Christopher A Rinaldi, Fhrs

List of Publications by Year
in descending order

220	4,106	117453	182168
papers	citations	34	51
		h-index	g-index

222	222	222	3461
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The European Lead Extraction ConTRolled (ELECTRa) study: a European Heart Rhythm Association (EHRA) Registry of Transvenous Lead Extraction Outcomes. European Heart Journal, 2017, 38, 2995-3005.	1.0	339
2	Length-dependent tension in the failing heart and the efficacy of cardiac resynchronization therapy. Cardiovascular Research, 2011, 89, 336-343.	1.8	133
3	European Heart Rhythm Association (EHRA) international consensus document on how to prevent, diagnose, and treat cardiac implantable electronic device infectionsâ€"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 European Society of Clinical Microbiology and Infectious Diseases (ESCMID) in collaboration with the European...	0.6	111
4	Cardiac Resynchronization Therapy Delivered Via a Multipolar Left Ventricular Lead is Associated with Reduced Mortality and Elimination of Phrenic Nerve Stimulation: Longâ€Term Followâ€Up from a Multicenter Registry. Journal of Cardiovascular Electrophysiology, 2015, 26, 540-546.	0.8	93
5	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. European Heart Journal, 2019, 40, 2979-2987.	1.0	82
6	First prospective, multi-centre clinical experience with a novel left ventricular quadripolar lead. Europace, 2012, 14, 365-372.	0.7	79
7	A review of multisite pacing to achieve cardiac resynchronization therapy. Europace, 2015, 17, 7-17.	0.7	75
8	Modeling the Electrophysiological Properties of the Infarct Border Zone. Frontiers in Physiology, 2018, 9, 356.	1.3	72
9	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. European Heart Journal Cardiovascular Imaging, 2013, 14, 692-699.	0.5	63
10	Contribution of PET Imaging to the Diagnosis of Septic Embolism in Patients With Pacing Lead Endocarditis. JACC: Cardiovascular Imaging, 2016, 9, 283-290.	2.3	60
11	Understanding non-response to cardiac resynchronisation therapy: common problems and potential solutions. Heart Failure Reviews, 2019, 24, 41-54.	1.7	59
12	A publicly available virtual cohort of four-chamber heart meshes for cardiac electro-mechanics simulations. PLoS ONE, 2020, 15, e0235145.	1.1	59
13	Pacemaker and Defibrillator Lead Extraction: Predictors of Mortality during Follow-Up. PACE - Pacing and Clinical Electrophysiology, 2010, 33, 209-216.	0.5	57
14	Real-world experience of leadless left ventricular endocardial cardiac resynchronization therapy: A multicenter international registry of the WiSE-CRT pacing system. Heart Rhythm, 2020, 17, 1291-1297.	0.3	55
15	Simulating ventricular systolic motion in a four-chamber heart model with spatially varying robin boundary conditions to model the effect of the pericardium. Journal of Biomechanics, 2020, 101, 109645.	0.9	54
16	Optimized Left Ventricular Endocardial StimulationÂIs Superior to Optimized EpicardialÂStimulation in Ischemic Patients WithÂPoor Response to Cardiac ResynchronizationÂTherapy. JACC: Clinical Electrophysiology, 2016, 2, 799-809.	1.3	48
17	Comprehensive use of cardiac computed tomography to guide left ventricular lead placement in cardiac resynchronization therapy. Heart Rhythm, 2017, 14, 1364-1372.	0.3	48
18	Computational Modeling for Cardiac Resynchronization Therapy. Journal of Cardiovascular Translational Research, 2018, 11, 92-108.	1.1	48

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19	Beneficial Effect on Cardiac Resynchronization From Left Ventricular Endocardial Pacing Is Mediated by Early Access to High Conduction Velocity Tissue. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1164-1172.	2.1	47
20	Laser lead extraction to facilitate cardiac implantable electronic device upgrade and revision in the presence of central venous obstruction. Europace, 2014, 16, 81-87.	0.7	46
21	Extraction of chronic pacemaker and defibrillator leads from the coronary sinus: laser infrequently used but required. Europace, 2008, 11, 213-215.	0.7	44
