

# Frits W Prinzen

## List of Publications by Citations

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182  
papers

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46  
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203  
ext. papers

8,439  
ext. citations

4.7  
avg, IF

5.77  
L-index

#	Paper	IF	Citations
182	Mapping of regional myocardial strain and work during ventricular pacing: experimental study using magnetic resonance imaging tagging. <i>Journal of the American College of Cardiology</i> , <b>1999</b> , 33, 1735-42	15.1	520
181	Asynchronous electrical activation induces asymmetrical hypertrophy of the left ventricular wall. <i>Circulation</i> , <b>1998</b> , 98, 588-95	16.7	292
180	Left bundle branch block induces ventricular remodelling and functional septal hypoperfusion. <i>European Heart Journal</i> , <b>2005</b> , 26, 91-8	9.5	249
179	Relation between the pacing induced sequence of activation and left ventricular pump function in animals. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2002</b> , 25, 484-98	1.6	226
178	Left bundle-branch block induced by transcatheter aortic valve implantation increases risk of death. <i>Circulation</i> , <b>2012</b> , 126, 720-8	16.7	206
177	2012 EHRA/HRS expert consensus statement on cardiac resynchronization therapy in heart failure: implant and follow-up recommendations and management. <i>Europace</i> , <b>2012</b> , 14, 1236-86	3.9	195
176	Asymmetric thickness of the left ventricular wall resulting from asynchronous electric activation: a study in dogs with ventricular pacing and in patients with left bundle branch block. <i>American Heart Journal</i> , <b>1995</b> , 130, 1045-53	4.9	189
175	2012 EHRA/HRS expert consensus statement on cardiac resynchronization therapy in heart failure: implant and follow-up recommendations and management. <i>Heart Rhythm</i> , <b>2012</b> , 9, 1524-76	6.7	170
174	A new paradigm for physiologic ventricular pacing. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 47, 282-8	15.1	170
173	Non-responders to cardiac resynchronization therapy: the magnitude of the problem and the issues. <i>Circulation Journal</i> , <b>2011</b> , 75, 521-7	2.9	169
172	Adaptation to mechanical load determines shape and properties of heart and circulation: the CircAdapt model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 288, H1943-54	5.2	136
171	Intra-ventricular resynchronization for optimal left ventricular function during pacing in experimental left bundle branch block. <i>Journal of the American College of Cardiology</i> , <b>2003</b> , 42, 558-67	15.1	118
170	Mapping propagation of mechanical activation in the paced heart with MRI tagging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1999</b> , 276, H881-91	5.2	116
169	Effects of single- and biventricular pacing on temporal and spatial dynamics of ventricular contraction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 282, H372-9	5.2	113
168	Refining success of cardiac resynchronization therapy using a simple score predicting the amount of reverse ventricular remodelling: results from the Markers and Response to CRT (MARC) study. <i>Europace</i> , <b>2018</b> , 20, e1-e10	3.9	108
167	Septal rebound stretch reflects the functional substrate to cardiac resynchronization therapy and predicts volumetric and neurohormonal response. <i>European Journal of Heart Failure</i> , <b>2009</b> , 11, 863-71	12.3	106
166	Cardiac resynchronization therapy cures dyssynchronopathy in canine left bundle-branch block hearts. <i>European Heart Journal</i> , <b>2007</b> , 28, 2148-55	9.5	104

