

Christopher A Rinaldi, Fhrs

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4277366/christopher-a-rinaldi-fhrs-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

200
papers

2,547
citations

26
h-index

40
g-index

222
ext. papers

3,406
ext. citations

4.1
avg, IF

4.93
L-index

#	Paper	IF	Citations
200	Effect of scar and pacing location on repolarization in a porcine myocardial infarction model.. <i>Heart Rhythm O2</i> , 2022 , 3, 186-195	1.5	
199	Reply to Usefulness of Multisite Ventricular Pacing in Nonresponders to Cardiac Resynchronization Therapy.. <i>American Journal of Cardiology</i> , 2022 ,	3	
198	Dispersion of repolarization increases with cardiac resynchronization therapy and is associated with left ventricular reverse remodeling.. <i>Journal of Electrocardiology</i> , 2022 , 72, 120-127	1.4	0
197	A multimodal deep learning model for cardiac resynchronisation therapy response prediction.. <i>Medical Image Analysis</i> , 2022 , 79, 102465	15.4	0
196	First-Phase Ejection Fraction Predicts Response to Cardiac Resynchronization Therapy and Adverse Outcomes. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 2275-2285	8.4	2
195	Impact of anatomical reverse remodelling in the design of optimal quadripolar pacing leads: A computational study. <i>Computers in Biology and Medicine</i> , 2021 , 140, 105073	7	1
194	Determining anatomical and electrophysiological detail requirements for computational ventricular models of porcine myocardial infarction.. <i>Computers in Biology and Medicine</i> , 2021 , 141, 105061	7	2
193	Endocardial left ventricular pacing. <i>Herz</i> , 2021 , 46, 526-532	2.6	1
192	An in-silico assessment of efficacy of two novel intra-cardiac electrode configurations versus traditional anti-tachycardia pacing therapy for terminating sustained ventricular tachycardia. <i>Computers in Biology and Medicine</i> , 2021 , 139, 104987	7	0
191	Assessing long-term survival and hospitalization following transvenous lead extraction in patients with cardiac resynchronization therapy devices: A propensity score-matched analysis.. <i>Heart Rhythm O2</i> , 2021 , 2, 597-606	1.5	
190	Hyperparameter optimisation and validation of registration algorithms for measuring regional ventricular deformation using retrospective gated computed tomography images. <i>Scientific Reports</i> , 2021 , 11, 5718	4.9	2
189	The effect of centre volume and procedure location on major complications and mortality from transvenous lead extraction: an ESC EHRA EORP European Lead Extraction CONTRolled ELECTRA Registry subanalysis-AuthorS reply. <i>Europace</i> , 2021 , 23, 1149-1150	3.9	0
188	Leadless Left Ventricular Endocardial Pacing and Left Bundle Branch Area Pacing for Cardiac Resynchronisation Therapy. <i>Arrhythmia and Electrophysiology Review</i> , 2021 , 10, 45-50	3.2	0
187	Emerging evidence for a mechanistic link between low-frequency oscillation of ventricular repolarization measured from the electrocardiogram T-wave vector and arrhythmia. <i>Europace</i> , 2021 , 23, 1350-1358	3.9	
186	Clinical effectiveness of a dedicated cardiac resynchronization therapy pre-assessment clinic incorporating cardiac magnetic resonance imaging and cardiopulmonary exercise testing on patient selection and outcomes. <i>IJC Heart and Vasculature</i> , 2021 , 34, 100800	2.4	0
185	Automated Left Ventricle Ischemic Scar Detection in CT Using Deep Neural Networks. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 655252	5.4	3
184	Late-Gadolinium Enhancement Interface Area and Electrophysiological Simulations Predict Arrhythmic Events in Patients With Nonischemic Dilated Cardiomyopathy. <i>JACC: Clinical Electrophysiology</i> , 2021 , 7, 238-249	4.6	3

