

Silvia Pogliaghi

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

2,037
citations

236612

25
h-index

253896

43
g-index

104
all docs

104
docs citations

104
times ranked

1813
citing authors

#	ARTICLE	IF	CITATIONS
1	Muscle oxygenation and pulmonary gas exchange kinetics during cycling exercise on-transitions in humans. <i>Journal of Applied Physiology</i> , 2003, 95, 149-158.	1.2	353
2	Exercise Intensity Thresholds. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1932-1940.	0.2	151
3	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.	0.2	106
4	The impact of gender, body dimension and body composition on hand-grip strength in healthy children. <i>Journal of Endocrinological Investigation</i> , 2002, 25, 431-435.	1.8	87
5	Vascular responsiveness determined by near-infrared spectroscopy measures of oxygen saturation. <i>Experimental Physiology</i> , 2016, 101, 34-40.	0.9	80
6	Repeatability of vascular responsiveness measures derived from near-infrared spectroscopy. <i>Physiological Reports</i> , 2016, 4, e12772.	0.7	68
7	Critical power: How different protocols and models affect its determination. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 742-747.	0.6	58
8	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, 590-595.	0.6	56
9	Adaptations to endurance training in the healthy elderly: arm cranking versus leg cycling. <i>European Journal of Applied Physiology</i> , 2006, 97, 723-731.	1.2	55
10	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, 16998-17015.	0.8	55
11	Determination of Maximal Lactate Steady State in Healthy Adults. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1208-1216.	0.2	53
12	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.	0.9	45
13	Measurement of a True $\dot{V}\dot{E}^{TM}O_2max$ during a Ramp Incremental Test Is Not Confirmed by a Verification Phase. <i>Frontiers in Physiology</i> , 2018, 9, 143.	1.3	44
14	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.	0.2	43
15	Improved $\dot{V}\dot{O}_2$ uptake kinetics and shift in muscle fiber type in high-altitude trekkers. <i>Journal of Applied Physiology</i> , 2011, 111, 1597-1605.	1.2	40
16	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.	1.1	38
17	The slow component of pulmonary $\dot{V}\dot{O}_2$ uptake accompanies peripheral muscle fatigue during high-intensity exercise. <i>Journal of Applied Physiology</i> , 2016, 121, 493-502.	1.2	37
18	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.	0.2	37

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19	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-R1166.	0.9	35
20	Anthropometrics of Italian Senior Male Rugby Union Players: From Elite to Second Division. <i>International Journal of Sports Physiology and Performance</i> , 2015, 10, 674-680.	1.1	35
21	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.	0.7	30
22	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.	0.6	29
23	Translating Ramp $\dot{V}\text{E}^{\text{TM}}\text{O}_2$ into Constant Power Output: A Novel Strategy that Minds the Gap. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2020-2028.	0.2	28
24	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-R823.	0.9	27
25	Algorithms, modelling and $\dot{V}\text{O}_2$ kinetics. <i>European Journal of Applied Physiology</i> , 2011, 111, 331-342.	1.2	25
26	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, 1517-1527.	1.2	25
27	Bioenergetics of the VO_2 slow component between exercise intensity domains. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 1447-1456.	1.3	25
28	Serial Assessment of Peak $\dot{V}\text{O}_2$ and $\dot{V}\text{O}_2$ Kinetics Early after Heart Transplantation. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 1798-1804.	0.2	24
29	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.	3.1	23
30	Effect of gravity on lung exhaled nitric oxide at rest and during exercise. <i>Respiration Physiology</i> , 1997, 107, 157-164.	2.8	20
31	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, 691-696.	1.2	18
32	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, 129-144.	1.2	17
33	Player's 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.	0.6	17
34	Influence of low and high dietary fat on physical performance in untrained males. <i>Medicine and Science in Sports and Exercise</i> , 1999, 31, 149-155.	0.2	16
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.	1.2	15
36	Aging: a portrait from gene expression profile in blood cells. <i>Aging</i> , 2016, 8, 1802-1821.	1.4	15

