

Rik Willems

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

175 papers	5,705 citations	35 h-index	72 g-index
198 ext. papers	6,805 ext. citations	4.5 avg, IF	5.29 L-index

#	Paper	IF	Citations
175	Cardiac-resynchronization therapy for mild-to-moderate heart failure. <i>New England Journal of Medicine</i> , 2010 , 363, 2385-95	59.2	1258
174	High prevalence of right ventricular involvement in endurance athletes with ventricular arrhythmias. Role of an electrophysiologic study in risk stratification. <i>European Heart Journal</i> , 2003 , 24, 1473-80	9.5	260
173	Mechanical dispersion assessed by myocardial strain in patients after myocardial infarction for risk prediction of ventricular arrhythmia. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 247-56	8.4	188
172	Which QT Correction Formulae to Use for QT Monitoring?. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	187
171	Significance of initial ST segment elevation and depression for the management of thrombolytic therapy in acute myocardial infarction. European Cooperative Study Group for Recombinant Tissue-Type Plasminogen Activator. <i>Circulation</i> , 1990 , 82, 1147-58	16.7	168
170	Obesity is a major determinant of radiation dose in patients undergoing pulmonary vein isolation for atrial fibrillation. <i>Journal of the American College of Cardiology</i> , 2007 , 50, 234-42	15.1	162
169	Lower than expected desmosomal gene mutation prevalence in endurance athletes with complex ventricular arrhythmias of right ventricular origin. <i>Heart</i> , 2010 , 96, 1268-74	5.1	142
168	Endurance sports is a risk factor for atrial fibrillation after ablation for atrial flutter. <i>International Journal of Cardiology</i> , 2006 , 107, 67-72	3.2	141
167	Matrix metalloproteinases and atrial remodeling in patients with mitral valve disease and atrial fibrillation. <i>Cardiovascular Research</i> , 2005 , 67, 655-66	9.9	140
166	Ultrastructural and functional remodeling of the coupling between Ca ²⁺ influx and sarcoplasmic reticulum Ca ²⁺ release in right atrial myocytes from experimental persistent atrial fibrillation. <i>Circulation Research</i> , 2009 , 105, 876-85	15.7	130
165	Atrial fibrillation is associated with the fibrotic remodelling of adipose tissue in the subepicardium of human and sheep atria. <i>European Heart Journal</i> , 2017 , 38, 53-61	9.5	126
164	Relationship of visually assessed apical rocking and septal flash to response and long-term survival following cardiac resynchronization therapy (PREDICT-CRT). <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 262-9	4.1	117
163	Reduced right ventricular ejection fraction in endurance athletes presenting with ventricular arrhythmias: a quantitative angiographic assessment. <i>European Heart Journal</i> , 2007 , 28, 345-53	9.5	116
162	Right atrial angiographic evaluation of the posterior isthmus: relevance for ablation of typical atrial flutter. <i>Circulation</i> , 2000 , 101, 2178-84	16.7	108
161	Risk factors for QTc-prolongation: systematic review of the evidence. <i>International Journal of Clinical Pharmacy</i> , 2017 , 39, 16-25	2.3	99
160	Potential role of remote monitoring for scheduled and unscheduled evaluations of patients with an implantable defibrillator. <i>Europace</i> , 2008 , 10, 351-7	3.9	90
159	Validation of the 2014 European Society of Cardiology guidelines risk prediction model for the primary prevention of sudden cardiac death in hypertrophic cardiomyopathy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015 , 8, 829-35	6.4	88

158	Accuracy of Echocardiography to Evaluate Pulmonary Vascular and RV Function During Exercise. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 532-43	8.4	85
157	Safety of Sports for Athletes With Implantable Cardioverter-Defibrillators: Long-Term Results of a Prospective Multinational Registry. <i>Circulation</i> , 2017 , 135, 2310-2312	16.7	76
