Kevin Vernooy

List of Publications by Year
in descending order

128 papers	3,064 citations	201385 27 h-index	205818 48 g-index
130 all docs	130 docs citations	130 times ranked	2440 citing authors

#	Article	IF	Citations
1	Subcutaneous or Transvenous Defibrillator Therapy. New England Journal of Medicine, 2020, 383, 526-536.	13.9	278
2	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. Europace, 2018, 20, e1-e10.	0.7	131
3	AV junction ablation and cardiac resynchronization for patients with permanent atrial fibrillation and narrow QRS: the APAF-CRT mortality trial. European Heart Journal, 2021, 42, 4731-4739.	1.0	111
4	Feasibility and Acute Hemodynamic Effect of Left Ventricular Septal Pacing by Transvenous Approach Through the Interventricular Septum. Circulation: Arrhythmia and Electrophysiology, 2016, 9, e003344.	2.1	108
5	How to use digital devices to detect and manage arrhythmias: an EHRA practical guide. Europace, 2022, 24, 979-1005.	0.7	107
6	Optimized implementation of cardiac resynchronization therapy: a call for action for referral and optimization of care. European Journal of Heart Failure, 2020, 22, 2349-2369.	2.9	101
7	Short-Term Hemodynamic and Electrophysiological Effects of CardiacÂResynchronization by LeftÂVentricular Septal Pacing. Journal of the American College of Cardiology, 2020, 75, 347-359.	1.2	96
8	EHRA expert consensus statement and practical guide on optimal implantation technique for conventional pacemakers and implantable cardioverter-defibrillators: endorsed by the Heart Rhythm Society (HRS), the Asia Pacific Heart Rhythm Society (APHRS), and the Latin-American Heart Rhythm Society (LAHRS). Europace, 2021, 23, 983-1008.	0.7	92
9	Ventricular Remodeling During Long-Term Right Ventricular Pacing Following His Bundle Ablation. American Journal of Cardiology, 2006, 97, 1223-1227.	0.7	82
10	Left bundle branch pacing compared to left ventricular septal myocardial pacing increases interventricular dyssynchrony but accelerates left ventricular lateral wall depolarization. Heart Rhythm, 2021, 18, 1281-1289.	0.3	77
11	Strategies to improve cardiac resynchronization therapy. Nature Reviews Cardiology, 2014, 11, 481-493.	6.1	75
12	Vectorcardiographic QRS area as a novel predictor of response to cardiac resynchronization therapy. Journal of Electrocardiology, 2015, 48, 45-52.	0.4	74
13	QRS Area Is a Strong Determinant of Outcome in Cardiac Resynchronization Therapy. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006497.	2.1	69
14	Implementation of an on-demand app-based heart rate and rhythm monitoring infrastructure for the management of atrial fibrillation through teleconsultation: TeleCheck-AF. Europace, 2021, 23, 345-352.	0.7	65
15	Mechanisms of sex differences in atrial fibrillation: role of hormones and differences in electrophysiology, structure, function, and remodelling. Europace, 2019, 21, 366-376.	0.7	61
16	Left ventricular lead placement in the latest activated region guided by coronary venous electroanatomic mapping. Europace, 2015, 17, 84-93.	0.7	58
17	Calculation of effective VV interval facilitates optimization of AV delay and VV interval in cardiac resynchronization therapy. Heart Rhythm, 2007, 4, 75-82.	0.3	57
18	Genetic and biophysical basis for bupivacaine-induced ST segment elevation and VT/VF. Anesthesia unmasked Brugada syndrome. Heart Rhythm, 2006, 3, 1074-1078.	0.3	53

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19	Three-year follow-up of hybrid ablation for atrial fibrillation. European Journal of Cardio-thoracic Surgery, 2018, 53, i26-i32.	0.6	51
20	Vectorcardiographic QRS area identifies delayed left ventricular lateral wall activation determined by electroanatomic mapping in candidates for cardiac resynchronization therapy. Heart Rhythm, 2016, 13, 217-225.	0.3	44
21	The definition of left bundle branch block influences the response to cardiac resynchronization therapy. International Journal of Cardiology, 2018, 269, 165-169.	0.8	43
