M Juhani Junttila

List of Publications by Year in descending order

115 papers	6,253 citations	126708 33 h-index	76769 74 g-index
117 all docs	117 docs citations	117 times ranked	12411 citing authors

#	Article	IF	Citations
1	Q waves are the strongest electrocardiographic variable associated with primary prophylactic implantable cardioverter-defibrillator benefit: a prospective multicentre study. Europace, 2022, 24, 774-783.	0.7	5
2	B-type natriuretic peptide ability to predict mortality after transcatheter aortic valve replacement. Journal of Cardiovascular Medicine, 2022, 23, e18-e20.	0.6	1
3	MiR-185-5p regulates the development of myocardial fibrosis. Journal of Molecular and Cellular Cardiology, 2022, 165, 130-140.	0.9	12
4	QRS micro-fragmentation as a mortality predictor. European Heart Journal, 2022, 43, 4177-4191.	1.0	9
5	Temporal Trends in the Incidence and Characteristics of Sudden Cardiac Death among Subjects under 40 Years of Age in Northern Finland during 1998â€“2017. Cardiology, 2022, 147, 328-331.	0.6	2
6	Poor R-wave progression as a predictor of sudden cardiac death in the general population and subjects with coronary artery disease. Heart Rhythm, 2022, 19, 952-959.	0.3	4
7	Risk of sudden cardiac death associated with QRS, QTc, and JTc intervals in the general population. Heart Rhythm, 2022, 19, 1297-1303.	0.3	10
8	Myocardium Assessment by Relaxation along Fictitious Field, Extracellular Volume, Feature Tracking, and Myocardial Strain in Hypertensive Patients with Left Ventricular Hypertrophy. International Journal of Biomedical Imaging, 2022, 2022, 1-9.	3.0	1
9	Editorial commentary: Paradigm shift in the circadian and septadian patterns of sudden cardiac death: Fact or fiction?. Trends in Cardiovascular Medicine, 2021, 31, 177-178.	2.3	0
10	Blood alcohol levels in Finnish victims of non-ischaemic sudden cardiac death. Annals of Medicine, 2021, 53, 413-419.	1.5	2
11	Coronary Artery Disease as the Cause of Sudden Cardiac Death Among Victims < 50 Years of Age. American Journal of Cardiology, 2021, 147, 33-38.	0.7	20
12	Genetic contributions to the expression of acquired causes of cardiac hypertrophy in non-ischemic sudden cardiac death victims. Scientific Reports, 2021, 11, 11171.	1.6	1
13	Prognostic value of heart rate variability in patients with coronary artery disease in the current treatment era. PLoS ONE, 2021, 16, e0254107.	1.1	10
14	Temporal variability of Tâ€wave morphology and risk of sudden cardiac death in patients with coronary artery disease. Annals of Noninvasive Electrocardiology, 2021, 26, e12830.	0.5	4
15	Prognostic significance of flat T-waves in the lateral leads in general population. Journal of Electrocardiology, 2021, 69, 105-110.	0.4	1
16	Genetic Variants Associated With Sudden Cardiac Death in Victims With Single Vessel Coronary Artery Disease and Left Ventricular Hypertrophy With or Without Fibrosis. Frontiers in Cardiovascular Medicine, 2021, 8, 755062.	1.1	3
17	Mitochondrial DNA variation in sudden cardiac death: a population-based study. International Journal of Legal Medicine, 2020, 134, 39-44.	1.2	2
18	Characteristics of subjects with alcoholic cardiomyopathy and sudden cardiac death. Heart, 2020, 106, 686-690.	1.2	8

