Matthias Wilhelm

List of Publications by Year in descending order

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136950 69250 6,821 126 32 77 citations h-index g-index papers 134 134 134 8304 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Acute and chronic effects of high-intensity interval and moderate-intensity continuous exercise on heart rate and its variability after recent myocardial infarction: A randomized controlled trial. Annals of Physical and Rehabilitation Medicine, 2022, 65, 101444.	2.3	6
2	EAPC Core Curriculum for Preventive Cardiology. European Journal of Preventive Cardiology, 2022, 29, 251-274.	1.8	28
3	Exercise intensity assessment and prescription in cardiovascular rehabilitation and beyond: why and how: a position statement from the Secondary Prevention and Rehabilitation Section of the European Association of Preventive Cardiology. European Journal of Preventive Cardiology, 2022, 29, 230-245.	1.8	111
4	European Society of Cardiology Quality Indicators for Cardiovascular Disease Prevention: developed by the Working Group for Cardiovascular Disease Prevention Quality Indicators in collaboration with the European Association for Preventive Cardiology of the European Society of Cardiology. European Journal of Preventive Cardiology, 2022, 29, 1060-1071.	1.8	25
5	Effect of self-tailored high-intensity interval training versus moderate-intensity continuous exercise on cardiorespiratory fitness after myocardial infarction: A randomised controlled trial. Annals of Physical and Rehabilitation Medicine, 2022, 65, 101490.	2.3	5
6	Validation of open-source step-counting algorithms for wrist-worn tri-axial accelerometers in cardiovascular patients. Gait and Posture, 2022, 92, 206-211.	1.4	14
7	Diagnostic yield and cost analysis of electrocardiographic screening in Swiss paediatric athletes. Journal of Science and Medicine in Sport, 2022, 25, 281-286.	1.3	6
8	The need for long-term personalized management of frail CVD patients by rehabilitation and telemonitoring: A framework. Trends in Cardiovascular Medicine, 2022, , .	4.9	5
9	Paediatric and adolescent athletes in Switzerland: age-adapted proposals for pre-participation cardiovascular evaluation. Swiss Medical Weekly, 2022, 152, w30128.	1.6	3
10	Diabetes and Myocardial Fibrosis. JACC: Cardiovascular Imaging, 2022, 15, 796-808.	5. 3	25
11	Differences in Atrial Remodeling in Hypertrophic Cardiomyopathy Compared to Hypertensive Heart Disease and Athletes' Hearts. Journal of Clinical Medicine, 2022, 11, 1316.	2.4	4
12	GLP-1 Receptor Agonists and Coronary Arteries: From Mechanisms to Events. Frontiers in Pharmacology, 2022, 13, 856111.	3.5	8
13	Young endurance training starting age in non-elite athletes is associated with higher proximal aortic distensibility. Open Heart, 2022, 9, e001771.	2.3	3
14	Clinical outcomes and cardiac rehabilitation in underrepresented groups after percutaneous coronary intervention: an observational study. European Journal of Preventive Cardiology, 2022, 29, 1093-1103.	1.8	7
15	Systematic Review of Physical Activity Trajectories and Mortality in Patients WithÂCoronaryÂArtery Disease. Journal of the American College of Cardiology, 2022, 79, 1690-1700.	2.8	35
16	Clinician approach to cardiopulmonary exercise testing for exercise prescription in patients at risk of and with cardiovascular disease. British Journal of Sports Medicine, 2022, 56, 1180-1187.	6.7	16
17	Exercise testing in heart failure with preserved ejection fraction: an appraisal through diagnosis, pathophysiology and therapy–ÂA clinical consensus statement of the Heart Failure Association and European Association of Preventive Cardiology of the European Society of Cardiology. European lournal of Heart Failure. 2022. 24. 1327-1345.	7.1	42
18	Exercise in hypertrophic cardiomyopathy: towards a personalised approach. European Journal of Preventive Cardiology, 2021, 28, 1091-1092.	1.8	1

