

# Nicholas S Burris

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

970  
citations

516710

16  
h-index

454955

30  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular Deformation Mapping for CT Surveillance of Thoracic Aortic Aneurysm Growth. <i>Radiology</i> , 2022, 302, 218-225.	7.3	7
2	OUP accepted manuscript. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, , .	1.4	1
3	Validation of a robust method for quantification of three-dimensional growth of the thoracic aorta using deformable image registration. <i>Medical Physics</i> , 2022, 49, 2514-2530.	3.0	4
4	Blood Flow Patterns of Risk in Aortic Dissection. <i>Journal of the American College of Cardiology</i> , 2022, 79, 2428-2430.	2.8	1
5	Type A Aortic Dissection With Cerebral Malperfusion: New Insights. <i>Annals of Thoracic Surgery</i> , 2021, 112, 501-509.	1.3	17
6	Endovascular ascending aortic repair in type A dissection: A systematic review. <i>Journal of Cardiac Surgery</i> , 2021, 36, 268-279.	0.7	18
7	Non-invasive estimation of relative pressure for intracardiac flows using virtual work-energy. <i>Medical Image Analysis</i> , 2021, 68, 101948.	11.6	16
8	A deformable image registration based method to assess directionality of thoracic aortic aneurysm growth. , 2021, , .		2
9	Imaging surveillance after open aortic repair: a feasibility study of three-dimensional growth mapping. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 60, 651-659.	1.4	5
10	False lumen enhancement characteristics on computed tomography angiography predict risk of aneurysm formation in acute type B aortic dissection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 33, 434-441.	1.1	0
11	False lumen pressure estimation in type B aortic dissection using 4D flow cardiovascular magnetic resonance: comparisons with aortic growth. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 51.	3.3	29
12	Vascular Deformation Mapping of Abdominal Aortic Aneurysm. <i>Tomography</i> , 2021, 7, 189-201.	1.8	3
13	Noninvasive Morphologic and Hemodynamic Evaluation of Type B Aortic Dissection: State of the Art and Future Perspectives. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e200456.	2.5	14
14	Comparative Study of Human and Murine Aortic Biomechanics and Hemodynamics in Vascular Aging. <i>Frontiers in Physiology</i> , 2021, 12, 746796.	2.8	10
15	Entry Tear Dominance at CT Angiography Predicts Long-term Clinical Outcomes in Aortic Dissection: Another Piece of the Puzzle. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e210271.	2.5	2
16	Altered Aortic Hemodynamics and Relative Pressure in Patients with Dilated Cardiomyopathy. <i>Journal of Cardiovascular Translational Research</i> , 2021, , 1.	2.4	4
17	Reply to Marrocco-Trischitta and Romarowski. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 197-198.	1.4	0
18	False lumen ejection fraction predicts growth in type B aortic dissection: preliminary results. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 896-903.	1.4	40