#	Article	IF	Citations
19	Impact of age and sex on the long-term prognosis associated with early repolarization in the general population. Heart Rhythm, 2020, 17, 621-628.	0.3	7
20	Appropriate Shocks and Mortality in Patients With Versus Without Diabetes With Prophylactic Implantable Cardioverter Defibrillators. Diabetes Care, 2020, 43, 196-200.	4.3	11
21	Vezf1 regulates cardiac structure and contractile function. EBioMedicine, 2020, 51, 102608.	2.7	16
22	Predicting sudden cardiac death in a general population using an electrocardiographic risk score. Heart, 2020, 106, 427-433.	1.2	35
23	Is it possible to predict and prevent sudden cardiac death as a first manifestation of cardiac disease?. International Journal of Cardiology, 2020, 303, 60-61.	0.8	0
24	Silent Myocardial Infarction and Sudden Cardiac Deathâ€"Finding the Culpritâ€"Reply. JAMA Cardiology, 2020, 5, 110.	3.0	0
25	Increased Beat-to-Beat Variability of T-Wave Heterogeneity Measured From Standard 12-Lead Electrocardiogram Is Associated With Sudden Cardiac Death: A Caseâ€"Control Study. Frontiers in Physiology, 2020, 11, 1045.	1.3	6
26	Association of non-shockable initial rhythm and psychotropic medication in sudden cardiac arrest. IJC Heart and Vasculature, 2020, 28, 100518.	0.6	2
27	Sex differences in QRS fragmentation and early repolarization pattern. , 2020, , 87-95.		0
28	Electrocardiographic Risk Markers for Heart Failure in Women Versus Men. American Journal of Cardiology, 2020, 130, 70-77.	0.7	3
29	Lower ST-elevation myocardial infarction incidence during COVID-19 epidemic in Northern Europe. Scandinavian Cardiovascular Journal, 2020, 54, 358-360.	0.4	8
30	Osteopontin and LDLR Are Upregulated in Hearts of Sudden Cardiac Death Victims With Heart Failure With Preserved Ejection Fraction and Diabetes Mellitus. Frontiers in Cardiovascular Medicine, 2020, 7, 610282.	1.1	3
31	Early Growth Patterns and Cardiac Structure and Function at Midlife: Northern Finland 1966 Birth Cohort Study. Journal of Pediatrics, 2020, 221, 151-158.e1.	0.9	4
32	Physical Activity and the Risk for Sudden Cardiac Death in Patients With Coronary Artery Disease. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007908.	2.1	7
33	Gender differences in prevalence and prognostic value of fragmented QRS complex. Journal of Electrocardiology, 2020, 61, 1-9.	0.4	4
34	Orthogonal P-wave morphology, conventional P-wave indices, and the risk of atrial fibrillation in the general population using data from the Finnish Hospital Discharge Register. Europace, 2020, 22, 1173-1181.	0.7	20
35	Electrocardiogram as a predictor of survival without appropriate shocks in primary prophylactic ICD patients: A retrospective multi-center study. International Journal of Cardiology, 2020, 309, 78-83.	0.8	4
36	Effect of four classes of antihypertensive drugs on cardiac repolarization heterogeneity: A double-blind rotational study. PLoS ONE, 2020, 15, e0230655.	1.1	1

