

Ryan Avery

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

300
citations

1163117

8
h-index

940533

16
g-index

33
all docs

33
docs citations

33
times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully automated 3D aortic segmentation of 4D flow MRI for hemodynamic analysis using deep learning. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2204-2218.	3.0	94
2	Association of Regional Wall Shear Stress and Progressive Ascending Aorta Dilatation in Bicuspid Aortic Valve. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 33-42.	5.3	37
3	Highly accelerated aortic 4D flow MRI using compressed sensing: Performance at different acceleration factors in patients with aortic disease. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2174-2187.	3.0	18
4	Evaluation of Pulmonary Hypertension Using 4D Flow MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 234-245.	3.4	18
5	Anti-inflammatory properties of amniotic membrane patch following pericardiectomy for constrictive pericarditis. <i>Journal of Cardiothoracic Surgery</i> , 2017, 12, 6.	1.1	15
6	First in Man: Amniotic Patch Reduces Postoperative Inflammation. <i>American Journal of Medicine</i> , 2015, 128, e5-e6.	1.5	12
7	Translation of First North American 50 and 70 cc Total Artificial Heart Virtual and Clinical Implantations: Utility of 3D Computed Tomography to Test Fit Devices. <i>Artificial Organs</i> , 2017, 41, 727-734.	1.9	12
8	Evaluation of an Objective Striatal Analysis Program for Determining Laterality in Uptake of 123I-iodoflupane SPECT Images: Comparison to Clinical Symptoms and to Visual Reads. <i>Journal of Nuclear Medicine Technology</i> , 2014, 42, 105-108.	0.8	11
9	Deep learning-based velocity antialiasing of 4D flow MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 449-463.	3.0	9
10	Clinical outcomes meta-analysis: measuring subendocardial perfusion and efficacy of transmyocardial laser revascularization with nuclear imaging. <i>Journal of Cardiothoracic Surgery</i> , 2017, 12, 37.	1.1	7
11	Rapid Reconstruction of Four-dimensional MR Angiography of the Thoracic Aorta Using a Convolutional Neural Network. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190205.	2.5	7
12	Minimally invasive insertion of off-pump central extracorporeal membrane oxygenation. <i>Journal of Cardiac Surgery</i> , 2017, 32, 738-740.	0.7	6
13	Direct mitral regurgitation quantification in hypertrophic cardiomyopathy using 4D flow CMR jet tracking: evaluation in comparison to conventional CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 138.	3.3	6
14	4D flow MRI derived aortic hemodynamics multi-year follow-up in repaired coarctation with bicuspid aortic valve. <i>Diagnostic and Interventional Imaging</i> , 2022, 103, 418-426.	3.2	6
15	Right ventricular functional analysis utilizing first pass radionuclide angiography for pre-operative ventricular assist device planning: a multi-modality comparison. <i>Journal of Cardiothoracic Surgery</i> , 2017, 12, 89.	1.1	5
16	Accelerated 3D Left Atrial Late Gadolinium Enhancement in Patients with Atrial Fibrillation at 1.5 T: Technical Development. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e200134.	2.5	5
17	Evaluation of Renal Allograft Vasculature Using Non-contrast 3D Inversion Recovery Balanced Steady-state Free Precession MRA and 2D Quiescent-interval Slice-selective MRA. <i>Exploratory Research and Hypothesis in Medicine</i> , 2021, 000, 000-000.	0.4	4
18	Adverse effects of immune checkpoint inhibitor therapies on right ventricular function and pulmonary arterial dilatation. <i>Pulmonary Circulation</i> , 2021, 11, 1-5.	1.7	4

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19	Cardiac Magnetic Resonance Imaging Feature Tracking Demonstrates Altered Biventricular Strain in Obese Subjects in the Absence of Clinically Apparent Cardiovascular Disease. <i>Journal of Thoracic Imaging</i> , 2022, 37, W1-W2.	1.5	4
20	Segmentation of the right ventricle in four chamber cine cardiac MR images using polar dynamic programming. <i>Computerized Medical Imaging and Graphics</i> , 2017, 62, 15-25.	5.8	3
21	A multi-band double-inversion radial fast spin-echo technique for T2 cardiovascular magnetic resonance mapping of the heart. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 49.	3.3	3
22	4D flow MRI left atrial kinetic energy in hypertrophic cardiomyopathy is associated with mitral regurgitation and left ventricular outflow tract obstruction. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 2755-2765.	1.5	3
23	Preoperative Risk Stratification of Right Ventricular Function Utilizing Cardiac Magnetic Resonance Imaging Compared With Echocardiographic and Hemodynamic Parameters. <i>ASAIO Journal</i> , 2020, 66, 547-552.	1.6	2
24	A Case of Rapidly Progressing Granulomatous Myocarditis. <i>Circulation: Heart Failure</i> , 2021, 14, e007800.	3.9	2
25	Cardiac MRI for Evaluation of Right Heart Function before and after Catheter-directed Therapy in Submassive Pulmonary Embolism: A Prospective Study of Feasibility and Potential Utility. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e210217.	2.5	2
26	Tissue Expander as a Routine Component of 50cc Total Artificial Heart Implantation for Bridge to Transplant. <i>Circulation: Heart Failure</i> , 2017, 10, e003765.	3.9	1
27	Multimodal imaging of a giant left ventricular basal aneurysm and resulting intracardiac flow disturbances. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1050-1050.	1.2	1
28	Complete Regional Absence of Vasa Vasorum in an Ascending Aortic Aneurysm. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012312.	2.6	1
29	Free-breathing gradient recalled echo-based CMR in a swine heart failure model. <i>Scientific Reports</i> , 2022, 12, 3698.	3.3	1
30	<sc>MRA</sc> of the Supraaortic Vasculature: Comparison of Gadobutrol and Gadoterate Meglumine at 1.5 T. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 440-449.	3.4	1
31	Multimodal Presurgical Evaluation of Medically Refractory Focal Epilepsy in Adults: An Update for Radiologists. <i>American Journal of Roentgenology</i> , 2022, , .	2.2	0