Guido Ferretti

List of Publications by Citations

81 papers	2,261 citations	23 h-index	46 g-index
85 ext. papers	2,504 ext. citations	3.1 avg, IF	4.73 L-index

#	Paper	IF	Citations
81	Energy cost of walking and running at extreme uphill and downhill slopes. *Journal of Applied Physiology*, **2002**, 93, 1039-46	3.7	365
80	The energetics of anaerobic muscle metabolism: a reappraisal of older and recent concepts. *Respiration Physiology*, **1999**, 118, 103-15		242
79	The interplay of central and peripheral factors in limiting maximal O2 consumption in man after prolonged bed rest. *Journal of Physiology*, **1997**, 501 (Pt 3), 677-86	3.9	124
78	Extreme human breath-hold diving. *European Journal of Applied Physiology*, **2001**, 84, 254-71	3.4	118
77	Factors limiting maximal oxygen consumption in humans. *Respiration Physiology*, **1990**, 80, 113-27		91
76	Cardiovascular changes during deep breath-hold dives in a pressure chamber. *Journal of Applied Physiology*, **1997**, 83, 1282-90	3.7	82
75	Correction of cardiac output obtained by Modelflow from finger pulse pressure profiles with a respiratory method in humans. *Clinical Science*, **2004**, 106, 371-6	6.5	70
74	Energetics of running in top-level marathon runners from Kenya. *European Journal of Applied Physiology*, **2012**, 112, 3797-806	3.4	61
73	Simultaneous determination of the kinetics of cardiac output, systemic O(2) delivery, and lung O(2) uptake at exercise onset in men. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2006**, 290, R1071-9	3.2	58
72	Cardiac output by Modelflow method from intra-arterial and fingertip pulse pressure profiles. *Clinical Science*, **2004**, 106, 365-9	6.5	58
71	Energy cost and efficiency of riding aerodynamic bicycles. *European Journal of Applied Physiology and Occupational Physiology*, **1993**, 67, 144-9		55
70	Diversity in and adaptation to breath-hold diving in humans. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2003**, 136, 205-13	2.6	49
69	Maximal instantaneous muscular power after prolonged bed rest in humans. *Journal of Applied Physiology*, **2001**, 90, 431-5	3.7	48
68	Maximal oxygen consumption in healthy humans: theories and facts. *European Journal of Applied Physiology*, **2014**, 114, 2007-36	3.4	41
67	Effects of step duration in incremental ramp protocols on peak power and maximal oxygen consumption. *European Journal of Applied Physiology*, **2013**, 113, 2647-53	3.4	41
66	Factors limiting maximal O2 consumption: effects of acute changes in ventilation. *Respiration Physiology*, **1995**, 99, 259-71		32
65	Heart rate and blood pressure time courses during prolonged dry apnoea in breath-hold divers. *European Journal of Applied Physiology*, **2008**, 104, 1-7	3.4	31

64	Phase I dynamics of cardiac output, systemic O2 delivery, and lung O2 uptake at exercise onset in men in acute normobaric hypoxia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R624-32	3.2	29
63	Cardiovascular determinants of maximal oxygen consumption in upright and supine posture at the end of prolonged bed rest in humans. *Respiratory Physiology and Neurobiology*, **2010**, 172, 53-62	2.8	26
62	The effects of breathing He-O2 mixtures on maximal oxygen consumption in normoxic and hypoxic men. *Journal of Physiology*, **1997**, 503 (Pt 1), 215-22	3.9	26
61	Age-related heart rate response to exercise in heart transplant recipients. Functional significance. *Pflugers Archiv European Journal of Physiology*, **2002**, 443, 698-706	4.6	26
60	The heart rate response to exercise and circulating catecholamines in heart transplant recipients. *Pflugers Archiv European Journal of Physiology*, **2002**, 443, 370-6	4.6	25
59	Limiting factors to oxygen transport on Mount Everest 30 years after: a critique of Paolo Cerretelli's contribution to the study of altitude physiology. *European Journal of Applied Physiology*, **2003**, 90, 344-50	3.4	24
58	Cardiovascular time courses during prolonged immersed static apnoea. *European Journal of Applied Physiology*, **2010**, 110, 277-83	3.4	23
57	Effects of prolonged bed rest on cardiovascular oxygen transport during submaximal exercise in humans. *European Journal of Applied Physiology*, **1998**, 78, 398-402	3.4	23
56	Calf venous volume during stand-test after a 90-day bed-rest study with or without exercise countermeasure. *Journal of Physiology*, **2004**, 561, 611-22	3.9	23
55	The physiology of submaximal exercise: The steady state concept. *Respiratory Physiology and Neurobiology*, **2017**, 246, 76-85	2.8	22
54	Prolonged head down bed rest-induced inactivity impairs tonic autonomic regulation while sparing oscillatory cardiovascular rhythms in healthy humans. *Journal of Hypertension*, **2009**, 27, 551-61	1.9	21
53	Effect of respiratory muscle training on maximum aerobic power in normoxia and hypoxia. *Respiratory Physiology and Neurobiology*, **2010**, 170, 268-72	2.8	20
52	Determinants of oxygen consumption during exercise on cycle ergometer: the effects of gravity acceleration. *Respiratory Physiology and Neurobiology*, **2010**, 171, 128-34	2.8	20
51	Does resistance exercise prevent body fluid changes after a 90-day bed rest?. *European Journal of Applied Physiology*, **2004**, 92, 555-64	3.4	20
50	A beat-by-beat analysis of cardiovascular responses to dry resting and exercise apnoeas in elite divers. *European Journal of Applied Physiology*, **2015**, 115, 119-28	3.4	19
49	Maximum anaerobic performance of childhood-onset GH-deficient adults. *Growth Hormone and IGF Research*, **1999**, 9, 228-35	2	19
48	Cardiovascular responses to dry resting apnoeas in elite divers while breathing pure oxygen. *Respiratory Physiology and Neurobiology*, **2015**, 219, 1-8	2.8	17
47	An analysis of performance in human locomotion. *European Journal of Applied Physiology*, **2011**, 111, 391-401	3.4	16