156	Self-terminating AF depends on electrical remodeling while persistent AF depends on additional structural changes in a rapid atrially paced sheep model. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 43, 148-58	5.8	70
155	Efficacy of radiofrequency catheter ablation in athletes with atrial fibrillation. <i>Europace</i> , 2011 , 13, 1386-93	9.3	66
154	Implantable cardioverter-defibrillators in hypertrophic cardiomyopathy: patient outcomes, rate of appropriate and inappropriate interventions, and complications. <i>American Heart Journal</i> , 2013 , 166, 496-502	4.8	63
153	Long-term outcomes after medical and invasive treatment in patients with hypertrophic cardiomyopathy. <i>JACC: Heart Failure</i> , 2014 , 2, 630-6	7.9	61
152	Assessment of apical rocking: a new, integrative approach for selection of candidates for cardiac resynchronization therapy. <i>European Journal of Echocardiography</i> , 2010 , 11, 863-9		61
151	Early and late effects of cardiac resynchronization therapy on force-frequency relation and contractility regulating gene expression in heart failure patients. <i>Heart Rhythm</i> , 2008 , 5, 52-9	6.7	60
150	Atrial fibrillation after radiofrequency ablation of atrial flutter: preventive effect of angiotensin converting enzyme inhibitors, angiotensin II receptor blockers, and diuretics. <i>Heart</i> , 2004 , 90, 1025-30	5.1	59
149	Ryanodine receptor cluster fragmentation and redistribution in persistent atrial fibrillation enhance calcium release. <i>Cardiovascular Research</i> , 2015 , 108, 387-98	9.9	58
148	External prolonged electrocardiogram monitoring in unexplained syncope and palpitations: results of the SYNARR-Flash study. <i>Europace</i> , 2016 , 18, 1265-72	3.9	47
147	Evaluation of Index of Cardio-Electrophysiological Balance (iCEB) as a New Biomarker for the Identification of Patients at Increased Arrhythmic Risk. <i>Annals of Noninvasive Electrocardiology</i> , 2016 , 21, 294-304	1.5	47
146	Dynamic relationship of left-ventricular dyssynchrony and contractile reserve in patients undergoing cardiac resynchronization therapy. <i>European Heart Journal</i> , 2014 , 35, 48-55	9.5	44
145	Alternative strategies in arrhythmia therapy: evaluation of Na/Ca exchange as an anti-arrhythmic target. <i>Pharmacology & Therapeutics</i> , 2012 , 134, 26-42	13.9	41
144	Different patterns of angiotensin II and atrial natriuretic peptide secretion in a sheep model of atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2001 , 12, 1387-92	2.7	40
143	Development of a risk score for QTc-prolongation: the RISQ-PATH study. <i>International Journal of Clinical Pharmacy</i> , 2017 , 39, 424-432	2.3	37
142	Predictors of 30-day and 1-year mortality after transvenous lead extraction: a single-centre experience. <i>Europace</i> , 2014 , 16, 1218-25	3.9	37
141	Three-dimensional cardiac rotational angiography: effective radiation dose and image quality implications. <i>Europace</i> , 2010 , 12, 194-201	3.9	37

140	Sex differences in outcomes of primary prevention implantable cardioverter-defibrillator therapy: combined registry data from eleven European countries. <i>Europace</i> , 2018 , 20, 963-970	3.9	35
139	Prediction of mortality benefit based on periodic repolarisation dynamics in patients undergoing prophylactic implantation of a defibrillator: a prospective, controlled, multicentre cohort study. <i>Lancet, The</i> , 2019 , 394, 1344-1351	4.0	33
138	Role of nitric oxide and oxidative stress in a sheep model of persistent atrial fibrillation. <i>Europace</i> , 2013 , 15, 754-60	3.9	33
137	Bidirectional ventricular tachycardia in fulminant myocarditis. <i>Europace</i> , 2008 , 10, 767-8	3.9	33
136	Azithromycin during Acute Chronic Obstructive Pulmonary Disease Exacerbations Requiring Hospitalization (BACE). A Multicenter, Randomized, Double-Blind, Placebo-controlled Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 857-868	10.2	31