22	Comparing Ventricular Synchrony in Left Bundle Branch and Left Ventricular Septal Pacing in Pacemaker Patients. Journal of Clinical Medicine, 2021, 10, 822.	1.0	39
23	Comparison of strain imaging techniques in CRT candidates: CMR tagging, CMR feature tracking and speckle tracking echocardiography. International Journal of Cardiovascular Imaging, 2018, 34, 443-456.	0.7	38
24	The value of the 12-lead ECG for evaluation and optimization of cardiac resynchronization therapy in daily clinical practice. Journal of Electrocardiology, 2014, 47, 202-211.	0.4	36
25	TâCWave Area Predicts Response to Cardiac Resynchronization Therapy in Patients with Left Bundle Branch Block. Journal of Cardiovascular Electrophysiology, 2015, 26, 176-183.	0.8	36
26	Critical appraisal of technologies to assess electrical activity during atrial fibrillation: a position paper from the European Heart Rhythm Association and European Society of Cardiology Working Group on eCardiology in collaboration with the Heart Rhythm Society, Asia Pacific Heart Rhythm Society, Latin American Heart Rhythm Society and Computing in Cardiology. Europace, 2022, 24, 313-330.	0.7	33
27	Nightly sleep apnea severity in patients with atrial fibrillation: Potential applications of long-term sleep apnea monitoring. IJC Heart and Vasculature, 2019, 24, 100424.	0.6	32
28	A novel approach for left ventricular lead placement in cardiac resynchronization therapy: Intraprocedural integration of coronary venous electroanatomic mapping with delayed enhancement cardiac magnetic resonance imaging. Heart Rhythm, 2017, 14, 110-119.	0.3	28
29	Relationship between vectorcardiographic QRSarea, myocardial scar quantification, and response to cardiac resynchronization therapy. Journal of Electrocardiology, 2018, 51, 457-463.	0.4	28
30	Efficacy and Safety of Appropriate Shocks and Antitachycardia Pacing in Transvenous and Subcutaneous Implantable Defibrillators: Analysis of All Appropriate Therapy in the PRAETORIAN Trial. Circulation, 2022, 145, 321-329.	1.6	28
31	Atrioventricular dromotropathy: evidence for a distinctive entity in heart failure with prolonged PR interval?. Europace, 2018, 20, 1067-1077.	0.7	27
32	Why QRS Duration Should Be Replaced by Better Measures of Electrical Activation to Improve Patient Selection for Cardiac Resynchronization Therapy. Journal of Cardiovascular Translational Research, 2016, 9, 257-265.	1.1	26
33	Strain imaging to predict response to cardiac resynchronization therapy: a systematic comparison of strain parameters using multiple imaging techniques. ESC Heart Failure, 2018, 5, 1130-1140.	1.4	24
34	Response to cardiac resynchronization therapy is determined by intrinsic electrical substrate rather than by its modification. International Journal of Cardiology, 2018, 270, 143-148.	0.8	24
35	Long-term intermittent versus short continuous heart rhythm monitoring for the detection of atrial fibrillation recurrences after catheter ablation. International Journal of Cardiology, 2021, 329, 105-112.	0.8	24
36	A VIRTUAL Sleep Apnoea management pathway For the work-up of Atrial fibrillation patients in a digital Remote Infrastructure: VIRTUAL-SAFARI. Europace, 2022, 24, 565-575.	0.7	23

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37	The bidirectional interaction between atrial fibrillation and heart failure: consequences for the management of both diseases. Europace, 2021, 23, ii40-ii45.	0.7	23
38	Left Ventricular Myocardial Septal Pacing in Close Proximity to LBB Does Not Prolong the Duration of the Left Ventricular Lateral Wall Depolarization Compared to LBB Pacing. Frontiers in Cardiovascular Medicine, 2021, 8, 787414.	1.1	23
39	A Possible Role for Pacing the LeftÂVentricular Septum in CardiacÂResynchronization Therapy. JACC: Clinical Electrophysiology, 2016, 2, 413-422.	1.3	22
