

Silvia Pogliaghi

List of Publications by Citations

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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.

73
papers

1,473
citations

22
h-index

37
g-index

104
ext. papers

1,780
ext. citations

2.3
avg, IF

4.73
L-index

#	Paper	IF	Citations
73	Muscle oxygenation and pulmonary gas exchange kinetics during cycling exercise on-transitions in humans. <i>Journal of Applied Physiology</i> , 2003 , 95, 149-58	3.7	320
72	Exercise Intensity Thresholds: Identifying the Boundaries of Sustainable Performance. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1932-40	1.2	112
71	The impact of gender, body dimension and body composition on hand-grip strength in healthy children. <i>Journal of Endocrinological Investigation</i> , 2002 , 25, 431-5	5.2	66
70	Vascular responsiveness determined by near-infrared spectroscopy measures of oxygen saturation. <i>Experimental Physiology</i> , 2016 , 101, 34-40	2.4	62
69	A Critical Evaluation of Current Methods for Exercise Prescription in Women and Men. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 466-473	1.2	52
68	Repeatability of vascular responsiveness measures derived from near-infrared spectroscopy. <i>Physiological Reports</i> , 2016 , 4, e12772	2.6	48
67	Determination of respiratory point compensation in healthy adults: Can non-invasive near-infrared spectroscopy help?. <i>Journal of Science and Medicine in Sport</i> , 2015 , 18, 590-5	4.4	46
66	Determination of maximal lactate steady state in healthy adults: can NIRS help?. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 1208-16	1.2	45
65	Adaptations to endurance training in the healthy elderly: arm cranking versus leg cycling. <i>European Journal of Applied Physiology</i> , 2006 , 97, 723-31	3.4	44
64	Critical power: How different protocols and models affect its determination. <i>Journal of Science and Medicine in Sport</i> , 2018 , 21, 742-747	4.4	37
63	Effects of eight weeks of aerobic interval training and of isoinertial resistance training on risk factors of cardiometabolic diseases and exercise capacity in healthy elderly subjects. <i>Oncotarget</i> , 2015 , 6, 16998-7015	3.3	36
62	Improved VO ₂ uptake kinetics and shift in muscle fiber type in high-altitude trekkers. <i>Journal of Applied Physiology</i> , 2011 , 111, 1597-605	3.7	35
61	Vascular responsiveness measured by tissue oxygen saturation reperfusion slope is sensitive to different occlusion durations and training status. <i>Experimental Physiology</i> , 2016 , 101, 1309-1318	2.4	31
60	Effects of priming exercise on the speed of adjustment of muscle oxidative metabolism at the onset of moderate-intensity step transitions in older adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 302, R1158-66	3.2	30
59	Measurement of a True [Formula: see text]O during a Ramp Incremental Test Is Not Confirmed by a Verification Phase. <i>Frontiers in Physiology</i> , 2018 , 9, 143	4.6	29
58	The Respiratory Compensation Point and the Deoxygenation Break Point Are Valid Surrogates for Critical Power and Maximum Lactate Steady State. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2375-2378	1.2	28
57	The slow component of pulmonary O ₂ uptake accompanies peripheral muscle fatigue during high-intensity exercise. <i>Journal of Applied Physiology</i> , 2016 , 121, 493-502	3.7	27

