

Tarique Hussain

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

968
citations

430874

18
h-index

477307

29
g-index

60
all docs

60
docs citations

60
times ranked

1358
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional printed models for surgical planning of complex congenital heart defects: an international multicentre study. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 52, 1139-1148.	1.4	191
2	Imaging the adult with congenital heart disease: a multimodality imaging approach” position paper from the EACVI. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1077-1098.	1.2	71
3	Interventional Correction of Sinus Venosus Atrial Septal Defect and Partial Anomalous Pulmonary Venous Drainage. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 275-278.	5.3	45
4	Sinus Venosus Defects. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 921-924.	5.3	37
5	Black Blood Contrast in Cardiovascular MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 61-80.	3.4	35
6	Magnetic resonance imaging catheter stress haemodynamics post-Fontan in hypoplastic left heart syndrome. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 644-651.	1.2	34
7	Three-dimensional Dual-Phase Whole-Heart MR Imaging: Clinical Implications for Congenital Heart Disease. <i>Radiology</i> , 2012, 263, 547-554.	7.3	32
8	Invasive cardiovascular magnetic resonance (iCMR) for diagnostic right and left heart catheterization using an MR-conditional guidewire and passive visualization in congenital heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 20.	3.3	28
9	3D Whole Heart Imaging for Congenital Heart Disease. <i>Frontiers in Pediatrics</i> , 2017, 5, 36.	1.9	27
10	Pressure-volume loop-derived cardiac indices during dobutamine stress: a step towards understanding limitations in cardiac output in children with hypoplastic left heart syndrome. <i>International Journal of Cardiology</i> , 2017, 230, 439-446.	1.7	25
11	Multimodality Noninvasive Imaging in the Monitoring of Pediatric Heart Transplantation. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 859-870.	2.8	25
12	Virtual reality for preoperative planning in large ventricular septal defects. <i>European Heart Journal</i> , 2019, 40, 1092-1092.	2.2	25
13	Arterial stiffening is a heritable trait associated with arterial dilation but not wall thickening: a longitudinal study in the twins UK cohort. <i>European Heart Journal</i> , 2018, 39, 2282-2288.	2.2	24
14	Living the heart in three dimensions: applications of 3D printing in CHD. <i>Cardiology in the Young</i> , 2019, 29, 733-743.	0.8	24
15	Right ventricular morphology and function following stage I palliation with a modified Blalock-Taussig shunt versus a right ventricle-to-pulmonary artery conduit. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 51, 50-57.	1.4	22
16	Improved passive catheter tracking with positive contrast for CMR-guided cardiac catheterization using partial saturation (pSAT). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 60.	3.3	22
17	Whole-heart coronary MR angiography using image-based navigation for the detection of coronary anomalies in adult patients with congenital heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 947-955.	3.4	19
18	Dobutamine stress testing in patients with Fontan circulation augmented by biomechanical modeling. <i>PLoS ONE</i> , 2020, 15, e0229015.	2.5	18

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19	Technical and anatomical factors affecting the size of the branch pulmonary arteries following first-stage Norwood palliation for hypoplastic left heart syndrome. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 20, 631-635.	1.1	17
20	Use of a semi-automated cardiac segmentation tool improves reproducibility and speed of segmentation of contaminated right heart magnetic resonance angiography. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1273-1279.	1.5	17
21	Ventricular function and vascular dimensions after Norwood and hybrid palliation of hypoplastic left heart syndrome. <i>Heart</i> , 2018, 104, 244-252.	2.9	17
22	MRI for Guided Right and Left Heart Cardiac Catheterization: A Prospective Study in Congenital Heart Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1446-1457.	3.4	16
23	Monitoring of cardiovascular physiology augmented by a patient-specific biomechanical model during general anesthesia. A proof of concept study. <i>PLoS ONE</i> , 2020, 15, e0232830.	2.5	15
24	Aortic length measurements for pulse wave velocity calculation: manual 2D vs automated 3D centreline extraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 32.	3.3	14
25	Automated Quantitative Stress Perfusion Cardiac Magnetic Resonance in Pediatric Patients. <i>Frontiers in Pediatrics</i> , 2021, 9, 699497.	1.9	14
26	Patient-specific modeling of right coronary circulation vulnerability post-liver transplant in Alagille's syndrome. <i>PLoS ONE</i> , 2018, 13, e0205829.	2.5	13
27	Retraining Convolutional Neural Networks for Specialized Cardiovascular Imaging Tasks: Lessons from Tetralogy of Fallot. <i>Pediatric Cardiology</i> , 2021, 42, 578-589.	1.3	13
28	Pediatric heterozygous familial hypercholesterolemia patients have locally increased aortic pulse wave velocity and wall thickness at the aortic root. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1903-1911.	1.5	12
29	A clinical combined gadobutrol bolus and slow infusion protocol enabling angiography, inversion recovery whole heart, and late gadolinium enhancement imaging in a single study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 66.	3.3	11
30	Timely Pulmonary Valve Replacement May Allow Preservation of Left Ventricular Circumferential Strain in Patients with Tetralogy of Fallot. <i>Frontiers in Pediatrics</i> , 2017, 5, 39.	1.9	10
31	Exploring kinetic energy as a new marker of cardiac function in the single ventricle circulation. <i>Journal of Applied Physiology</i> , 2018, 125, 889-900.	2.5	10
32	Biomechanical Modeling to Inform Pulmonary Valve Replacement in Tetralogy of Fallot Patients After Complete Repair. <i>Canadian Journal of Cardiology</i> , 2021, 37, 1798-1807.	1.7	10
33	Fick versus flow: a real-time invasive cardiovascular magnetic resonance (iCMR) reproducibility study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 95.	3.3	9
34	Left Ventricular Torsion Obtained Using Equilibrated Warping in Patients with Repaired Tetralogy of Fallot. <i>Pediatric Cardiology</i> , 2021, 42, 1275-1283.	1.3	8
35	NT-proBNP as Marker of Ventricular Dilatation and Pulmonary Regurgitation After Surgical Correction of Tetralogy of Fallot: A MRI Validation Study. <i>Pediatric Cardiology</i> , 2017, 38, 324-331.	1.3	7
36	Lymphatic pathway evaluation in congenital heart disease using 3D whole-heart balanced steady state free precession and T2-weighted cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 16.	3.3	6