165	Left ventricular endocardial pacing improves resynchronization therapy in canine left bundle-branch hearts. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2009</b> , 2, 580-7	6.4	95
164	Septal deformation patterns delineate mechanical dyssynchrony and regional differences in contractility: analysis of patient data using a computer model. <i>Circulation: Heart Failure</i> , <b>2012</b> , 5, 87-96	7.6	92
163	Differentiating Electromechanical From Non-Electrical Substrates of Mechanical Discoordination to Identify Responders to Cardiac Resynchronization Therapy. <i>Circulation: Cardiovascular Imaging</i> , <b>2015</b> , 8, e003744	3.9	86
162	Occurrence, fate and consequences of ventricular conduction abnormalities after transcatheter aortic valve implantation. <i>EuroIntervention</i> , <b>2014</b> , 9, 1142-50	3.1	86
161	Mechanical discoordination rather than dyssynchrony predicts reverse remodeling upon cardiac resynchronization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H640-6	5.2	82
160	Left ventricular septal and left ventricular apical pacing chronically maintain cardiac contractile coordination, pump function and efficiency. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2009</b> , 2, 571-9	6.4	78
159	Multipoint pacing by a left ventricular quadripolar lead improves the acute hemodynamic response to CRT compared with conventional biventricular pacing at any site. <i>Heart Rhythm</i> , <b>2015</b> , 12, 975-81	6.7	77
158	Cardiac resynchronization therapy: state-of-the-art of current applications, guidelines, ongoing trials, and areas of controversy. <i>Circulation</i> , <b>2013</b> , 128, 2407-18	16.7	77
157	Comparative electromechanical and hemodynamic effects of left ventricular and biventricular pacing in dyssynchronous heart failure: electrical resynchronization versus left-right ventricular interaction. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 62, 2395-2403	15.1	76
156	Endocardial left ventricular pacing improves cardiac resynchronization therapy in chronic asynchronous infarction and heart failure models. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2012</b> , 5, 191-200	6.4	75
155	Quantification of interventricular asynchrony during LBBB and ventricular pacing. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 283, H1370-8	5.2	72
154	Determination of the longest inpatient left ventricular electrical delay may predict acute hemodynamic improvement in patients after cardiac resynchronization therapy. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2014</b> , 7, 377-83	6.4	68
153	Beneficial effects of biventricular pacing in chronically right ventricular paced patients with mild cardiomyopathy. <i>Europace</i> , <b>2010</b> , 12, 223-9	3.9	65
152	Baseline left ventricular dP/dtmax rather than the acute improvement in dP/dtmax predicts clinical outcome in patients with cardiac resynchronization therapy. <i>European Journal of Heart Failure</i> , <b>2011</b> , 13, 1126-32	12.3	64
151	Ventricular remodeling during long-term right ventricular pacing following His bundle ablation. <i>American Journal of Cardiology</i> , <b>2006</b> , 97, 1223-7	3	63
150	Imaging asynchronous mechanical activation of the paced heart with tagged MRI. <i>Magnetic Resonance in Medicine</i> , <b>1998</b> , 39, 507-13	4.4	62
149	Practical and conceptual limitations of tissue Doppler imaging to predict reverse remodelling in cardiac resynchronisation therapy. <i>European Journal of Heart Failure</i> , <b>2008</b> , 10, 281-90	12.3	61
148	Myocardial infarction does not preclude electrical and hemodynamic benefits of cardiac resynchronization therapy in dyssynchronous canine hearts. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2010</b> , 3, 361-8	6.4	59

147	Feasibility and Acute Hemodynamic Effect of Left Ventricular Septal Pacing by Transvenous Approach Through the Interventricular Septum. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2016</b> , 9, e003344	6.4	58
146	InVivo Validation of Electrocardiographic Imaging. <i>JACC: Clinical Electrophysiology</i> , <b>2017</b> , 3, 232-242	4.6	57
145	Timing of depolarization and contraction in the paced canine left ventricle: model and experiment. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2003</b> , 14, S188-95	2.7	56
144	Optimization of left ventricular pacing site plus multipoint pacing improves remodeling and clinical response to cardiac resynchronization therapy at 1 year. <i>Heart Rhythm</i> , <b>2016</b> , 13, 1644-51	6.7	56
143	Mechanistic evaluation of echocardiographic dyssynchrony indices: patient data combined with multiscale computer simulations. <i>Circulation: Cardiovascular Imaging</i> , <b>2012</b> , 5, 491-9	3.9	53
142	Strategies to improve cardiac resynchronization therapy. <i>Nature Reviews Cardiology</i> , <b>2014</b> , 11, 481-93	14.8	51
141	Calculation of effective VV interval facilitates optimization of AV delay and VV interval in cardiac resynchronization therapy. <i>Heart Rhythm</i> , <b>2007</b> , 4, 75-82	6.7	51
140	Vectorcardiographic QRS area as a novel predictor of response to cardiac resynchronization therapy. <i>Journal of Electrocardiology</i> , <b>2015</b> , 48, 45-52	1.4	49
139	Ventricular pump function and pacing: physiological and clinical integration. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2008</b> , 1, 127-39	6.4	49
138	Relation between regional electrical activation time and subepicardial fiber strain in the canine left ventricle. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1993</b> , 423, 78-87	4.6	47
137	Patient-specific modelling of cardiac electrophysiology in heart-failure patients. <i>Europace</i> , <b>2014</b> , 16 Suppl 4, iv56-iv61	3.9	43
136	Transseptal conduction as an important determinant for cardiac resynchronization therapy, as revealed by extensive electrical mapping in the dyssynchronous canine heart. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2013</b> , 6, 682-9	6.4	43
135	Short-Term Hemodynamic and Electrophysiological Effects of Cardiac Resynchronization by Left Ventricular Septal Pacing. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 347-359	15.1	42
134	Left ventricular lead placement in the latest activated region guided by coronary venous electroanatomic mapping. <i>Europace</i> , <b>2015</b> , 17, 84-93	3.9	41
133	Fast Simulation of Mechanical Heterogeneity in the Electrically Asynchronous Heart Using the MultiPatch Module. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004284	5	41
132	Mechano-energetics of the asynchronous and resynchronized heart. <i>Heart Failure Reviews</i> , <b>2011</b> , 16, 215-24	5	41
131	Trends in the occurrence of new conduction abnormalities after transcatheter aortic valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , <b>2015</b> , 85, E144-52	2.7	40
130	Acute electrical and hemodynamic effects of multisite left ventricular pacing for cardiac resynchronization therapy in the dyssynchronous canine heart. <i>Heart Rhythm</i> , <b>2014</b> , 11, 119-25	6.7	40