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19	with arrhythmias and potentially arrhythmogenic conditions: Part 1: Supraventricular arrhythmias. A position statement of the Section of Sports Cardiology and Exercise from the European Association of Preventive Cardiology (EAPC) and the European Heart Rhythm Association (EHRA), both associations	1.8	24
20	Secondary prevention through comprehensive cardiovascular rehabilitation: From knowledge to implementation. 2020 update. A position paper from the Secondary Prevention and Rehabilitation Section of the European Association of Preventive Cardiology. European Journal of Preventive Cardiology, 2021, 28, 460-495.	1.8	388
21	Greater burden of risk factors and less effect of cardiac rehabilitation in elderly with low educational attainment: The Eu-CaRE study. European Journal of Preventive Cardiology, 2021, 28, 513-519.	1.8	5
22	The future is now: a call for action for cardiac telerehabilitation in the COVID-19 pandemic from the secondary prevention and rehabilitation section of the European Association of Preventive Cardiology. European Journal of Preventive Cardiology, 2021, 28, 524-540.	1.8	146
23	Effectiveness of Home-Based Mobile Guided Cardiac Rehabilitation as Alternative Strategy for Nonparticipation in Clinic-Based Cardiac Rehabilitation Among Elderly Patients in Europe. JAMA Cardiology, 2021, 6, 463.	6.1	62
24	Eligibility for PCSK9 inhibitors based on the 2019 ESC/EAS and 2018 ACC/AHA guidelines. European Journal of Preventive Cardiology, 2021, 28, 59-65.	1.8	30
25	2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease. European Heart Journal, 2021, 42, 17-96.	2.2	830
26	Comprehensive multicomponent cardiac rehabilitation in cardiac implantable electronic devices recipients: a consensus document from the European Association of Preventive Cardiology (EAPC;) Tj ETQq0 C	0 o rgBT /Ov	erlock 10 Tf 50
27	European Journal of Preventive Cardiology, 2021, 28, 1736-1752. Heart rate kinetics during standard cardiopulmonary exercise testing in heart transplant recipients: a longitudinal study. ESC Heart Failure, 2021, 8, 1096-1105.	3.1	6
28	Comprehensive multicomponent cardiac rehabilitation in cardiac implantable electronic devices recipients: a consensus document from the European Association of Preventive Cardiology (EAPC;) Tj ETQq0 C	0 0 rgBT /Ov 1.7	erlock 10 Tf 50
29	Europace, 2021, 23, 1336-1337o. Offering, participation and adherence to cardiac rehabilitation programmes in the elderly: a European comparison based on the EU-CaRE multicentre observational study. European Journal of Preventive Cardiology, 2021, 28, 558-568.	1.8	6
30	Impact of early sports specialisation on paediatric ECG. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1335-1341.	2.9	2
31	Patient interest in mHealth as part of cardiac rehabilitation in Switzerland. Swiss Medical Weekly, 2021, 151, w20510.	1.6	8
32	2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease. Russian Journal of Cardiology, 2021, 26, 4488.	1.4	12
33	Predictors for one-year outcomes of cardiorespiratory fitness and cardiovascular risk factor control after cardiac rehabilitation in elderly patients: The EU-CaRE study. PLoS ONE, 2021, 16, e0255472.	2.5	3
34	Changes and prognostic value of cardiopulmonary exercise testing parameters in elderly patients undergoing cardiac rehabilitation: The EU-CaRE observational study. PLoS ONE, 2021, 16, e0255477.	2.5	3
35	EU-CaRE study: Could exercise-based cardiac telerehabilitation also be cost-effective in elderly?. International Journal of Cardiology, 2021, 340, 1-6.	1.7	11
36	Cardiopulmonary Response to Exercise at High Altitude in Adolescents with Congenital Heart Disease. Congenital Heart Disease, 2021, 16, 597-608.	0.2	2

