

Michael B Scott

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

517
citations

840776

11
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

756
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Aortic Pulse Wave Velocity is Unchanged in Bicuspid Aortopathy With Normal Valve Function but Elevated in Patients With Aortic Valve Stenosis: Insights From a 4D Flow MRI Study of 597 Subjects. <i>Journal of Magnetic Resonance Imaging</i> , 2023, 57, 126-136.	3.4	4
2	Association of Regional Wall Shear Stress and Progressive Ascending Aorta Dilation in Bicuspid Aortic Valve. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 33-42.	5.3	37
3	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
4	Segmentation of the Aorta and Pulmonary Arteries Based on 4D Flow MRI in the Pediatric Setting Using Fully Automated Multi-Site, Multi-Vendor, and Multi-Label Dense U-Net. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1666-1680.	3.4	12
5	Aortic Pulse Wave Velocity Evaluated by 4D Flow MRI Across the Adult Lifespan. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 464-473.	3.4	10
6	Deep learning-based velocity antialiasing of 4D flow MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 449-463.	3.0	9
7	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
8	Chest radiograph at admission predicts early intubation among inpatient COVID-19 patients. <i>European Radiology</i> , 2021, 31, 2825-2832.	4.5	27
9	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
10	Renin Angiotensin System Inhibitors Reduce Aortic Stiffness and Flow Reversal After a Cryptogenic Stroke. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 213-221.	3.4	2
11	Investigation of Aortic Wall Thickness, Stiffness and Flow Reversal in Patients With Cryptogenic Stroke: A 4D Flow MRI Study. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 942-952.	3.4	17
12	Four-Dimensional Magnetic Resonance After Ross Procedure for Unicuspid Aortic Valve. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e011500.	2.6	1
13	Effect of age and sex on fully automated deep learning assessment of left ventricular function, volumes, and contours in cardiac magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 3539-3547.	1.5	2
14	Divergence-Free Constrained Phase Unwrapping and Denoising for 4D Flow MRI Using Weighted Least-Squares. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3389-3399.	8.9	5
15	Valvular regurgitation flow jet assessment using in vitro 4D flow MRI: Implication for mitral regurgitation. <i>Magnetic Resonance in Medicine</i> , 2021, , .	3.0	3
16	Differential Contributions of Actin and Myosin to the Physical Phenotypes and Invasion of Pancreatic Cancer Cells. <i>Cellular and Molecular Bioengineering</i> , 2020, 13, 27-44.	2.1	13
17	Four-dimensional Flow Magnetic Resonance Imaging Quantification of Blood Flow in Bicuspid Aortic Valve. <i>Journal of Thoracic Imaging</i> , 2020, Publish Ahead of Print, 383-388.	1.5	7
18	Impact of age, sex, and global function on normal aortic hemodynamics. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2088-2102.	3.0	15

#	ARTICLE	IF	CITATIONS
19	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
20	Visual analysis of regional myocardial motion anomalies in longitudinal studies. <i>Computers and Graphics</i> , 2019, 83, 62-76.	2.5	6
21	Four-dimensional Virtual Catheter: Noninvasive Assessment of Intra-aortic Hemodynamics in Bicuspid Aortic Valve Disease. <i>Radiology</i> , 2019, 293, 541-550.	7.3	21
22	Interval changes in aortic peak velocity and wall shear stress in patients with bicuspid aortic valve disease. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1925-1934.	1.5	19
23	The physical origins of transit time measurements for rapid, single cell mechanotyping. <i>Lab on A Chip</i> , 2016, 16, 3330-3339.	6.0	61
24	Stiffness of pancreatic cancer cells is associated with increased invasive potential. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 1232-1245.	1.3	89
25	Dihydromyricetin Prevents Fetal Alcohol Exposure-Induced Behavioral and Physiological Deficits: The Roles of GABAA Receptors in Adolescence. <i>Neurochemical Research</i> , 2014, 39, 1147-1161.	3.3	35