129	Septal rebound stretch is a strong predictor of outcome after cardiac resynchronization therapy. <i>Journal of Cardiac Failure</i> , <b>2012</b> , 18, 404-12	3.3	39
128	Comparison of a non-invasive arterial pulse contour technique and echo Doppler aorta velocity-time integral on stroke volume changes in optimization of cardiac resynchronization therapy. <i>Europace</i> , <b>2011</b> , 13, 87-95	3.9	39
127	Tailoring cardiac resynchronization therapy using interventricular asynchrony. Validation of a simple model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 290, H968-77	5.2	39
126	Mechanoelectrical coupling enhances initiation and affects perpetuation of atrial fibrillation during acute atrial dilation. <i>Heart Rhythm</i> , <b>2011</b> , 8, 429-36	6.7	38
125	QRS Area Is a Strong Determinant of Outcome in Cardiac Resynchronization Therapy. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2018</b> , 11, e006497	6.4	37
124	Right ventricular free wall pacing improves cardiac pump function in severe pulmonary arterial hypertension: a computer simulation analysis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 297, H2196-205	5.2	35
123	Right Ventricular Imaging and Computer Simulation for Electromechanical Substrate Characterization in Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 2185-2197	15.1	33
122	Does cardiac resynchronization therapy benefit patients with right bundle branch block: cardiac resynchronization therapy has a role in patients with right bundle branch block. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2014</b> , 7, 532-42	6.4	33
121	Mechanistic insights into the benefits of multisite pacing in cardiac resynchronization therapy: The importance of electrical substrate and rate of left ventricular activation. <i>Heart Rhythm</i> , <b>2015</b> , 12, 2449-57	6.7	32
120	T-wave area predicts response to cardiac resynchronization therapy in patients with left bundle branch block. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2015</b> , 26, 176-83	2.7	31
119	Different regions of latest electrical activation during left bundle-branch block and right ventricular pacing in cardiac resynchronization therapy patients determined by coronary venous electro-anatomic mapping. <i>European Journal of Heart Failure</i> , <b>2014</b> , 16, 1214-22	12.3	31
118	Vectorcardiographic QRS area identifies delayed left ventricular lateral wall activation determined by electroanatomic mapping in candidates for cardiac resynchronization therapy. <i>Heart Rhythm</i> , <b>2016</b> , 13, 217-25	6.7	30
117	Cardiac resynchronisation therapy optimisation strategies: systematic classification, detailed analysis, minimum standards and a roadmap for development and testing. <i>International Journal of Cardiology</i> , <b>2013</b> , 170, 118-31	3.2	30
116	Electrical and mechanical ventricular activation during left bundle branch block and resynchronization. <i>Journal of Cardiovascular Translational Research</i> , <b>2012</b> , 5, 117-26	3.3	30
115	Stretch-induced hypertrophy of isolated adult rabbit cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 299, H780-7	5.2	30
114	The definition of left bundle branch block influences the response to cardiac resynchronization therapy. <i>International Journal of Cardiology</i> , <b>2018</b> , 269, 165-169	3.2	29
113	Pulmonary Right Ventricular Resynchronization in Congenital Heart Disease: Acute Improvement in Right Ventricular Mechanics and Contraction Efficiency. <i>Circulation: Cardiovascular Imaging</i> , <b>2017</b> , 10,	3.9	29
112	The effect of reduced intercellular coupling on electrocardiographic signs of left ventricular hypertrophy. <i>Journal of Electrocardiology</i> , <b>2011</b> , 44, 571-6	1.4	29