40	Can We Use the Intrinsic Left Ventricular Delay (QLV) to Optimize the Pacing Configuration for Cardiac Resynchronization Therapy With a Quadripolar Left Ventricular Lead?. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005912.	2.1	22
41	The photoplethysmography dictionary: practical guidance on signal interpretation and clinical scenarios from TeleCheck-AF. European Heart Journal Digital Health, 2021, 2, 363-373.	0.7	22
42	The synthesized vectorcardiogram resembles the measured vectorcardiogram in patients with dyssynchronous heart failure. Journal of Electrocardiology, 2015, 48, 586-592.	0.4	21
43	The Left and Right Ventricles Respond Differently to Variation of Pacing Delays in Cardiac Resynchronization Therapy: A Combined Experimental- Computational Approach. Frontiers in Physiology, 2019, 10, 17.	1.3	21
44	New insights from a computational model on the relation between pacing site and CRT response. Europace, 2016, 18, iv94-iv103.	0.7	20
45	Comparison of strain parameters in dyssynchronous heart failure between speckle tracking echocardiography vendor systems. Cardiovascular Ultrasound, 2017, 15, 25.	0.5	20
46	Reduction in the QRS area after cardiac resynchronization therapy is associated with survival and echocardiographic response. Journal of Cardiovascular Electrophysiology, 2021, 32, 813-822.	0.8	20
47	European Society of Cardiology Quality Indicators for the care and outcomes of cardiac pacing: developed by the Working Group for Cardiac Pacing Quality Indicators in collaboration with the European Heart Rhythm Association of the European Society of Cardiology. Europace, 2022, 24, 165-172.	0.7	20
48	Development and external validation of prediction models to predict implantable cardioverter-defibrillator efficacy in primary prevention of sudden cardiac death. Europace, 2021, 23, 887-897.	0.7	19
49	Pressure-Volume Loop Analysis of Multipoint Pacing With a Quadripolar LeftÂVentricular Lead in Cardiac Resynchronization Therapy. JACC: Clinical Electrophysiology, 2018, 4, 881-889.	1.3	18
50	Novel bradycardia pacing strategies. Heart, 2020, 106, 1883-1889.	1.2	18
51	Optimized implementation of cardiac resynchronization therapy: a call for action for referral and optimization of care. Europace, 2021, 23, 1324-1342.	0.7	18
52	Outcomes of conduction system pacing compared to right ventricular pacing as a primary strategy for treating bradyarrhythmia: systematic review and meta-analysis. Clinical Research in Cardiology, 2022, 111, 1198-1209.	1.5	18
53	Optimizing lead placement for pacing in dyssynchronous heart failure: The patient in the lead. Heart Rhythm, 2021, 18, 1024-1032.	0.3	17
54	Integration of cardiac magnetic resonance imaging, electrocardiographic imaging, and coronary venous computed tomography angiography for guidance of left ventricular lead positioning. Europace, 2019, 21, 626-635.	0.7	16

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55	Evaluating Electrocardiography-Based Identification of Cardiac Resynchronization Therapy Responders Beyond Current LeftÂBundle Branch Block Definitions. JACC: Clinical Electrophysiology, 2020, 6, 193-203.	1.3	16
56	Evaluation of the use of unipolar voltage amplitudes for detection of myocardial scar assessed by cardiac magnetic resonance imaging in heart failure patients. PLoS ONE, 2017, 12, e0180637.	1.1	16
57	Strategies to Improve Selection ofÂPatients Without Typical LeftÂBundleÂBranch Block for CardiacÂResynchronization Therapy. JACC: Clinical Electrophysiology, 2020, 6, 129-142.	1.3	15
58	Hemodynamic Optimization in CardiacÂResynchronization Therapy. JACC: Clinical Electrophysiology, 2019, 5, 1013-1025.	1.3	14
59	The value of septal rebound stretch analysis for the prediction of volumetric response to cardiac resynchronization therapy. European Heart Journal Cardiovascular Imaging, 2021, 22, 37-45.	0.5	14