183	Building Models of Patient-Specific Anatomy and Scar Morphology from Clinical MRI Data 2021 , 453-461		
182	Leadless left ventricular endocardial pacing for CRT upgrades in previously failed and high-risk patients in comparison with coronary sinus CRT upgrades. <i>Europace</i> , 2021 , 23, 1577-1585	3.9	3
181	Risk stratification of patients undergoing transvenous lead extraction with the ELECTRa Registry Outcome Score (EROS): an ESC EHRA EORP European lead extraction ConTRolled ELECTRa registry analysis. <i>Europace</i> , 2021 , 23, 1462-1471	3.9	4
180	Feasibility of intraprocedural integration of cardiac CT to guide left ventricular lead implantation for CRT upgrades. <i>Journal of Cardiovascular Electrophysiology</i> , 2021 , 32, 802-812	2.7	4
179	Noninvasive electrocardiographic assessment of ventricular activation and remodeling response to cardiac resynchronization therapy. <i>Heart Rhythm O2</i> , 2021 , 2, 12-18	1.5	3
178	Long-Term Impact of Body Mass Index on Survival of Patients Undergoing Cardiac Resynchronization Therapy: A Multi-Centre Study. <i>American Journal of Cardiology</i> , 2021 , 153, 79-85	3	
177	Multipoint pacing for cardiac resynchronisation therapy in patients with heart failure: A systematic review and meta-analysis. <i>Journal of Cardiovascular Electrophysiology</i> , 2021 , 32, 2577-2589	2.7	3
176	Completely epicardial implantable cardioverter/defibrillator (ICD) and CRT-D systems: A case series and systematic literature review. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021 , 44, 1616-1630	1.6	2
175	The physiological effects of cardiac resynchronization therapy on aortic and pulmonary flow and dynamic and static components of systemic impedance. <i>Heart Rhythm O2</i> , 2021 , 2, 365-373	1.5	
174	Non-traditional implantable cardioverter-defibrillator configurations and insertion techniques: a review of contemporary options. <i>Europace</i> , 2021 ,	3.9	1
173	The importance of leadless pacemaker positioning in relation to subcutaneous implantable cardioverter-defibrillator sensing in completely leadless cardiac resynchronization and defibrillation systems. <i>HeartRhythm Case Reports</i> , 2021 , 7, 628-632	1	0
172	Long-term survival following transvenous lead extraction: Importance of indication and comorbidities. <i>Heart Rhythm</i> , 2021 , 18, 1566-1576	6.7	1
171	Time-Averaged Wavefront Analysis Demonstrates Preferential Pathways of Atrial Fibrillation, Predicting Pulmonary Vein Isolation Acute Response. <i>Frontiers in Physiology</i> , 2021 , 12, 707189	4.6	0
170	Technical feasibility of leadless left bundle branch area pacing for cardiac resynchronization: a case series. <i>European Heart Journal - Case Reports</i> , 2021 , 5, ytab379	0.9	2
169	Non-invasive simulated electrical and measured mechanical indices predict response to cardiac resynchronization therapy. <i>Computers in Biology and Medicine</i> , 2021 , 138, 104872	7	0
168	Atrial fibrillation in cardiac resynchronization therapy.. <i>Heart Rhythm O2</i> , 2021 , 2, 784-795	1.5	1
167	Combined computed tomographic perfusion and mechanics with predicted activation pattern can successfully guide implantation of a wireless endocardial pacing system. <i>Europace</i> , 2020 , 22, 298	3.9	9
166	Leadless left ventricular endocardial pacing in nonresponders to conventional cardiac resynchronization therapy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020 , 43, 966-973	1.6	7

165	Completely Leadless Cardiac Resynchronization Defibrillator System. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 588-589	4.6	14
164	High mean entropy calculated from cardiac MRI texture analysis is associated with antitachycardia pacing failure. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020 , 43, 737-745	1.6	2
163	Real-world experience of leadless left ventricular endocardial cardiac resynchronization therapy: A multicenter international registry of the WiSE-CRT pacing system. <i>Heart Rhythm</i> , 2020 , 17, 1291-1297	6.7	25
162	His-bundle and left bundle pacing with optimized atrioventricular delay achieve superior electrical synchrony over endocardial and epicardial pacing in left bundle branch block patients. <i>Heart Rhythm</i> , 2020 , 17, 1922-1929	6.7	18
161	Tracking the motion of intracardiac structures aids the development of future leadless pacing systems. <i>Journal of Cardiovascular Electrophysiology</i> , 2020 , 31, 2431-2439	2.7	2
160	A publicly available virtual cohort of four-chamber heart meshes for cardiac electro-mechanics simulations. <i>PLoS ONE</i> , 2020 , 15, e0235145	3.7	24
159	Pacemaker syndrome due to atrial lead fracture. <i>Clinical Case Reports (discontinued)</i> , 2020 , 8, 226-227	0.7	
158	Simulating ventricular systolic motion in a four-chamber heart model with spatially varying robin boundary conditions to model the effect of the pericardium. <i>Journal of Biomechanics</i> , 2020 , 101, 109645	2.9	25
157	Interpretable Deep Models for Cardiac Resynchronisation Therapy Response Prediction. <i>Lecture Notes in Computer Science</i> , 2020 , 2020, 284-293	0.9	8
156	European Heart Rhythm Association (EHRA) international consensus document on how to prevent, diagnose, and treat cardiac implantable electronic device infections-endorsed by the Heart Rhythm Society (HRS), the Asia Pacific Heart Rhythm Society (APHRS), the Latin American Heart Rhythm Society (LAHRS), International Society for Cardiovascular Infectious Diseases (ISCVID) and the	3	22
155	Evaluation of the reentry vulnerability index to predict ventricular tachycardia circuits using with high-density contact mapping. <i>Heart Rhythm</i> , 2020 , 17, 576-583	6.7	12
154	Evidence of reverse electrical remodelling by non-invasive electrocardiographic imaging to assess acute and chronic changes in bulk ventricular activation following cardiac resynchronisation therapy. <i>Journal of Electrocardiology</i> , 2020 , 58, 96-102	1.4	2
153	Safety of magnetic resonance imaging scanning in patients with cardiac resynchronization therapy-defibrillators incorporating quadripolar left ventricular leads. <i>Heart Rhythm</i> , 2020 , 17, 2064-2071	6.7	1
152	In-silico pace-mapping using a detailed whole torso model and implanted electronic device electrograms for more efficient ablation planning. <i>Computers in Biology and Medicine</i> , 2020 , 125, 104005	7	2
151	Electrocardiographic imaging for cardiac arrhythmias and resynchronization therapy. <i>Europace</i> , 2020 ,	3.9	7
150	Economic evaluation of a dedicated cardiac resynchronisation therapy preassessment clinic. <i>Open Heart</i> , 2020 , 7,	3	2
149	Financial and resource costs of transvenous lead extraction in a high-volume lead extraction centre. <i>Heart</i> , 2020 , 106, 931-937	5.1	2
148	The effect of centre volume and procedure location on major complications and mortality from transvenous lead extraction: an ESC EHRA EORP European Lead Extraction CoNTrolled ELECTRa registry subanalysis. <i>Europace</i> , 2020 , 22, 1718-1728	3.9	6

