

Raad H Mohiaddin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

2,115

citations

23

h-index

45

g-index

72

ext. papers

2,554

ext. citations

6.4

avg, IF

4.59

L-index

#	Paper	IF	Citations
66	Asymmetric redirection of flow through the heart. <i>Nature</i> , 2000 , 404, 759-61	50.4	550
65	Multimodality imaging in transcatheter aortic valve implantation and post-procedural aortic regurgitation: comparison among cardiovascular magnetic resonance, cardiac computed tomography, and echocardiography. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 2165-73	15.1	167
64	Role of magnetic resonance angiography in the diagnosis of major aortopulmonary collateral arteries and partial anomalous pulmonary venous drainage. <i>Circulation</i> , 2004 , 109, 207-14	16.7	120
63	Magnetic resonance volume flow and jet velocity mapping in aortic coarctation. <i>Journal of the American College of Cardiology</i> , 1993 , 22, 1515-21	15.1	120
62	Evaluation of algorithms for Multi-Modality Whole Heart Segmentation: An open-access grand challenge. <i>Medical Image Analysis</i> , 2019 , 58, 101537	15.4	106
61	Determination of Clinical Outcome in Mitral Regurgitation With Cardiovascular Magnetic Resonance Quantification. <i>Circulation</i> , 2016 , 133, 2287-96	16.7	98
60	Evidence for Marfan cardiomyopathy. <i>European Journal of Heart Failure</i> , 2010 , 12, 1085-91	12.3	88
59	How We Perform Cardiovascular Magnetic Resonance Flow Assessment Using Phase-Contrast Velocity Mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2005 , 7, 705-716	6.9	78
58	Personalised external aortic root support (PEARS) in Marfan syndrome: analysis of 1-9 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> , 2017 , 103, 868-75	5.1	67
57	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, 1120-7	2.1	56
56	Renal denervation in heart failure with preserved ejection fraction (RDT-PEF): a randomized controlled trial. <i>European Journal of Heart Failure</i> , 2016 , 18, 703-12	12.3	45
55	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	7.5	44
54	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, 360-5	1.8	43
53	SCMR Position Paper (2020) on clinical indications for cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 76	6.9	43
52	Measuring the heart in pulmonary arterial hypertension (PAH): implications for trial study size. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 117-24	5.6	41
51	Three-dimensional coronary MR angiography using zonal echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 833-42	4.4	39
50	The Tailor of Gloucester: a jacket for the Marfan's aorta. <i>Lancet, The</i> , 2004 , 364, 1582	40	36

49	Cardiovascular magnetic resonance in Marfan syndrome. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 33	6.9	34
48	Atrial scar quantification via multi-scale CNN in the graph-cuts framework. <i>Medical Image Analysis</i> , 2020 , 60, 101595	15.4	33
47	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	4.4	32
46	Tumors of the heart. <i>Future Cardiology</i> , 2010 , 6, 181-93	1.3	28
45	Histology of a Marfan aorta 4.5 years after personalized external aortic root support. <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 48, 502-5	3	26
44	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	6.7	23
43	Myocarditis detected after COVID-19 recovery. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 131-132	4.1	20
42	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	15.1	19
41	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, 154-60	3.2	15
40	Assessment of reactive hyperaemia using real time zonal echo-planar flow imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002 , 4, 283-7	6.9	14
39	JAS-GAN: Generative Adversarial Network Based Joint Atrium and Scar Segmentation on Unbalanced Atrial Targets. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , PP,	7.2	14
38	Prevalence and Prognostic Significance of Right Ventricular Systolic Dysfunction in Patients Undergoing Transcatheter Aortic Valve Implantation. <i>Circulation: Cardiovascular Interventions</i> , 2016 , 9,	6	13
37	Cardiovascular changes after transcatheter endovascular stenting of adult aortic coarctation. <i>International Journal of Cardiology</i> , 2011 , 149, 157-163	3.2	13
36	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	9.5	12
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	4.1	9
34	Assessment of pericardial diseases and cardiac masses with cardiovascular magnetic resonance. <i>Progress in Cardiovascular Diseases</i> , 2011 , 54, 305-19	8.5	9
33	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, 2048004017690988	1.1	5
32	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	2.8	5