60	Toward Sex-Specific Guidelines for Cardiac Resynchronization Therapy?. Journal of Cardiovascular Translational Research, 2016, 9, 12-22.	1.1	13
61	Shorter cryoballoon applications times do effect efficacy but result in less phrenic nerve injury: Results of the randomized 123 study. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 508-514.	0.5	13
62	Regional Left Ventricular Electrical Activation and Peak Contraction Are Closely Related in Candidates for CardiacÂResynchronization Therapy. JACC: Clinical Electrophysiology, 2017, 3, 854-862.	1.3	12
63	Atrial fibrillation in patients with an atrial septal defect in a single centre cohort during a long clinical follow-up: its association with closure and outcome of therapy. Open Heart, 2020, 7, e001298.	0.9	12
64	Pacing therapy for atrioventricular dromotropathy: a combined computationalâ€“experimentalâ€“clinical study. Europace, 2022, 24, 784-795.	0.7	12
65	Do Women Require Less Permanent Pacemaker After Transcatheter Aortic Valve Implantation? A Metaâ€Analysis and Metaâ€Regression. Journal of the American Heart Association, 2021, 10, e019429.	1.6	12
66	Histopathological Validation of Darkâ€Blood Late Gadolinium Enhancement MRI Without Additional Magnetization Preparation. Journal of Magnetic Resonance Imaging, 2021, , .	1.9	12
67	Evaluating multisite pacing strategies in cardiac resynchronization therapy in the preclinical setting. Heart Rhythm O2, 2020, 1, 111-119.	0.6	12
68	T-wave area as biomarker of clinical response to cardiac resynchronization therapy. Europace, 2016, 18, 1077-1085.	0.7	11
69	Improved acute haemodynamic response to cardiac resynchronization therapy using multipoint pacing cannot solely be explained by better resynchronization. Journal of Electrocardiology, 2018, 51, S61-S66.	0.4	11
70	Transforming a preâ€existing MRI environment into an interventional cardiac MRI suite. Journal of Cardiovascular Electrophysiology, 2021, 32, 2090-2096.	0.8	11
71	Permanent pacemaker implantation following transcatheter aortic valve implantation using self-expandable, balloon-expandable, or mechanically expandable devices: a network meta-analysis. Europace, 2021, 23, 1998-2009.	0.7	11
72	Hybrid thoracoscopic surgical and transvenous catheter ablation versus transvenous catheter ablation in persistent and longstanding persistent atrial fibrillation (HARTCAP-AF): study protocol for a randomized trial. Trials, 2019, 20, 370.	0.7	10

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73	Association between heart failure aetiology and magnitude of echocardiographic remodelling and outcome of cardiac resynchronization therapy. ESC Heart Failure, 2020, 7, 645-653.	1.4	10
74	Fully automated QRS area measurement for predicting response to cardiac resynchronization therapy. Journal of Electrocardiology, 2020, 63, 159-163.	0.4	9
75	Heart Size Corrected Electrical Dyssynchrony and Its Impact on Sex-Specific Response to Cardiac Resynchronization Therapy. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e008452.	2.1	9
76	Improving diagnosis and risk stratification across the ejection fraction spectrum: the Maastricht Cardiomyopathy registry. ESC Heart Failure, 2022, 9, 1463-1470.	1.4	9
77	AÂsingle-centre prospective evaluation of left bundle branch area pacemaker implantation characteristics. Netherlands Heart Journal, 2022, 30, 249-257.	0.3	9
78	Serial Assessment of Myocardial Injury Markers in Mechanically Ventilated Patients With SARS-CoV-2 (from the Prospective MaastrICCht Cohort). American Journal of Cardiology, 2022, 170, 118-127.	0.7	9
79	Comparison of septal strain patterns in dyssynchronous heart failure between speckle tracking echocardiography vendor systems. Journal of Electrocardiology, 2015, 48, 609-616.	0.4	8
80	Refining success of cardiac resynchronization therapy using a simple score predicting the amount of reverse ventricular remodelling: results from the MARC study â€“ authors reply. Europace, 2018, 20, 393-393.	0.7	8