135	Long-Term Outcome of Alcohol Septal Ablation for Obstructive Hypertrophic Cardiomyopathy in the Young and the Elderly. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, 463-9	5	30
134	Assessment of mechanical dyssynchrony can improve the prognostic value of guideline-based patient selection for cardiac resynchronization therapy. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 66-74	4.1	28
133	Heart Rate Reserve in Fontan Patients: Chronotropic Incompetence or Hemodynamic Limitation?. <i>Journal of the American Heart Association</i> , 2019 , 8, e012008	6	26
132	Pericardial effusion and right-sided pneumothorax resulting from an atrial active-fixation lead. <i>Europace</i> , 2003 , 5, 419-23	3.9	26
131	On the (in)security of the latest generation implantable cardiac defibrillators and how to secure them 2016 ,		26
130	Long-term endurance sport is a risk factor for development of lone atrial flutter. <i>Heart</i> , 2011 , 97, 918-22	5.1	24
129	Impaired Cardiac Reserve and Abnormal Vascular Load Limit Exercise Capacity in Chronic Thromboembolic Disease. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1444-1456	8.4	24
128	Artefact detection and quality assessment of ambulatory ECG signals. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 182, 105050	6.9	22
127	REM sleep-related brady-arrhythmia syndrome. <i>Sleep and Breathing</i> , 2007 , 11, 195-9	3.1	22
126	Incidence of Torsade de Pointes in a tertiary hospital population. <i>International Journal of Cardiology</i> , 2017 , 243, 511-515	3.2	20
125	Intensive recreational athletes in the prospective multinational ICD Sports Safety Registry: Results from the European cohort. <i>European Journal of Preventive Cardiology</i> , 2019 , 26, 764-775	3.9	20
124	Arrhythmogenicity of fibro-fatty infiltrations. <i>Scientific Reports</i> , 2018 , 8, 2050	4.9	20
123	Epicardial pacing: a single-centre study on 321 leads in 138 patients. <i>Acta Cardiologica</i> , 2006 , 61, 343-51	0.9	20

122	Ventricular high-rate episodes in pacemaker diagnostics identify a high-risk subgroup of patients with tachy-brady syndrome. <i>Heart Rhythm</i> , 2004 , 1, 414-21	6.7	19
121	Total atrioventricular nodal ablation increases atrial fibrillation burden in patients with paroxysmal atrial fibrillation despite continuation of antiarrhythmic drug therapy. <i>Journal of Cardiovascular Electrophysiology</i> , 2003 , 14, 1296-301	2.7	19
120	Repeated tilt testing in patients with tilt-positive neurally mediated syncope. <i>Europace</i> , 2005 , 7, 628-33	3.9	17
119	The association of volumetric response and long-term survival after cardiac resynchronization therapy. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 1109-1117	4.1	16
118	Changes in Implantation Patterns and Therapy Rates of Implantable Cardioverter Defibrillators over Time in Ischemic and Dilated Cardiomyopathy Patients. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2016 , 39, 848-57	1.6	16
117	Competitive athletes with implantable cardioverter-defibrillators-How to program? Data from the Implantable Cardioverter-Defibrillator Sports Registry. <i>Heart Rhythm</i> , 2019 , 16, 581-587	6.7	16
116	A Machine-Learning Approach for Detection and Quantification of QRS Fragmentation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 1980-1989	7.2	16
115	Reduced Penetrance and Variable Expression of SCN5A Mutations and the Importance of Co-inherited Genetic Variants: Case Report and Review of the Literature. <i>Indian Pacing and Electrophysiology Journal</i> , 2014 , 14, 133-49	1.5	15
114	Differential multivariable risk prediction of appropriate shock versus competing mortality - A prospective cohort study to estimate benefits from ICD therapy. <i>International Journal of Cardiology</i> , 2018 , 272, 102-107	3.2	15
113	Behavior of leadless AV synchronous pacing during atrial arrhythmias and stability of the atrial signals over time-Results of the MARVEL Evolve subanalysis. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019 , 42, 381-387	1.6	14