#	ARTICLE	IF	CITATIONS
19	Imaging Thoracic Aortic Aneurysm. Radiologic Clinics of North America, 2020, 58, 721-731.	1.8	12
20	Critical appraisal of multidimensional CT measurements following acute open repair of type A aortic dissection. Journal of Cardiac Surgery, 2020, 35, 634-644.	0.7	5
21	Mapping pre-dissection aortic wall abnormalities: a multiparametric assessment. European Journal of Cardio-thoracic Surgery, 2020, 57, 1061-1067.	1.4	5
22	Detection and Hemodynamic Evaluation of Flap Fenestrations in Type B Aortic Dissection with 4D Flow MRI: Comparison with Conventional MRI and CT Angiography. Radiology: Cardiothoracic Imaging, 2019, 1, e180009.	2.5	34
23	Four-Dimensional Flow Magnetic Resonance Imaging in Cardiothoracic Imaging. Advances in Clinical Radiology, 2019, 1, 43-54.	0.2	0
24	Optimal Use of the Third Dimension in CT Assessment of Type A Aortic Dissection: Implications for Endovascular Repair. European Journal of Vascular and Endovascular Surgery, 2019, 58, e489-e490.	1.5	0
25	Retrograde flow in the false lumen: Marker of a false lumen under stress?. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 488-491.	0.8	29
26	Ascending aortic rupture after zone 2 endovascular repair: a multiparametric computational analysis. European Journal of Cardio-thoracic Surgery, 2019, 56, 618-621.	1.4	12
27	4D flow image quality with blood pool contrast: a comparison of gadofosveset trisodium and ferumoxytol. International Journal of Cardiovascular Imaging, 2018, 34, 273-279.	1.5	9
28	Three-Dimensional Growth Analysis of Thoracic Aortic Aneurysm With Vascular Deformation Mapping. Circulation: Cardiovascular Imaging, 2018, 11, e008045.	2.6	10
29	Feature Tracking Cardiac MRI Reveals Abnormalities in Ventricular Function in Patients With Bicuspid Aortic Valve and Preserved Ejection Fraction. Tomography, 2018, 4, 26-32.	1.8	12
30	Vascular Deformation Mapping (VDM) of thoracic aortic aneurysm: an application for color 3D printing in aortic disease. Annals of Translational Medicine, 2018, 6, S123-S123.	1.7	4
31	Evolving treatment options for valve and aortic disease with bicuspid aortic valve. Annals of Translational Medicine, 2017, 5, 333-333.	1.7	0
32	Vascular Deformation Mapping (VDM) of Thoracic Aortic Enlargement in Aneurysmal Disease and Dissection. Tomography, 2017, 3, 163-173.	1.8	22
33	Detection of Small Pulmonary Nodules with Ultrashort Echo Time Sequences in Oncology Patients by Using a PET/MR System. Radiology, 2016, 278, 239-246.	7.3	124
34	Ascending Aortic Stiffness with Bicuspid Aortic Valve is Variable and Not Predicted by Conventional Parameters in Young Patients. Journal of Heart Valve Disease, 2016, 25, 270-280.	0.5	3
35	Aortic stiffness with bicuspid aortic valve is variable and not predicted by conventional parameters in young patients. Journal of Cardiovascular Magnetic Resonance, 2015, 17, Q80.	3.3	3
36	Bicuspid Valve-Related Aortic Disease. Academic Radiology, 2015, 22, 690-696.	2.5	21

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37	4D Flow MRI Applications for Aortic Disease. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2015, 23, 15-23.	1.1	58
38	Systolic Flow Displacement Correlates With Future Ascending Aortic Growth in Patients With Bicuspid Aortic Valves Undergoing Magnetic Resonance Surveillance. <i>Investigative Radiology</i> , 2014, 49, 635-639.	6.2	45
39	Intraoperative detection of intimal lipid in the radial artery predicts degree of postoperative spasm. <i>Atherosclerosis</i> , 2009, 205, 466-471.	0.8	7
40	Simultaneous hybrid coronary revascularization reduces postoperative morbidity compared with results from conventional off-pump coronary artery bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 135, 367-375.	0.8	163
41	Harmonic scalpel versus electrocautery for harvest of radial artery conduits: Reduced risk of spasm and intimal injury on optical coherence tomography. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 136, 1302-1308.	0.8	19
42	Optical Coherence Tomography Imaging as a Quality Assurance Tool for Evaluating Endoscopic Harvest of the Radial Artery. <i>Annals of Thoracic Surgery</i> , 2008, 85, 1271-1277.	1.3	24
43	Is Aprotinin Safe to Use in a Cohort at Increased Risk for Thrombotic Events: Results From a Randomized, Prospective Trial in Off-Pump Coronary Artery Bypass. <i>Annals of Thoracic Surgery</i> , 2008, 86, 815-822.	1.3	8
44	Warm ischemia provokes inflammation and regional hypercoagulability within the heart during off-pump coronary artery bypass: a possible target for serine protease inhibition. <i>European Journal of Cardio-thoracic Surgery</i> , 2008, 33, 215-221.	1.4	15
45	Thinking inside the graft: applications of optical coherence tomography in coronary artery bypass grafting. <i>Journal of Biomedical Optics</i> , 2007, 12, 051704.	2.6	29
46	The Role of Preexisting Pathology in the Development of Neointimal Hyperplasia in Coronary Artery Bypass Grafts. <i>Journal of Surgical Research</i> , 2007, 142, 351-356.	1.6	7
47	Catheter-based infrared light scanner as a tool to assess conduit quality in coronary artery bypass surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 133, 419-427.	0.8	34
48	Strategies to reduce intraluminal clot formation in endoscopically harvested saphenous veins. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 134, 1259-1265.	0.8	68
49	Incidence of Residual Clot Strands in Saphenous Vein Grafts after Endoscopic Harvest. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2006, 1, 323-327.	0.9	1
50	Incidence of Residual Clot Strands in Saphenous Vein Grafts after Endoscopic Harvest. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2006, 1, 323-327.	0.9	14