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37	Effect of Exercise-Based Cardiac Rehabilitation on Cardiorespiratory Fitness in Adults with Congenital Heart Disease. Congenital Heart Disease, 2021, 16, 73-84.	0.2	O
38	The Role of SGLT2 Inhibitors in Atherosclerosis: A Narrative Mini-Review. Frontiers in Pharmacology, 2021, 12, 751214.	3.5	21
39	Association of diabetes with atrial fibrillation types: a systematic review and meta-analysis. Cardiovascular Diabetology, 2021, 20, 230.	6.8	6
40	Myocarditis in Athletes Is a Challenge. JACC: Cardiovascular Imaging, 2020, 13, 494-507.	5.3	61
41	2019 ESC Guidelines on diabetes, pre-diabetes, and cardiovascular diseases developed in collaboration with the EASD. European Heart Journal, 2020, 41, 255-323.	2.2	2,811
42	Predictors of pre-rehabilitation exercise capacity in elderly European cardiac patients – The EU-CaRE study. European Journal of Preventive Cardiology, 2020, 27, 1702-1712.	1.8	18
43	ESC Core Curriculum for the Cardiologist. European Heart Journal, 2020, 41, 3605-3692.	2.2	38
44	Clinical outcomes after cardiac rehabilitation in elderly patients with and without diabetes mellitus: The EU-CaRE multicenter cohort study. Cardiovascular Diabetology, 2020, 19, 37.	6.8	13
45	Pre-participation cardiovascular evaluation of young athletes: Should they sweat or not?. European Journal of Preventive Cardiology, 2020, 27, 308-310.	1.8	0
46	Cardiac rehabilitation of elderly patients in eight rehabilitation units in western Europe: Outcome data from the EU-CaRE multi-centre observational study. European Journal of Preventive Cardiology, 2020, 27, 1716-1729.	1.8	26
47	Training intensity and improvements in exercise capacity in elderly patients undergoing European cardiac rehabilitation $\hat{a} \in \mathcal{C}$ the EU-CaRE multicenter cohort study. PLoS ONE, 2020, 15, e0242503.	2.5	11
48	Athlete's Heart: Basic Physiology and Adaptation to Exercise. , 2020, , 29-51.		1
49	Exercise in Specific Diseases: Atrial Fibrillation. , 2020, , 1029-1044.		0
50	Title is missing!. , 2020, 15, e0242503.		0
51	Title is missing!. , 2020, 15, e0242503.		0
52	Title is missing!. , 2020, 15, e0242503.		0
53	Title is missing!. , 2020, 15, e0242503.		0
54	Response of peripheral arterial pulse wave velocity to acute exercise in patients after recent myocardial infarction and healthy controls. PLoS ONE, 2019, 14, e0219146.	2.5	6

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55	Usefulness of Genetic Testing in Sudden Cardiac Arrest Survivors With or Without Previous Clinical Evidence of Heart Disease. American Journal of Cardiology, 2019, 123, 2031-2038.	1.6	30
56	Intensive recreational athletes in the prospective multinational ICD Sports Safety Registry: Results from the European cohort. European Journal of Preventive Cardiology, 2019, 26, 764-775.	1.8	32
57	How to best prevent cardioembolic stroke?. European Journal of Preventive Cardiology, 2019, 26, 961-963.	1.8	2
58	Cardiac rehabilitation in the elderly patient in eight rehabilitation units in Western Europe: Baseline data from the EU-CaRE multicentre observational study. European Journal of Preventive Cardiology, 2019, 26, 1052-1063.	1.8	30
59	Management of patients with type 2 diabetes in cardiovascular rehabilitation. European Journal of Preventive Cardiology, 2019, 26, 133-144.	1.8	11
60	Competitive athletes with implantable cardioverter–defibrillators—How to program? Data from the Implantable Cardioverter–Defibrillator Sports Registry. Heart Rhythm, 2019, 16, 581-587.	0.7	27
61	Exercise training for patients with type 2 diabetes and cardiovascular disease: What to pursue and how to do it. A Position Paper of the European Association of Preventive Cardiology (EAPC). European Journal of Preventive Cardiology, 2019, 26, 709-727.	1.8	68
