

Michael B Scott

List of Publications by Year in Descending Order

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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.

19
papers

232
citations

8
h-index

15
g-index

25
ext. papers

381
ext. citations

5.6
avg, IF

2.99
L-index

#	Paper	IF	Citations
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	5.6	1
18	Four-Dimensional Magnetic Resonance After Ross Procedure for Unicuspid Aortic Valve. <i>Circulation: Cardiovascular Imaging</i> , 2021 , 14, e011500	3.9	
17	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	2.5	0
16	Chest radiograph at admission predicts early intubation among inpatient COVID-19 patients. <i>European Radiology</i> , 2021 , 31, 2825-2832	8	13
15	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	7.4	5
14	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	5.6	0
13	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	5.6	5
12	Association of Regional Wall Shear Stress and Progressive Ascending Aorta Dilatation in Bicuspid Aortic Valve. <i>JACC: Cardiovascular Imaging</i> , 2021 ,	8.4	4
11	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	11.7	0
10	Impact of age, sex, and global function on normal aortic hemodynamics. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 2088-2102	4.4	3
9	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	4.4	35
8	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	3.9	9
7	Four-dimensional Flow Magnetic Resonance Imaging Quantification of Blood Flow in Bicuspid Aortic Valve. <i>Journal of Thoracic Imaging</i> , 2020 , 35, 383-388	5.6	3
6	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	2.5	10
5	Visual analysis of regional myocardial motion anomalies in longitudinal studies. <i>Computers and Graphics</i> , 2019 , 83, 62-76	1.8	2
4	Four-dimensional Virtual Catheter: Noninvasive Assessment of Intra-aortic Hemodynamics in Bicuspid Aortic Valve Disease. <i>Radiology</i> , 2019 , 293, 541-550	20.5	10
3	The physical origins of transit time measurements for rapid, single cell mechanotyping. <i>Lab on A Chip</i> , 2016 , 16, 3330-9	7.2	44

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| 2 | Stiffness of pancreatic cancer cells is associated with increased invasive potential. <i>Integrative Biology (United Kingdom)</i> , 2016 , 8, 1232-1245 | 3.7 | 59 |
| 1 | Dihydromyricetin prevents fetal alcohol exposure-induced behavioral and physiological deficits: the roles of GABAA receptors in adolescence. <i>Neurochemical Research</i> , 2014 , 39, 1147-61 | 4.6 | 29 |