46	Kinetics of oxygen consumption during maximal exercise at different muscle temperatures. *Respiration Physiology*, **1995**, 102, 261-8		16
45	Cardiovascular re-adjustments and baroreflex response during clinical reambulation procedure at the end of 35-day bed rest in humans. *Applied Physiology, Nutrition and Metabolism*, **2013**, 38, 673-80	3	15
44	Effect of cerebral vasomotion during physical exercise on associative memory, a near-infrared spectroscopy study. *Neurophotonics*, **2017**, 4, 041404	3.9	14
43	Oxygen delivery and oxygen return in humans exercising in acute normobaric hypoxia. *Pflugers Archiv European Journal of Physiology*, **2001**, 442, 443-50	4.6	13
42	TESTING THE VAGAL WITHDRAWAL HYPOTHESIS DURING LIGHT EXERCISE UNDER AUTONOMIC BLOCKADE: A HEART RATE VARIABILITY STUDY. *Journal of Applied Physiology*, **2018**,	3.7	13
41	Lung volumes of extreme breath-hold divers. *Sport Sciences for Health*, **2012**, 7, 55-59	1.3	12
40	Alveolar gas composition during maximal and interrupted apnoeas in ambient air and pure oxygen. *Respiratory Physiology and Neurobiology*, **2017**, 235, 45-51	2.8	11
39	Effects of acceleration in the Gz axis on human cardiopulmonary responses to exercise. *European Journal of Applied Physiology*, **2011**, 111, 2907-17	3.4	11
38	Maximal O(2) consumption: Effects of gravity withdrawal and resumption. *Respiratory Physiology and Neurobiology*, **2009**, 169 Suppl 1, S50-4	2.8	11
37	Effects of muscle temperature on the VO2 kinetics at the onset of exercise in man. *Respiration Physiology*, **1992**, 88, 343-53		11
36	Dynamics of the RR-interval versus blood pressure relationship at exercise onset in humans. *European Journal of Applied Physiology*, **2017**, 117, 619-630	3.4	10
35	Cardiac output, O2 delivery and VO2 kinetics during step exercise in acute normobaric hypoxia. *Respiratory Physiology and Neurobiology*, **2013**, 186, 206-13	2.8	10
34	Non-Invasive Determination of Cardiac Output in Pre-Capillary Pulmonary Hypertension. *PLoS ONE*, **2015**, 10, e0134221	3.7	10
33	The Q̇–V̇O2 diagram: an analytical interpretation of oxygen transport in arterial blood during exercise in humans. *Respiratory Physiology and Neurobiology*, **2014**, 193, 55-61	2.8	9
32	A new interpolation-free procedure for breath-by-breath analysis of oxygen uptake in exercise transients. *European Journal of Applied Physiology*, **2014**, 114, 1983-94	3.4	9
31	The effects of beta1-adrenergic blockade on cardiovascular oxygen flow in normoxic and hypoxic humans at exercise. *European Journal of Applied Physiology*, **2005**, 95, 250-9	3.4	9
30	The current use of wearable sensors to enhance safety and performance in breath-hold diving: A systematic review. *Diving and Hyperbaric Medicine*, **2020**, 50, 54-65	1	9
29	Effect of Lower Body Negative Pressure on Phase I Cardiovascular Responses at Exercise Onset. *International Journal of Sports Medicine*, **2020**, 41, 209-218	3.6	8