147	Scar shape analysis and simulated electrical instabilities in a non-ischemic dilated cardiomyopathy patient cohort. <i>PLoS Computational Biology</i> , 2019 , 15, e1007421	5	5
146	Out-of-hospital cardiac arrest due to idiopathic ventricular fibrillation in patients with normal electrocardiograms: results from a multicentre long-term registry. <i>Europace</i> , 2019 , 21, 1670-1677	3.9	13
145	Sex-Dependent QRS Guidelines for Cardiac Resynchronization Therapy Using Computer Model Predictions. <i>Biophysical Journal</i> , 2019 , 117, 2375-2381	2.9	6
144	How to deliver personalized cardiac resynchronization therapy through the precise measurement of the acute hemodynamic response: Insights from the iSpot trial. <i>Journal of Cardiovascular Electrophysiology</i> , 2019 , 30, 1610-1619	2.7	0
143	Optimization of CRT programming using non-invasive electrocardiographic imaging to assess the acute electrical effects of multipoint pacing. <i>Journal of Arrhythmia</i> , 2019 , 35, 267-275	1.5	7
142	Design and rationale for the Stimulation Of the Left Ventricular Endocardium for Cardiac Resynchronization Therapy in non-responders and previously untreatable patients (SOLVE-CRT) trial. <i>American Heart Journal</i> , 2019 , 217, 13-22	4.9	16
141	The use of a single chamber leadless pacemaker for the treatment of cardioinhibitory vasovagal syncope. <i>IJC Heart and Vasculature</i> , 2019 , 23, 100349	2.4	10
140	Chronic ventricular lead perforation: Expect the unexpected. <i>Clinical Case Reports (discontinued)</i> , 2019 , 7, 465-468	0.7	1
139	Characterizing the clinical implementation of a novel activation-repolarization metric to identify targets for catheter ablation of ventricular tachycardias using computational models. <i>Computers in Biology and Medicine</i> , 2019 , 108, 263-275	7	7
138	Cardiac resynchronization therapy non-responder to responder conversion rate in the more response to cardiac resynchronization therapy with MultiPoint Pacing (MORE-CRT MPP) study: results from Phase I. <i>European Heart Journal</i> , 2019 , 40, 2979-2987	9.5	50
137	Mean entropy predicts implantable cardioverter-defibrillator therapy using cardiac magnetic resonance texture analysis of scar heterogeneity. <i>Heart Rhythm</i> , 2019 , 16, 1242-1250	6.7	13
136	Pacing in proximity to scar during cardiac resynchronization therapy increases local dispersion of repolarization and susceptibility to ventricular arrhythmogenesis. <i>Heart Rhythm</i> , 2019 , 16, 1475-1483	6.7	23
135	Impact of anticoagulation therapy on outcomes in patients with cardiac implantable resynchronization devices undergoing transvenous lead extraction: A substudy of the ESC-EHRA EORP ELECTRa (European Lead Extraction ConTRolled) Registry. <i>Journal of Cardiovascular Electrophysiology</i> , 2019 , 30, 1086-1095	2.7	1
134	Clinical impact of antithrombotic therapy in transvenous lead extraction complications: a sub-analysis from the ESC-EORP EHRA ELECTRa (European Lead Extraction ConTRolled) Registry. <i>Europace</i> , 2019 , 21, 1096-1105	3.9	4
133	Comparison of Echocardiographic and Electrocardiographic Mapping for Cardiac Resynchronisation Therapy Optimisation. <i>Cardiology Research and Practice</i> , 2019 , 2019, 4351693	1.9	2
132	Left ventricular activation-recovery interval variability predicts spontaneous ventricular tachyarrhythmia in patients with heart failure. <i>Heart Rhythm</i> , 2019 , 16, 702-709	6.7	7
131	Complex Interaction Between Low-Frequency APD Oscillations and Beat-to-Beat APD Variability in Humans Is Governed by the Sympathetic Nervous System. <i>Frontiers in Physiology</i> , 2019 , 10, 1582	4.6	5
130	Transfer Learning From Simulations on a Reference Anatomy for ECGI in Personalized Cardiac Resynchronization Therapy. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 343-353	5	23

