Arno Schmidt-TrucksÃ¤ss

List of Publications by Year
in descending order

218 papers	5,964 citations	87888 38 h-index	110387 64 g-index
235 all docs	235 docs citations	235 times ranked	8634 citing authors

#	Article	IF	Citations
1	The role of vascular biomarkers for primary and secondary prevention. A position paper from the European Society of Cardiology Working Group on peripheral circulation. Atherosclerosis, 2015, 241, 507-532.	0.8	587
2	Breath Sensors for Health Monitoring. ACS Sensors, 2019, 4, 268-280.	7.8	244
3	Stromelysin-1 and Interleukin-6 Gene Promoter Polymorphisms Are Determinants of Asymptomatic Carotid Artery Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 2657-2662.	2.4	202
4	Endothelial function in cardiovascular medicine: a consensus paper of the European Society of Cardiology Working Groups on Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis. Cardiovascular Research, 2021, 117, 29-42.	3.8	164
5	Using snakes to detect the intimal and adventitial layers of the common carotid artery wall in sonographic images. Computer Methods and Programs in Biomedicine, 2002, 67, 27-37.	4.7	146
6	Structural, Functional, and Hemodynamic Changes of the Common Carotid Artery With Age in Male Subjects. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 1091-1097.	2.4	122
7	Size and blood flow of central and peripheral arteries in highly trained able-bodied and disabled athletes. Journal of Applied Physiology, 2003, 95, 685-691.	2.5	112
8	Validity of activity trackers, smartphones, and phone applications to measure steps in various walking conditions. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 1818-1827.	2.9	93
9	Accelerometer-Based Quantification of 6-Minute Walk Test Performance in Patients With Chronic Heart Failure: Applicability in Telemedicine. Journal of Cardiac Failure, 2009, 15, 334-340.	1.7	91
10	Aerobic, resistance and combined exercise training on arterial stiffness in normotensive and hypertensive adults: A review. European Journal of Sport Science, 2015, 15, 443-457.	2.7	90
11	Carotid intima-media thickness as a biomarker of subclinical atherosclerosis. Swiss Medical Weekly, 2012, 142, w13705.	1.6	87
12	Exercise-induced alterations of retinal vessel diameters and cardiovascular risk reduction in obesity. Atherosclerosis, 2011, 216, 433-439.	0.8	80
13	The effects of classic altitude training on hemoglobin mass in swimmers. European Journal of Applied Physiology, 2013, 113, 1199-1211.	2.5	78
14	Exposure to Road, Railway, and Aircraft Noise and Arterial Stiffness in the SAPALDIA Study: Annual Average Noise Levels and Temporal Noise Characteristics. Environmental Health Perspectives, 2017, 125, 097004.	6.0	78
15	Obesity, High Blood Pressure, and Physical Activity Determine Vascular Phenotype in Young Children. Hypertension, 2019, 73, 153-161.	2.7	74
16	Daily walking performance as an independent predictor of advanced heart failure. American Heart Journal, 2009, 157, 292-298.	2.7	70
17	Dynamic retinal vessel response to flicker in obesity: A methodological approach. Microvascular Research, 2011, 81, 123-128.	2.5	69
18	Retinal vessel diameter, obesity and metabolic risk factors in school children (JuvenTUM 3). Atherosclerosis, 2012, 221, 242-248.	0.8	69

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19	PHYSICAL PERFORMANCE AND CARDIOVASCULAR AND METABOLIC ADAPTATION OF ELITE FEMALE WHEELCHAIR BASKETBALL PLAYERS IN WHEELCHAIR ERGOMETRY AND IN COMPETITION1. American Journal of Physical Medicine and Rehabilitation, 1998, 77, 527-533.	1.4	56
20	Effectiveness of a Behavior Change Techniqueâ€“Based Smartphone Game to Improve Intrinsic Motivation and Physical Activity Adherence in Patients With Type 2 Diabetes: Randomized Controlled Trial. JMIR Serious Games, 2019, 7, e11444.	3.1	56
