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List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

968
citations

430874

18
h-index

501196

28
g-index

56
all docs

56
docs citations

56
times ranked

1215
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of myocardial wall thickness in atrial arrhythmogenesis. <i>Europace</i> , 2016, 18, euw014.	1.7	65
2	High-Resolution Mapping of Ventricular Scar. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 220-231.	3.2	49
3	Personalized computational modeling of left atrial geometry and transmural myofiber architecture. <i>Medical Image Analysis</i> , 2018, 47, 180-190.	11.6	46
4	The reproducibility of late gadolinium enhancement cardiovascular magnetic resonance imaging of post-ablation atrial scar: a cross-over study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 21.	3.3	46
5	Pathophysiology and Management of Arrhythmias Associated with Atrial Septal Defect and Patent Foramen Ovale. <i>Arrhythmia and Electrophysiology Review</i> , 2014, 3, 168.	2.4	43
6	Linking statistical shape models and simulated function in the healthy adult human heart. <i>PLoS Computational Biology</i> , 2021, 17, e1008851.	3.2	41
7	A technique for measuring anisotropy in atrial conduction to estimate conduction velocity and atrial fibre direction. <i>Computers in Biology and Medicine</i> , 2019, 104, 278-290.	7.0	40
8	Patient-specific simulations predict efficacy of ablation of interatrial connections for treatment of persistent atrial fibrillation. <i>Europace</i> , 2018, 20, iii55-iii68.	1.7	38
9	In silico Comparison of Left Atrial Ablation Techniques That Target the Anatomical, Structural, and Electrical Substrates of Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2020, 11, 1145.	2.8	38
10	Novel MRI Technique Enables Non-Invasive Measurement of Atrial Wall Thickness. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1607-1614.	8.9	37
11	Lesion Index-Guided Ablation Facilitates Continuous, Transmural, and Durable Lesions in a Porcine Recovery Model. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005892.	4.8	37
12	Simultaneous bright- and black-blood whole-heart MRI for noncontrast enhanced coronary lumen and thrombus visualization. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1460-1472.	3.0	33
13	Predicting Atrial Fibrillation Recurrence by Combining Population Data and Virtual Cohorts of Patient-Specific Left Atrial Models. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022, 15, CIRCEP121010253.	4.8	32
14	Factors Promoting Conduction Slowing as Substrates for Block and Reentry in Infarcted Hearts. <i>Biophysical Journal</i> , 2019, 117, 2361-2374.	0.5	31
15	The Effect of Contact Force in Atrial Radiofrequency Ablation. <i>JACC: Clinical Electrophysiology</i> , 2015, 1, 421-431.	3.2	30
16	Reproducibility of Atrial Fibrosis Assessment Using CMR Imaging and an Open Source Platform. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2076-2077.	5.3	25
17	The impact of wall thickness and curvature on wall stress in patient-specific electromechanical models of the left atrium. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 1015-1034.	2.8	23
18	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.	3.2	19

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19	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.	1.7	19
20	Electroanatomic Mapping and Transoesophageal Echocardiography for near Zero Fluoroscopy during Complex Left Atrial Ablation. <i>Heart Lung and Circulation</i> , 2016, 25, 652-660.	0.4	17
21	A comprehensive multi-index cardiac magnetic resonance-guided assessment of atrial fibrillation substrate prior to ablation: Prediction of long-term outcomes. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1894-1903.	1.7	17
22	Left atrial effective conducting size predicts atrial fibrillation vulnerability in persistent but not paroxysmal atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1416-1427.	1.7	17
23	Local Conduction Velocity in the Presence of Late Gadolinium Enhancement and Myocardial Wall Thinning. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007175.	4.8	17
24	Cardiac MR Characterization of left ventricular remodeling in a swine model of infarct followed by reperfusion. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 808-817.	3.4	16
25	Fully Automatic Atrial Fibrosis Assessment Using a Multilabel Convolutional Neural Network. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e011512.	2.6	15
26	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.	7.0	13
27	OpenEP: A Cross-Platform Electroanatomic Mapping Data Format and Analysis Platform for Electrophysiology Research. <i>Frontiers in Physiology</i> , 2021, 12, 646023.	2.8	13
28	Non-invasive ablation of arrhythmias with stereotactic ablative radiotherapy. <i>Trends in Cardiovascular Medicine</i> , 2022, 32, 287-296.	4.9	13
29	Assessing the ability of substrate mapping techniques to guide ventricular tachycardia ablation using computational modelling. <i>Computers in Biology and Medicine</i> , 2021, 130, 104214.	7.0	12
30	Automated Left Ventricle Ischemic Scar Detection in CT Using Deep Neural Networks. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 655252.	2.4	12
31	Cardiac CT assessment of tissue thickness at the ostium of the left atrial appendage predicts acute success of radiofrequency ablation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2017, 40, 1218-1226.	1.2	10
32	Improved co-registration of ex-vivo and in-vivo cardiovascular magnetic resonance images using heart-specific flexible 3D printed acrylic scaffold combined with non-rigid registration. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 62.	3.3	10
33	Determining anatomical and electrophysiological detail requirements for computational ventricular models of porcine myocardial infarction. <i>Computers in Biology and Medicine</i> , 2022, 141, 105061.	7.0	9
34	Cardiac Magnetic resonance assessment of bi-Atrial fibrosis in secundum atrial septal defects patients: CAMERA-ASD study. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1231-1239.	1.2	8
35	Safety and Efficacy of Cryoablation for Right Ventricular Moderator Band Papillary Muscle Complex Ventricular Arrhythmias. <i>JACC: Clinical Electrophysiology</i> , 2022, 8, 857-868.	3.2	8
36	Fast myocardial T ₁ mapping using shortened inversion recovery based schemes. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 641-654.	3.4	7