81	Atrioventricular optimization in cardiac resynchronization therapy with quadripolar leads: should we optimize every pacing configuration including multi-point pacing?. Europace, 2019, 21, e11-e19.	0.7	8
82	Feasibility and safety of left bundle branch area pacingâ€”cardiac resynchronization therapy in elderly patients. Journal of Interventional Cardiac Electrophysiology, 2023, 66, 311-321.	0.6	8
83	Electrical remodelling in patients with iatrogenic left bundle branch block. Europace, 2016, 18, iv44-iv52.	0.7	7
84	Prediction of optimal cardiac resynchronization by vectors extracted from electrograms in dyssynchronous canine hearts. Journal of Cardiovascular Electrophysiology, 2017, 28, 944-951.	0.8	7
85	Cardiac Inflammation Impedes Response to Cardiac Resynchronization Therapy in Patients With Idiopathic Dilated Cardiomyopathy. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008727.	2.1	6
86	Pulmonary vein isolation in a real-world population does not influence QTc interval. Europace, 2021, 23, i48-i54.	0.7	6
87	Does mechanical dyssynchrony in addition to QRS area ensure sustained response to cardiac resynchronization therapy?. European Heart Journal Cardiovascular Imaging, 2022, 23, 1628-1635.	0.5	6
88	Concomitant pulmonary vein isolation and percutaneous closure of atrial septal defects: A pilot project. Congenital Heart Disease, 2019, 14, 1123-1129.	0.0	5
89	Career building in countries with electrophysiology underdevelopment: roadblocks and solutionsâ€”an EHRA Young EP Report. Europace, 2019, 21, 978-980.	0.7	5
90	Physiology and Practicality of Left Ventricular Septal Pacing. Arrhythmia and Electrophysiology Review, 2021, 10, 165-171.	1.3	5

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91	Left Ventricular Lead Placement Guided by Reduction in QRS Area. Journal of Clinical Medicine, 2021, 10, 5935.	1.0	5
92	Rationale and Design of the ISOLATION Study: A Multicenter Prospective Cohort Study Identifying Predictors for Successful Atrial Fibrillation Ablation in an Integrated Clinical Care and Research Pathway. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	5
93	Better understanding before implanting. International Journal of Cardiology, 2015, 184, 6-8.	0.8	4
94	Current status of interventional cardiac electrophysiology training in ESC member countries: an EHRA Young EP Report. Europace, 2019, 21, 522-524.	0.7	4
95	ECG Patterns In Cardiac Resynchronization Therapy. Journal of Atrial Fibrillation, 2015, 7, 1214.	0.5	4
96	Interatrial Block Predicts Lifeâ€Threatening Arrhythmias in Dilated Cardiomyopathy. Journal of the American Heart Association, 2022, 11, .	1.6	4
97	The role of acute invasive haemodynamic measurements in cardiac resynchronization therapy: looping towards prediction of longâ€term response and therapy optimization. European Journal of Heart Failure, 2013, 15, 247-249.	2.9	3
98	Tailoring device settings in cardiac resynchronization therapy using electrograms from pacing electrodes. Europace, 2018, 20, 1146-1153.	0.7	3
99	Electrogram morphology discriminators in implantable cardioverter defibrillators: A comparative evaluation. Journal of Cardiovascular Electrophysiology, 2020, 31, 1493-1506.	0.8	3
100	Segment length in cine (SLICE) strain analysis: a practical approach to estimate potential benefit from cardiac resynchronization therapy. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 4.	1.6	3
101	Aetiology of Heart Failure, Rather than Sex, Determines Reverse LV Remodelling Response to CRT. Journal of Clinical Medicine, 2021, 10, 5513.	1.0	3
102	Vectorcardiographic QRS area as a predictor of response to cardiac resynchronization therapy.. Journal of Geriatric Cardiology, 2022, 19, 9-20.	0.2	3
103	How to make catheter ablation available world-wide?. IJC Heart and Vasculature, 2019, 24, 100411.	0.6	2