22	Initial Single‐Center Experience of a Quadripolar Pacing Lead for Cardiac Resynchronization Therapy. PACE - Pacing and Clinical Electrophysiology, 2011, 34, 484-489.	0.5	44
23	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. Heart Rhythm, 2020, 17, 1922-1929.	0.3	44
24	Oscillatory behavior of ventricular action potential duration in heart failure patients at respiratory rate and low frequency. Frontiers in Physiology, 2014, 5, 414.	1.3	42
25	Pacing in proximity to scar during cardiac resynchronization therapy increases local dispersion of repolarization and susceptibility to ventricular arrhythmogenesis. Heart Rhythm, 2019, 16, 1475-1483.	0.3	42
26	Noninvasive Assessment of LV Contraction Patterns Using CMR to Identify Responders to CRT. JACC: Cardiovascular Imaging, 2013, 6, 864-873.	2.3	41
27	A prospective evaluation of cardiovascular magnetic resonance measures of dyssynchrony in the prediction of response to cardiac resynchronization therapy. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 58.	1.6	41
28	An activation-repolarization time metric to predict localized regions of high susceptibility to reentry. Heart Rhythm, 2015, 12, 1644-1653.	0.3	40
29	Procedural outcomes associated with transvenous lead extraction in patients with abandoned leads: an ESC-EHRA ELECTRa (European Lead Extraction ConTRolled) Registry Sub-Analysis. Europace, 2019, 21, 645-654.	0.7	39
30	The relative role of patient physiology and device optimisation in cardiac resynchronisation therapy: A computational modelling study. Journal of Molecular and Cellular Cardiology, 2016, 96, 93-100.	0.9	38
31	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. Europace, 2021, 23, 1462-1471.	0.7	38
32	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, 749-756.	1.6	37
33	Treatment of Inappropriate Sinus Tachycardia with Ivabradine in a Patient with Postural Orthostatic Tachycardia Syndrome and a Dual Chamber Pacemaker. PACE - Pacing and Clinical Electrophysiology, 2009, 32, 131-133.	0.5	37
34	Diagnosis and management of iatrogenic cardiac perforation caused by pacemaker and defibrillator leads. Europace, 2017, 19, euw074.	0.7	37
35	Real-Time X-MRI-Guided Left Ventricular Lead Implantation for Targeted Delivery of Cardiac Resynchronization Therapy. JACC: Clinical Electrophysiology, 2017, 3, 803-814.	1.3	37
36	The Emerging Role of Cardiac Magnetic Resonance Imaging in the Evaluation of Patients with HFpEF. Current Heart Failure Reports, 2018, 15, 1-9.	1.3	36

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37	A rule-based method for predicting the electrical activation of the heart with cardiac resynchronization therapy from non-invasive clinical data. Medical Image Analysis, 2019, 57, 197-213.	7.0	36
38	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. Journal of Magnetic Resonance Imaging, 2011, 33, 87-95.	1.9	35
39	A U-shaped type II contraction pattern in patients with strict left bundle branch block predicts super-response to cardiac resynchronization therapy. Heart Rhythm, 2014, 11, 1790-1797.	0.3	35
40	A framework for combining a motion atlas with non-motion information to learn clinically useful biomarkers: Application to cardiac resynchronisation therapy response prediction. Medical Image Analysis, 2017, 35, 669-684.	7.0	35
41	Unraveling the Underlying Arrhythmia Mechanism in Persistent Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005897.	2.1	35
42	3D/2D model-to-image registration by imitation learning for cardiac procedures. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1141-1149.	1.7	34
43	Out-of-hospital cardiac arrest due to idiopathic ventricular fibrillation in patients with normal electrocardiograms: results from a multicentre long-term registry. Europace, 2019, 21, 1670-1677.	0.7	34
44	Biophysical Modeling Predicts Ventricular Tachycardia Inducibility and Circuit Morphology: A Combined Clinical Validation and Computer Modeling Approach. Journal of Cardiovascular Electrophysiology, 2016, 27, 851-860.	0.8	31
45	Investigating a Novel Activation-Repolarisation Time Metric to Predict Localised Vulnerability to Reentry Using Computational Modelling. PLoS ONE, 2016, 11, e0149342.	1.1	30
