , 2000 , 71, 125-30		37

14	Intermittent hypobaric hypoxia stimulates erythropoiesis and improves aerobic capacity. <i>Medicine and Science in Sports and Exercise</i> , 1999 , 31, 264-8	1.2	88
13	Effect of temperature on oxygen stores during aerobic diving in the freshwater turtle <i>Mauremys caspica leprosa</i> . <i>Physiological Zoology</i> , 1997 , 70, 7-18		14
12	Effects of daily management stress on haematology and blood rheology of the gilthead seabream. <i>Journal of Fish Biology</i> , 1995 , 46, 775-786	1.9	27
11	Ventilatory responses to temperature variation in the fresh water turtle, <i>Mauremys caspica leprosa</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1994 , 164, 390-395	2.2	2
10	Hematological, electrolyte, and biochemical alterations after a 100-km run. <i>Applied Physiology, Nutrition, and Metabolism</i> , 1994 , 19, 411-20		23
9	Changes in blood ammonia and lactate levels during a triathlon race. <i>Journal of Sports Medicine and Physical Fitness</i> , 1994 , 34, 351-6	1.4	2
8	A method for sampling representative muscular venous blood during exercise in rats. <i>Laboratory Animals</i> , 1993 , 27, 171-5	2.6	13
7	Respiratory gas exchange using a triaxial alveolar gas diagram. <i>Thorax</i> , 1993 , 48, 1274-5	7.3	1
6	Plasma and red blood cell magnesium levels and plasma creatinine after a 100 km race. <i>Revista Española De Fisiología</i> , 1993 , 49, 43-7		4
5	Seasonal changes in hematology and blood chemistry of the freshwater turtle <i>Mauremys caspica leprosa</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1992 , 103, 275-278		15
4	Thermal responses of the fresh water turtle <i>Mauremys caspica</i> to step-function changes in the ambient temperature. <i>Journal of Thermal Biology</i> , 1991 , 16, 337-343	2.9	3
3	Some mechanical characteristics of the respiratory system of the fresh-water turtle <i>Mauremys caspica</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1990 , 97, 411-416		2
2	Oxygen transport properties in the starling, <i>Sturnus vulgaris</i> L.. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1984 , 77, 255-260		10
1	Muscle myoglobin and flying habits in birds. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1983 , 74, 289-294		23