104	One-Stage Versus Sequential Hybrid Radiofrequency Ablation: An In Vitro Evaluation. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2020, 15, 338-345.	0.4	2
105	Withdrawn as duplicate: Optimized Implementation of cardiac resynchronization therapy â€“ a call for action for referral and optimization of care. Europace, 2023, 25, .	0.7	2
106	Occurrence and Persistency of Conduction Disturbances during Transcatheter Aortic Valve Implantation. Medicina (Lithuania), 2021, 57, 695.	0.8	2
107	Synchronization of repolarization after cardiac resynchronization therapy: a combined clinical and modeling study. Journal of Cardiovascular Electrophysiology, 0, , .	0.8	2
108	Hypnotic communication during atrial fibrillation ablation: Another clinical application of hypnotherapy?. IJC Heart and Vasculature, 2019, 24, 100408.	0.6	1

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109	Unsuccessful antitachycardia pacing: What is the mechanism?. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 464-466.	0.5	1
110	Survey on the research activities within the EHRA Young EP community. Europace, 2019, 21, 670-672.	0.7	1
111	The road goes ever on: innovations and paradigm shifts in atrial fibrillation management. Europace, 2021, 23, ii1-ii3.	0.7	1
112	To drive or NOT to drive: thatâ€™s the question after ICD implantation. European Heart Journal, 2021, 42, 3538-3540.	1.0	1
113	New Biparietal Bipolar Catheter Prototype for Hybrid Atrial Fibrillation Ablation. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2021, 16, 181-187.	0.4	1
114	Subcutaneous ICD implantation under ultrasound-guided serratus anterior plane block: Single-center experience in the Netherlands. IJC Heart and Vasculature, 2022, 38, 100949.	0.6	1
115	Electro-energetics of Biventricular, Septal and Conduction System Pacing. Arrhythmia and Electrophysiology Review, 2021, 10, 250-257.	1.3	1
116	Better outcome at lower costs after implementing a CRTâ€¢care pathway: comprehensive evaluation of realâ€•world data. ESC Heart Failure, 0, , .	1.4	1
117	An evaluation of 24â€…h Holter monitoring in patients with myotonic dystrophy type 1. Europace, 0, , .	0.7	1
118	Response to Letter Regarding Article, â€œInduced Brugada-Type Electrocardiogram, a Sign for Imminent Malignant Arrhythmiasâ€•. Circulation, 2008, 118, .	1.6	0
119	Evaluation of Left Ventricular Endocardial Cardiac Resynchronization Therapy in a Non-responder with Ventricular Arrhythmias. Indian Pacing and Electrophysiology Journal, 2014, 14, 32-36.	0.3	0
120	Left ventricular lead positioning in cardiac resynchronization therapy: Mission accomplished?. Heart Rhythm, 2017, 14, 1373-1374.	0.3	0
121	The importance of electrocardiographic followâ€•up in heart failure. European Journal of Heart Failure, 2020, 22, 2380-2382.	2.9	0
122	Do we need to pace the bundle? Editorial comment on: Nonselective versus selective His bundle pacing: An acute intrapatient speckle tracking strain echocardiographic study by Bednarek et al. Journal of Cardiovascular Electrophysiology, 2021, 32, 126-128.	0.8	0
123	The walk of life: Remote monitoring provides insights into physical activity during a pandemic. IJC Heart and Vasculature, 2021, 33, 100772.	0.6	0
124	Does pulmonary vein isolation prolong QT-interval?â€” Authorsâ€™ reply. Europace, 2021, 23, 2046-2047.	0.7	0
125	Corrected QT interval prolongation after ganglionated plexus ablation: myth or reality?â€”Authorsâ€™ reply. Europace, 2021, 23, 2047-2048.	0.7	0
126	Arrhythmic risk management after acute myocarditis: never too early, only too late. European Journal of Heart Failure, 2021, 23, 2055-2057.	2.9	0

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127	Reply to the Editor â€" Regarding Multisite pacing strategies: Solutions looking for a problem?. Heart Rhythm O2, 2020, 1, 315-316.	0.6	0
128	Atrioventricular dromotropathy: an important substrate for complete resynchronization therapyâ€"Authorsâ€™ reply. Europace, 2022, , .	0.7	0