129	Emerging role of cardiac computed tomography in heart failure. <i>ESC Heart Failure</i> , 2019 , 6, 909-920	3.7	11
128	Generation of a cohort of whole-torso cardiac models for assessing the utility of a novel computed shock vector efficiency metric for ICD optimisation. <i>Computers in Biology and Medicine</i> , 2019 , 112, 103368	7	9
127	A rule-based method for predicting the electrical activation of the heart with cardiac resynchronization therapy from non-invasive clinical data. <i>Medical Image Analysis</i> , 2019 , 57, 197-213	15.4	19
126	Comparison of outcomes in infected cardiovascular implantable electronic devices between complete, partial, and failed lead removal: an ESC-EHRA-EORP ELECTRa (European Lead Extraction ConTrolled) registry. <i>Europace</i> , 2019 , 21, 1876-1889	3.9	2
125	Successful percutaneous femoral extraction of a detached tricuspid valve-in-valve balloon delivery system. <i>Clinical Case Reports (discontinued)</i> , 2019 , 7, 1577-1581	0.7	
124	Transvenous lead extraction procedures in women based on ESC-EHRA EORP European Lead Extraction ConTrolled ELECTRa registry: is female sex a predictor of complications?. <i>Europace</i> , 2019 , 21, 1890-1899	3.9	1
123	Prolonged lead dwell time and lead burden predict bailout transfemoral lead extraction. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019 , 42, 1355-1364	1.6	9
122	Pulse Arrival Time and Pulse Interval as Accurate Markers to Detect Mechanical Alternans. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 1291-1299	4.7	3
121	Understanding non-response to cardiac resynchronisation therapy: common problems and potential solutions. <i>Heart Failure Reviews</i> , 2019 , 24, 41-54	5	26
120	Predictors of mortality and outcomes in transvenous lead extraction for systemic and local infection cohorts. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019 , 42, 73-84	1.6	11
119	Transvenous lead extraction in patients with cardiac resynchronization therapy devices is not associated with increased 30-day mortality. <i>Europace</i> , 2019 , 21, 928-936	3.9	6
118	Procedural outcomes associated with transvenous lead extraction in patients with abandoned leads: an ESC-EHRA ELECTRa (European Lead Extraction ConTrolled) Registry Sub-Analysis. <i>Europace</i> , 2019 , 21, 645-654	3.9	20
117	Rationale and design of a randomized clinical trial to assess the safety and efficacy of multipoint pacing therapy: MOre REsponse on Cardiac Resynchronization Therapy with MultiPoint Pacing (MORE-CRT MPP-PHASE II). <i>American Heart Journal</i> , 2019 , 209, 1-8	4.9	14
116	Conceptual Intra-Cardiac Electrode Configurations That Facilitate Directional Cardiac Stimulation for Optimal Electrotherapy. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 1259-1268	5	3
115	Chronic Right Ventricular Pacing in the Heart Failure Population. <i>Current Heart Failure Reports</i> , 2018 , 15, 61-69	2.8	9
114	Electrical latency predicts the optimal left ventricular endocardial pacing site: results from a multicentre international registry. <i>Europace</i> , 2018 , 20, 1989-1996	3.9	5
113	Relationship between vectorcardiographic QRS, myocardial scar quantification, and response to cardiac resynchronization therapy. <i>Journal of Electrocardiology</i> , 2018 , 51, 457-463	1.4	11
112	The Emerging Role of Cardiac Magnetic Resonance Imaging in the Evaluation of Patients with HFpEF. <i>Current Heart Failure Reports</i> , 2018 , 15, 1-9	2.8	25

