## 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	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
2	2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease. European Heart Journal, 2021, 42, 17-96.	2.2	830
3	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
4	Atrial Remodeling, Autonomic Tone, and Lifetime Training Hours in Nonelite Athletes. American Journal of Cardiology, 2011, 108, 580-585.	1.6	160
5	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
6	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
7	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
8	Atrial fibrillation in endurance athletes. European Journal of Preventive Cardiology, 2014, 21, 1040-1048.	1.8	73
9	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
10	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
11	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
12	Myocarditis in Athletes Is a Challenge. JACC: Cardiovascular Imaging, 2020, 13, 494-507.	<b>5.</b> 3	61
13	Gender Differences of Atrial and Ventricular Remodeling and Autonomic Tone in Nonelite Athletes. American Journal of Cardiology, 2011, 108, 1489-1495.	1.6	60
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	Puberty and Microvascular Function in Healthy Children and Adolescents. Journal of Pediatrics, 2012, 161, 887-891.e1.	1.8	41
24	Inflammation and atrial remodeling after a mountain marathon. Scandinavian Journal of Medicine and Science in Sports, 2014, 24, 519-525.	2.9	41
25	Reproducibility of Heart Rate Variability Is Parameter and Sleep Stage Dependent. Frontiers in Physiology, 2017, 8, 1100.	2.8	39
26	ESC Core Curriculum for the Cardiologist. European Heart Journal, 2020, 41, 3605-3692.	2.2	38
27	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
28	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
29	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
30	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
31	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
32	Long-Term Cardiac Remodeling and Arrhythmias in Nonelite Marathon Runners. American Journal of Cardiology, 2012, 110, 129-135.	1.6	33
33	Masked hypertension and cardiac remodeling in middle-aged endurance athletes. Journal of Hypertension, 2015, 33, 1276-1283.	0.5	33
34	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
35	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
36	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

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37	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
38	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
39	Sudden cardiac death in forensic medicine – Swiss recommendations for a multidisciplinary approach. Swiss Medical Weekly, 2015, 145, w14129.	1.6	30
40	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
41	Physical activity intensity and surrogate markers for cardiovascular health in adolescents. European Journal of Applied Physiology, 2013, 113, 1213-1222.	2.5	28
42	EAPC Core Curriculum for Preventive Cardiology. European Journal of Preventive Cardiology, 2022, 29, 251-274.	1.8	28
43	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
44	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
45	Impact of endo- and exogenous estrogens on heart rate variability in women: a review. Climacteric, 2016, 19, 222-228.	2.4	27
46	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
47	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
48	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
49	Diabetes and Myocardial Fibrosis. JACC: Cardiovascular Imaging, 2022, 15, 796-808.	5.3	25
50	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
51	Sports-related sudden cardiac deaths in the young population of Switzerland. PLoS ONE, 2017, 12, e0174434.	2.5	24
52	Recommendations for participation in leisure-time physical activity and competitive sports in patients 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 of the European Society of Cardiology. European Journal of Preventive Cardiology, 2021, 28, 1539-1551.	1.8	24
53	The Role of SGLT2 Inhibitors in Atherosclerosis: A Narrative Mini-Review. Frontiers in Pharmacology, 2021, 12, 751214.	3.5	21
54	Left atrial remodeling, early repolarization pattern, and inflammatory cytokines in professional soccer players. Journal of Cardiology, 2016, 68, 64-70.	1.9	19

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55	Highâ€volume sports club participation and autonomic nervous system activity in children. European Journal of Clinical Investigation, 2013, 43, 821-828.	3.4	18
56	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 <b>.</b> 5	18
57	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
58	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
59	The Association Between Endurance Training and Heart Rate Variability: The Confounding Role of Heart Rate. Frontiers in Physiology, 2018, 9, 756.	2.8	16
60	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
61	Reproducibility of peripheral arterial tonometry measurements in male cardiovascular patients. European Journal of Clinical Investigation, 2014, 44, 1065-1071.	3.4	15
62	Right ventricular adaptations and arrhythmias in amateur ultra-endurance athletes. British Journal of Sports Medicine, 2014, 48, 1179-1184.	6.7	15
63	Cardiopulmonary adaptation to short-term high altitude exposure in adult Fontan patients. Heart, 2016, 102, 1296-1301.	2.9	15
64	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
65	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
66	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
67	Ultra-endurance sports have no negative impact on indices of arterial stiffness. European Journal of Applied Physiology, 2014, 114, 49-57.	2.5	12
68	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
69	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
70	2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease. Russian Journal of Cardiology, 2021, 26, 4488.	1.4	12
71	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
72	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