46	Comparison of delayed transvenous reimplantation and immediate surgical epicardial approach in pacing-dependent patients undergoing extraction of infected permanent pacemakers. Heart Rhythm, 2015, 12, 1209-1215.	0.3	29
47	Transfer Learning From Simulations on a Reference Anatomy for ECGI in Personalized Cardiac Resynchronization Therapy. IEEE Transactions on Biomedical Engineering, 2019, 66, 343-353.	2.5	29
48	Cost-Effectiveness Analysis of Quadripolar Versus Bipolar Left Ventricular Leads for Cardiac Resynchronization Defibrillator Therapy in a Large, Multicenter UK Registry. JACC: Clinical Electrophysiology, 2017, 3, 107-116.	1.3	28
49	Relationship between vectorcardiographic QRSarea, myocardial scar quantification, and response to cardiac resynchronization therapy. Journal of Electrocardiology, 2018, 51, 457-463.	0.4	28
50	Positive Response to Cardiac Resynchronization Therapy Reduces Arrhythmic Events After Elective Generator Change in Patients with Primary Prevention CRT-D. Journal of Cardiovascular Electrophysiology, 2014, 25, 1368-1375.	0.8	26
51	Combined identification of septal flash and absence of myocardial scar by cardiac magnetic resonance imaging improves prediction of response to cardiac resynchronization therapy. Journal of Interventional Cardiac Electrophysiology, 2014, 40, 179-190.	0.6	25
52	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. Journal of Cardiovascular Electrophysiology, 2017, 28, 208-215.	0.8	25
53	Evaluation of the reentry vulnerability index to predict ventricular tachycardia circuits using high-density contact mapping. Heart Rhythm, 2020, 17, 576-583.	0.3	25
54	Effect of Mental Challenge Induced by Movie Clips on Action Potential Duration in Normal Human Subjects Independent of Heart Rate. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 518-523.	2.1	24

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55	Mean entropy predicts implantable cardioverter-defibrillator therapy using cardiac magnetic resonance texture analysis of scar heterogeneity. Heart Rhythm, 2019, 16, 1242-1250.	0.3	24
56	ELECTRa (European Lead Extraction ConTRolled) Registryâ€"Shedding light on transvenous lead extraction real-world practice in Europe. Herzschrittmachertherapie Und Elektrophysiologie, 2013, 24, 171-175.	0.3	23
57	Emerging role of cardiac computed tomography in heart failure. ESC Heart Failure, 2019, 6, 909-920.	1.4	23
58	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. American Heart Journal, 2019, 217, 13-22.	1.2	23
59	Beat-to-Beat Variability of Ventricular Action Potential Duration Oscillates at Low Frequency During Sympathetic Provocation in Humans. Frontiers in Physiology, 2018, 9, 147.	1.3	22
60	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. Europace, 2020, 22, 1718-1728.	0.7	22
61	Biventricular Paced QRS Area Predicts Acute Hemodynamic CRT Response Better Than QRS Duration or QRS Amplitudes. Journal of Cardiovascular Electrophysiology, 2017, 28, 192-200.	0.8	21
62	Completely Leadless Cardiac Resynchronization Defibrillator System. JACC: Clinical Electrophysiology, 2020, 6, 588-589.	1.3	21
63	Predictors of mortality and outcomes in transvenous lead extraction for systemic and local infection cohorts. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 73-84.	0.5	20
64	Electrocardiographic imaging for cardiac arrhythmias and resynchronization therapy. Europace, 2020, 22, 1447-1462.	0.7	20
65	Analyses of the Redistribution of Work following Cardiac Resynchronisation Therapy in a Patient Specific Model. PLoS ONE, 2012, 7, e43504.	1.1	20
66	Intra-Atrial Conduction Delay Revealed by Multisite Incremental Atrial Pacing is an Independent Marker of Remodeling in Human Atrial Fibrillation. JACC: Clinical Electrophysiology, 2017, 3, 1006-1017.	1.3	19
67	Transseptal Delivery of a Leadless Left Ventricular Endocardial Pacing Electrode. JACC: Clinical Electrophysiology, 2017, 3, 1333-1335.	1.3	19
68	The effect of activation rate on left atrial bipolar voltage in patients with paroxysmal atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2017, 28, 1028-1036.	0.8	19
