

Raad H Mohiaddin

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,905
citations

218592

26
h-index

168321

53
g-index

72
all docs

72
docs citations

72
times ranked

3442
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric redirection of flow through the heart. <i>Nature</i> , 2000, 404, 759-761.	13.7	636
2	Multimodality Imaging in Transcatheter Aortic Valve Implantation and Post-Procedural Aortic Regurgitation. <i>Journal of the American College of Cardiology</i> , 2011, 58, 2165-2173.	1.2	191
3	Evaluation of algorithms for Multi-Modality Whole Heart Segmentation: An open-access grand challenge. <i>Medical Image Analysis</i> , 2019, 58, 101537.	7.0	180
4	SCMR Position Paper (2020) on clinical indications for cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 76.	1.6	169
5	Role of Magnetic Resonance Angiography in the Diagnosis of Major Aortopulmonary Collateral Arteries and Partial Anomalous Pulmonary Venous Drainage. <i>Circulation</i> , 2004, 109, 207-214.	1.6	141
6	Magnetic resonance volume flow and jet velocity mapping in aortic coarctation. <i>Journal of the American College of Cardiology</i> , 1993, 22, 1515-1521.	1.2	140
7	Determination of Clinical Outcome in Mitral Regurgitation With Cardiovascular Magnetic Resonance Quantification. <i>Circulation</i> , 2016, 133, 2287-2296.	1.6	137
8	Evidence for Marfan cardiomyopathy. <i>European Journal of Heart Failure</i> , 2010, 12, 1085-1091.	2.9	111
9	Personalised external aortic root support (PEARS) in Marfan syndrome: analysis of 9-year outcomes by intention-to-treat in a cohort of the first 30 consecutive patients to receive a novel tissue and valve-conserving procedure, compared with the published results of aortic root replacement. <i>Heart</i> , 2014, 100, 969-975.	1.2	101
10	How We Perform Cardiovascular Magnetic Resonance Flow Assessment Using Phase-Contrast Velocity Mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2005, 7, 705-716.	1.6	83
11	Prevalence of Associated Cardiovascular Abnormalities in 500 Patients With Aortic Coarctation Referred for Cardiovascular Magnetic Resonance Imaging to a Tertiary Center. <i>Pediatric Cardiology</i> , 2011, 32, 1120-1127.	0.6	78
12	Simultaneous left atrium anatomy and scar segmentations via deep learning in multiview information with attention. <i>Future Generation Computer Systems</i> , 2020, 107, 215-228.	4.9	73
13	Renal denervation in heart failure with preserved ejection fraction (<sc>RDT&PEF</sc>): a randomized controlled trial. <i>European Journal of Heart Failure</i> , 2016, 18, 703-712.	2.9	62
14	Atrial scar quantification via multi-scale CNN in the graph-cuts framework. <i>Medical Image Analysis</i> , 2020, 60, 101595.	7.0	55
15	Catheter ablation vs. thoracoscopic surgical ablation in long-standing persistent atrial fibrillation: CASA-AF randomized controlled trial. <i>European Heart Journal</i> , 2020, 41, 4471-4480.	1.0	54
16	Manufacturing and placing a bespoke support for the Marfan aortic root: description of the method and technical results and status at one year for the first ten patients. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2010, 10, 360-365.	0.5	53
17	Measuring the heart in pulmonary arterial hypertension (PAH): Implications for trial study size. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 117-124.	1.9	49
18	The Tailor of Gloucester: a jacket for the Marfan's aorta. <i>Lancet</i> , The, 2004, 364, 1582.	6.3	46