21	Magnetic resonance imaging of myocardial injury and ventricular torsion after marathon running. Clinical Science, 2011, 120, 143-152.	4.3	55
22	Catecholamines Response of High Performance Wheelchair Athletes at Rest and During Exercise with Autonomic Dysreflexia. International Journal of Sports Medicine, 2001, 22, 2-7.	1.7	53
23	Relationship Between 24-Hour Ambulatory Central Systolic Blood Pressure and Left Ventricular Mass. Hypertension, 2017, 70, 1157-1164.	2.7	52
24	Assessment of carotid wall motion and stiffness with tissue doppler imaging. Ultrasound in Medicine and Biology, 1998, 24, 639-646.	1.5	51
25	Metabolic Syndrome and the Progression of Carotid Intima-Media Thickness in Elderly Women. Archives of Internal Medicine, 2006, 166, 444.	3.8	50
26	Acute effects of interval versus continuous endurance training on pulse wave reflection in healthy young men. Atherosclerosis, 2015, 238, 399-406.	0.8	49
27	Lipoproteins and free plasma catecholamines in spinal cord injured men with different injury levels. Clinical Physiology, 2000, 20, 304-310.	0.7	48
28	Validation of automatic wear-time detection algorithms in a free-living setting of wrist-worn and hip-worn ActiGraph GT3X+. BMC Public Health, 2019, 19, 244.	2.9	48
29	GLP-1 secretion is regulated by IL-6 signalling: a randomised, placebo-controlled study. Diabetologia, 2020, 63, 362-373.	6.3	48
30	The Transeurope Footrace Project: longitudinal data acquisition in a cluster randomized mobile MRI observational cohort study on 44 endurance runners at a 64-stage 4,486km transcontinental ultramarathon. BMC Medicine, 2012, 10, 78.	5.5	47
31	Heart rate, heart rate variability and inflammatory biomarkers among young and healthy adults. Annals of Medicine, 2017, 49, 32-41.	3.8	47
32	Relation of leisure-time physical activity to structural and functional arterial properties of the common carotid artery in male subjects. Atherosclerosis, 1999, 145, 107-114.	0.8	45
33	Early atherosclerosis in childhood type 1 diabetes: role of raised systolic blood pressure in the absence of dyslipidaemia. European Journal of Pediatrics, 2007, 166, 541-548.	2.7	45
34	Physical activity is associated with lower arterial stiffness in older adults: results of the SAPALDIA 3 Cohort Study. European Journal of Epidemiology, 2016, 31, 275-285.	5.7	45
35	Novel Smartphone Game Improves Physical Activity Behavior in Type 2 Diabetes. American Journal of Preventive Medicine, 2019, 57, 41-50.	3.0	42
36	Atherosclerotic risk and social jetlag in rotating shift-workers: First evidence from a pilot study. Work, 2013, 46, 273-282.	1.1	41

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37	The Role of Gas Exchange Variables in Cardiopulmonary Exercise Testing for Risk Stratification and Management of Heart Failure with Reduced Ejection Fraction. American Heart Journal, 2018, 202, 116-126.	2.7	41
38	Physical Activity and the Metabolic Syndrome in Elderly German Men and Women: Results from the population-based KORA Survey. Diabetes Care, 2009, 32, 511-513.	8.6	40
39	Effects of Exergaming on Physical Activity in Overweight Individuals. Sports Medicine, 2016, 46, 845-860.	6.5	40
40	Diurnal variability of transportation noise exposure and cardiovascular mortality: A nationwide cohort study from Switzerland. International Journal of Hygiene and Environmental Health, 2018, 221, 556-563.	4.3	40
41	Computerized analysing system using the active contour in ultrasound measurement of carotid artery intima-media thickness. Clinical Physiology, 2001, 21, 561-569.	0.7	39