111	Predictors and outcomes of patients requiring repeat transvenous lead extraction of pacemaker and defibrillator leads. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018 , 41, 155-160	1.6	5
110	The role of transvenous lead extraction in the management of redundant or malfunctioning pacemaker and defibrillator leads post ELECTRa. <i>Europace</i> , 2018 , 20, 1733-1740	3.9	12
109	To the Editor- The cost of cardiac resynchronization therapy generator replacement?. <i>Heart Rhythm</i> , 2018 , 15, e35-e36	6.7	1
108	The interaction of QRS duration with cardiac magnetic resonance derived scar and mechanical dyssynchrony in systolic heart failure: Implications for cardiac resynchronization therapy. <i>IJC Heart and Vasculature</i> , 2018 , 18, 81-85	2.4	1
107	Computational Modeling for Cardiac Resynchronization Therapy. <i>Journal of Cardiovascular Translational Research</i> , 2018 , 11, 92-108	3.3	27
106	Guidance for Optimal Site Selection of a Leadless Left Ventricular Endocardial Electrode Improves Acute Hemodynamic Response and Chronic Remodeling. <i>JACC: Clinical Electrophysiology</i> , 2018 , 4, 860-868	4.6	14
105	LV function validation of computer-assisted interventional system for cardiac resynchronisation therapy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018 , 13, 777-786	3.9	
104	A cost effectiveness study establishing the impact and accuracy of implementing the NICE guidelines lowering plasma NTproBNP threshold in patients with clinically suspected heart failure at our institution. <i>International Journal of Cardiology</i> , 2018 , 257, 131-136	3.2	0
103	An Asymmetric Wall-Thickening Pattern Predicts Response to Cardiac Resynchronization Therapy. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1545-1546	8.4	9
102	Local activation time sampling density for atrial tachycardia contact mapping: how much is enough?. <i>Europace</i> , 2018 , 20, e11-e20	3.9	7
101	Myocardial strain computed at multiple spatial scales from tagged magnetic resonance imaging: Estimating cardiac biomarkers for CRT patients. <i>Medical Image Analysis</i> , 2018 , 43, 169-185	15.4	5
100	Cost-effectiveness of a risk-stratified approach to cardiac resynchronisation therapy defibrillators (high versus low) at the time of generator change. <i>Heart</i> , 2018 , 104, 416-422	5.1	4
99	Optimal site selection and image fusion guidance technology to facilitate cardiac resynchronization therapy. <i>Expert Review of Medical Devices</i> , 2018 , 15, 555-570	3.5	7
98	Beat-to-Beat Variability of Ventricular Action Potential Duration Oscillates at Low Frequency During Sympathetic Provocation in Humans. <i>Frontiers in Physiology</i> , 2018 , 9, 147	4.6	13
97	Modeling the Electrophysiological Properties of the Infarct Border Zone. <i>Frontiers in Physiology</i> , 2018 , 9, 356	4.6	39
96	Complications associated with cardiac resynchronization therapy upgrades versus de novo implantations. <i>Expert Review of Cardiovascular Therapy</i> , 2018 , 16, 607-615	2.5	6
95	Changes in contractility determine coronary haemodynamics in dyssynchronous left ventricular heart failure, not vice versa. <i>IJC Heart and Vasculature</i> , 2018 , 19, 8-13	2.4	3
94	Variation in activation time during bipolar vs extended bipolar left ventricular pacing. <i>Journal of Cardiovascular Electrophysiology</i> , 2018 , 29, 1675-1681	2.7	

93	Comparison of the Diagnostic Accuracy of Plasma N-Terminal Pro-Brain Natriuretic Peptide in Patients 80 Years of Age with Heart Failure. <i>American Journal of Cardiology</i> , 2018 , 122, 2075-2079	3	3
92	Is heart failure with mid range ejection fraction (HFmrEF) a distinct clinical entity or an overlap group?. <i>IJC Heart and Vasculature</i> , 2018 , 21, 1-6	2.4	9
91	Left ventricular scar and the acute hemodynamic effects of multivein and multipolar pacing in cardiac resynchronization. <i>IJC Heart and Vasculature</i> , 2018 , 19, 14-19	2.4	4
90	Non-invasive electrophysiological assessment of the optimal configuration of quadripolar lead vectors on ventricular activation times. <i>Journal of Electrocardiology</i> , 2018 , 51, 714-719	1.4	6
89	Unraveling the Underlying Arrhythmia Mechanism in Persistent Atrial Fibrillation: Results From the STARLIGHT Study. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018 , 11, e005897	6.4	23
88	3D/2D model-to-image registration by imitation learning for cardiac procedures. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018 , 13, 1141-1149	3.9	22
87	Cost-Effectiveness Analysis of Quadripolar Versus Bipolar Left Ventricular Leads for Cardiac Resynchronization Defibrillator Therapy in a Large, Multicenter UK Registry. <i>JACC: Clinical Electrophysiology</i> , 2017 , 3, 107-116	4.6	19
86	A framework for combining a motion atlas with non-motion information to learn clinically useful biomarkers: Application to cardiac resynchronisation therapy response prediction. <i>Medical Image Analysis</i> , 2017 , 35, 669-684	15.4	30
85	Usefulness of Cardiac Magnetic Resonance Imaging to Measure Left Ventricular Wall Thickness for Determining Risk Scores for Sudden Cardiac Death in Patients With Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2017 , 119, 1450-1455	3	11
84	Image Integration to Guide Wireless Endocardial LV Electrode Implantation for CRT. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1526-1528	8.4	3
83	Substrate-dependent risk stratification for implantable cardioverter defibrillator therapies using cardiac magnetic resonance imaging: The importance of T1 mapping in nonischemic patients. <i>Journal of Cardiovascular Electrophysiology</i> , 2017 , 28, 785-795	2.7	12
82	Comprehensive use of cardiac computed tomography to guide left ventricular lead placement in cardiac resynchronization therapy. <i>Heart Rhythm</i> , 2017 , 14, 1364-1372	6.7	30
81	Real-Time X-MRI-Guided Left Ventricular Lead Implantation for Targeted Delivery of Cardiac Resynchronization Therapy. <i>JACC: Clinical Electrophysiology</i> , 2017 , 3, 803-814	4.6	22
80	Intra-Atrial Conduction Delay Revealed by Multisite Incremental Atrial Pacing is an Independent Marker of Remodeling in Human Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2017 , 3, 1006-1017	4.6	14
79	The European Lead Extraction ConTrolled (ELECTRa) study: a European Heart Rhythm Association (EHRA) Registry of Transvenous Lead Extraction Outcomes. <i>European Heart Journal</i> , 2017 , 38, 2995-3005	9.5	190
78	Biophysical Modeling to Determine the Optimization of Left Ventricular Pacing Site and AV/VV Delays in the Acute and Chronic Phase of Cardiac Resynchronization Therapy. <i>Journal of Cardiovascular Electrophysiology</i> , 2017 , 28, 208-215	2.7	18
77	Biventricular Paced QRS Area Predicts Acute Hemodynamic CRT Response Better Than QRS Duration or QRS Amplitudes. <i>Journal of Cardiovascular Electrophysiology</i> , 2017 , 28, 192-200	2.7	15
76	Guided left ventricular lead placement for cardiac resynchronization therapy: an opportunity for image integration. <i>European Journal of Heart Failure</i> , 2017 , 19, 435	12.3	3