62	Do clinicians prescribe exercise similarly in patients with different cardiovascular diseases? Findings from the EAPC EXPERT working group survey. European Journal of Preventive Cardiology, 2018, 25, 682-691.	1.8	47
63	Ride to Barcelona. European Heart Journal, 2018, 39, 341-344.	2.2	0
64	Inter-observer agreement in athletes ECG interpretation using the recent international recommendations for ECG interpretation in athletes among observers with different levels of expertise. PLoS ONE, 2018, 13, e0206072.	2.5	11
65	Age at start of endurance training is associated with patterns of left ventricular hypertrophy in middle-aged runners. International Journal of Cardiology, 2018, 267, 133-138.	1.7	7
66	The Association Between Endurance Training and Heart Rate Variability: The Confounding Role of Heart Rate. Frontiers in Physiology, 2018, 9, 756.	2.8	16
67	Exercise-induced cardiac remodeling in non-elite endurance athletes: Comparison of 2-tiered and 4-tiered classification of left ventricular hypertrophy. PLoS ONE, 2018, 13, e0193203.	2.5	13
68	Recommendations for genetic testing and counselling after sudden cardiac death: practical aspects for Swiss practice. Swiss Medical Weekly, 2018, 148, w14638.	1.6	7
69	Short-term effects of trans fatty acids from ruminant and industrial sources on surrogate markers of cardiovascular risk in healthy men and women: A randomized, controlled, double-blind trial. European Journal of Preventive Cardiology, 2017, 24, 534-543.	1.8	9
70	Left ventricular outflow tract obstruction and its impact on systolic ventricular function and exercise capacity in adults with a subaortic right ventricle. International Journal of Cardiology, 2017, 244, 139-142.	1.7	8
71	Heart Failure WithÂPreserved EjectionÂFraction. Journal of the American College of Cardiology, 2017, 70, 2458.	2.8	1
72	Heart-Rate Variability During Deep Sleep in World-Class Alpine Skiers: A Time-Efficient Alternative to Morning Supine Measurements. International Journal of Sports Physiology and Performance, 2017, 12, 648-654.	2.3	11

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73	Relation of Heart Rate and its Variability during Sleep with Age, Physical Activity, and Body Composition in Young Children. Frontiers in Physiology, 2017, 8, 109.	2.8	35
74	Metabolic Effects of Glucose-Fructose Co-Ingestion Compared to Glucose Alone during Exercise in Type 1 Diabetes. Nutrients, 2017, 9, 164.	4.1	10
75	Sports-related sudden cardiac deaths in the young population of Switzerland. PLoS ONE, 2017, 12, e0174434.	2.5	24
76	Effects of health risk assessment and counselling on physical activity in older people: A pragmatic randomised trial. PLoS ONE, 2017, 12, e0181371.	2.5	12
77	Reproducibility of Heart Rate Variability Is Parameter and Sleep Stage Dependent. Frontiers in Physiology, 2017, 8, 1100.	2.8	39
78	Sports engagement and age at first myocardial infarction in men under 55 years of age. PLoS ONE, 2017, 12, e0184035.	2.5	0
79	Acute Effects of Caffeine on Heart Rate Variability, Blood Pressure and Tidal Volume in Paraplegic and Tetraplegic Compared to Able-Bodied Individuals: A Randomized, Blinded Trial. PLoS ONE, 2016, 11, e0165034.	2.5	18
80	Cardiopulmonary adaptation to short-term high altitude exposure in adult Fontan patients. Heart, 2016, 102, 1296-1301.	2.9	15
81	Vagal reactivation after exercise and cardiac autonomic nervous activity in adult Fontan patients without pacemakers. International Journal of Cardiology, 2016, 220, 527-533.	1.7	4
82	A EUropean study on effectiveness and sustainability of current Cardiac Rehabilitation programmes in the Elderly: Design of the EU-CaRE randomised controlled trial. European Journal of Preventive Cardiology, 2016, 23, 27-40.	1.8	30
83	Left atrial remodeling, early repolarization pattern, and inflammatory cytokines in professional soccer players. Journal of Cardiology, 2016, 68, 64-70.	1.9	19