31	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	1	5
30	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, 235-40	3.2	4
29	Combined self-learning based single-image super-resolution and dual-tree complex wavelet transform denoising for medical images 2016 ,		4
28	Histologically Proven Myocardial Carcinoid Metastases: The Value of Multimodality Imaging. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 1336.e9-1336.e12	3.8	3
27	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.e15-7	3.8	3
26	Primary Cardiac Lymphoma: Diagnosis and the Impact of Chemotherapy on Cardiac Structure and Function. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 931.e1-3	3.8	3
25	Automatic extraction of the left atrial anatomy from MR for atrial fibrillation ablation 2009 ,		3
24	Magnetic resonance imaging of peripheral vascular disease. The state of the artery. <i>Echocardiography</i> , 1992 , 9, 553-77	1.5	3
23	Multi-atlas propagation based left atrium segmentation coupled with super-voxel based pulmonary veins delineation in late gadolinium-enhanced cardiac MRI 2017 ,		3
22	Eosinophilic heart disease: diagnostic and prognostic assessment by cardiac magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1273-1284	4.1	3
21	Unusual Complicated Fungal Endocarditis in a Patient With Vascular Ehlers-Danlos Syndrome. <i>Annals of Thoracic Surgery</i> , 2019 , 107, e269-e271	2.7	3
20	Transient streamlines: texture synthesis for in vivo flow visualisation. <i>International Journal of Cardiovascular Imaging</i> , 2000 , 16, 175-84		2
19	Contrast-enhanced magnetic resonance angiogram of coronary artery bypass graft aneurysm. <i>Circulation</i> , 2000 , 102, 3148	16.7	2
18	Machine learning of native T1 mapping radiomics for classification of hypertrophic cardiomyopathy phenotypes. <i>Scientific Reports</i> , 2021 , 11, 23596	4.9	2
17	Personalized Aortic Root Support With Mesh Provides Optimal Valve Conservation. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 1509-10	2.7	1
16	Aortic Leaflet Stress in Surgery for Genetically Determined Root Aneurysms: Biomechanical Insights. <i>Annals of Thoracic Surgery</i> , 2018 , 105, 984	2.7	1
15	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,	6.9	1
14	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,	6.9	1

13	Myocardial deformation assessed by CMR in children after multisystem inflammatory syndrome (MIS-C). <i>International Journal of Cardiology</i> , 2022 , 346, 105-106	3.2	1
12	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	1.7	1
11	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	0.9	1
10	Primary Tumors of the Aorta and Pulmonary Arteries: Insights From Cardiovascular Magnetic Resonance. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2065-2070	8.4	0
9	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, 361-372	1.3	0
8	Diagnostic and Prognostic Value of Cardiovascular Magnetic Resonance in Neuromuscular Cardiomyopathies. <i>Pediatric Cardiology</i> , 2021 , 1	2.1	0
7	Spontaneous Coronary Artery Dissection: Insights From Cardiac Magnetic Resonance and Extracoronary Arterial Screening.. <i>Circulation</i> , 2022 , 145, 555-557	16.7	0
6	A 38-year-old man with progressive dyspnoea and ventricular tachycardia. <i>Heart</i> , 2017 , 103, 839	5.1	
5	A crown of thorns-right ventricular outflow tract obstruction caused by calcific pericardial ring. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 83	4.1	
4	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, 480-2 ^{2.1}		
3	The mysterious needle in the heart: a case report. <i>European Heart Journal - Case Reports</i> , 2020 , 4, 1-4	0.9	
2	Role of cardiovascular magnetic resonance in an adolescent with a giant intrapericardial mass. <i>Cardiology in the Young</i> , 2020 , 30, 1524-1526	1	
1	The Big Mitral Annulus Calcification (MAC) - Tissue Characterization and Assessment of Haemodynamic Impact Using Cardiac Magnetic Resonance. <i>Circulation Journal</i> , 2021 , 85, 315	2.9	