#	Article	IF	Citations
37	Electrocardiographic Markers of Fibrosis in Cardiomyopathy: A Beginning of a Long Journey. Cardiology, 2020, 145, 309-310.	0.6	1
38	Electrocardiographic associations with myocardial fibrosis among sudden cardiac death victims. Heart, 2020, 106, 1001-1006.	1.2	26
39	miR-1468-3p Promotes Aging-Related Cardiac Fibrosis. Molecular Therapy - Nucleic Acids, 2020, 20, 589-605.	2.3	20
40	Electrocardiographic Risk Markers of Cardiac Death: Gender Differences in the General Population. Frontiers in Physiology, 2020, 11, 578059.	1.3	3
41	Automated electrocardiographic quantification of myocardial scar in patients undergoing primary prevention implantable cardioverter-defibrillator implantation: Association with mortality and subsequent appropriate and inappropriate therapies. Heart Rhythm, 2020, 17, 1664-1671.	0.3	3
42	Prognostic significance of Pâ€wave morphology in patients with coronary artery disease. Journal of Cardiovascular Electrophysiology, 2019, 30, 2051-2060.	0.8	4
43	Association of Silent Myocardial Infarction and Sudden Cardiac Death. JAMA Cardiology, 2019, 4, 796.	3.0	52
44	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, 4957.	5.8	84
45	Risk Factors Associated With Atrioventricular Block. JAMA Network Open, 2019, 2, e194176.	2.8	40
46	Prediabetes and Risk for Cardiac Death Among Patients With Coronary Artery Disease: The ARTEMIS Study. Diabetes Care, 2019, 42, 1319-1325.	4.3	31
47	Impact of constitutional TET2 haploinsufficiency on molecular and clinical phenotype in humans. Nature Communications, 2019, 10, 1252.	5.8	67
48	Recovery of rate-pressure product and cardiac mortality in coronary artery disease patients with type 2 diabetes. Diabetes Research and Clinical Practice, 2019, 150, 150-157.	1.1	8
49	Home Monitoring of Heart Rate as a Predictor of Imminent Cardiovascular Events. Frontiers in Physiology, 2019, 10, 341.	1.3	7
50	Childhood growth patterns and cardiovascular autonomic modulation in midlife: Northern Finland 1966 Birth Cohort Study. International Journal of Obesity, 2019, 43, 2264-2272.	1.6	3
51	Sudden Cardiac Death in Women. Circulation, 2019, 139, 1012-1021.	1.6	105
52	Long-term prognostic impact of hyperuricemia in community. Scandinavian Journal of Clinical and Laboratory Investigation, 2019, 79, 148-153.	0.6	1
53	Response to Comment on Kiviniemi et al. Prediabetes and Risk for Cardiac Death Among Patients With Coronary Artery Disease: The ARTEMIS Study. Diabetes Care 2019;42:1319â€“1325. Diabetes Care, 2019, 42, e195-e195.	4.3	0
54	Prevalence and Prognostic Significance of Negative U-waves in a 12-lead Electrocardiogram in the General Population. American Journal of Cardiology, 2019, 123, 267-273.	0.7	4

#	Article	IF	Citations
55	Combining noninvasive risk stratification parameters improves the prediction of mortality and appropriate ICD shocks. Annals of Noninvasive Electrocardiology, 2019, 24, e12604.	0.5	3
56	Repolarization Heterogeneity Measured With T-Wave Area Dispersion in Standard 12-Lead ECG Predicts Sudden Cardiac Death in General Population. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005762.	2.1	17
57	Prognostic value of Tâ€wave morphology parameters in coronary artery disease in current treatment era. Annals of Noninvasive Electrocardiology, 2018, 23, e12539.	0.5	13
58	Effect of Changes in Physical Activity on Risk for Cardiac Death in Patients With Coronary Artery Disease. American Journal of Cardiology, 2018, 121, 143-148.	0.7	42
59	Experiences in digitizing and digitally measuring a paper-based ECG archive. Journal of Electrocardiology, 2018, 51, 74-81.	0.4	24
60	Fragmented QRS complex as a predictor of exerciseâ€related sudden cardiac death. Journal of Cardiovascular Electrophysiology, 2018, 29, 55-60.	0.8	13
61	Association of initial recorded rhythm and underlying cardiac disease in sudden cardiac arrest. Resuscitation, 2018, 122, 76-78.	1.3	18
62	A comprehensive evaluation of the genetic architecture of sudden cardiac arrest. European Heart Journal, 2018, 39, 3961-3969.	1.0	59
63	Type 2 diabetes and coronary artery disease: Preserved ejection fraction and sudden cardiac death. Heart Rhythm, 2018, 15, 1450-1456.	0.3	35
64	Biomarkers as predictors of sudden cardiac death in coronary artery disease patients with preserved left ventricular function (ARTEMIS study). PLoS ONE, 2018, 13, e0203363.	1.1	17
65	Coronary stenosis as a modifier of the effect of cold spells on the risk of sudden cardiac death: a case-crossover study in Finland. BMJ Open, 2018, 8, e020865.	0.8	4
66	Characteristics and Prognosis of Exercise-Related Sudden Cardiac Arrest. Frontiers in Cardiovascular Medicine, 2018, 5, 102.	1.1	7
67	Depressive Symptoms and Risk for Sudden Cardiac Death in Stable Coronary Artery Disease. American Journal of Cardiology, 2018, 122, 749-755.	0.7	10
68	The OBF Database: A Large Face Video Database for Remote Physiological Signal Measurement and Atrial Fibrillation Detection. , 2018, , .		48
69	Primary Myocardial Fibrosis as an Alternative Phenotype Pathway of Inherited Cardiac Structural Disorders. Circulation, 2018, 137, 2716-2726.	1.6	41
70	Genetic loci associated with heart rate variability and their effects on cardiac disease risk. Nature Communications, 2017, 8, 15805.	5.8	95
71	Leptin predicts short-term major adverse cardiac events in patients with coronary artery disease. Annals of Medicine, 2017, 49, 448-454.	1.5	28
72	Association of sST2 and hs-CRP levels with new-onset atrial fibrillation in coronary artery disease. International Journal of Cardiology, 2017, 248, 173-178.	0.8	43