112	Sex-specific difference in outcome after cardiac resynchronization therapy. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 504-511	4.1	14
111	Leadless pacing with Micra TPS: A comparison between right ventricular outflow tract, mid-septal, and apical implant sites. <i>Journal of Cardiovascular Electrophysiology</i> , 2019 , 30, 2002-2011	2.7	14
110	Frequency of use of QT-interval prolonging drugs in psychiatry in Belgium. <i>International Journal of Clinical Pharmacy</i> , 2014 , 36, 757-65	2.3	14
109	Inferior and anterior QRS fragmentation have different prognostic value in patients who received an implantable defibrillator in primary prevention of sudden cardiac death. <i>International Journal of Cardiology</i> , 2017 , 243, 223-228	3.2	14
108	Value of electrocardiographic scoring systems for the assessment of thrombolytic therapy in acute myocardial infarction. The European Cooperative Study Group for Recombinant Tissue Type Plasminogen Activator. <i>European Heart Journal</i> , 1991 , 12, 378-88	9.5	14
107	Rationale and design of the EU-CERT-ICD prospective study: comparative effectiveness of prophylactic ICD implantation. <i>ESC Heart Failure</i> , 2019 , 6, 182-193	3.7	14
106	Individualized corrected QT interval is superior to QT interval corrected using the Bazett formula in predicting mutation carriage in families with long QT syndrome. <i>Heart Rhythm</i> , 2017 , 14, 376-382	6.7	13
105	Paradoxical undersensing at a high sensitivity in dual chamber pacemakers. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2001 , 24, 308-15	1.6	13

104	R-DECO: an open-source Matlab based graphical user interface for the detection and correction of R-peaks. <i>PeerJ Computer Science</i> , 2019 , 5, e226	2.7	13
103	Simultaneous creation and evaluation of linear radiofrequency lesions. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2002 , 6, 215-24	2.4	12
102	Inter- and intra-observer variability of visual fragmented QRS scoring in ischemic and non-ischemic cardiomyopathy. <i>Journal of Electrocardiology</i> , 2018 , 51, 549-554	1.4	11
101	Risk Management of Hospitalized Psychiatric Patients Taking Multiple QTc-Prolonging Drugs. <i>Journal of Clinical Psychopharmacology</i> , 2017 , 37, 540-545	1.7	11
100	Ablation of focally induced atrial fibrillation: selective or extensive?. <i>Journal of Cardiovascular Electrophysiology</i> , 2004 , 15, 200-5	2.7	11
99	Withdrawal of Neurohumoral Blockade After Cardiac Resynchronization Therapy. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1426-1438	15.1	10
98	T-wave end detection using neural networks and Support Vector Machines. <i>Computers in Biology and Medicine</i> , 2018 , 96, 116-127	7	10
97	Rationale, objectives, and design of the EUTrigTreat clinical study: a prospective observational study for arrhythmia risk stratification and assessment of interrelationships among repolarization markers and genotype. <i>Europace</i> , 2012 , 14, 416-22	3.9	10
96	Cases of drug-induced Torsade de Pointes: a review of Belgian cases in the EudraVigilance database. <i>Acta Clinica Belgica</i> , 2017 , 72, 385-390	1.8	9
95	Long-Term Outcome After CRT in the Presence of Mechanical Dyssynchrony Seen With Chronic RV Pacing or Intrinsic LBBB. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1091-1099	8.4	9
94	Repeat genetic testing with targeted capture sequencing in primary arrhythmia syndrome and cardiomyopathy. <i>European Journal of Human Genetics</i> , 2017 , 25, 1313-1323	5.3	9
93	A smart algorithm for the prevention and risk management of QTc prolongation based on the optimized RISQ-PATH model. <i>British Journal of Clinical Pharmacology</i> , 2018 , 84, 2824-2835	3.8	9
92	Late recovery of atrioventricular conduction after postsurgical chronic atrioventricular block is not exceptional. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 145, 1028-1032	1.5	9