69	Autonomic Modulation in Patients with Heart Failure Increases Beat-to-Beat Variability of Ventricular Action Potential Duration. Frontiers in Physiology, 2017, 8, 328.	1.3	19
70	Guidance for Optimal Site Selection of a Leadless Left Ventricular Endocardial Electrode Improves Acute Hemodynamic Response and Chronic Remodeling. JACC: Clinical Electrophysiology, 2018, 4, 860-868.	1.3	19
71	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 MPPâ€"PHASE II). American Heart Journal, 2019, 209, 1-8.	1.2	19
72	Long-term survival following transvenous lead extraction: Importance of indication and comorbidities. Heart Rhythm, 2021, 18, 1566-1576.	0.3	19

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73	An integrated platform for image-guided cardiac resynchronization therapy. Physics in Medicine and Biology, 2012, 57, 2953-2968.	1.6	18
74	Limitations of chronic delivery of multi-vein left ventricular stimulation for cardiac resynchronization therapy. Journal of Interventional Cardiac Electrophysiology, 2015, 42, 135-142.	0.6	18
75	Is heart failure with mid range ejection fraction (HFmrEF) a distinct clinical entity or an overlap group?. IJC Heart and Vasculature, 2018, 21, 1-6.	0.6	18
76	The current practice and perception of cardiac implantable electronic device transvenous lead extraction in the UK. Europace, 2013, 15, 865-870.	0.7	17
77	Substrate€dependent risk stratification for implantable cardioverter defibrillator therapies using cardiac magnetic resonance imaging: The importance of T1 mapping in nonischemic patients. Journal of Cardiovascular Electrophysiology, 2017, 28, 785-795.	0.8	17
78	Leadless left ventricular endocardial pacing in nonresponders to conventional cardiac resynchronization therapy. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 966-973.	0.5	17
79	Chronic Right Ventricular Pacing in the Heart Failure Population. Current Heart Failure Reports, 2018, 15, 61-69.	1.3	16
80	The role of transvenous lead extraction in the management of redundant or malfunctioning pacemaker and defibrillator leads post ELECTRa. Europace, 2018, 20, 1733-1740.	0.7	16
81	An Asymmetric Wall-Thickening Pattern Predicts Response to Cardiac Resynchronization Therapy. JACC: Cardiovascular Imaging, 2018, 11, 1545-1546.	2.3	16
82	Updates in Cardiac Resynchronization Therapy for Chronic Heart Failure: Review of Multisite Pacing. Current Heart Failure Reports, 2017, 14, 376-383.	1.3	15
83	Current concepts relating coronary flow, myocardial perfusion and metabolism in left bundle branch block and cardiac resynchronisation therapy. International Journal of Cardiology, 2015, 181, 65-72.	0.8	14
84	Usefulness of Cardiac Magnetic Resonance Imaging to Measure Left Ventricular Wall Thickness for Determining Risk Scores for Sudden Cardiac Death in Patients With HypertrophicÂCardiomyopathy. American Journal of Cardiology, 2017, 119, 1450-1455.	0.7	14
85	Sex-Dependent QRS Guidelines for Cardiac Resynchronization Therapy Using Computer Model Predictions. Biophysical Journal, 2019, 117, 2375-2381.	0.2	14
86	The use of a single chamber leadless pacemaker for the treatment of cardioinhibitory vasovagal syncope. IJC Heart and Vasculature, 2019, 23, 100349.	0.6	14
87	Feasibility of intraprocedural integration of cardiac CT to guide left ventricular lead implantation for CRT upgrades. Journal of Cardiovascular Electrophysiology, 2021, 32, 802-812.	0.8	14
88	Interpretable Deep Models for Cardiac Resynchronisation Therapy Response Prediction. Lecture Notes in Computer Science, 2020, 2020, 284-293.	1.0	14
89	The role of multi modality imaging in selecting patients and guiding lead placement for the delivery of cardiac resynchronization therapy. Expert Review of Cardiovascular Therapy, 2017, 15, 93-107.	0.6	13
90	Local activation time sampling density for atrial tachycardia contact mapping: how much is enough?. Europace, 2018, 20, e11-e20.	0.7	13

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91	Optimal site selection and image fusion guidance technology to facilitate cardiac resynchronization therapy. Expert Review of Medical Devices, 2018, 15, 555-570.	1.4	13