111	Interplay of electrical wavefronts as determinant of the response to cardiac resynchronization therapy in dyssynchronous canine hearts. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2013</b> , 6, 924-31	6.4	28
110	Surveillance of COVID-19 in the General Population Using an Online Questionnaire: Report From 18,161 Respondents in China. <i>JMIR Public Health and Surveillance</i> , <b>2020</b> , 6, e18576	11.4	28
109	Influence of left ventricular lead position relative to scar location on response to cardiac resynchronization therapy: a model study. <i>Europace</i> , <b>2014</b> , 16 Suppl 4, iv62-iv68	3.9	27
108	The value of the 12-lead ECG for evaluation and optimization of cardiac resynchronization therapy in daily clinical practice. <i>Journal of Electrocardiology</i> , <b>2014</b> , 47, 202-11	1.4	27
107	An in-silico analysis of the effect of heart position and orientation on the ECG morphology and vectorcardiogram parameters in patients with heart failure and intraventricular conduction defects. <i>Journal of Electrocardiology</i> , <b>2015</b> , 48, 617-25	1.4	26
106	Discrepancies between myocardial blood flow and fiber shortening in the ischemic border zone as assessed with video mapping of epicardial deformation. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1989</b> , 415, 220-9	4.6	26
105	Similarities and differences between electrocardiogram signs of left bundle-branch block and left-ventricular uncoupling. <i>Europace</i> , <b>2012</b> , 14 Suppl 5, v33-v39	3.9	25
104	Is echocardiographic assessment of dyssynchrony useful to select candidates for cardiac resynchronization therapy? Echocardiography is not useful before cardiac resynchronization therapy if QRS duration is available. <i>Circulation: Cardiovascular Imaging</i> , <b>2008</b> , 1, 70-7; discussion 78	3.9	25
103	Cardiac resynchronization therapy: refocus on the electrical substrate. <i>Circulation Journal</i> , <b>2011</b> , 75, 1297-304	3.0	22
102	The "missing" link between acute hemodynamic effect and clinical response. <i>Journal of Cardiovascular Translational Research</i> , <b>2012</b> , 5, 188-95	3.3	21
101	Modeling cardiac electromechanics and mechanoelectrical coupling in dyssynchronous and failing hearts: insight from adaptive computer models. <i>Journal of Cardiovascular Translational Research</i> , <b>2012</b> , 5, 159-69	3.3	21
100	Repolarization changes in patients with heart failure receiving cardiac resynchronization therapy-signs of cardiac memory. <i>Journal of Electrocardiology</i> , <b>2011</b> , 44, 590-8	1.4	21
99	In vivo electromechanical assessment of heart failure patients with prolonged QRS duration. <i>Heart Rhythm</i> , <b>2015</b> , 12, 1259-67	6.7	20
98	Evaluation of a Rapid Anisotropic Model for ECG Simulation. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 265	4.6	20
97	Relative Impact of Right Ventricular Electromechanical Dyssynchrony Versus Pulmonary Regurgitation on Right Ventricular Dysfunction and Exercise Intolerance in Patients After Repair of Tetralogy of Fallot. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e010903	6	20
96	Pathobiology of cardiac dyssynchrony and resynchronization therapy. <i>Europace</i> , <b>2018</b> , 20, 1898-1909	3.9	18
95	Electrical Substrates Driving Response to Cardiac Resynchronization Therapy: A Combined Clinical-Computational Evaluation. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2018</b> , 11, e005647	6.4	17
94	Vectorcardiography as a tool for easy optimization of cardiac resynchronization therapy in canine left bundle branch block hearts. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2012</b> , 5, 544-52	6.4	17