56	Anthropometrics of Italian Senior Male Rugby Union Players: From Elite to Second Division. <i>International Journal of Sports Physiology and Performance</i> , 2015 , 10, 674-80	3.5	26
55	Cardiovascular determinants of maximal oxygen consumption in upright and supine posture at the end of prolonged bed rest in humans. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 172, 53-62	2.8	26
54	Noninvasive estimation of microvascular O ₂ provision during exercise on-transients in healthy young males. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 303, R815-23	3.2	23
53	Reliability of microvascular responsiveness measures derived from near-infrared spectroscopy across a variety of ischemic periods in young and older individuals. <i>Microvascular Research</i> , 2019 , 122, 117-124	3.7	23
52	Oxygen uptake, cardiac output and muscle deoxygenation at the onset of moderate and supramaximal exercise in humans. <i>European Journal of Applied Physiology</i> , 2011 , 111, 1517-27	3.4	22
51	Serial assessment of peak VO ₂ and VO ₂ kinetics early after heart transplantation. <i>Medicine and Science in Sports and Exercise</i> , 2003 , 35, 1798-804	1.2	21
50	Algorithms, modelling and VO ₂ kinetics. <i>European Journal of Applied Physiology</i> , 2011 , 111, 331-42	3.4	20
49	A "Step-Ramp-Step" Protocol to Identify the Maximal Metabolic Steady State. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2011-2019	1.2	20
48	An equation to predict the maximal lactate steady state from ramp-incremental exercise test data in cycling. <i>Journal of Science and Medicine in Sport</i> , 2018 , 21, 1274-1280	4.4	20
47	Calculation of oxygen uptake efficiency slope based on heart rate reserve end-points in healthy elderly subjects. <i>European Journal of Applied Physiology</i> , 2007 , 101, 691-6	3.4	16
46	Effect of gravity on lung exhaled nitric oxide at rest and during exercise. <i>Respiration Physiology</i> , 1997 , 107, 157-64		15
45	Gokyo Khumbu/Ama Dablam Trek 2012: effects of physical training and high-altitude exposure on oxidative metabolism, muscle composition, and metabolic cost of walking in women. <i>European Journal of Applied Physiology</i> , 2016 , 116, 129-44	3.4	13
44	Translating Ramp VO ₂ into Constant Power Output: A Novel Strategy that Minds the Gap. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2020-2028	1.2	13
43	Influence of low and high dietary fat on physical performance in untrained males. <i>Medicine and Science in Sports and Exercise</i> , 1999 , 31, 149-55	1.2	12
42	"Tailored" submaximal step test for VO ₂ max prediction in healthy older adults. <i>Journal of Aging and Physical Activity</i> , 2014 , 22, 261-8	1.6	11
41	Player success prediction in rugby union: From youth performance to senior level placing. <i>Journal of Science and Medicine in Sport</i> , 2017 , 20, 409-414	4.4	11
40	Aging: a portrait from gene expression profile in blood cells. <i>Aging</i> , 2016 , 8, 1802-21	5.6	9
39	Bioenergetics of the VO ₂ slow component between exercise intensity domains. <i>Pflugers Archiv European Journal of Physiology</i> , 2020 , 472, 1447-1456	4.6	9

38	Noninvasive and in vivo assessment of upper and lower limb skeletal muscle oxidative metabolism activity and microvascular responses to glucose ingestion in humans. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019 , 44, 1105-1111	3	9
37	The Vascular Side of Chronic Bed Rest: When a Therapeutic Approach Becomes Deleterious. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	7
36	Quantification of energy expenditure of military loaded runs: what is the performance of laboratory-based equations when applied to the field environment?. <i>Journal of the Royal Army Medical Corps</i> , 2018 , 164, 253-258	0.8	6
35	Ramp vs. step tests: valid alternatives to determine the maximal lactate steady-state intensity?. <i>European Journal of Applied Physiology</i> , 2021 , 121, 1899-1907	3.4	6
34	Aerobic Interval Training Impacts Muscle and Brain Oxygenation Responses to Incremental Exercise. <i>Frontiers in Physiology</i> , 2019 , 10, 1195	4.6	5
33	Duration of "Phase I" VO ₂ p: a comparison of methods used in its estimation and the effects of varying moderate-intensity work rate. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R238-47	3.2	5
32	Comments on point: counterpoint: the kinetics of oxygen uptake during muscular exercise do/do not manifest time-delayed phases. Profiles of the muscle fiber recruitment and the time-delayed slow phase. <i>Journal of Applied Physiology</i> , 2009 , 107, 1669	3.7	5
31	Evaluating the Accuracy of Using Fixed Ranges of METs to Categorize Exertional Intensity in a Heterogeneous Group of Healthy Individuals: Implications for Cardiorespiratory Fitness and Health Outcomes. <i>Sports Medicine</i> , 2021 , 51, 2411-2421	10.6	5
30	Response. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1998-9	1.2	4
29	Heart Rate-Index Estimates Oxygen Uptake, Energy Expenditure and Aerobic Fitness in Rugby Players. <i>Journal of Sports Science and Medicine</i> , 2018 , 17, 633-639	2.7	4
28	Identification of critical intensity from a single lactate measure during a 3-min, submaximal cycle-ergometer test. <i>Journal of Sports Sciences</i> , 2017 , 35, 2191-2197	3.6	3
27	Response to Letter from Tremblay & King: Near-infrared spectroscopy: can it measure conduit artery endothelial function?. <i>Experimental Physiology</i> , 2017 , 102, 128-129	2.4	3
26	Respiratory and muscular response to acute non-metabolic fatigue during ramp incremental cycling. <i>Respiratory Physiology and Neurobiology</i> , 2019 , 270, 103281	2.8	3
25	Prolonged static stretching causes acute, nonmetabolic fatigue and impairs exercise tolerance during severe-intensity cycling. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020 , 45, 902-910	3	3
24	Performance and Anthropometrics of Classic Powerlifters: Which Characteristics Matter?. <i>Journal of Strength and Conditioning Research</i> , 2020 ,	3.2	3
23	Quantitative and Qualitative Running Gait Analysis through an Innovative Video-Based Approach. <i>Sensors</i> , 2021 , 21,	3.8	3
22	Response. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 830	1.2	3
21	Commentaries on Viewpoint: V _o is an acceptable estimate of cardiorespiratory fitness but not V _o . <i>Journal of Applied Physiology</i> , 2018 , 125, 966-967	3.7	3