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37	Visualization of coronary arteries in paediatric patients using whole-heart coronary magnetic resonance angiography: comparison of image-navigation and the standard approach for respiratory motion compensation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 13.	3.3	5
38	Improved coronary magnetic resonance angiography using gadobenate dimeglumine in pediatric congenital heart disease. <i>Magnetic Resonance Imaging</i> , 2018, 49, 47-54.	1.8	4
39	Pre-procedural CT imaging aids neonatal PDA stenting for ductal-dependent pulmonary blood flow with reduction in overall procedural morbidity. <i>Cardiology in the Young</i> , 2022, 32, 1401-1406.	0.8	4
40	Prediction of Ventricular Mechanics After Pulmonary Valve Replacement in Tetralogy of Fallot by Biomechanical Modeling: A Step Towards Precision Healthcare. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3339-3348.	2.5	4
41	Role of Cross-Sectional Imaging in Pediatric Interventional Cardiac Catheterization. <i>Children</i> , 2022, 9, 300.	1.5	4
42	Creating three dimensional models of the right ventricular outflow tract: influence of contrast, sequence, operator, and threshold. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 2067-2076.	1.5	3
43	Real-World Experience Measurement of Liver Iron Concentration by R2 vs. R2 Star MRI in Hemoglobinopathies. <i>Diagnostics</i> , 2020, 10, 768.	2.6	3
44	Fully automated segmentation of the right ventricle in patients with repaired Tetralogy of Fallot using U-Net. , 2020, 11317, .		3
45	Timeâ€Synchronization of Interventional Cardiovascular Magnetic Resonance Data Using a Biomechanical Model for Pressureâ€Volume Loop Analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2023, 57, 320-323.	3.4	3
46	Combined coronary lumen and vessel wall magnetic resonance imaging with i-T2prep: influence of nitroglycerin. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 77-82.	1.5	2
47	Chronic Occlusion of the Superior Vena Cava Resulting in Cyanosis in an Adult. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, e002163.	3.9	2
48	Feasibility of real-time cine cardiac magnetic resonance imaging to predict the presence of significant retrosternal adhesions prior to redo-sternotomy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 67.	3.3	2
49	Unlocking the Non-invasive Assessment of Conduit and Reservoir Function in the Aorta. <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 1075-1085.	2.4	2
50	Second stage of hybrid pathway: Have we reached a conclusion?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1205-1206.	0.8	1
51	Model-Assisted Time-Synchronization of Cardiac MR Image and Catheter Pressure Data. <i>Lecture Notes in Computer Science</i> , 2021, , 362-372.	1.3	1
52	Cardiac Modeling for Multisystem Inflammatory Syndrome in Children (MIS-C, PIMS-TS). <i>Lecture Notes in Computer Science</i> , 2021, , 435-446.	1.3	1
53	Velocity encoded mitral valve inflow cine: A novel and more reproducible method to determine cardiac rest periods during coronary magnetic resonance angiography. <i>JRSM Cardiovascular Disease</i> , 2022, 11, 204800402210875.	0.7	1
54	Commentary: Are we there yet?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 203-204.	0.8	0

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55	Title is missing!. , 2020, 15, e0232830.		0
56	Title is missing!. , 2020, 15, e0232830.		0
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58	Title is missing!.. , 2020, 15, e0232830.		0