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19	JAS-GAN: Generative Adversarial Network Based Joint Atrium and Scar Segmentations on Unbalanced Atrial Targets. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 103-114.	3.9	46
20	External Aortic Root Support to Prevent Aortic Dilatation in Patients With Marfan Syndrome. <i>Journal of the American College of Cardiology</i> , 2018, 72, 1095-1105.	1.2	44
21	Cardiovascular Magnetic Resonance in Marfan syndrome. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 33.	1.6	43
22	Three-dimensional coronary MR angiography using zonal echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 833-842.	1.9	41
23	Fully automatic segmentation and objective assessment of atrial scars for long-standing persistent atrial fibrillation patients using late gadolinium-enhanced MRI. <i>Medical Physics</i> , 2018, 45, 1562-1576.	1.6	39
24	Histology of a Marfan aorta 4.5 years after personalized external aortic root support. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 48, 502-505.	0.6	34
25	Tumors of the heart. <i>Future Cardiology</i> , 2010, 6, 181-193.	0.5	31
26	Catheter ablation vs electrophysiologically guided thoracoscopic surgical ablation in long-standing persistent atrial fibrillation: The CASA-AF Study. <i>Heart Rhythm</i> , 2017, 14, 1596-1603.	0.3	31
27	Myocarditis detected after COVID-19 recovery. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 131-132.	0.5	26
28	Machine learning of native T1 mapping radiomics for classification of hypertrophic cardiomyopathy phenotypes. <i>Scientific Reports</i> , 2021, 11, 23596.	1.6	19
29	Assessment of Reactive Hyperaemia Using Real Time Zonal Echo-Planar Flow Imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002, 4, 283-287.	1.6	18
30	Effect of personalized external aortic root support on aortic root motion and distension in Marfan syndrome patients. <i>International Journal of Cardiology</i> , 2015, 197, 154-160.	0.8	18
31	Assessment of Pericardial Diseases and Cardiac Masses with Cardiovascular Magnetic Resonance. <i>Progress in Cardiovascular Diseases</i> , 2011, 54, 305-319.	1.6	16
32	Prevalence and Prognostic Significance of Right Ventricular Systolic Dysfunction in Patients Undergoing Transcatheter Aortic Valve Implantation. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, .	1.4	16
33	Cardiovascular changes after transcatheter endovascular stenting of adult aortic coarctation. <i>International Journal of Cardiology</i> , 2011, 149, 157-163.	0.8	13
34	Eosinophilic heart disease: diagnostic and prognostic assessment by cardiac magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 1273-1284.	0.5	13
35	Rapid automatic segmentation of abnormal tissue in late gadolinium enhancement cardiovascular magnetic resonance images for improved management of long-standing persistent atrial fibrillation. <i>BioMedical Engineering OnLine</i> , 2015, 14, 88.	1.3	11
36	Effects of renal denervation on vascular remodelling in patients with heart failure and preserved ejection fraction: A randomised control trial. <i>JRSM Cardiovascular Disease</i> , 2017, 6, 204800401769098.	0.4	7

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37	Catheter Ablation versus Thoracoscopic Surgical Ablation in Long Standing Persistent Atrial Fibrillation (CASA-AF): study protocol for a randomised controlled trial. <i>Trials</i> , 2018, 19, 117.	0.7	7
38	Primary Cardiac Lymphoma: Diagnosis and the Impact of Chemotherapy on Cardiac Structure and Function. <i>Canadian Journal of Cardiology</i> , 2016, 32, 931.e1-931.e3.	0.8	6
39	Unusual Complicated Fungal Endocarditis in a Patient With Vascular Ehlers-Danlos Syndrome. <i>Annals of Thoracic Surgery</i> , 2019, 107, e269-e271.	0.7	6
40	Repaired aortic coarctation in adults—magnetic resonance imaging with velocity mapping shows distortions of anatomy and flow. <i>Cardiology in the Young</i> , 1996, 6, 20-27.	0.4	5
41	Cardiac Decompression by Pericardiectomy for Constrictive Pericarditis: Multimodality Imaging to Identify Patients at Risk for Prolonged Inotropic Support. <i>Journal of Cardiovascular Imaging</i> , 2021, 29, 361.	0.2	5
42	Myocardial deformation assessed by CMR in children after multisystem inflammatory syndrome (MIS-C). <i>International Journal of Cardiology</i> , 2021, 346, 105-106.	0.8	5
43	A cross-sectional imaging study to identify organs at risk of thermal injury during renal artery sympathetic denervation. <i>International Journal of Cardiology</i> , 2015, 197, 235-240.	0.8	4
44	Combined self-learning based single-image super-resolution and dual-tree complex wavelet transform denoising for medical images. , 2016, , .		4
45	Multi-atlas propagation based left atrium segmentation coupled with super-voxel based pulmonary veins delineation in late gadolinium-enhanced cardiac MRI. <i>Proceedings of SPIE</i> , 2017, , .	0.8	4
46	Magnetic Resonance Imaging of Peripheral Vascular Disease. <i>Echocardiography</i> , 1992, 9, 553-577.	0.3	3
47	Transient streamlines: texture synthesis for in vivo flow visualisation. <i>International Journal of Cardiovascular Imaging</i> , 2000, 16, 175-184.	0.2	3
48	Contrast-Enhanced Magnetic Resonance Angiogram of Coronary Artery Bypass Graft Aneurysm. <i>Circulation</i> , 2000, 102, 3148-3148.	1.6	3
49	Automatic extraction of the left atrial anatomy from MR for atrial fibrillation ablation. , 2009, , .		3
50	Metabolically Active Brown Fat Mimicking Pericardial Metastasis on PET/CT: The Discriminating Role of Cardiac Magnetic Resonance Imaging. <i>Canadian Journal of Cardiology</i> , 2016, 32, 1039.e15-1039.e17.	0.8	3
51	Histologically Proven Myocardial Carcinoid Metastases: The Value of Multimodality Imaging. <i>Canadian Journal of Cardiology</i> , 2017, 33, 1336.e9-1336.e12.	0.8	3
52	Diagnostic and Prognostic Value of Cardiovascular Magnetic Resonance in Neuromuscular Cardiomyopathies. <i>Pediatric Cardiology</i> , 2021, , 1.	0.6	3
53	Spontaneous Coronary Artery Dissection: Insights From Cardiac Magnetic Resonance and Extracoronary Arterial Screening. <i>Circulation</i> , 2022, 145, 555-557.	1.6	3
54	Thoracoscopic surgical ablation versus catheter ablation as first-line treatment for long-standing persistent atrial fibrillation: the CASA-AF RCT. <i>Efficacy and Mechanism Evaluation</i> , 2021, 8, 1-122.	0.9	2