20	Effect of Endurance and Strength Training on the Slow Component of Kinetics in Elderly Humans. <i>Frontiers in Physiology</i> , 2018 , 9, 1353	4.6	3
19	Response. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 603	1.2	2
18	Time-course of running treadmill adaptation in novice treadmill runners. <i>Journal of Sports Sciences</i> , 2020 , 38, 2321-2328	3.6	2
17	Testing the Performance of an Innovative Markerless Technique for Quantitative and Qualitative Gait Analysis. <i>Sensors</i> , 2020 , 20,	3.8	2
16	Repeated passive mobilization to stimulate vascular function in individuals of advanced age who are chronically bedridden. A randomized controlled trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 ,	6.4	2
15	Full characterisation of knee extensors function in ageing: effect of sex and obesity. <i>International Journal of Obesity</i> , 2021 , 45, 895-905	5.5	2
14	Heart rate-index estimates aerobic metabolism in professional soccer players. <i>Journal of Science and Medicine in Sport</i> , 2020 , 23, 1208-1214	4.4	1
13	Attrition in Italian Ranger trainees during special forces training program: a preliminary investigation. <i>Sport Sciences for Health</i> , 2016 , 12, 479-483	1.3	1
12	Comment on "on the method of fitting cardiac output kinetics in severe exercise" by Richard L. Hughson and Azmy Faisal in Eur J Appl Physiol DOI 10.1007/s00421-010-1787-x. <i>European Journal of Applied Physiology</i> , 2012 , 112, 397-8; author reply 399-400	3.4	1
11	Accuracy of oxygen desaturation of hemoglobin in muscle by near-infrared oximeters. Author reply. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 1218	1.2	1
10	Metabolic instability vs fibre recruitment contribution to the [Formula: see text] slow component in different exercise intensity domains. <i>Pflugers Archiv European Journal of Physiology</i> , 2021 , 473, 873-882	4.6	1
9	DAILY time use, Physical Activity, quality of care and interpersonal relationships in patients with Schizophrenia spectrum disorders (DiAPASon): an Italian multicentre study. <i>BMC Psychiatry</i> , 2020 , 20, 287	4.2	0
8	Transient speeding of V O kinetics following acute sessions of sprint interval training: Similar exercise dose but different outcomes in older and young adults.. <i>Experimental Gerontology</i> , 2022 , 111826	4.5	0
7	Passive Mobilization-induced Vascular Function. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 237	1.2	
6	Bioenergetics of Cyclic Sports Activities on Land 2013 , 133-142		
5	Single Sprint Interval Training Session Induces Faster VO ₂ Kinetics that is Sustained for 72 Hours. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 638-639	1.2	
4	Impact Of Postpartum Exercise On Maternal Health And Infant Physical Activity And Sleep Behaviours. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 102-102	1.2	
3	Passive mobilization-induced vascular function adaptations in bedridden oldest-old.. <i>FASEB Journal</i> , 2018 , 32, 722.33	0.9	

- 2 Monitoring exercise intensity in diabetes: applicability of "heart rate-index" to estimate oxygen consumption during aerobic and resistance training. *Journal of Endocrinological Investigation*, **2020**, 43, 623-630 5.2
- 1 Testing The Performance Of An Innovative Video-based Technique For Gait Analysis. *Medicine and Science in Sports and Exercise*, **2020**, 52, 938-938 1.2