42	Modulation of dendritic cells and toll-like receptors by marathon running. European Journal of Applied Physiology, 2012, 112, 1699-1708.	2.5	39
43	Is physical activity a modifier of the association between air pollution and arterial stiffness in older adults: The SAPALDIA cohort study. International Journal of Hygiene and Environmental Health, 2017, 220, 1030-1038.	4.3	38
44	Quantitative measurement of carotid intima-media roughnessâ€"effect of age and manifest coronary artery disease. Atherosclerosis, 2003, 166, 57-65.	0.8	36
45	Relationship between objectively measured physical activity and cardiovascular aging in the general population â€“ The EVIDENT trial. Atherosclerosis, 2014, 233, 434-440.	0.8	36
46	In Athletes, the Diurnal Variations in Maximum Oxygen Uptake Are More Than Twice as Large as the Day-to-Day Variations. Frontiers in Physiology, 2019, 10, 219.	2.8	36
47	An internet-delivered exercise intervention for workplace health promotion in overweight sedentary employees: A randomized trial. Preventive Medicine, 2010, 51, 234-239.	3.4	35
48	Healthy lifestyle and heart rate variability in young adults. European Journal of Preventive Cardiology, 2016, 23, 1037-1044.	1.8	34
49	P value functions: An underused method to present research results and to promote quantitative reasoning. Statistics in Medicine, 2019, 38, 4189-4197.	1.6	34
50	Mobile Exergaming for Healthâ€"Effects of a serious game application for smartphones on physical activity and exercise adherence in type 2 diabetes mellitusâ€"study protocol for a randomized controlled trial. Trials, 2017, 18, 103.	1.6	32
51	Effect of E-Bike Versus Bike Commuting on Cardiorespiratory Fitness in Overweight Adults: A 4-Week Randomized Pilot Study. Clinical Journal of Sport Medicine, 2018, 28, 255-265.	1.8	32
52	The 6-min walk test in heart failure: is it a max or sub-maximum exercise test?. European Journal of Applied Physiology, 2009, 107, 317-323.	2.5	31
53	An Automated, Interactive Analysis System for Ultrasound Sequences of the Common Carotid Artery. Ultrasound in Medicine and Biology, 2012, 38, 1440-1450.	1.5	31
54	Long-term physical activity is associated with reduced arterial stiffness in older adults: longitudinal results of the SAPALDIA cohort study. Age and Ageing, 2016, 45, 110-115.	1.6	31

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55	Changes in Cartilage Biomarker Levels During a Transcontinental Multistage Footrace Over 4486 km. American Journal of Sports Medicine, 2017, 45, 2630-2636.	4.2	30
56	Functional aging in health and heart failure: the COmPLETE Study. BMC Cardiovascular Disorders, 2019, 19, 180.	1.7	30
57	Novel CPET Reference Values in Healthy Adults: Associations with Physical Activity. Medicine and Science in Sports and Exercise, 2021, 53, 26-37.	0.4	30
58	Association of daily physical activity volume and intensity with COPD severity. Respiratory Medicine, 2011, 105, 1846-1852.	2.9	28
59	Daily Walking Intensity as a Predictor of Quality of Life in Patients with Chronic Obstructive Pulmonary Disease. Medicine and Science in Sports and Exercise, 2012, 44, 1212-1218.	0.4	28
60	Empirical evidence for a relationship between narcissistic personality traits and job burnout. Burnout Research, 2016, 3, 25-33.	4.5	28
61	Superior Effects of High-Intensity Interval Training vs. Moderate Continuous Training on Arterial Stiffness in Episodic Migraine: A Randomized Controlled Trial. Frontiers in Physiology, 2017, 8, 1086.	2.8	28
62	Exercise and Arterial Stiffness in the Elderly: A Combined Cross-Sectional and Randomized Controlled Trial (EXAMIN AGE). Frontiers in Physiology, 2019, 10, 1119.	2.8	28
63	New Data-based Cutoffs for Maximal Exercise Criteria across the Lifespan. Medicine and Science in Sports and Exercise, 2020, 52, 1915-1923.	0.4	28