84	Acute effects of Finnish sauna and cold-water immersion on haemodynamic variables and autonomic nervous system activity in patients with heart failure. European Journal of Preventive Cardiology, 2016, 23, 593-601.	1.8	45
85	Impact of endo- and exogenous estrogens on heart rate variability in women: a review. Climacteric, 2016, 19, 222-228.	2.4	27
86	Sports-related sudden cardiac death in Switzerland classified by static and dynamic components of exercise. European Journal of Preventive Cardiology, 2016, 23, 1228-1236.	1.8	34
87	Metabolic and hormonal response to intermittent high-intensity and continuous moderate intensity exercise in individuals with type 1 diabetes: a randomised crossover study. Diabetologia, 2016, 59, $776-784$.	6.3	54
88	Sudden cardiac arrest in sports – need for uniform registration: A Position Paper from the Sport Cardiology Section of the European Association for Cardiovascular Prevention and Rehabilitation. European Journal of Preventive Cardiology, 2016, 23, 657-667.	1.8	78
89	Current treatment of dyslipidaemia: PCSK9 inhibitors and statin intolerance. Swiss Medical Weekly, 2016, 146, w14333.	1.6	4
90	Prevalence of abnormal electrocardiograms in Swiss elite athletes detected with modern screening criteria. Swiss Medical Weekly, 2016, 146, w14376.	1.6	3

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91	Can Heart Rate Variability Segment Length During Orthostatic Test Be Reduced To 2 Min?. Medicine and Science in Sports and Exercise, 2015, 47, 48.	0.4	10
92	Masked hypertension and cardiac remodeling in middle-aged endurance athletes. Journal of Hypertension, 2015, 33, 1276-1283.	0.5	33
93	Sex differences in heart rate variability: a longitudinal study in international elite cross-country skiers. European Journal of Applied Physiology, 2015, 115, 2107-2114.	2.5	44
94	Level of incongruence during cardiac rehabilitation and prediction of future CVD-related hospitalizations plus all-cause mortality. Psychology, Health and Medicine, 2015, 20, 605-613.	2.4	3
95	Shortâ€ŧerm high altitude exposure at 3454 m is well tolerated in patients with stable heart failure. European Journal of Heart Failure, 2015, 17, 182-186.	7.1	12
96	Erratum to "Methodological considerations and practical recommendations for the application of peripheral arterial tonometry in children and adolescents―[Int J Cardiol (2013) 3183–3190]. International Journal of Cardiology, 2015, 193, 94.	1.7	0
97	Depressive Symptoms at Discharge from Rehabilitation Predict Future Cardiovascular-Related Hospitalizations. Cardiology, 2015, 131, 80-85.	1.4	8
98	Good reproducibility of heart rate variability after orthostatic challenge in patients with a history of acute coronary syndrome. Journal of Electrocardiology, 2015, 48, 696-702.	0.9	7
99	Effect of a Tibetan herbal mixture on microvascular endothelial function, heart rate variability and biomarkers of inflammation, clotting and coagulation. European Journal of Preventive Cardiology, 2015, 22, 1043-1045.	1.8	3
100	Sudden cardiac death among general population and sport related population in forensic experience. Journal of Clinical Forensic and Legal Medicine, 2015, 35, 62-68.	1.0	24
101	Sudden cardiac death in forensic medicine $\hat{a}\in$ Swiss recommendations for a multidisciplinary approach. Swiss Medical Weekly, 2015, 145, w14129.	1.6	30
102	Reproducibility of peripheral arterial tonometry measurements in male cardiovascular patients. European Journal of Clinical Investigation, 2014, 44, 1065-1071.	3.4	15
103	Right ventricular adaptations and arrhythmias in amateur ultra-endurance athletes. British Journal of Sports Medicine, 2014, 48, 1179-1184.	6.7	15
104	Ultra-endurance sports have no negative impact on indices of arterial stiffness. European Journal of Applied Physiology, 2014, 114, 49-57.	2.5	12