92	Generation of a cohort of whole-torso cardiac models for assessing the utility of a novel computed shock vector efficiency metric for ICD optimisation. Computers in Biology and Medicine, 2019, 112, 103368.	3.9	13
93	Prolonged lead dwell time and lead burden predict bailout transfemoral lead extraction. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 1355-1364.	0.5	13
94	Combined computed tomographic perfusion and mechanics with predicted activation pattern can successfully guide implantation of a wireless endocardial pacing system. Europace, 2020, 22, 298.	0.7	13
95	Late-Gadolinium Enhancement Interface Area and Electrophysiological Simulations Predict Arrhythmic Events in Patients With Nonischemic Dilated Cardiomyopathy. JACC: Clinical Electrophysiology, 2021, 7, 238-249.	1.3	13
96	Leadless left ventricular endocardial pacing for CRT upgrades in previously failed and high-risk patients in comparison with coronary sinus CRT upgrades. Europace, 2021, 23, 1577-1585.	0.7	13
97	Leadless left ventricular endocardial pacing for cardiac resynchronization therapy: A systematic review and meta-analysis. Heart Rhythm, 2022, 19, 1176-1183.	0.3	13
98	3D/2D Registration with superabundant vessel reconstruction for cardiac resynchronization therapy. Medical Image Analysis, 2017, 42, 160-172.	7.0	12
99	Automated Left Ventricle Ischemic Scar Detection in CT Using Deep Neural Networks. Frontiers in Cardiovascular Medicine, 2021, 8, 655252.	1.1	12
100	Improvement of Right Ventricular Hemodynamics with Left Ventricular Endocardial Pacing during Cardiac Resynchronization Therapy. PACE - Pacing and Clinical Electrophysiology, 2016, 39, 531-541.	0.5	11
101	A Planning and Guidance Platform for Cardiac Resynchronization Therapy. IEEE Transactions on Medical Imaging, 2017, 36, 2366-2375.	5.4	11
102	Optimization of CRT programming using non‑invasive electrocardiographic imaging to assess the acute electrical effects of multipoint pacing. Journal of Arrhythmia, 2019, 35, 267-275.	0.5	11
103	Left ventricular activation-recovery interval variability predicts spontaneous ventricular tachyarrhythmia in patients with heart failure. Heart Rhythm, 2019, 16, 702-709.	0.3	11
104	Successful transseptal puncture for radiofrequency ablation of left atrial tachycardia after closure of secundum atrial septal defect with Amplatzer septal occluder. Cardiology in the Young, 2010, 20, 226-228.	0.4	10
105	Effect of autonomic blocking agents on the respiratory-related oscillations of ventricular action potential duration in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H2108-H2117.	1.5	10
106	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. Europace, 2019, 21, 1876-1889.	0.7	10
107	Scar shape analysis and simulated electrical instabilities in a non-ischemic dilated cardiomyopathy patient cohort. PLoS Computational Biology, 2019, 15, e1007421.	1.5	10
108	Transvenous lead extraction in patients with cardiac resynchronization therapy devices is not associated with increased 30-day mortality. Europace, 2019, 21, 928-936.	0.7	10

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109	In-silico pace-mapping using a detailed whole torso model and implanted electronic device electrograms for more efficient ablation planning. Computers in Biology and Medicine, 2020, 125, 104005.	3.9	10
110	Multipoint pacing for cardiac resynchronisation therapy in patients with heart failure: A systematic review and metaâ€analysis. Journal of Cardiovascular Electrophysiology, 2021, 32, 2577-2589.	0.8	10
111	Non-traditional implantable cardioverter-defibrillator configurations and insertion techniques: a review of contemporary options. Europace, 2022, 24, 181-192.	0.7	10
112	Technical feasibility of leadless left bundle branch area pacing for cardiac resynchronisation: a case series. European Heart Journal - Case Reports, 2021, 5, ytab379.	0.3	10
113	Effects of Epicardial and Endocardial Cardiac Resynchronization Therapy on Coronary Flow: Insights From Wave Intensity Analysis. Journal of the American Heart Association, 2015, 4, .	1.6	9