93	Vectorcardiography for optimization of stimulation intervals in cardiac resynchronization therapy. <i>Journal of Cardiovascular Translational Research</i> , <b>2015</b> , 8, 128-37	3.3	16
92	Septal flash and septal rebound stretch have different underlying mechanisms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H394-403	5.2	16
91	Why QRS Duration Should Be Replaced by Better Measures of Electrical Activation to Improve Patient Selection for Cardiac Resynchronization Therapy. <i>Journal of Cardiovascular Translational Research</i> , <b>2016</b> , 9, 257-65	3.3	16
90	Stretch-induced upregulation of connective tissue growth factor in rabbit cardiomyocytes. <i>Journal of Cardiovascular Translational Research</i> , <b>2013</b> , 6, 861-9	3.3	15
89	Mechano-electrical coupling as framework for understanding functional remodeling during LBBB and CRT. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 306, H1644-59	5.2	15
88	A Possible Role for Pacing the Left Ventricular Septum in Cardiac Resynchronization Therapy. <i>JACC: Clinical Electrophysiology</i> , <b>2016</b> , 2, 413-422	4.6	15
87	The synthesized vectorcardiogram resembles the measured vectorcardiogram in patients with dyssynchronous heart failure. <i>Journal of Electrocardiology</i> , <b>2015</b> , 48, 586-92	1.4	14
86	Pressure-Volume Loop Analysis of Multipoint Pacing With a Quadripolar Left Ventricular Lead in Cardiac Resynchronization Therapy. <i>JACC: Clinical Electrophysiology</i> , <b>2018</b> , 4, 881-889	4.6	14
85	Clinical pacing post-conditioning during revascularization after AMI. <i>JACC: Cardiovascular Imaging</i> , <b>2014</b> , 7, 620-6	8.4	14
84	Determinants of biventricular cardiac function: a mathematical model study on geometry and myofiber orientation. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2017</b> , 16, 721-729	3.8	14
83	Reconstruction of three-dimensional biventricular activation based on the 12-lead electrocardiogram via patient-specific modelling. <i>Europace</i> , <b>2021</b> , 23, 640-647	3.9	14
82	Atrioventricular dromotopathy: evidence for a distinctive entity in heart failure with prolonged PR interval?. <i>Europace</i> , <b>2018</b> , 20, 1067-1077	3.9	13
81	Response to cardiac resynchronization therapy is determined by intrinsic electrical substrate rather than by its modification. <i>International Journal of Cardiology</i> , <b>2018</b> , 270, 143-148	3.2	13
80	Echocardiographic Prediction of Cardiac Resynchronization Therapy Response Requires Analysis of Both Mechanical Dyssynchrony and Right Ventricular Function: A Combined Analysis of Patient Data and Computer Simulations. <i>Journal of the American Society of Echocardiography</i> , <b>2017</b> , 30, 1012-1020.e2	5.8	13
79	Mapping the sequence of contraction of the canine left ventricle. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1991</b> , 419, 529-33	4.6	13
78	Local microRNA-133a downregulation is associated with hypertrophy in the dyssynchronous heart. <i>ESC Heart Failure</i> , <b>2017</b> , 4, 241-251	3.7	12
77	Sequential His bundle and left ventricular pacing for cardiac resynchronization. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2020</b> , 31, 2448-2454	2.7	12
76	Relationship between vectorcardiographic QRS, myocardial scar quantification, and response to cardiac resynchronization therapy. <i>Journal of Electrocardiology</i> , <b>2018</b> , 51, 457-463	1.4	11