105	Costs and yield of a 15-month preparticipation cardiovascular examination with ECG in 1070 young athletes in Switzerland: implications for routine ECG screening. British Journal of Sports Medicine, 2014, 48, 1157-1161.	6.7	36
106	Atrial fibrillation in endurance athletes. European Journal of Preventive Cardiology, 2014, 21, 1040-1048.	1.8	73
107	Inflammation and atrial remodeling after a mountain marathon. Scandinavian Journal of Medicine and Science in Sports, 2014, 24, 519-525.	2.9	41
108	Effect of lifetime endurance training on left atrial mechanical function and on the risk of atrial fibrillation. International Journal of Cardiology, 2014, 170, 419-425.	1.7	52

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109	Physical activity intensity and surrogate markers for cardiovascular health in adolescents. European Journal of Applied Physiology, 2013, 113, 1213-1222.	2.5	28
110	Training-related modulations of the autonomic nervous system in endurance athletes: is female gender cardioprotective?. European Journal of Applied Physiology, 2013, 113, 631-640.	2.5	27
111	Persistence of uncontrolled cardiovascular risk factors in patients treated with percutaneous interventions for stable coronary artery disease not receiving cardiac rehabilitation. European Journal of Preventive Cardiology, 2013, 20, 743-749.	1.8	16
112	Methodological considerations and practical recommendations for the application of peripheral arterial tonometry in children and adolescents. International Journal of Cardiology, 2013, 168, 3183-3190.	1.7	49
113	Highâ€volume sports club participation and autonomic nervous system activity in children. European Journal of Clinical Investigation, 2013, 43, 821-828.	3.4	18
114	Adolescent blood pressure hyperreactors have a higher reactive hyperemic index at the fingertip. European Journal of Applied Physiology, 2013, 113, 2991-3000.	2.5	7
115	Puberty and Microvascular Function in Healthy Children and Adolescents. Journal of Pediatrics, 2012, 161, 887-891.e1.	1.8	41
116	Comparison of Pro-Atrial Natriuretic Peptide and Atrial Remodeling in Marathon Versus Non-Marathon Runners. American Journal of Cardiology, 2012, 109, 1060-1065.	1.6	27
117	Long-Term Cardiac Remodeling and Arrhythmias in Nonelite Marathon Runners. American Journal of Cardiology, 2012, 110, 129-135.	1.6	33
118	Atrial Remodeling, Autonomic Tone, and Lifetime Training Hours in Nonelite Athletes. American Journal of Cardiology, 2011, 108, 580-585.	1.6	160
119	Gender Differences of Atrial and Ventricular Remodeling and Autonomic Tone in Nonelite Athletes. American Journal of Cardiology, 2011, 108, 1489-1495.	1.6	60
120	Early Repolarization, Left Ventricular Diastolic Function, and Left Atrial Size in Professional Soccer Players. American Journal of Cardiology, 2010, 106, 569-574.	1.6	28
121	Atrial and Ventricular Functional and Structural Adaptations of the Heart in Elite Triathletes Assessed with Cardiac MR Imaging. Radiology, 2010, 257, 71-79.	7.3	70
122	Cardiac magnetic resonance assessment of left and right ventricular morphologic and functional adaptations in professional soccer players. American Heart Journal, 2010, 159, 911-918.	2.7	54
123	Red blood cell omega-3 fatty acids and the risk of ventricular arrhythmias in patients with heart failure. American Heart Journal, 2008, 155, 971-977.	2.7	33
124	Atrial Distribution of Connexin 40 and 43 in Patients with Intermittent, Persistent, and Postoperative Atrial Fibrillation. Heart Lung and Circulation, 2006, 15, 30-37.	0.4	41
125	Exercise and cancer. Cardiovascular Medicine(Switzerland), 0, , .	0.0	0
126	Short- and Long-Term Effects of High-Intensity Interval Training vs. Moderate-Intensity Continuous Training on Left Ventricular Remodeling in Patients Early After ST-Segment Elevation Myocardial Infarctionâ€"The HIIT-EARLY Randomized Controlled Trial. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	2