

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	An Intensity-dependent Slow Component of HR Interferes with Accurate Exercise Implementation in Postmenopausal Women. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 655-664.	0.2	9
2	Transient speeding of $\dot{V}O_2$ 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
3	Modeling $\dot{V}O_2$ 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
4	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
5	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
6	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
7	Quantitative and Qualitative Running Gait Analysis through an Innovative Video-Based Approach. <i>Sensors</i> , 2021, 21, 2977.	2.1	9
8	Metabolic instability vs fibre recruitment contribution to the $\dot{V}O_2$ slow component in different exercise intensity domains. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 873-882.	1.3	6
9	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
10	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
11	Monitoring exercise intensity in diabetes: applicability of "heart rate-index" to estimate oxygen consumption during aerobic and resistance training. <i>Journal of Endocrinological Investigation</i> , 2020, 43, 623-630.	1.8	1
12	Bioenergetics of the VO_2 slow component between exercise intensity domains. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 1447-1456.	1.3	25
13	Response to the commentary on our paper "bioenergetics of the VO_2 slow component between exercise intensity domains". <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 1665-1666.	1.3	2
14	Testing the Performance of an Innovative Markerless Technique for Quantitative and Qualitative Gait Analysis. <i>Sensors</i> , 2020, 20, 6654.	2.1	5
15	A "Stepâ€”Rampâ€”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
16	Translating Ramp $\dot{V}E^{TM}O_2$ 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
17	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
18	Heart rate-index estimates aerobic metabolism in professional soccer players. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 1208-1214.	0.6	9

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19	Time-course of running treadmill adaptation in novice treadmill runners. <i>Journal of Sports Sciences</i> , 2020, 38, 2321-2328.	1.0	5
20	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.	1.1	12
21	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
22	The Vascular Side of Chronic Bed Rest: When a Therapeutic Approach Becomes Deleterious. <i>Journal of Clinical Medicine</i> , 2020, 9, 918.	1.0	13
23	Performance and Anthropometrics of Classic Powerlifters. <i>Journal of Strength and Conditioning Research</i> , 2020, Publish Ahead of Print, .	1.0	6
24	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
25	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
26	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
27	Aerobic Interval Training Impacts Muscle and Brain Oxygenation Responses to Incremental Exercise. <i>Frontiers in Physiology</i> , 2019, 10, 1195.	1.3	6
28	Respiratory and muscular response to acute non-metabolic fatigue during ramp incremental cycling. <i>Respiratory Physiology and Neurobiology</i> , 2019, 270, 103281.	0.7	5
29	Response. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 603-603.	0.2	2
30	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.	0.9	11
31	Response. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 830-830.	0.2	3
32	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
33	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	9
34	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
35	Commentaries on Viewpoint: $\dot{V}_{I\ddot{z}}\langle scp \rangle \langle o \rangle \langle /scp \rangle \langle sub \rangle 2peak \langle /sub \rangle$ is an acceptable estimate of cardiorespiratory fitness but not $\dot{V}_{I\ddot{z}}\langle scp \rangle \langle o \rangle \langle /scp \rangle \langle sub \rangle 2max \langle /sub \rangle$. <i>Journal of Applied Physiology</i> , 2018, 125, 966-967.	1.2	3
36	Effect of Endurance and Strength Training on the Slow Component of O ₂ Kinetics in Elderly Humans. <i>Frontiers in Physiology</i> , 2018, 9, 1353.	1.3	6

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37	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
38	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
39	Measurement of a True $\dot{V}\dot{E}^{\text{TM}}\text{O}_2\text{max}$ during a Ramp Incremental Test Is Not Confirmed by a Verification Phase. <i>Frontiers in Physiology</i> , 2018, 9, 143.	1.3	44
40	Passive Mobilization-induced Vascular Function. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 237.	0.2	0
41	Passive mobilization-induced vascular function adaptations in bedridden oldest-old. <i>FASEB Journal</i> , 2018, 32, 722.33.	0.2	0
42	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.	0.7	7
43	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.	1.0	5
44	Response to Letter from Tremblay & King: Near-infrared spectroscopy: can it measure conduit artery endothelial function?. <i>Experimental Physiology</i> , 2017, 102, 128-129.	0.9	3
45	Effect Of Strength Training On "excess" VO_2 In Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 540.	0.2	0
46	Strength Training Between Science and Practice. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 125-126.	0.2	0
47	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.	0.2	0
48	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
49	Repeatability of vascular responsiveness measures derived from near-infrared spectroscopy. <i>Physiological Reports</i> , 2016, 4, e12772.	0.7	68
50	Vascular responsiveness determined by near-infrared spectroscopy measures of oxygen saturation. <i>Experimental Physiology</i> , 2016, 101, 34-40.	0.9	80
51	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.	1.2	37
52	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
53	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
54	VO_2 Slow Component. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 200.	0.2	0

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55	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
56	VO2/PO Relationship In Type 2 Diabetic Subjects.. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 607.	0.2	3
57	Aging: a portrait from gene expression profile in blood cells. <i>Aging</i> , 2016, 8, 1802-1821.	1.4	15
58	â€œExcessâ€•Vo2. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 199.	0.2	0
59	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
60	Response. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1998-1999.	0.2	4
61	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
62	Glycemic Response To Acute Exercise In Type Ii Diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 754.	0.2	0
63	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
64	Exercise Intensity Thresholds. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1932-1940.	0.2	151
65	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
66	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
67	â€œTailoredâ€•Submaximal Step Test for VO2max Prediction in Healthy Older Adults. <i>Journal of Aging and Physical Activity</i> , 2014, 22, 261-268.	0.5	14
68	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
69	Anthropometrics Of Senior Male Italian Rugby Union Players. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 612-613.	0.2	0
70	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
71	Bioenergetics of Cyclic Sports Activities on Land. , 2013, , 133-142.		0
72	Duration of â€œPhase Iâ€•Vo2p: 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-R247.	0.9	6

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73	RESPONSE. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1218.	0.2	1
74	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
75	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
76	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
77	Comment on "On the method of fitting cardiac output kinetics in severe exercise" 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
78	Algorithms, modelling and \dot{V}_{O_2} kinetics. <i>European Journal of Applied Physiology</i> , 2011, 111, 331-342.	1.2	25
79	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
80	Improved \dot{V}_{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
81	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
82	Anaerobic Threshold Determination In Young Males: Can Nirs Help?. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 749.	0.2	0
83	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
84	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
85	Comments on Point:Counterpoint: The kinetics of oxygen uptake during muscular exercise do/do not manifest time-delayed phases. <i>Journal of Applied Physiology</i> , 2009, 107, 1669-1675.	1.2	6
86	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
87	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
88	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
89	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
90	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

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91	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
92	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
93	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
94	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
95	Serial Assessment of Peak $\dot{V}O_2$ and $\dot{V}O_2$ Kinetics Early after Heart Transplantation. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 1798-1804.	0.2	24
96	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
97	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
98	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
99	Effect of gravity on lung exhaled nitric oxide at rest and during exercise. <i>Respiration Physiology</i> , 1997, 107, 157-164.	2.8	20