75	Combining computer modelling and cardiac imaging to understand right ventricular pump function. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 1486-1498	9.9	11
74	Enhancing Response in the Cardiac Resynchronization Therapy Patient: The BBIPerspective-Bench, Bits, and Bedside. <i>JACC: Clinical Electrophysiology</i> , <b>2017</b> , 3, 1203-1219	4.6	11
73	Left bundle branch pacing compared to left ventricular septal myocardial pacing increases interventricular dyssynchrony but accelerates left ventricular lateral wall depolarization. <i>Heart Rhythm</i> , <b>2021</b> , 18, 1281-1289	6.7	11
72	Toward Sex-Specific Guidelines for Cardiac Resynchronization Therapy?. <i>Journal of Cardiovascular Translational Research</i> , <b>2016</b> , 9, 12-22	3.3	10
71	T-wave area as biomarker of clinical response to cardiac resynchronization therapy. <i>Europace</i> , <b>2016</b> , 18, 1077-85	3.9	9
70	The Left and Right Ventricles Respond Differently to Variation of Pacing Delays in Cardiac Resynchronization Therapy: A Combined Experimental- Computational Approach. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 17	4.6	9
69	Can We Use the Intrinsic Left Ventricular Delay (QLV) to Optimize the Pacing Configuration for Cardiac Resynchronization Therapy With a Quadripolar Left Ventricular Lead?. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2018</b> , 11, e005912	6.4	9
68	Opportunities and challenges of current electrophysiology research: a plea to establish translational electrophysiology curricula. <i>Europace</i> , <b>2015</b> , 17, 825-33	3.9	9
67	Strategies to Improve Selection of Patients Without Typical Left Bundle Branch Block for Cardiac Resynchronization Therapy. <i>JACC: Clinical Electrophysiology</i> , <b>2020</b> , 6, 129-142	4.6	8
66	Novel ultra-high-frequency electrocardiogram tool for the description of the ventricular depolarization pattern before and during cardiac resynchronization. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2020</b> , 31, 300-307	2.7	8
65	Left univentricular pacing for cardiac resynchronization therapy. <i>Europace</i> , <b>2017</b> , 19, 912-919	3.9	8
64	Comparing Ventricular Synchrony in Left Bundle Branch and Left Ventricular Septal Pacing in Pacemaker Patients. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	8
63	Comparison of septal strain patterns in dyssynchronous heart failure between speckle tracking echocardiography vendor systems. <i>Journal of Electrocardiology</i> , <b>2015</b> , 48, 609-16	1.4	7
62	Association between heart failure aetiology and magnitude of echocardiographic remodelling and outcome of cardiac resynchronization therapy. <i>ESC Heart Failure</i> , <b>2020</b> , 7, 645-653	3.7	7
61	Improved acute haemodynamic response to cardiac resynchronization therapy using multipoint pacing cannot solely be explained by better resynchronization. <i>Journal of Electrocardiology</i> , <b>2018</b> , 51, S61-S66	1.4	7
60	Regional Left Ventricular Electrical Activation and Peak Contraction Are Closely Related in Candidates for Cardiac Resynchronization Therapy. <i>JACC: Clinical Electrophysiology</i> , <b>2017</b> , 3, 854-862	4.6	7
59	Validation of myocardial perfusion quantification by dynamic CT in an ex-vivo porcine heart model. <i>International Journal of Cardiovascular Imaging</i> , <b>2017</b> , 33, 1821-1830	2.5	7
58	Hyperoxia and local organ blood flow in the developing chick embryo. <i>Journal of Physiology</i> , <b>1999</b> , 515 ( Pt 1), 243-8	3.9	7



57	Evaluating Electrocardiography-Based Identification of Cardiac Resynchronization Therapy Responders Beyond Current Left Bundle Branch Block Definitions. <i>JACC: Clinical Electrophysiology</i> , <b>2020</b> , 6, 193-203	4.6	7
56	Dynamic atrioventricular delay programming improves ventricular electrical synchronization as evaluated by 3D vectorcardiography. <i>Journal of Electrocardiology</i> , <b>2020</b> , 58, 1-6	1.4	7
55	Integration of cardiac magnetic resonance imaging, electrocardiographic imaging, and coronary venous computed tomography angiography for guidance of left ventricular lead positioning. <i>Europace</i> , <b>2019</b> , 21, 626-635	3.9	7
54	Mechano-electrical feedback explains T-wave morphology and optimizes cardiac pump function: insight from a multi-scale model. <i>Progress in Biophysics and Molecular Biology</i> , <b>2012</b> , 110, 359-71	4.7	6
53	Development of strategies for guiding cardiac resynchronization therapy. <i>Heart Failure Clinics</i> , <b>2008</b> , 4, 333-45	3.3	6
52	Evaluation of the use of unipolar voltage amplitudes for detection of myocardial scar assessed by cardiac magnetic resonance imaging in heart failure patients. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180637	3.7	6
51	Evaluating multisite pacing strategies in cardiac resynchronization therapy in the preclinical setting. <i>Heart Rhythm O2</i> , <b>2020</b> , 1, 111-119	1.5	6
50	Novel bradycardia pacing strategies. <i>Heart</i> , <b>2020</b> , 106, 1883-1889	5.1	6
49	Electrical remodelling in patients with iatrogenic left bundle branch block. <i>Europace</i> , <b>2016</b> , 18, iv44-iv52	3.9	6
48	The value of septal rebound stretch analysis for the prediction of volumetric response to cardiac resynchronization therapy. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2021</b> , 22, 37-45	4.1	6
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