64	Atherogenesis in youth â€“ Early consequence of adolescent smoking. Atherosclerosis, 2013, 230, 304-309.	0.8	27
65	The Stimulating Effect of Bright Light on Physical Performance Depends on Internal Time. PLoS ONE, 2012, 7, e40655.	2.5	27
66	The Swiss Transplant Cohort Study's Framework for Assessing Lifelong Psychosocial Factors in Solid-Organ Transplants. Progress in Transplantation, 2013, 23, 235-246.	0.7	26
67	Influence of physical fitness and activity behavior on retinal vessel diameters in primary schoolchildren. Scandinavian Journal of Medicine and Science in Sports, 2016, 26, 731-738.	2.9	26
68	Heart Rate Variability and Sleep-Related Breathing Disorders in the General Population. American Journal of Cardiology, 2016, 118, 912-917.	1.6	25
69	Hypertension, diabetes and lifestyle in the long-term â€” Results from a Swiss population-based cohort. Preventive Medicine, 2017, 97, 56-61.	3.4	25
70	Association of Occupational and Leisure-Time Physical Activity with Aerobic Capacity in a Working Population. PLoS ONE, 2017, 12, e0168683.	2.5	25
71	Alpha-1 antitrypsin deficiency: From the lung to the heart?. Atherosclerosis, 2018, 270, 166-172.	0.8	24
72	The effects of exercise on sleep in unipolar depression: A systematic review and network meta-analysis. Sleep Medicine Reviews, 2021, 59, 101452.	8.5	24

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73	Dynamic retinal vessel response to flicker in age-related macular degeneration patients before and after vascular endothelial growth factor inhibitor injection. Acta Ophthalmologica, 2011, 89, 472-479.	1.1	23
74	Reproducibility of oscillometrically measured arterial stiffness indices: Results of the SAPALDIA 3 cohort study. Scandinavian Journal of Clinical and Laboratory Investigation, 2015, 75, 170-176.	1.2	23
75	Association of body composition and blood pressure categories with retinal vessel diameters in primary school children. Hypertension Research, 2016, 39, 423-429.	2.7	23
76	Exercise, Arterial Crosstalk-Modulation, and Inflammation in an Aging Population: The ExAMIN AGE Study. Frontiers in Physiology, 2018, 9, 116.	2.8	23
77	Automatic detection of the intimal and the adventitial layers of the common carotid artery wall in ultrasound B-mode images using snakes. , 0, , .		22
78	Pedometer Accuracy in Patients with Chronic Heart Failure. International Journal of Sports Medicine, 2010, 31, 186-191.	1.7	22
79	Immunomodulatory Effects of Aerobic Training in Obesity. Mediators of Inflammation, 2011, 2011, 1-10.	3.0	22
80	Variability and reproducibility of carotid structural and functional parameters assessed with transcutaneous ultrasound â€“ Results from the SAPALDIA Cohort Study. Atherosclerosis, 2013, 231, 448-455.	0.8	22
81	Association of blood pressure, obesity and physical activity with arterial stiffness in children: a systematic review and meta-analysis. Pediatric Research, 2022, 91, 502-512.	2.3	22
82	Normative data and standard operating procedures for static and dynamic retinal vessel analysis as biomarker for cardiovascular risk. Scientific Reports, 2021, 11, 14136.	3.3	22
83	Synergistic Effects of Elevated Systolic Blood Pressure and Hypercholesterolemia on Carotid Intimaâ€“Media Thickness in Children and Adolescents. Pediatric Cardiology, 2009, 30, 1131-1136.	1.3	21
84	Balance and gait performance after maximal and submaximal endurance exercise in seniors: is there a higher fall-risk?. European Journal of Applied Physiology, 2013, 113, 661-669.	2.5	21
85	Marathon performance but not BMI affects post-marathon pro-inflammatory and cartilage biomarkers. Journal of Sports Sciences, 2017, 35, 711-718.	2.0	21