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37	â€œTailoredâ€•Submaximal Step Test for VO ₂ max Prediction in Healthy Older Adults. Journal of Aging and Physical Activity, 2014, 22, 261-268.	0.5	14
38	The Vascular Side of Chronic Bed Rest: When a Therapeutic Approach Becomes Deleterious. Journal of Clinical Medicine, 2020, 9, 918.	1.0	13
39	DAily time use, Physical Activity, quality of care and interpersonal relationships in patients with Schizophrenia spectrum disorders (DiAPASon): an Italian multicentre study. BMC Psychiatry, 2020, 20, 287.	1.1	12
40	Noninvasive and in vivo assessment of upper and lower limb skeletal muscle oxidative metabolism activity and microvascular responses to glucose ingestion in humans. Applied Physiology, Nutrition and Metabolism, 2019, 44, 1105-1111.	0.9	11
41	Quantification of energy expenditure of military loaded runs: what is the performance of laboratory-based equations when applied to the field environment?. Journal of the Royal Army Medical Corps, 2018, 164, 253-258.	0.8	9
42	Heart rate-index estimates aerobic metabolism in professional soccer players. Journal of Science and Medicine in Sport, 2020, 23, 1208-1214.	0.6	9
43	Quantitative and Qualitative Running Gait Analysis through an Innovative Video-Based Approach. Sensors, 2021, 21, 2977.	2.1	9
44	An Intensity-dependent Slow Component of HR Interferes with Accurate Exercise Implementation in Postmenopausal Women. Medicine and Science in Sports and Exercise, 2022, 54, 655-664.	0.2	9
45	Heart Rate-Index Estimates Oxygen Uptake, Energy Expenditure and Aerobic Fitness in Rugby Players. Journal of Sports Science and Medicine, 2018, 17, 633-639.	0.7	7
46	Comments on Point:Counterpoint: The kinetics of oxygen uptake during muscular exercise do/do not manifest time-delayed phases. Journal of Applied Physiology, 2009, 107, 1669-1675.	1.2	6
47	Duration of â€œPhase Iâ€•: a comparison of methods used in its estimation and the effects of varying moderate-intensity work rate. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R238-R247.	0.9	6
48	Effect of Endurance and Strength Training on the Slow Component of O ₂ Kinetics in Elderly Humans. Frontiers in Physiology, 2018, 9, 1353.	1.3	6
49	Aerobic Interval Training Impacts Muscle and Brain Oxygenation Responses to Incremental Exercise. Frontiers in Physiology, 2019, 10, 1195.	1.3	6
50	Metabolic instability vs fibre recruitment contribution to the $\dot{V}O_{2s}$ slow component in different exercise intensity domains. Pflugers Archiv European Journal of Physiology, 2021, 473, 873-882.	1.3	6
51	Performance and Anthropometrics of Classic Powerlifters. Journal of Strength and Conditioning Research, 2020, Publish Ahead of Print, .	1.0	6
52	Identification of critical intensity from a single lactate measure during a 3-min, submaximal cycle-ergometer test. Journal of Sports Sciences, 2017, 35, 2191-2197.	1.0	5
53	Respiratory and muscular response to acute non-metabolic fatigue during ramp incremental cycling. Respiratory Physiology and Neurobiology, 2019, 270, 103281.	0.7	5
54	Testing the Performance of an Innovative Markerless Technique for Quantitative and Qualitative Gait Analysis. Sensors, 2020, 20, 6654.	2.1	5

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55	Time-course of running treadmill adaptation in novice treadmill runners. <i>Journal of Sports Sciences</i> , 2020, 38, 2321-2328.	1.0	5
56	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, , .	1.7	5
57	Response. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1998-1999.	0.2	4
58	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.	0.9	4
59	Full characterisation of knee extensorsâ€™ function in ageing: effect of sex and obesity. <i>International Journal of Obesity</i> , 2021, 45, 895-905.	1.6	4
60	Attrition in Italian Ranger trainees during special forces training program: a preliminary investigation. <i>Sport Sciences for Health</i> , 2016, 12, 479-483.	0.4	3
61	Response to Letter from Tremblay & King: Nearâ€infrared spectroscopy: can it measure conduit artery endothelial function?. <i>Experimental Physiology</i> , 2017, 102, 128-129.	0.9	3
62	Commentaries on Viewpoint: $\dot{V}_{I\<sc>O\</sc>_{2\}peak}$ is an acceptable estimate of cardiorespiratory fitness but not $\dot{V}_{I\<sc>O\</sc>_{2\}max}$. <i>Journal of Applied Physiology</i> , 2018, 125, 966-967.	1.2	3
63	Response. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 830-830.	0.2	3
64	VO ₂ /PO Relationship In Type 2 Diabetic Subjects.. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 607.	0.2	3
65	Modeling $\dot{V}_{I\<sc>O\</sc>_{2\}on}$ -kinetics based on intensity-dependent delayed adjustment and loss of efficiency (DALE). <i>Journal of Applied Physiology</i> , 2022, 132, 1480-1488.	1.2	3
66	Response. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 603-603.	0.2	2
67	Response to the commentary on our paper â€bioenergetics of the VO ₂ slow component between exercise intensity domainsâ€™. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 1665-1666.	1.3	2
68	Transient speeding of $\dot{V}_{I\<sc>O\</sc>2}$ kinetics following acute sessions of sprint interval training: Similar exercise dose but different outcomes in older and young adults. <i>Experimental Gerontology</i> , 2022, 164, 111826.	1.2	2
69	Comment on â€On the method of fitting cardiac output kinetics in severe exerciseâ€™ by Richard L. Hughson and Azmy Faisal in <i>Eur J Appl Physiol</i> DOI 10.1007/s00421-010-1787-x. <i>European Journal of Applied Physiology</i> , 2012, 112, 397-398.	1.2	1
70	RESPONSE. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1218.	0.2	1
71	Monitoring exercise intensity in diabetes: applicability of â€heart rate-indexâ€™ to estimate oxygen consumption during aerobic and resistance training. <i>Journal of Endocrinological Investigation</i> , 2020, 43, 623-630.	1.8	1
72	Validation Of A Continuous-wave, Single-distance Nirs Oxymeter For The Determination Of Muscle Oxygenation During Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 117.	0.2	1