#	Article	IF	Citations
73	Cold spells and ischaemic sudden cardiac death: effect modification by prior diagnosis of ischaemic heart disease and cardioprotective medication. Scientific Reports, 2017, 7, 41060.	1.6	17
74	Risk of sudden cardiac death in relation to season-specific cold spells: a caseâ€“crossover study in Finland. BMJ Open, 2017, 7, e017398.	0.8	24
75	Long-term survival among patients with coronary angioplasty with drug eluting stent for the treatment of unprotected left main stenosis compared to coronary artery bypass grafting. International Journal of Cardiology, 2016, 225, 47-49.	0.8	3
76	The ability of an electrocardiogram to predict fatal and non-fatal cardiac events in asymptomatic middle-aged subjects. Annals of Medicine, 2016, 48, 525-531.	1.5	5
77	12-Lead electrocardiogram as a predictor of sudden cardiac death: from epidemiology to clinical practice. Scandinavian Cardiovascular Journal, 2016, 50, 253-259.	0.4	8
78	High-sensitivity troponin predicts coronary disease outcomes in type 2 diabetes but yields no benefit in selecting patients for revascularisation. Evidence-Based Medicine, 2016, 21, 100-100.	0.6	1
79	Temporal Trends in the Clinical and Pathological Characteristics of Victims of Sudden Cardiac Death in the Absence of Previously Identified Heart Disease. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	2.1	44
80	Diabetes, glucose tolerance, and the risk of sudden cardiac death. BMC Cardiovascular Disorders, 2016, 16, 51.	0.7	38
81	Usefulness of Highly Sensitive Troponin as a Predictor of Short-Term Outcome in Patients With Diabetes Mellitus and Stable Coronary Artery Disease (from the ARTEMIS Study). American Journal of Cardiology, 2016, 117, 515-521.	0.7	19
82	Blood alcohol in victims of sudden cardiac death in northern Finland. Europace, 2016, 18, 1006-1009.	0.7	13
83	Antiepileptic medications and the risk for sudden cardiac death caused by an acute coronary event: a prospective case-control study. Annals of Medicine, 2016, 48, 111-117.	1.5	14
84	Body Mass Index as a Predictor of Sudden Cardiac Death and Usefulness of the Electrocardiogram for Risk Stratification. American Journal of Cardiology, 2016, 117, 388-393.	0.7	12
85	Heart Rate Turbulence and Tâ€Wave Alternans in Patients with Coronary Artery Disease: The Influence of Diabetes. Annals of Noninvasive Electrocardiology, 2015, 20, 481-487.	0.5	8
86	Electrocardiographic TÂWave Abnormalities and the Risk of Sudden Cardiac Death: The Finnish Perspective. , 2015, 20, 526-533.		16
87	Serum PINP, PIIINP, galectin-3, and ST2 as surrogates of myocardial fibrosis and echocardiographic left venticular diastolic filling properties. Frontiers in Physiology, 2015, 6, 200.	1.3	38
88	Clinical aspects of inherited J-wave syndromes. Trends in Cardiovascular Medicine, 2015, 25, 24-30.	2.3	10
89	Effects of Physical Activity and Exercise Training on Cardiovascular Risk in Coronary Artery Disease Patients With and Without Type 2 Diabetes. Diabetes Care, 2015, 38, 706-715.	4.3	44
90	Sudden cardiac death during physical exercise: Characteristics of victims and autopsy findings. Annals of Medicine, 2015, 47, 262-267.	1.5	23