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37	Applications of multimodality imaging for left atrial catheter ablation. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 23, 31-41.	1.2	7
38	Late Gadolinium Enhancement Cardiovascular Magnetic Resonance Assessment of Substrate for Ventricular Tachycardia With Hemodynamic Compromise. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 744779.	2.4	7
39	Cardiovascular Magnetic Resonance-Based Three-Dimensional Structural Modeling and Heterogeneous Tissue Channel Detection in Ventricular Arrhythmia. <i>Scientific Reports</i> , 2019, 9, 9317.	3.3	6
40	FASt single-breathhold 2D multislice myocardial T1 mapping (FAST1) at 1.5T for full left ventricular coverage in three breathholds. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 492-504.	3.4	6
41	The value of ablation parameter indices for predicting mature atrial scar formation in humans: An in vivo assessment using cardiac magnetic resonance imaging. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 67-77.	1.7	5
42	An automated near-real time computational method for induction and treatment of scar-related ventricular tachycardias. <i>Medical Image Analysis</i> , 2022, 80, 102483.	11.6	5
43	Advances in CMR of Post-ablation Atrial Injury. <i>Current Cardiovascular Imaging Reports</i> , 2015, 8, 1.	0.6	4
44	Voltage and pace-capture mapping of linear ablation lesions overestimates chronic ablation gap size. <i>Europace</i> , 2018, 20, 2028-2035.	1.7	4
45	Percutaneous secundum atrial septal defect closure for the treatment of atrial arrhythmia in the adult: A meta-analysis. <i>International Journal of Cardiology</i> , 2020, 321, 104-112.	1.7	4
46	Standardised computed tomographic assessment of left atrial morphology and tissue thickness in humans. <i>IJC Heart and Vasculature</i> , 2021, 32, 100694.	1.1	3
47	A pause for thought: exercise-induced sinus arrest causing syncope in a young male. <i>BMJ Case Reports</i> , 2011, 2011, bcr1120103519-bcr1120103519.	0.5	2
48	Recurrent pocket infection due to <i>Mycobacterium chelonae</i> at the site of an explanted cardiac implantable electrical device in proximity to a long-standing tattoo. <i>HeartRhythm Case Reports</i> , 2016, 2, 132-134.	0.4	2
49	Time-Averaged Wavefront Analysis Demonstrates Preferential Pathways of Atrial Fibrillation, Predicting Pulmonary Vein Isolation Acute Response. <i>Frontiers in Physiology</i> , 2021, 12, 707189.	2.8	2
50	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	2
51	Accelerated idioventricular rhythm after left atrial tachycardia ablation as a marker of acute coronary ischemia. <i>HeartRhythm Case Reports</i> , 2015, 1, 99-102.	0.4	1
52	State-of-the-Art CT Imaging of the Left Atrium. <i>Current Radiology Reports</i> , 2016, 4, 1.	1.4	1
53	Radiation-free nonselective His pacing lead implantation in a pregnant patient with congenitally corrected transposition of the great arteries. <i>HeartRhythm Case Reports</i> , 2021, 7, 323-327.	0.4	1
54	Alternating broad QRS complexes during tachycardia: What is the mechanism?. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 638-640.	1.7	0

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55	The effect of scar and pacing location on repolarization in a porcine myocardial infarction model. Heart Rhythm O2, 2022, 3, 186-195.	1.7	0