

# Michael B Scott

## List of Publications by Citations

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**Version:** 2024-04-28

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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	Stiffness of pancreatic cancer cells is associated with increased invasive potential. <i>Integrative Biology (United Kingdom)</i> , <b>2016</b> , 8, 1232-1245	3.7	59
18	The physical origins of transit time measurements for rapid, single cell mechanotyping. <i>Lab on A Chip</i> , <b>2016</b> , 16, 3330-9	7.2	44
17	Fully automated 3D aortic segmentation of 4D flow MRI for hemodynamic analysis using deep learning. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 2204-2218	4.4	35
16	Dihydromyricetin prevents fetal alcohol exposure-induced behavioral and physiological deficits: the roles of GABAA receptors in adolescence. <i>Neurochemical Research</i> , <b>2014</b> , 39, 1147-61	4.6	29
15	Chest radiograph at admission predicts early intubation among inpatient COVID-19 patients. <i>European Radiology</i> , <b>2021</b> , 31, 2825-2832	8	13
14	Interval changes in aortic peak velocity and wall shear stress in patients with bicuspid aortic valve disease. <i>International Journal of Cardiovascular Imaging</i> , <b>2019</b> , 35, 1925-1934	2.5	10
13	Four-dimensional Virtual Catheter: Noninvasive Assessment of Intra-aortic Hemodynamics in Bicuspid Aortic Valve Disease. <i>Radiology</i> , <b>2019</b> , 293, 541-550	20.5	10
12	Differential Contributions of Actin and Myosin to the Physical Phenotypes and Invasion of Pancreatic Cancer Cells. <i>Cellular and Molecular Bioengineering</i> , <b>2020</b> , 13, 27-44	3.9	9
11	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> , <b>2021</b> , 85, 2174-2187	4.4	5
10	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> , <b>2021</b> , 53, 942-952	5.6	5
9	Association of Regional Wall Shear Stress and Progressive Ascending Aorta Dilatation in Bicuspid Aortic Valve. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> ,	8.4	4
8	Impact of age, sex, and global function on normal aortic hemodynamics. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 2088-2102	4.4	3
7	Four-dimensional Flow Magnetic Resonance Imaging Quantification of Blood Flow in Bicuspid Aortic Valve. <i>Journal of Thoracic Imaging</i> , <b>2020</b> , 35, 383-388	5.6	3
6	Visual analysis of regional myocardial motion anomalies in longitudinal studies. <i>Computers and Graphics</i> , <b>2019</b> , 83, 62-76	1.8	2
5	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> , <b>2022</b> , 37, W1-W2	5.6	1
4	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> , <b>2021</b> , 37, 3539-3547	2.5	0
3	Renin Angiotensin System Inhibitors Reduce Aortic Stiffness and Flow Reversal After a Cryptogenic Stroke. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 53, 213-221	5.6	0

- 2 Divergence-Free Constrained Phase Unwrapping and Denoising for 4D Flow MRI Using Weighted Least-Squares. *IEEE Transactions on Medical Imaging*, **2021**, 40, 3389-3399 11.7 0
- 1 Four-Dimensional Magnetic Resonance After Ross Procedure for Unicuspid Aortic Valve. *Circulation: Cardiovascular Imaging*, **2021**, 14, e011500 3.9