114	Characterizing the clinical implementation of a novel activation-repolarization metric to identify targets for catheter ablation of ventricular tachycardias using computational models. Computers in Biology and Medicine, 2019, 108, 263-275.	3.9	9
115	Lead fixation mechanism impacts outcome of transvenous lead extraction: data from the European Lead Extraction ConTRolled Registry. Europace, 2022, 24, 817-827.	0.7	9
116	Determining anatomical and electrophysiological detail requirements for computational ventricular models of porcine myocardial infarction. Computers in Biology and Medicine, 2022, 141, 105061.	3.9	9
117	Left ventricular shape predicts arrhythmic risk in fibrotic dilated cardiomyopathy. Europace, 2022, 24, 1137-1147.	0.7	9
118	A rare complication from transseptal puncture-persistent aorto-right atrial shunt and puncture of noncoronary cusp of aortic valve. Heart Rhythm, 2012, 9, 2089-2090.	0.3	8
119	Additional electrodes on the Quartetâ„¢ LV lead provide more programmable pacing options than bipolar and tripolar equivalents. Europace, 2017, 19, euw039.	0.7	8
120	Multisite Pacing for Cardiac Resynchronization Therapy: Promise and Pitfalls. Current Cardiology Reports, 2016, 18, 64.	1.3	8
121	Clinical impact of antithrombotic therapy in transvenous lead extraction complications: a sub-analysis from the ESC-EORP EHRA ELECTRa (European Lead Extraction ConTRolled) Registry. Europace, 2019, 21, 1096-1105.	0.7	8
122	Treatment of left-sided prosthetic valve thrombosis: thrombolysis or surgery?. Journal of Heart Valve Disease, 2002, 11, 839-43.	0.5	8
123	A multimodal deep learning model for cardiac resynchronisation therapy response prediction. Medical Image Analysis, 2022, 79, 102465.	7.0	8
124	New developments in the delivery of cardiac resynchronization therapy: targeted lead placement, multi-site and endocardial pacing. Expert Review of Medical Devices, 2014, 11, 295-304.	1.4	7
125	Analysis of lead placement optimization metrics in cardiac resynchronization therapy with computational modelling. Europace, 2016, 18, iv113-iv120.	0.7	7
126	ECG imaging of ventricular tachycardia: evaluation against simultaneous non-contact mapping and CMR-derived grey zone. Medical and Biological Engineering and Computing, 2017, 55, 979-990.	1.6	7

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127	Myocardial strain computed at multiple spatial scales from tagged magnetic resonance imaging: Estimating cardiac biomarkers for CRT patients. Medical Image Analysis, 2018, 43, 169-185.	7.0	7
128	Non-invasive electrophysiological assessment of the optimal configuration of quadripolar lead vectors on ventricular activation times. Journal of Electrocardiology, 2018, 51, 714-719.	0.4	7
129	How to deliver personalized cardiac resynchronization therapy through the precise measurement of the acute hemodynamic response: Insights from the iSpot trial. Journal of Cardiovascular Electrophysiology, 2019, 30, 1610-1619.	0.8	7
130	Comparison of Echocardiographic and Electrocardiographic Mapping for Cardiac Resynchronisation Therapy Optimisation. Cardiology Research and Practice, 2019, 2019, 1-9.	0.5	7
131	Complex Interaction Between Low-Frequency APD Oscillations and Beat-to-Beat APD Variability in Humans Is Governed by the Sympathetic Nervous System. Frontiers in Physiology, 2019, 10, 1582.	1.3	7
132	Completely epicardial implantable cardioverter/defibrillator (ICD) and CRTâ€D systems: A case series and systematic literature review. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 1616-1630.	0.5	7
133	First-Phase Ejection Fraction Predicts Response to Cardiac Resynchronization Therapy and Adverse Outcomes. JACC: Cardiovascular Imaging, 2021, 14, 2275-2285.	2.3	7
134	Phrenic nerve stimulation with the quadripolar left ventricular lead not overcome by 'electronic repositioning'. Europace, 2012, 14, 608-609.	0.7	6
135	Laser extraction of a defibrillator lead from a persistent left superior vena cava. Europace, 2013, 15, 1174-1174.	0.7	6
136	Electrical latency predicts the optimal left ventricular endocardial pacing site: results from a multicentre international registry. Europace, 2018, 20, 1989-1996.	0.7	6