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73	Management of patients with type 2 diabetes in cardiovascular rehabilitation. European Journal of Preventive Cardiology, 2019, 26, 133-144.	1.8	11
74	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
75	Training intensity and improvements in exercise capacity in elderly patients undergoing European cardiac rehabilitation – the EU-CaRE multicenter cohort study. PLoS ONE, 2020, 15, e0242503.	2.5	11
76	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
77	Metabolic Effects of Glucose-Fructose Co-Ingestion Compared to Glucose Alone during Exercise in Type 1 Diabetes. Nutrients, 2017, 9, 164.	4.1	10
78	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
79	Depressive Symptoms at Discharge from Rehabilitation Predict Future Cardiovascular-Related Hospitalizations. Cardiology, 2015, 131, 80-85.	1.4	8
80	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
81	Comprehensive multicomponent cardiac rehabilitation in cardiac implantable electronic devices recipients: a consensus document from the European Association of Preventive Cardiology (EAPC;) Tj ETQq1 1 (European Iournal of Preventive Cardiology, 2021, 28, 1736-1752.	0.784314 1.8	rgBT /Overloc
82	Patient interest in mHealth as part of cardiac rehabilitation in Switzerland. Swiss Medical Weekly, 2021, 151, w20510.	1.6	8
83	GLP-1 Receptor Agonists and Coronary Arteries: From Mechanisms to Events. Frontiers in Pharmacology, 2022, 13, 856111.	<b>3.</b> 5	8
84	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
85	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
86	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
87	Recommendations for genetic testing and counselling after sudden cardiac death: practical aspects for Swiss practice. Swiss Medical Weekly, 2018, 148, w14638.	1.6	7
88	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
89	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
90	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

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91	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
92	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
93	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
94	Association of diabetes with atrial fibrillation types: a systematic review and meta-analysis. Cardiovascular Diabetology, 2021, 20, 230.	6.8	6
95	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
96	Comprehensive multicomponent cardiac rehabilitation in cardiac implantable electronic devices recipients: a consensus document from the European Association of Preventive Cardiology (EAPC;) Tj ETQq0 0 0 Europace, 2021, 23, 1336-1337o.	rgBT/Ove	rlock 10 Tf 5
97	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
98	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
99	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
100	Current treatment of dyslipidaemia: PCSK9 inhibitors and statin intolerance. Swiss Medical Weekly, 2016, 146, w14333.	1.6	4
101	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
102	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
103	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
104	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
105	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
106	Prevalence of abnormal electrocardiograms in Swiss elite athletes detected with modern screening criteria. Swiss Medical Weekly, 2016, 146, w14376.	1.6	3
107	Paediatric and adolescent athletes in Switzerland: age-adapted proposals for pre-participation cardiovascular evaluation. Swiss Medical Weekly, 2022, 152, w30128.	1.6	3
108	Young endurance training starting age in non-elite athletes is associated with higher proximal aortic distensibility. Open Heart, 2022, 9, e001771.	2.3	3

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109	How to best prevent cardioembolic stroke?. European Journal of Preventive Cardiology, 2019, 26, 961-963.	1.8	2
110	Impact of early sports specialisation on paediatric ECG. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1335-1341.	2.9	2
111	Cardiopulmonary Response to Exercise at High Altitude in Adolescents with Congenital Heart Disease. Congenital Heart Disease, 2021, 16, 597-608.	0.2	2
112	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 Infarction—The HIIT-EARLY Randomized Controlled Trial. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	2
113	Heart Failure WithÂPreserved EjectionÂFraction. Journal of the American College of Cardiology, 2017, 70, 2458.	2.8	1
114	Exercise in hypertrophic cardiomyopathy: towards a personalised approach. European Journal of Preventive Cardiology, 2021, 28, 1091-1092.	1.8	1
115	Athlete's Heart: Basic Physiology and Adaptation to Exercise. , 2020, , 29-51.		1
116	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
117	Ride to Barcelona. European Heart Journal, 2018, 39, 341-344.	2.2	0
118	Pre-participation cardiovascular evaluation of young athletes: Should they sweat or not?. European Journal of Preventive Cardiology, 2020, 27, 308-310.	1.8	0
119	Effect of Exercise-Based Cardiac Rehabilitation on Cardiorespiratory Fitness in Adults with Congenital Heart Disease, 2021, 16, 73-84.	0.2	0
120	Sports engagement and age at first myocardial infarction in men under 55 years of age. PLoS ONE, 2017, 12, e0184035.	2.5	0
121	Exercise and cancer. Cardiovascular Medicine(Switzerland), 0, , .	0.0	0
122	Exercise in Specific Diseases: Atrial Fibrillation. , 2020, , 1029-1044.		0
123	Title is missing!. , 2020, 15, e0242503.		0
124	Title is missing!. , 2020, 15, e0242503.		0
125	Title is missing!. , 2020, 15, e0242503.		0
126	Title is missing!. , 2020, 15, e0242503.		0