86	Acute respiratory health effects of urban air pollutants in adults with different patterns of underlying respiratory disease. Swiss Medical Weekly, 2012, 142, w13681.	1.6	21
87	Adult-like but regressive increase of intima-media thickness and roughness in a child with type 1 diabetes. Pediatric Diabetes, 2005, 6, 161-164.	2.9	20
88	Association of Physical Activity and Prognostic Parameters in Elderly Patients With Heart Failure. Journal of Aging and Physical Activity, 2011, 19, 1-15.	1.0	20
89	Does Increased Blood Pressure Rather Than Aging Influence Retinal Pulse Wave Velocity?. , 2012, 53, 2119.		20
90	Diurnal variation of arterial stiffness in healthy individuals of different ages and patients with heart disease. Scandinavian Journal of Clinical and Laboratory Investigation, 2014, 74, 155-162.	1.2	20

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91	Does a Single Session of High-Intensity Interval Training Provoke a Transient Elevated Risk of Falling in Seniors and Adults?. Gerontology, 2015, 61, 15-23.	2.8	20
92	Effects of Endurance Exercise Modalities on Arterial Stiffness in Patients Suffering from Unipolar Depression: A Randomized Controlled Trial. Frontiers in Psychiatry, 2018, 8, 311.	2.6	20
93	Breath acetone change during aerobic exercise is moderated by cardiorespiratory fitness. Journal of Breath Research, 2021, 15, 016006.	3.0	19
94	The effect of workplace smoking bans on heart rate variability and pulse wave velocity of non-smoking hospitality workers. International Journal of Public Health, 2014, 59, 577-585.	2.3	18
95	Sex-specific associations of cardiovascular risk factors with carotid stiffness â€“ Results from the SAPALDIA Cohort Study. Atherosclerosis, 2014, 235, 576-584.	0.8	18
96	Effects of acute bouts of endurance exercise on retinal vessel diameters are age and intensity dependent. Age, 2014, 36, 9650.	3.0	18
97	Diurnal and day-to-day variations in isometric and isokinetic strength. Chronobiology International, 2019, 36, 1537-1549.	2.0	18
98	Automatic detection of the carotid artery boundary on cross-sectional MR image sequences using a circle model guided dynamic programming. BioMedical Engineering OnLine, 2011, 10, 26.	2.7	17
99	Correlates and Outcomes of Low Physical Activity Posttransplant: A Systematic Review and Meta-Analysis. Transplantation, 2019, 103, 679-688.	1.0	17
100	Which Cutoffs for Secondary VË™O2max Criteria Are Robust to Diurnal Variations?. Medicine and Science in Sports and Exercise, 2019, 51, 1006-1013.	0.4	17
101	Endothelial function of healthy adults from 20 to 91 years of age: prediction of cardiovascular risk by vasoactive range. Journal of Hypertension, 2021, 39, 1361-1369.	0.5	17
102	Diagnosing Overtraining Syndrome: A Scoping Review. Sports Health, 2022, 14, 665-673.	2.7	17
103	How to improve walking, balance and social participation following stroke: a comparison of the long term effects of two walking aids--canes and an orthosis TheraTogs--on the recovery of gait following acute stroke. A study protocol for a multi-centre, single blind, randomised control trial. BMC Neurology, 2012, 12, 18.	1.8	16
104	Infectious diseases are associated with carotid intima media thickness in adolescence. Atherosclerosis, 2015, 243, 609-615.	0.8	16
105	Lung function, obesity and physical fitness in young children: The EXAMIN YOUTH study. Respiratory Medicine, 2019, 159, 105813.	2.9	16
106	Validity of smartphones and activity trackers to measure steps in a free-living setting over three consecutive days. Physiological Measurement, 2020, 41, 015001.	2.1	16
107	Metabolic View on Human Healthspan: A Lipidome-Wide Association Study. Metabolites, 2021, 11, 287.	2.9	16