28	Cardiovascular responses to dry apnoeas at exercise in air and in pure oxygen. *Respiratory Physiology and Neurobiology*, **2018**, 255, 17-21	2.8	8
27	Effects of recovery interval duration on the parameters of the critical power model for incremental exercise. *European Journal of Applied Physiology*, **2017**, 117, 1859-1867	3.4	7
26	Lactate and epinephrine during exercise in altitude natives. *Journal of Applied Physiology*, **1996**, 81, 2488-94	3.4	7
25	Energetics of resting anaerobic frog gastrocnemius at different temperatures by 31P-NMR. *Respiration Physiology*, **1990**, 82, 137-47		7
24	Effect of acute physical exercise on motor sequence memory. *Scientific Reports*, **2020**, 10, 15322	4.9	7
23	Experimental validation of the 3-parameter critical power model in cycling. *European Journal of Applied Physiology*, **2019**, 119, 941-949	3.4	6
22	Gas exchange and cardiovascular responses during breath-holding in divers. *Respiratory Physiology and Neurobiology*, **2019**, 267, 27-34	2.8	6
21	Exercise training in chronic hypoxia has no effect on ventilatory muscle function in humans. *Respiration Physiology*, **1998**, 112, 195-202		5
20	Kinetics of Cardiac Output at the Onset of Exercise in Precapillary Pulmonary Hypertension. *BioMed Research International*, **2016**, 2016, 6050193	3	5
19	Baroreflex responses during dry resting and exercise apnoeas in air and pure oxygen. *European Journal of Applied Physiology*, **2021**, 121, 539-547	3.4	5
18	Effects of gravitational acceleration on cardiovascular autonomic control in resting humans. *European Journal of Applied Physiology*, **2015**, 115, 1417-27	3.4	4
17	Heart rate variability and baroreflex sensitivity in bilateral lung transplant recipients. *Clinical Physiology and Functional Imaging*, **2018**, 38, 872-880	2.4	4
16	Respiratory muscle training and maximum aerobic power in hypoxia. *European Journal of Applied Physiology*, **2010**, 110, 219-20	3.4	4
15	Breath holding as an example of extreme hypoventilation: experimental testing of a new model describing alveolar gas pathways. *Experimental Physiology*, **2020**, 105, 2216-2225	2.4	4
14	A regression method for the power-duration relationship when both variables are subject to error. *European Journal of Applied Physiology*, **2020**, 120, 765-770	3.4	3
13	Vagal blockade suppresses the phase I heart rate response but not the phase I cardiac output response at exercise onset in humans. *European Journal of Applied Physiology*, **2021**, 121, 3173-3187	3.4	3
12	A century of exercise physiology: key concepts on coupling respiratory oxygen flow to muscle energy demand during exercise.. *European Journal of Applied Physiology*, **2022**, 1	3.4	3
11	A single session of moderate intensity exercise influences memory, endocannabinoids and brain derived neurotrophic factor levels in men. *Scientific Reports*, **2021**, 11, 14371	4.9	2

10	Obstructive and Central Sleep Apnea in First Ever Ischemic Stroke are Associated with Different Time Course and Autonomic Activation. *Nature and Science of Sleep*, **2021**, 13, 1167-1178	3.6	2
9	Of intermittent hypoxia and doping. *European Journal of Applied Physiology*, **2010**, 108, 413-4	3.4	1
8	Assessment of respiratory muscle training effects. *Respiratory Physiology and Neurobiology*, **2010**, 173, 115-117	2.8	1
7	A closed-loop approach to the study of the baroreflex dynamics during posture changes at rest and at exercise in humans. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 321, R960-R968	3.2	1
6	Supramaximal Exercise **2015**, 157-180		0
5	Introductory and Historical Remarks **2015**, 1-27		
4	Aerobic Metabolism and the Steady-State Concept **2015**, 29-64		
3	Maximal Oxygen Consumption **2015**, 97-135		
2	The effects of negative work on the maximal instantaneous muscular power of humans during vertical jumps. *Sport Sciences for Health*, **2015**, 11, 243-249	1.3	
1	A reappraisal of the strength-duration test to assess neuromuscular impairment of critically ill patients. *Journal of Electromyography and Kinesiology*, **2021**, 59, 102555	2.5	