75	Use of a cerebral protection device for the laser extraction of a pacemaker lead traversing a patent foramen ovale. <i>HeartRhythm Case Reports</i> , 2017 , 3, 447-449	1	2
74	Transseptal Delivery of a Leadless Left Ventricular Endocardial Pacing Electrode. <i>JACC: Clinical Electrophysiology</i> , 2017 , 3, 1333-1335	4.6	10
73	A comparison of the different features of quadripolar left ventricular pacing leads to deliver cardiac resynchronization therapy. <i>Expert Review of Medical Devices</i> , 2017 , 14, 697-706	3.5	4
72	Updates in Cardiac Resynchronization Therapy for Chronic Heart Failure: Review of Multisite Pacing. <i>Current Heart Failure Reports</i> , 2017 , 14, 376-383	2.8	11
71	3D/2D Registration with superabundant vessel reconstruction for cardiac resynchronization therapy. <i>Medical Image Analysis</i> , 2017 , 42, 160-172	15.4	11
70	The effect of activation rate on left atrial bipolar voltage in patients with paroxysmal atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2017 , 28, 1028-1036	2.7	14
69	A Planning and Guidance Platform for Cardiac Resynchronization Therapy. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2366-2375	11.7	8
68	The role of multi modality imaging in selecting patients and guiding lead placement for the delivery of cardiac resynchronization therapy. <i>Expert Review of Cardiovascular Therapy</i> , 2017 , 15, 93-107	2.5	9
67	ECG imaging of ventricular tachycardia: evaluation against simultaneous non-contact mapping and CMR-derived grey zone. <i>Medical and Biological Engineering and Computing</i> , 2017 , 55, 979-990	3.1	6
66	Autonomic Modulation in Patients with Heart Failure Increases Beat-to-Beat Variability of Ventricular Action Potential Duration. <i>Frontiers in Physiology</i> , 2017 , 8, 328	4.6	14
65	Registration with Adjacent Anatomical Structures for Cardiac Resynchronization Therapy Guidance. <i>Lecture Notes in Computer Science</i> , 2017 , 127-134	0.9	1
64	Cardiac computational modeling of ventricular tachycardia and cardiac resynchronization therapy: a clinical perspective. <i>Minerva Cardiology and Angiology</i> , 2017 , 65, 380-397	2.4	2
63	Diagnosis and management of iatrogenic cardiac perforation caused by pacemaker and defibrillator leads. <i>Europace</i> , 2017 , 19, 1031-1037	3.9	26
62	Additional electrodes on the Quartet [™] LV lead provide more programmable pacing options than bipolar and tripolar equivalents. <i>Europace</i> , 2017 , 19, 588-595	3.9	8
61	Optimized Left Ventricular Endocardial Stimulation [™] Superior to Optimized Epicardial [™] Stimulation in Ischemic Patients With [™] Poor Response to Cardiac Resynchronization [™] Therapy: A [™] Combined Magnetic Resonance Imaging, Electroanatomic [™] Contact Mapping, and Hemodynamic Study to [™] Target Endocardial Lead Placement. <i>JACC: Clinical Electrophysiology</i> , 2016 , 2, 799-809	4.6	32
60	Analysis of lead placement optimization metrics in cardiac resynchronization therapy with computational modelling. <i>Europace</i> , 2016 , 18, iv113-iv120	3.9	2
59	The relative role of patient physiology and device optimisation in cardiac resynchronisation therapy: A computational modelling study. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 96, 93-100 ^{5.8}	5.8	27
58	Contribution of PET Imaging to the Diagnosis of Septic Embolism in Patients With Pacing Lead Endocarditis. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 283-90	8.4	41