108	The Relationship of Left Ventricular to Femoral Artery Structure in Male Athletes. Medicine and Science in Sports and Exercise, 2003, 35, 214-219.	0.4	15

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109	Sequential based analysis of Intima-Media Thickness (IMT) in common carotid artery studies. Atherosclerosis, 2007, 195, e203-e209.	0.8	15
110	Non-Diabetic Chronic Kidney Disease Influences Retinal Microvasculature. Kidney and Blood Pressure Research, 2009, 32, 428-433.	2.0	15
111	Synchronous MRI of muscle motion induced by electrical stimulation. Magnetic Resonance in Medicine, 2017, 77, 664-672.	3.0	15
112	MOBIlity assessment with modern TEChnology in older patientsâ€™ real-life by the General Practitioner: the MOBITEC-GP study protocol. BMC Public Health, 2019, 19, 1703.	2.9	15
113	Automated Detection of the Arterial Inner Walls of the Common Carotid Artery Based on Dynamic B-Mode Signals. Sensors, 2010, 10, 10601-10619.	3.8	14
114	Extreme exercise enhances chromogranin A levels correlating with stress levels but not with cardiac burden. Atherosclerosis, 2012, 220, 219-222.	0.8	14
115	Relation of Cardiorespiratory Fitness to Risk of Subclinical Atherosclerosis in Men With Cardiometabolic Syndrome. American Journal of Cardiology, 2016, 118, 1282-1286.	1.6	14
116	Beyond intima-media-thickness: Analysis of the carotid intima-media-roughness in a paediatric population. Atherosclerosis, 2016, 251, 164-169.	0.8	14
117	Prime Time Light Exposures Do Not Seem to Improve Maximal Physical Performance in Male Elite Athletes, but Enhance End-Spurt Performance. Frontiers in Physiology, 2017, 8, 264.	2.8	14
118	Effects of different endurance exercise modalities on retinal vessel diameters in unipolar depression. Microvascular Research, 2018, 120, 111-116.	2.5	14
119	Short- and Long-Term Effects of Bariatric Surgery on Vascular Phenotype. Obesity Surgery, 2019, 29, 1301-1308.	2.1	14
120	Cardiovascular risk in pediatric type 1 diabetes: sex-specific intima-media thickening verified by automatic contour identification and analyzing systems. Pediatric Diabetes, 2012, 13, 251-258.	2.9	13
121	Doseâ€“response relationship between light exposure and cycling performance. Scandinavian Journal of Medicine and Science in Sports, 2016, 26, 794-801.	2.9	13
122	Physical inactivity caused economic burden depends on regional cultural differences. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 95-104.	2.9	13
123	Ultra-endurance sports have no negative impact on indices of arterial stiffness. European Journal of Applied Physiology, 2014, 114, 49-57.	2.5	12
124	Lower Body vs. Upper Body Resistance Training and Arterial Stiffness in Young Men. International Journal of Sports Medicine, 2015, 36, 960-967.	1.7	12
125	ZumBeat: Evaluation of a Zumba Dance Intervention in Postmenopausal Overweight Women. Sports, 2016, 4, 5.	1.7	12
126	Recommendations for Aerobic Endurance Training Based on Subjective Ratings of Perceived Exertion in Healthy Seniors. Journal of Aging and Physical Activity, 2013, 21, 100-111.	1.0	11

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127	Decreased levels of homoarginine and asymmetric dimethylarginine in children with type 1 diabetes: associations with cardiovascular risk factors but no effect by atorvastin. Journal of Pediatric Endocrinology and Metabolism, 2015, 28, 147-52.	0.9	11
128	Is there a gender-specific association between asthma and carotid intima media thickness in Swiss adolescents?. European Journal of Pediatrics, 2018, 177, 699-707.	2.7	11
129	Cardiac structure and function in response to a multi-stage marathon over 4486â€‰km. European Journal of Preventive Cardiology, 2021, 28, 1102-1109.	1.8	11
