

John Whitaker Bm, Bch

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	Non-invasive ablation of arrhythmias with stereotactic ablative radiotherapy. Trends in Cardiovascular Medicine, 2022, 32, 287-296.	4.9	13
2	Cardiac Magnetic resonance assessment of bi-Atrial fibrosis in secundum atrial septal defects patients: CAMERA-ASD study. European Heart Journal Cardiovascular Imaging, 2022, 23, 1231-1239.	1.2	8
3	Determining anatomical and electrophysiological detail requirements for computational ventricular models of porcine myocardial infarction. Computers in Biology and Medicine, 2022, 141, 105061.	7.0	9
4	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
5	Predicting Atrial Fibrillation Recurrence by Combining Population Data and Virtual Cohorts of Patient-Specific Left Atrial Models. Circulation: Arrhythmia and Electrophysiology, 2022, 15, CIRCEP121010253.	4.8	32
6	Safety and Efficacy of Cryoablation for Right Ventricular Moderator Band Papillary Muscle Complex Ventricular Arrhythmias. JACC: Clinical Electrophysiology, 2022, 8, 857-868.	3.2	8
7	An automated near-real time computational method for induction and treatment of scar-related ventricular tachycardias. Medical Image Analysis, 2022, 80, 102483.	11.6	5
8	Applications of multimodality imaging for left atrial catheter ablation. European Heart Journal Cardiovascular Imaging, 2021, 23, 31-41.	1.2	7
9	Standardised computed tomographic assessment of left atrial morphology and tissue thickness in humans. IJC Heart and Vasculature, 2021, 32, 100694.	1.1	3
10	OpenEP: A Cross-Platform Electroanatomic Mapping Data Format and Analysis Platform for Electrophysiology Research. Frontiers in Physiology, 2021, 12, 646023.	2.8	13
11	Radiation-free nonselective His pacing lead implantation in a pregnant patient with congenitally corrected transposition of the great arteries. HeartRhythm Case Reports, 2021, 7, 323-327.	0.4	1
12	Assessing the ability of substrate mapping techniques to guide ventricular tachycardia ablation using computational modelling. Computers in Biology and Medicine, 2021, 130, 104214.	7.0	12
13	Linking statistical shape models and simulated function in the healthy adult human heart. PLoS Computational Biology, 2021, 17, e1008851.	3.2	41
14	Automated Left Ventricle Ischemic Scar Detection in CT Using Deep Neural Networks. Frontiers in Cardiovascular Medicine, 2021, 8, 655252.	2.4	12
15	Time-Averaged Wavefront Analysis Demonstrates Preferential Pathways of Atrial Fibrillation, Predicting Pulmonary Vein Isolation Acute Response. Frontiers in Physiology, 2021, 12, 707189.	2.8	2
16	Late Gadolinium Enhancement Cardiovascular Magnetic Resonance Assessment of Substrate for Ventricular Tachycardia With Hemodynamic Compromise. Frontiers in Cardiovascular Medicine, 2021, 8, 744779.	2.4	7
17	An in-silico assessment of efficacy of two novel intra-cardiac electrode configurations versus traditional anti-tachycardia pacing therapy for terminating sustained ventricular tachycardia. Computers in Biology and Medicine, 2021, 139, 104987.	7.0	2
18	FASt single-breathhold 2D multislice myocardial T1 mapping (FASt1) at 1.5T for full left ventricular coverage in three breathholds. Journal of Magnetic Resonance Imaging, 2020, 51, 492-504.	3.4	6

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19	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
20	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
21	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
22	Fully Automatic Atrial Fibrosis Assessment Using a Multilabel Convolutional Neural Network. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e011512.	2.6	15
23	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
24	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
25	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
26	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
27	Factors Promoting Conduction Slowing as Substrates for Block and Reentry in Infarcted Hearts. <i>Biophysical Journal</i> , 2019, 117, 2361-2374.	0.5	31
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	Personalized computational modeling of left atrial geometry and transmural myofiber architecture. <i>Medical Image Analysis</i> , 2018, 47, 180-190.	11.6	46
36	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

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37	Alternating broad QRS complexes during tachycardia: What is the mechanism?. Journal of Cardiovascular Electrophysiology, 2018, 29, 638-640.	1.7	0
38	Voltage and pace-capture mapping of linear ablation lesions overestimates chronic ablation gap size. Europace, 2018, 20, 2028-2035.	1.7	4
39	Simultaneous bright and black blood whole heart MRI for noncontrast enhanced coronary lumen and thrombus visualization. Magnetic Resonance in Medicine, 2018, 79, 1460-1472.	3.0	33
40	Patient-specific simulations predict efficacy of ablation of interatrial connections for treatment of persistent atrial fibrillation. Europace, 2018, 20, iii55-iii68.	1.7	38
41	The reproducibility of late gadolinium enhancement cardiovascular magnetic resonance imaging of post-ablation atrial scar: a cross-over study. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 21.	3.3	46
42	High-Resolution Mapping of Ventricular Scar. JACC: Clinical Electrophysiology, 2017, 3, 220-231.	3.2	49
43	Novel MRI Technique Enables Non-Invasive Measurement of Atrial Wall Thickness. IEEE Transactions on Medical Imaging, 2017, 36, 1607-1614.	8.9	37
44	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.	3.2	19
45	Cardiac CT assessment of tissue thickness at the ostium of the left atrial appendage predicts acute success of radiofrequency ablation. PACE - Pacing and Clinical Electrophysiology, 2017, 40, 1218-1226.	1.2	10
46	The effect of activation rate on left atrial bipolar voltage in patients with paroxysmal atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2017, 28, 1028-1036.	1.7	19
47	State-of-the-Art CT Imaging of the Left Atrium. Current Radiology Reports, 2016, 4, 1.	1.4	1
48	Electroanatomic Mapping and Transoesophageal Echocardiography for near Zero Fluoroscopy during Complex Left Atrial Ablation. Heart Lung and Circulation, 2016, 25, 652-660.	0.4	17
49	The role of myocardial wall thickness in atrial arrhythmogenesis. Europace, 2016, 18, euw014.	1.7	65
50	Recurrent pocket infection due to Mycobacterium chelonae at the site of an explanted cardiac implantable electrical device in proximity to a long-standing tattoo. HeartRhythm Case Reports, 2016, 2, 132-134.	0.4	2
51	Accelerated idioventricular rhythm after left atrial tachycardia ablation as a marker of acute coronary ischemia. HeartRhythm Case Reports, 2015, 1, 99-102.	0.4	1
52	The Effect of Contact Force in Atrial Radiofrequency Ablation. JACC: Clinical Electrophysiology, 2015, 1, 421-431.	3.2	30
53	Advances in CMR of Post-ablation Atrial Injury. Current Cardiovascular Imaging Reports, 2015, 8, 1.	0.6	4
54	Pathophysiology and Management of Arrhythmias Associated with Atrial Septal Defect and Patent Foramen Ovale. Arrhythmia and Electrophysiology Review, 2014, 3, 168.	2.4	43

#	ARTICLE	IF	CITATIONS
55	A pause for thought: exercise-induced sinus arrest causing syncope in a young male. BMJ Case Reports, 2011, 2011, bcr1120103519-bcr1120103519.	0.5	2