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55	Late Stenosis After Repair of Anomalous Pulmonary Venous Drainage and the Value of Cardiovascular Magnetic Resonance for Assessment of This Important Complication. <i>Pediatric Cardiology</i> , 2013, 34, 480-482.	0.6	1
56	Cardiovascular magnetic resonance follow-up of the Marfan's thoracic aorta after personalized external aortic root support surgery. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P116.	1.6	1
57	Assessment of aortic stenosis severity by rest CMR correlates well with stress echocardiography in the setting of low left ventricular flow states. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P264.	1.6	1
58	Personalized Aortic Root Support With Mesh Provides Optimal Valve Conservation. <i>Annals of Thoracic Surgery</i> , 2015, 100, 1509-1510.	0.7	1
59	Aortic Leaflet Stress in Surgery for Genetically Determined Root Aneurysms: Biomechanical Insights. <i>Annals of Thoracic Surgery</i> , 2018, 105, 984.	0.7	1
60	Primary Tumors of the Aorta and Pulmonary Arteries. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2065-2070.	2.3	1
61	A case report of a primary cardiac lymphoma causing superior vena cava obstruction: the value of multimodality imaging in the clinical workup. <i>European Heart Journal - Case Reports</i> , 2020, 4, 1-5.	0.3	1
62	WSS for Predicting BAV Aortopathy Growth. <i>JACC: Cardiovascular Imaging</i> , 2021, 15, 43-43.	2.3	1
63	A 38-year-old man with progressive dyspnoea and ventricular tachycardia. <i>Heart</i> , 2017, 103, 839-839.	1.2	0
64	A crown of thornsâ€”right ventricular outflow tract obstruction caused by calcific pericardial ring. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 83-83.	0.5	0
65	The mysterious needle in the heart: a case report. <i>European Heart Journal - Case Reports</i> , 2020, 4, 1-4.	0.3	0
66	Role of cardiovascular magnetic resonance in an adolescent with a giant intrapericardial mass. <i>Cardiology in the Young</i> , 2020, 30, 1524-1526.	0.4	0
67	The Big Mitral Annulus Calcification (MAC)â€™s Tissue Characterization and Assessment of Haemodynamic Impact Using Cardiac Magnetic Resonance â€™. <i>Circulation Journal</i> , 2021, 85, 315.	0.7	0
68	Differentiation of pre-ablation and post-ablation late gadolinium-enhanced cardiac MRI scans of longstanding persistent atrial fibrillation patients. , 2017, , .		0
69	Editorial title: Cardiovascular Magnetic Resonance for selecting anatomically suitable patients for transcatheter aortic valve implantation: should it be rolled out or ruled out?. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab438.	0.3	0