91	Long-term symptomatic benefit after radiofrequency catheter ablation for atrial flutter despite a high incidence of post-procedural atrial fibrillation. <i>Acta Cardiologica</i> , 2006 , 61, 75-82	0.9	9
90	Monocentric experience of leadless pacing with focus on challenging cases for conventional pacemaker. <i>Acta Cardiologica</i> , 2018 , 73, 459-468	0.9	9
89	Appearance of QRS fragmentation late after Mustard/Senning repair is associated with adverse outcome. <i>Heart</i> , 2017 , 103, 1036-1042	5.1	8
88	Long-Term Follow-Up of Children with Heart Block Born from Mothers with Systemic Lupus Erythematosus: A Retrospective Study from the Database Pediatric and Congenital Heart Disease in University Hospitals Leuven. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2016 , 39, 935-43	1.6	8
87	QT correction across the heart rate spectrum, in atrial fibrillation and ventricular conduction defects. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018 , 41, 1101-1108	1.6	8

86	Microvolt T-wave alternans and beat-to-beat variability of repolarization during early postischemic remodeling in a pig heart. <i>Heart Rhythm</i> , 2011 , 8, 1050-7	6.7	8
85	Risk management of QTc-prolongation in patients receiving haloperidol: an epidemiological study in a University hospital in Belgium. <i>International Journal of Clinical Pharmacy</i> , 2016 , 38, 310-20	2.3	8
84	Right ventricular strain rate during exercise accurately identifies male athletes with right ventricular arrhythmias. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 282-290	4.1	7
83	The Impact of Function-Flow Interaction on Left Ventricular Efficiency in Patients with Conduction Abnormalities: A Particle Image Velocimetry and Tissue Doppler Study. <i>Journal of the American Society of Echocardiography</i> , 2016 , 29, 431-40	5.8	7
82	Heart rate turbulence predicts ICD-resistant mortality in ischaemic heart disease. <i>Europace</i> , 2014 , 16, 1069-77	3.9	7
81	Failure of epicardial pacing leads in congenital heart disease: not uncommon and difficult to predict. <i>Netherlands Heart Journal</i> , 2011 , 19, 331-5	2.2	7
80	T-wave alternans and beat-to-beat variability of repolarization: pathophysiological backgrounds and clinical relevance. <i>Acta Cardiologica</i> , 2012 , 67, 713-8	0.9	7
79	Do population studies confirm the benefit of oral anticoagulation in atrial fibrillation demonstrated in clinical trials?. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2004 , 10 Suppl 1, 9-16	2.4	7
78	Mind the model: effect of instrumentation on inducibility of atrial fibrillation in a sheep model. <i>Journal of Cardiovascular Electrophysiology</i> , 2002 , 13, 62-7	2.7	7
77	Effect of different pacing protocols on the induction of atrial fibrillation in a transvenously paced sheep model. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2001 , 24, 925-32	1.6	7
76	Differential presentation of atrioventricular nodal re-entrant tachycardia in athletes and non-athletes. <i>Europace</i> , 2019 , 21, 944-949	3.9	7
75	Development and external validation of prediction models to predict implantable cardioverter-defibrillator efficacy in primary prevention of sudden cardiac death. <i>Europace</i> , 2021 , 23, 887-897	3.9	7
74	Myocyte Remodeling Due to Fibro-Fatty Infiltrations Influences Arrhythmogenicity. <i>Frontiers in Physiology</i> , 2018 , 9, 1381	4.6	7
73	Further insights into blood pressure induced premature beats: Transient depolarizations are associated with fast myocardial deformation upon pressure decline. <i>Heart Rhythm</i> , 2015 , 12, 2305-15	6.7	6
72	Leadless cardiac pacemaker as alternative in case of congenital vascular abnormality and pocket infection. <i>Europace</i> , 2016 , 18, 1564	3.9	6
71	Can body surface microvolt T-wave alternans distinguish concordant and discordant intracardiac alternans?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2013 , 36, 1007-16	1.6	6
70	Nitric oxide delays atrial tachycardia-induced electrical remodelling in a sheep model. <i>Europace</i> , 2011 , 13, 747-54	3.9	6