137	Left ventricular scar and the acute hemodynamic effects of multivein and multipolar pacing in cardiac resynchronization. IJC Heart and Vasculature, 2018, 19, 14-19.	0.6	6
138	Complications associated with cardiac resynchronization therapy upgrades versus<i>de novo</i>implantations. Expert Review of Cardiovascular Therapy, 2018, 16, 607-615.	0.6	6
139	Changes in contractility determine coronary haemodynamics in dyssynchronous left ventricular heart failure, not vice versa. IJC Heart and Vasculature, 2018, 19, 8-13.	0.6	6
140	Economic evaluation of a dedicated cardiac resynchronisation therapy preassessment clinic. Open Heart, 2020, 7, e001249.	0.9	6
141	Financial and resource costs of transvenous lead extraction in a high-volume lead extraction centre. Heart, 2020, 106, 931-937.	1.2	6
142	Tracking the motion of intracardiac structures aids the development of future leadless pacing systems. Journal of Cardiovascular Electrophysiology, 2020, 31, 2431-2439.	0.8	6
143	Noninvasive electrocardiographic assessment of ventricular activation and remodeling response to cardiac resynchronization therapy. Heart Rhythm O2, 2021, 2, 12-18.	0.6	6
144	Cardiac Unfold: A Novel Technique for Image-Guided Cardiac Catheterization Procedures. Lecture Notes in Computer Science, 2012, , 104-114.	1.0	6

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145	Impact of anatomical reverse remodelling in the design of optimal quadripolar pacing leads: A computational study. Computers in Biology and Medicine, 2022, 140, 105073.	3.9	6
146	A Biventricular ICD System with Biventricular Defibrillation. PACE - Pacing and Clinical Electrophysiology, 2006, 29, 334-336.	0.5	5
147	A shocking lead in the coronary sinus. Europace, 2009, 11, 833-834.	0.7	5
148	Narrow QRS systolic heart failure: is there a target for cardiac resynchronization?. Expert Review of Cardiovascular Therapy, 2015, 13, 783-797.	0.6	5
149	A comparison of the different features of quadripolar left ventricular pacing leads to deliver cardiac resynchronization therapy. Expert Review of Medical Devices, 2017, 14, 697-706.	1.4	5
150	Predictors and outcomes of patients requiring repeat transvenous lead extraction of pacemaker and defibrillator leads. PACE - Pacing and Clinical Electrophysiology, 2018, 41, 155-160.	0.5	5
151	Cost-effectiveness of a risk-stratified approach to cardiac resynchronisation therapy defibrillators (high versus low) at the time of generator change. Heart, 2018, 104, 416-422.	1.2	5
152	Conceptual Intra-Cardiac Electrode Configurations That Facilitate Directional Cardiac Stimulation for Optimal Electrotherapy. IEEE Transactions on Biomedical Engineering, 2019, 66, 1259-1268.	2.5	5
153	The importance of leadless pacemaker positioning in relation to subcutaneous implantable cardioverter-defibrillator sensing in completely leadless cardiac resynchronization and defibrillation systems. HeartRhythm Case Reports, 2021, 7, 628-632.	0.2	5
154	Persistent left superior vena cava transvenous lead extraction: A European experience. Journal of Cardiovascular Electrophysiology, 2021, , .	0.8	5
155	Atrial fibrillation in cardiac resynchronization therapy. Heart Rhythm O2, 2021, 2, 784-795.	0.6	5
156	Machine learning–derived major adverse event prediction of patients undergoing transvenous lead extraction: Using the ESC EHRA EORP European lead extraction ConTRolled ELECTRa registry. Heart Rhythm, 2022, 19, 885-893.	0.3	5
157	Leadless Left Bundle Branch Area Pacing in Cardiac Resynchronisation Therapy: Advances, Challenges and Future Directions. Frontiers in Physiology, 0, 13, .	1.3	5
158	Tachycardia-induced cardiomyopathy caused by atrial flutter responding to DC cardioversion. British Journal of Hospital Medicine, 1999, 60, 305-306.	0.3	4
159	Successful Catheter Ablation of Focal Ventricular Fibrillation in a Patient with Nonischemic Dilated Cardiomyopathy. PACE - Pacing and Clinical Electrophysiology, 2011, 34, e38-42.	0.5	4
160	Image Integration to Guide Wireless Endocardial LV Electrode Implantation for CRT. JACC: Cardiovascular Imaging, 2017, 10, 1526-1528.	2.3	4
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