130	Correlates and outcomes of alcohol use after single solid organ transplantation: A systematic review and meta-analysis. Transplantation Reviews, 2019, 33, 17-28.	2.9	11
131	Recovery of mobility function and life-space mobility after ischemic stroke: the MOBITEC-Stroke study protocol. BMC Neurology, 2020, 20, 348.	1.8	11
132	Metabolic Impairment in Coronary Artery Disease: Elevated Serum Acylcarnitines Under the Spotlights. Frontiers in Cardiovascular Medicine, 2021, 8, 792350.	2.4	11
133	Quantification of the Wall Inhomogeneity in B-mode Sonographic Images of the Carotid Artery. Journal of Ultrasound in Medicine, 2002, 21, 1395-1404.	1.7	10
134	Effects of Exercise on Plasma Lipoproteins. New England Journal of Medicine, 2003, 348, 1494-1496.	27.0	10
135	Retinal Vessel Analysis (RVA) in the Context of Subarachnoid Hemorrhage - A Proof of Concept Study. PLoS ONE, 2016, 11, e0158781.	2.5	10
136	Cardiorespiratory Exertion While Playing Video Game Exercises in Elderly Individuals With Type 2 Diabetes. Clinical Journal of Sport Medicine, 2016, 26, 326-331.	1.8	10
137	Association of cardiorespiratory fitness with retinal vessel diameters as a biomarker of cardiovascular risk. Microvascular Research, 2018, 120, 36-40.	2.5	10
138	Perception of parks and trails as mobility facilitators and transportation walking in older adults: a study using digital geographical maps. Aging Clinical and Experimental Research, 2019, 31, 673-683.	2.9	10
139	Physical Activity Interventions for Primary Prevention in Adults: A Systematic Review of Randomized Controlled Trial-Based Economic Evaluations. Sports Medicine, 2020, 50, 731-750.	6.5	10
140	Map-based assessment of older adultsâ€™ life space: validity and reliability. European Review of Aging and Physical Activity, 2020, 17, 21.	2.9	10
141	Methodological aspects for accelerometer-based assessment of physical activity in heart failure and health. BMC Medical Research Methodology, 2021, 21, 251.	3.1	10
142	Associations of Daily Walking Activity with Biomarkers Related to Cardiac Distress in Patients with Chronic Obstructive Pulmonary Disease. Respiration, 2013, 85, 195-202.	2.6	9
143	High prevalence of physical inactivity among patients from the Swiss HIV Cohort Study. AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV, 2017, 29, 1056-1061.	1.2	9
144	The Obesity Factor: How Cardiorespiratory Fitness is Estimated More Accurately in People with Obesity. Obesity, 2018, 26, 291-298.	3.0	9

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145	Mediating effects of exercise capacity on the association between physical activity and healthâ€related quality of life among adolescents with complex congenital heart disease. American Journal of Human Biology, 2019, 31, e23297.	1.6	9
146	Impact of sedentary behavior on large artery structure and function in children and adolescents: a systematic review. European Journal of Pediatrics, 2020, 179, 17-27.	2.7	9
147	Let the games begin: Serious games in prevention and rehabilitation to improve outcomes in patients with cardiovascular disease. European Journal of Cardiovascular Nursing, 2020, 19, 558-560.	0.9	9
148	Physical activity is favorably associated with arterial stiffness in patients with obesity and elevated metabolic risk. International Journal of Clinical Practice, 2020, 74, e13563.	1.7	9
149	How Ceramides Orchestrate Cardiometabolic Healthâ€"An Ode to Physically Active Living. Metabolites, 2021, 11, 675.	2.9	9
150	Influence of Physiologic Cardiac Hypertrophy on the Prevalence of Heart Valve Regurgitation. Journal of Ultrasound in Medicine, 2008, 27, 85-93.	1.7	8
151	Structural Alterations of Retinal Arterioles in Adults Late After Repair of Aortic Isthmic Coarctation. American Journal of Cardiology, 2010, 105, 740-744.	1.6	8