69	Transvenous extraction of pacing and defibrillator leads--a single-centre experience. <i>Acta Cardiologica</i> , 2012 , 67, 641-8	0.9	6

68	Contralateral pneumothorax after endocardial dual-chamber pacemaker implantation resulting from atrial lead perforation. <i>Acta Cardiologica</i> , 2009 , 64, 271-3	0.9	6
67	Autonomic Dysfunction Increases Cardiovascular Risk in the Presence of Sleep Apnea. <i>Frontiers in Physiology</i> , 2019 , 10, 620	4.6	5
66	Successful repositioning of leadless cardiac pacemaker during open heart surgery. <i>Acta Cardiologica</i> , 2017 , 72, 503-504	0.9	5
65	Long-term outcome of conservative and invasive treatment in patients with hypertrophic obstructive cardiomyopathy. <i>Acta Cardiologica</i> , 2019 , 74, 253-261	0.9	5
64	Whole exome sequencing in a large pedigree with DCM identifies a novel mutation in. <i>Acta Cardiologica</i> , 2020 , 75, 748-753	0.9	5
63	Significance of prolonged QTc in acute exacerbations of COPD requiring hospitalization. <i>International Journal of COPD</i> , 2018 , 13, 1937-1947	3	5
62	Automatic detection of T wave alternans using tensor decompositions in multilead ECG signals. <i>Physiological Measurement</i> , 2017 , 38, 1513-1528	2.9	4
61	Determinants of the difficulty of leadless pacemaker implantation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020 , 43, 551-557	1.6	4
60	Genotype-phenotype relationship and risk stratification in loss-of-function SCN5A mutation carriers. <i>Annals of Noninvasive Electrocardiology</i> , 2018 , 23, e12548	1.5	4
59	The evolution and benefit of device therapy in patients listed for heart transplant. <i>Europace</i> , 2018 , 20, 786-793	3.9	4
58	Left and Right Ventricle Leads Switch as a Solution for TWave Oversensing - How a Good Idea Turned Out Bad. <i>Indian Pacing and Electrophysiology Journal</i> , 2014 , 14, 157-60	1.5	4
57	Detection of irregular heartbeats using tensors 2015 ,		4
56	Twiddler syndrome causing an inappropriate implantable cardioverter-defibrillator shock. <i>European Heart Journal</i> , 2014 , 35, 516	9.5	4
55	The use of cardiac magnetic resonance imaging in the diagnostic workup and treatment of atrial fibrillation. <i>Cardiology Research and Practice</i> , 2012 , 2012, 658937	1.9	4
54	Determination of atrial fibrillation frequency using QRST-cancellation with QRS-scaling in standard electrocardiogram leads 2005 ,		4
53	Nonpharmacologic treatment of atrial fibrillation in elderly persons. <i>The American Journal of Geriatric Cardiology</i> , 2005 , 14, 68-72		4
52	Appropriate and inappropriate implantable cardioverter defibrillator interventions during secondary prevention. <i>Acta Cardiologica</i> , 2008 , 63, 39-45	0.9	4
51	Altered adrenergic response in myocytes bordering a chronic myocardial infarction underlies in vivo triggered activity and repolarization instability. <i>Journal of Physiology</i> , 2020 , 598, 2875-2895	3.9	4

50	Predictors of a high defibrillation threshold test during routine ICD implantation. <i>Acta Cardiologica</i> , 2018 , 73, 267-273	0.9	3
49	The impact of changes in LVEF and renal function on the prognosis of ICD patients after elective device replacement. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2017 , 40, 1147-1159	1.6	3
48	Tensor-based detection of T wave alternans using ECG. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6991-4	0.9	3
47	How to choose between a pacemaker or defibrillator for resynchronization therapy?. <i>Acta Cardiologica</i> , 2014 , 69, 483-9	0.9	3
46	A marker of mayhem: macrovolt T-wave alternans preceding polymorphic ventricular tachycardia. <i>European Heart Journal</i> , 2011 , 32, 2488	9.5	3
45	Pacemaker-mediated tachycardia with varying cycle length: what is the mechanism?. <i>Europace</i> , 2009 , 11, 1400-2	3.9	3
44	New indications for pacing. <i>Current Cardiology Reports</i> , 2003 , 5, 369-74	4.2	3