#	Article	IF	Citations
91	Response to Letter Regarding Article, â€œPrevalence and Prognostic Significance of Abnormal P Terminal Force in Lead V ₁ of the Electrocardiogram in the General Populationâ€. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 244-244.	2.1	0
92	Exercise Capacity and Heart Rate Responses to Exercise asÂPredictors of Short-Term Outcome Among Patients WithÂStable Coronary Artery Disease. American Journal of Cardiology, 2015, 116, 1495-1501.	0.7	15
93	Prevalence and Prognostic Significance of Abnormal P Terminal Force in Lead V ₁ of the ECG in the General Population. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 1116-1121.	2.1	66
94	Delayed QRS transition in the precordial leads of an electrocardiogram as a predictor of sudden cardiac death in the general population. Heart Rhythm, 2014, 11, 2254-2260.	0.3	14
95	Defining the role of common variation in the genomic and biological architecture of adult human height. Nature Genetics, 2014, 46, 1173-1186.	9.4	1,818
96	Early repolarization as a predictor of arrhythmic and nonarrhythmic cardiac events in middle-aged subjects. Heart Rhythm, 2014, 11, 1701-1706.	0.3	58
97	Relationship Between Testosterone Level and Early Repolarization on 12-Lead Electrocardiograms in Men. Journal of the American College of Cardiology, 2013, 62, 1633-1634.	1.2	36
98	Comparison of Inferolateral Early Repolarization and Its Electrocardiographic Phenotypes in Pre- and Postadolescent Populations. American Journal of Cardiology, 2013, 112, 444-448.	0.7	16
99	Risk markers of sudden cardiac death in standard 12-lead electrocardiograms. Annals of Medicine, 2012, 44, 717-732.	1.5	10
100	Association of Early Repolarization and Sudden Cardiac Death During an Acute Coronary Event. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 714-718.	2.1	91
101	Sudden Cardiac Death Caused by Coronary Heart Disease. Circulation, 2012, 125, 1043-1052.	1.6	389
102	Psychotropic medications and the risk of sudden cardiac death during an acute coronary event. European Heart Journal, 2012, 33, 745-751.	1.0	78
103	Prevalence and Prognostic Significance of T-Wave Inversions in Right Precordial Leads of a 12-Lead Electrocardiogram in the Middle-Aged Subjects. Circulation, 2012, 125, 2572-2577.	1.6	80
104	Clinical significance of variants of J-points and J-waves: early repolarization patterns and risk. European Heart Journal, 2012, 33, 2639-2643.	1.0	80
105	A meta-analysis of genome-wide association studies of the electrocardiographic early repolarization pattern. Heart Rhythm, 2012, 9, 1627-1634.	0.3	58
106	Causes of nonischemic sudden cardiac death in the current era. Heart Rhythm, 2011, 8, 1570-1575.	0.3	119
107	Inferolateral early repolarization in athletes. Journal of Interventional Cardiac Electrophysiology, 2011, 31, 33-38.	0.6	67
108	Intraventricular Conduction Delay in a Standard 12-Lead Electrocardiogram as a Predictor of Mortality in the General Population. Circulation: Arrhythmia and Electrophysiology, 2011, 4, 704-710.	2.1	154

#	Article	IF	Citations
109	Early Repolarization. Circulation, 2011, 123, 2666-2673.	1.6	394
110	Safety of serial MRI in patients with implantable cardioverter defibrillators. Heart, 2011, 97, 1852-1856.	1.2	53
111	Sudden cardiac death after myocardial infarction in patients with type 2 diabetes. Heart Rhythm, 2010, 7, 1396-1403.	0.3	83
112	Long-Term Outcome Associated with Early Repolarization on Electrocardiography. New England Journal of Medicine, 2009, 361, 2529-2537.	13.9	750
113	Differences in 12â€Lead Electrocardiogram Between Symptomatic and Asymptomatic Brugada Syndrome Patients. Journal of Cardiovascular Electrophysiology, 2008, 19, 380-383.	0.8	101
114	Induced Brugada-Type Electrocardiogram, a Sign for Imminent Malignant Arrhythmias. Circulation, 2008, 117, 1890-1893.	1.6	163
115	Familial clustering of lone atrial fibrillation in patients with saddleback-type ST-segment elevation in right precordial leads. European Heart Journal, 2007, 28, 463-468.	1.0	21