57	Investigating a Novel Activation-Repolarisation Time Metric to Predict Localised Vulnerability to Reentry Using Computational Modelling. <i>PLoS ONE</i> , 2016 , 11, e0149342	3.7	15
56	Biophysical Modeling Predicts Ventricular Tachycardia Inducibility and Circuit Morphology: A Combined Clinical Validation and Computer Modeling Approach. <i>Journal of Cardiovascular Electrophysiology</i> , 2016 , 27, 851-60	2.7	22
55	Dynamic mapping of ventricular function from cardiovascular magnetic resonance imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 4137-4140	0.9	2
54	Multisite Pacing for Cardiac Resynchronization Therapy: Promise and Pitfalls. <i>Current Cardiology Reports</i> , 2016 , 18, 64	4.2	5
53	Improvement of Right Ventricular Hemodynamics with Left Ventricular Endocardial Pacing during Cardiac Resynchronization Therapy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2016 , 39, 531-41	1.6	7
52	Beneficial Effect on Cardiac Resynchronization From Left Ventricular Endocardial Pacing Is Mediated by Early Access to High Conduction Velocity Tissue: Electrophysiological Simulation Study. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015 , 8, 1164-72	6.4	36
51	Narrow QRS systolic heart failure: is there a target for cardiac resynchronization?. <i>Expert Review of Cardiovascular Therapy</i> , 2015 , 13, 783-97	2.5	3
50	An activation-repolarization time metric to predict localized regions of high susceptibility to reentry. <i>Heart Rhythm</i> , 2015 , 12, 1644-53	6.7	21
49	Limitations of chronic delivery of multi-vein left ventricular stimulation for cardiac resynchronization therapy. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2015 , 42, 135-42	2.4	16
48	Current concepts relating coronary flow, myocardial perfusion and metabolism in left bundle branch block and cardiac resynchronisation therapy. <i>International Journal of Cardiology</i> , 2015 , 181, 65-72 ^{3,2}		10
47	The impact of beat-to-beat variability in optimising the acute hemodynamic response in cardiac resynchronisation therapy. <i>Clinical Trials and Regulatory Science in Cardiology</i> , 2015 , 12, 18-22		1
46	Effect of autonomic blocking agents on the respiratory-related oscillations of ventricular action potential duration in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H2108-17	5.2	9
45	Effects of Epicardial and Endocardial Cardiac Resynchronization Therapy on Coronary Flow: Insights From Wave Intensity Analysis. <i>Journal of the American Heart Association</i> , 2015 , 4,	6	8
44	A review of multisite pacing to achieve cardiac resynchronization therapy. <i>Europace</i> , 2015 , 17, 7-17	3.9	58
43	Comparison of delayed transvenous reimplantation and immediate surgical epicardial approach in pacing-dependent patients undergoing extraction of infected permanent pacemakers. <i>Heart Rhythm</i> , 2015 , 12, 1209-15	6.7	22
42	Cardiac Resynchronization Therapy Delivered Via a Multipolar Left Ventricular Lead is Associated with Reduced Mortality and Elimination of Phrenic Nerve Stimulation: Long-Term Follow-Up from a Multicenter Registry. <i>Journal of Cardiovascular Electrophysiology</i> , 2015 , 26, 540-6	2.7	74
41	A prospective evaluation of cardiovascular magnetic resonance measures of dyssynchrony in the prediction of response to cardiac resynchronization therapy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 58	6.9	38
40	Combined identification of septal flash and absence of myocardial scar by cardiac magnetic resonance imaging improves prediction of response to cardiac resynchronization therapy. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2014 , 40, 179-90	2.4	19

39	A U-shaped type II contraction pattern in patients with strict left bundle branch block predicts super-response to cardiac resynchronization therapy. <i>Heart Rhythm</i> , 2014 , 11, 1790-7	6.7	29
38	Effect of mental challenge induced by movie clips on action potential duration in normal human subjects independent of heart rate. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014 , 7, 518-23	6.4	18
37	Oscillatory behavior of ventricular action potential duration in heart failure patients at respiratory rate and low frequency. <i>Frontiers in Physiology</i> , 2014 , 5, 414	4.6	33
36	Laser lead extraction to facilitate cardiac implantable electronic device upgrade and revision in the presence of central venous obstruction. <i>Europace</i> , 2014 , 16, 81-7	3.9	37
35	New developments in the delivery of cardiac resynchronization therapy: targeted lead placement, multi-site and endocardial pacing. <i>Expert Review of Medical Devices</i> , 2014 , 11, 295-304	3.5	4
34	Positive response to cardiac resynchronization therapy reduces arrhythmic events after elective generator change in patients with primary prevention CRT-D. <i>Journal of Cardiovascular Electrophysiology</i> , 2014 , 25, 1368-75	2.7	23
33	Noninvasive assessment of LV contraction patterns using CMR to identify responders to CRT. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 864-73	8.4	28
32	ELECTRa (European Lead Extraction ConTRolled) Registry--shedding light on transvenous lead extraction real-world practice in Europe. <i>Herzschrittmachertherapie Und Elektrophysiologie</i> , 2013 , 24, 171-5	0.8	18
31	Cardiac magnetic resonance-derived anatomy, scar, and dyssynchrony fused with fluoroscopy to guide LV lead placement in cardiac resynchronization therapy: a comparison with acute haemodynamic measures and echocardiographic reverse remodelling. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 692-9	4.1	50
30	Pacemaker lead extraction complicated by a free floating infected mass in the right atrium with embolization to the lung. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 442	4.1	
29	The current practice and perception of cardiac implantable electronic device transvenous lead extraction in the UK. <i>Europace</i> , 2013 , 15, 865-70	3.9	12
28	Laser extraction of a defibrillator lead from a persistent left superior vena cava. <i>Europace</i> , 2013 , 15, 1174-9	3.9	3
27	Multimodality imaging of right ventricular perforation secondary to pacing lead migration. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 330	4.1	1
26	A rare complication from transeptal puncture-persistent aorto-right atrial shunt and puncture of noncoronary cusp of aortic valve. <i>Heart Rhythm</i> , 2012 , 9, 2089-90	6.7	7
25	Percutaneous closure and "push-pull" technique to repair arterial lead and sheath placement complicating cardiac resynchronization therapy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2012 , 35, e35-7	1.6	0
24	Intramural collection caused by contrast extravasation into the ascending aortic wall. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2012 , 15, 1090-2	1.8	2
23	An integrated platform for image-guided cardiac resynchronization therapy. <i>Physics in Medicine and Biology</i> , 2012 , 57, 2953-68	3.8	17
22	First prospective, multi-centre clinical experience with a novel left ventricular quadripolar lead. <i>Europace</i> , 2012 , 14, 365-72	3.9	69