43	1461 Response to repeated tilt testing in different haemodynamic types of neurally mediated syncope. <i>European Heart Journal</i> , 2003 , 24, 266	9.5	3
42	Appropriate Shocks and Mortality in Patients With Versus Without Diabetes With Prophylactic Implantable Cardioverter Defibrillators. <i>Diabetes Care</i> , 2020 , 43, 196-200	14.6	3
41	Influence of food intake on the QT and QT/RR relation. <i>Journal of Electrocardiology</i> , 2016 , 49, 720-7	1.4	3
40	Clinical and ECG variables to predict the outcome of genetic testing in hypertrophic cardiomyopathy. <i>European Journal of Medical Genetics</i> , 2020 , 63, 103754	2.6	3
39	Prognostic value of electrocardiographic time intervals and QT rate dependence in hypertrophic cardiomyopathy. <i>Journal of Electrocardiology</i> , 2018 , 51, 1077-1083	1.4	3
38	Response to atrial arrhythmias in an atrioventricular synchronous ventricular leadless pacemaker: A case report in a paroxysmal atrial fibrillation patient. <i>HeartRhythm Case Reports</i> , 2018 , 4, 561-563	1	3
37	Why it is important to use the correct dose of the non-vitamin K oral anticoagulants. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 461	4.1	2
36	Response of Robyns to the Tse letter to editor. <i>Annals of Noninvasive Electrocardiology</i> , 2017 , 22,	1.5	2
35	Undersensing of ventricular fibrillation due to interference between a pacemaker and defibrillator in the same patient. <i>Europace</i> , 2009 , 11, 1390-1	3.9	2
34	Controversies in pacing: indications and programming. <i>Current Cardiology Reports</i> , 2005 , 7, 336-41	4.2	2
33	Repeating noninvasive risk stratification improves prediction of outcome in ICD patients. <i>Annals of Noninvasive Electrocardiology</i> , 2020 , 25, e12794	1.5	2

32	Evaluation of Methods to Characterize the Change of the Respiratory Sinus Arrhythmia with Age in Sleep Apnea Patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2019, 2019, 1588-1591</i>	0.9	2
31	Combining noninvasive risk stratification parameters improves the prediction of mortality and appropriate ICD shocks. <i>Annals of Noninvasive Electrocardiology, 2019, 24, e12604</i>	1.5	2
30	Data on differential multivariable risk prediction of appropriate shock vs. competing mortality. <i>Data in Brief, 2018, 21, 2110-2116</i>	1.2	2
29	Discrete sites of frequent premature ventricular complexes cluster within the infarct border zone and coincide with high frequency of delayed afterdepolarizations under adrenergic stimulation. <i>Heart Rhythm, 2021, 18, 1976-1987</i>	6.7	2
28	Present criteria for prophylactic ICD implantation: Insights from the EU-CERT-ICD (Comparative Effectiveness Research to Assess the Use of Primary Prophylactic Implantable Cardioverter Defibrillators in Europe) project. <i>Journal of Electrocardiology, 2019, 57S, S34-S39</i>	1.4	1
27	T-Wave Alternans Is Linked to Microvascular Obstruction and to Recurrent Coronary Ischemia After Myocardial Infarction. <i>Journal of Cardiovascular Translational Research, 2015, 8, 484-92</i>	3.3	1
26	Electrocardiogram as a predictor of survival without appropriate shocks in primary prophylactic ICD patients: A retrospective multi-center study. <i>International Journal of Cardiology, 2020, 309, 78-83</i>	3.2	1
25	Implantable cardioverter/defibrillator interventions in primary prevention: do current implantation criteria really predict ICD interventions?. <i>Acta Cardiologica, 2011, 66, 145-51</i>	0.9	1
24	Tilt training and pacing: a report on 9 patients with neurally mediated syncope. <i>Acta Cardiologica, 2010, 65, 3-7</i>	0.9	1
23	Think outside the heart! Case report of Lyme disease. <i>Acta Cardiologica, 2007, 62, 519-22</i>	0.9	1
22	Leadless pacing using the transcatheter pacing system (Micra TPS) in the real world: initial Swiss experience from the Romandie region. <i>Europace, 2019, 21, 356-357</i>	3.9	1
21	Clinical characterization of the first Belgian SCN5A founder mutation cohort. <i>Europace, 2021, 23, 918-923</i>	3.9	1
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