

John Whitaker

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

650
citations

567281

15
h-index

610901

24
g-index

37
all docs

37
docs citations

37
times ranked

918
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	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
6	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
7	The Effect of Contact Force in Atrial Radiofrequency Ablation. <i>JACC: Clinical Electrophysiology</i> , 2015, 1, 421-431.	3.2	30
8	Epicardial electroanatomical mapping, radiofrequency ablation, and lesion imaging in the porcine left ventricle under real-time magnetic resonance imaging guidance—an in vivo feasibility study. <i>Europace</i> , 2018, 20, f254-f262.	1.7	25
9	Magnetic resonance imaging guidance for the optimization of ventricular tachycardia ablation. <i>Europace</i> , 2018, 20, 1721-1732.	1.7	24
10	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
11	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
12	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
13	Pulmonary vein encirclement using an Ablation Index-guided point-by-point workflow: cardiovascular magnetic resonance assessment of left atrial scar formation. <i>Europace</i> , 2019, 21, 1817-1823.	1.7	17
14	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
15	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
16	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
17	Cardiac Electrophysiology Under MRI Guidance: an Emerging Technology. <i>Arrhythmia and Electrophysiology Review</i> , 2017, 6, 85.	2.4	16
18	Fully Automatic Atrial Fibrosis Assessment Using a Multilabel Convolutional Neural Network. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e011512.	2.6	15

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19	Cardiac Electrophysiology Under MRI Guidance: an Emerging Technology. <i>Arrhythmia and Electrophysiology Review</i> , 2017, 6, 85.	2.4	15
20	Local activation time sampling density for atrial tachycardia contact mapping: how much is enough?. <i>Europace</i> , 2018, 20, e11-e20.	1.7	13
21	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
22	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
23	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.	7.0	10
24	Evaluation of a real-time magnetic resonance imaging-guided electrophysiology system for structural and electrophysiological ventricular tachycardia substrate assessment. <i>Europace</i> , 2019, 21, 1432-1441.	1.7	9
25	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
26	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
27	Applications of multimodality imaging for left atrial catheter ablation. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 23, 31-41.	1.2	7
28	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
29	Cardiac implantable electronic device-related endocarditis: A 12-year single-centre experience. <i>Scandinavian Journal of Infectious Diseases</i> , 2012, 44, 922-926.	1.5	6
30	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
31	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
32	Voltage and pace-capture mapping of linear ablation lesions overestimates chronic ablation gap size. <i>Europace</i> , 2018, 20, 2028-2035.	1.7	4
33	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
34	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
35	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
36	State-of-the-Art CT Imaging of the Left Atrium. <i>Current Radiology Reports</i> , 2016, 4, 1.	1.4	1

#	ARTICLE	IF	CITATIONS
37	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