21	Phrenic nerve stimulation with the quadripolar left ventricular lead not overcome by electronic repositioning. <i>Europace</i> , 2012 , 14, 608-9	3.9	5
20	A modified subcutaneous implantable cardioverter-defibrillator implant in a patient with a previous left ventricular epicardial defibrillation patch. <i>Europace</i> , 2012 , 14, 149-50	3.9	2
19	Analyses of the redistribution of work following cardiac resynchronisation therapy in a patient specific model. <i>PLoS ONE</i> , 2012 , 7, e43504	3.7	18
18	Cardiac Unfold: A Novel Technique for Image-Guided Cardiac Catheterization Procedures. <i>Lecture Notes in Computer Science</i> , 2012 , 104-114	0.9	5
17	Successful catheter ablation of focal ventricular fibrillation in a patient with nonischemic dilated cardiomyopathy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2011 , 34, e38-42	1.6	4
16	Initial single-center experience of a quadripolar pacing lead for cardiac resynchronization therapy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2011 , 34, 484-9	1.6	40
15	Cardiac MRI to investigate myocardial scar and coronary venous anatomy using a slow infusion of dimeglumine gadobenate in patients undergoing assessment for cardiac resynchronization therapy. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 87-95	5.6	28
14	Length-dependent tension in the failing heart and the efficacy of cardiac resynchronization therapy. <i>Cardiovascular Research</i> , 2011 , 89, 336-43	9.9	114
13	Massive thrombi on an implantable cardioverter-defibrillator lead in a patient with the antiphospholipid syndrome. <i>Europace</i> , 2011 , 13, 1205-6	3.9	2
12	Percutaneous balloon venoplasty of pacemaker-associated superior vena cava obstruction to facilitate upgrade to a biventricular pacing system. <i>Europace</i> , 2011 , 13, 1798-800	3.9	1
11	Pacemaker and defibrillator lead extraction: predictors of mortality during follow-up. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010 , 33, 209-16	1.6	53
10	Successful transseptal puncture for radiofrequency ablation of left atrial tachycardia after closure of secundum atrial septal defect with Amplatzer septal occluder. <i>Cardiology in the Young</i> , 2010 , 20, 226-8	1.6	7
9	A shocking lead in the coronary sinus. <i>Europace</i> , 2009 , 11, 833-4	3.9	3
8	Treatment of inappropriate sinus tachycardia with ivabradine in a patient with postural orthostatic tachycardia syndrome and a dual chamber pacemaker. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009 , 32, 131-3	1.6	33
7	"Cold can for a hot case": use of a coronary sinus shocking lead in association with cold can to achieve successful defibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009 , 32, 561-2	1.6	
6	Extraction of chronic pacemaker and defibrillator leads from the coronary sinus: laser infrequently used but required. <i>Europace</i> , 2009 , 11, 213-5	3.9	37
5	A case of diaphragmatic pacing with cardiac resynchronization therapy. <i>Europace</i> , 2008 , 10, 1229-31	3.9	2
4	A biventricular ICD system with biventricular defibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2006 , 29, 334-6	1.6	4

- 3 Treatment of left-sided prosthetic valve thrombosis: thrombolysis or surgery?. *Journal of Heart Valve Disease*, **2002**, 11, 839-43 7
- 2 Tachycardia-induced cardiomyopathy caused by atrial flutter responding to DC cardioversion. *British Journal of Hospital Medicine*, **1999**, 60, 305-6 4
- 1 Randomized, double-blind crossover study to investigate the effects of amlodipine and isosorbide mononitrate on the time course and severity of exercise-induced myocardial stunning. *Circulation*, **1998**, 98, 749-56 16.7 30