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73	Isotonic Training added to Aerobic Training And Heavy Warm-up:effect On Muscle Oxidative Metabolism In The Elderly. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 820.	0.2	1
74	Muscle Oxygenation During Incremental Arm-Cranking Exercise in Healthy and Hypertensive Elderly Humans. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S27.	0.2	0
75	Aerobic Training And Heavy Warm-up:effect On Muscle Oxidative Metabolism In The Elderly. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 24.	0.2	0
76	Anaerobic Threshold Determination In Young Males: Can Nirs Help?. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 749.	0.2	0
77	Bioenergetics of Cyclic Sports Activities on Land. , 2013, , 133-142.		0
78	Physical Activity Accumulation in Bouts and Nonbouts and Relation to Cardiorespiratory Fitness in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 236.	0.2	0
79	Effects Of High-intensity-interval-training (HIT) on Cardiovascular Fitness And Cardiometabolic Risk In The Elderly. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 269.	0.2	0
80	Glycemic Response To Acute Exercise In Type Ii Diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 754.	0.2	0
81	VO2 Slow Component. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 200.	0.2	0
82	Effect Of Strength Training On "excess"VO2 In Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 540.	0.2	0
83	Strength Training Between Science and Practice. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 125-126.	0.2	0
84	Single Sprint Interval Training Session Induces Faster VO2 Kinetics that is Sustained for 72 Hours. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 638-639.	0.2	0
85	Passive Mobilization-induced Vascular Function. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 237.	0.2	0
86	Testing The Performance Of An Innovative Video-based Technique For Gait Analysis. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 938-938.	0.2	0
87	Muscle Oxygenation during Incremental Cycling Exercise in Healthy and Hypertensive Elderly Humans. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S330.	0.2	0
88	Muscle Oxygenation during Incremental Arm and Leg Exercise in Professional Rugby Union Players. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 210.	0.2	0
89	Effect Of Aerobic Training On Muscle Oxygenation During Incremental Cycling Exercise In Healthy And Hypertensive Elderly. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S461.	0.2	0
90	Physiological And Anthropometric Characteristics Of The Italian National Women Rugby Union Team. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 308-309.	0.2	0

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91	Effect Of A Medium-term High Fat Diet On Muscle Oxidative Metabolism In Healthy Males.. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 101.	0.2	0
92	Anthropometrics Of Senior Male Italian Rugby Union Players. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 612-613.	0.2	0
93	Effect Of Incomplete Recovery On Vo2-on Kinetic During Moderate-intensity Exercise Transitions In Healthy Males.. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 524-525.	0.2	0
94	A Single Sub-maximal 3-min Test For Critical Power Estimation. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 207.	0.2	0
95	â€œExcessâ€•Vo2. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 199.	0.2	0
96	Passive mobilizationâ€•induced vascular function adaptations in bedridden oldestâ€•old.. <i>FASEB Journal</i> , 2018, 32, 722.33.	0.2	0
97	Exercise Duration Affects Maximal Fat Oxidation In Post- Menopausal Women: Implications For Exercise Prescription. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1083-1083.	0.2	0
98	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.	0.2	0
99	Correspondence Between Indexes Of Maximal Fat Oxidation From Ramp Vs Steady-state Protocols In Postmenopausal Women. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1085-1085.	0.2	0