152	Longitudinal observation of Epsteinâ€“Barr virus antibodies in athletes during a competitive season. Journal of Medical Virology, 2012, 84, 1415-1422.	5.0	8
153	Feasibility of oscillometric aortic pressure and stiffness assessment using the VaSera VS-1500. Blood Pressure Monitoring, 2015, 20, 273-279.	0.8	8
154	Verification-phase tests show low reliability and add little value in determining VÌ‡O2max in young trained adults. PLoS ONE, 2021, 16, e0245306.	2.5	8
155	Associations of Novel and Traditional Vascular Biomarkers of Arterial Stiffness: Results of the SAPALDIA 3 Cohort Study. PLoS ONE, 2016, 11, e0163844.	2.5	8
156	Muscle-Derived IL-6 Is Not Regulated by IL-1 during Exercise. A Double Blind, Placebo-Controlled, Randomized Crossover Study. PLoS ONE, 2015, 10, e0139662.	2.5	7
157	The acute effects of aerobic exercise on sleep in patients with depression: study protocol for a randomized controlled trial. Trials, 2019, 20, 352.	1.6	7
158	Carotid IMT and Stiffness in the KiGGS 2 National Survey: Third-Generation Measurement, Quality Algorithms and Determinants of Completeness. Ultrasound in Medicine and Biology, 2021, 47, 296-308.	1.5	7
159	Metabolic profiling links cardiovascular risk and vascular end organ damage. Atherosclerosis, 2021, 331, 45-53.	0.8	7
160	Multivariable analysis of heart rate recovery after cycle ergometry in heart failure: Exercise in heart failure. Heart and Lung: Journal of Acute and Critical Care, 2011, 40, e129-e137.	1.6	6
161	Lipoprotein-associated phospholipase A2 activity and low-density lipoprotein subfractions after a 2-year treatment with atorvastatin in adolescents with type 1 diabetes. Journal of Pediatric Endocrinology and Metabolism, 2016, 29, 1181-1186.	0.9	6
162	Motor imagery ability assessments in four disciplines: protocol for a systematic review. BMJ Open, 2018, 8, e023439.	1.9	6

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163	Should sports and exercise medicine be taught in the Swiss undergraduate medical curricula? A survey among 1764 Swiss medical students. BMJ Open Sport and Exercise Medicine, 2019, 5, e000575.	2.9	6
164	High-Intensity Interval Training for Heart Failure Patients With Preserved Ejection Fraction (HIT-HF)-Rational and Design of a Prospective, Randomized, Controlled Trial. Frontiers in Physiology, 2021, 12, 734111.	2.8	6
165	Pre-race determinants influencing performance and finishing of a transcontinental 4486-km ultramarathon. Journal of Sports Medicine and Physical Fitness, 2019, 59, 1608-1621.	0.7	6
166	Early detection of subjects at risk for vascular remodelling â€“ results from the Swiss population-based study SAPALDIA. Swiss Medical Weekly, 2014, 144, w14052.	1.6	6
167	Effects of bright and blue light on acoustic reaction time and maximum handgrip strength in male athletes: a randomized controlled trial. European Journal of Applied Physiology, 2017, 117, 1689-1696.	2.5	5
168	Retinal Vessel Diameters and Physical Activity in Patients With Mild to Moderate Rheumatic Disease Without Cardiovascular Comorbidities. Frontiers in Physiology, 2018, 9, 176.	2.8	5
169	Dynamic MR imaging of the skeletal muscle in young and senior volunteers during synchronized minimal neuromuscular electrical stimulation. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 393-400.	2.0	5
170	The metabolic signature of cardiorespiratory fitness: a protocol for a systematic review and meta-analysis. BMJ Open Sport and Exercise Medicine, 2021, 7, e001008.	2.9	5
171	Carotid Stiffness and Physical Activity in Elderlyâ€”A Short Report of the SAPALDIA 3 Cohort Study. PLoS ONE, 2015, 10, e0128991.	2.5	5
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