

# 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	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
2	Detection of Small Pulmonary Nodules with Ultrashort Echo Time Sequences in Oncology Patients by Using a PET/MR System. <i>Radiology</i> , 2016, 278, 239-246.	7.3	124
3	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
4	4D Flow MRI Applications for Aortic Disease. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2015, 23, 15-23.	1.1	58
5	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
6	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
7	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
8	Detection and Hemodynamic Evaluation of Flap Fenestrations in Type B Aortic Dissection with 4D Flow MRI: Comparison with Conventional MRI and CT Angiography. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e180009.	2.5	34
9	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
10	Retrograde flow in the false lumen: Marker of a false lumen under stress?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 488-491.	0.8	29
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	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
13	Vascular Deformation Mapping (VDM) of Thoracic Aortic Enlargement in Aneurysmal Disease and Dissection. <i>Tomography</i> , 2017, 3, 163-173.	1.8	22
14	Bicuspid Valve-Related Aortic Disease. <i>Academic Radiology</i> , 2015, 22, 690-696.	2.5	21
15	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
16	Endovascular ascending aortic repair in type A dissection: A systematic review. <i>Journal of Cardiac Surgery</i> , 2021, 36, 268-279.	0.7	18
17	Type A Aortic Dissection With Cerebral Malperfusion: New Insights. <i>Annals of Thoracic Surgery</i> , 2021, 112, 501-509.	1.3	17
18	Non-invasive estimation of relative pressure for intracardiac flows using virtual work-energy. <i>Medical Image Analysis</i> , 2021, 68, 101948.	11.6	16

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19	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
20	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
21	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
22	Ascending aortic rupture after zone 2 endovascular repair: a multiparametric computational analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 56, 618-621.	1.4	12
23	Imaging Thoracic Aortic Aneurysm. <i>Radiologic Clinics of North America</i> , 2020, 58, 721-731.	1.8	12
24	Feature Tracking Cardiac MRI Reveals Abnormalities in Ventricular Function in Patients With Bicuspid Aortic Valve and Preserved Ejection Fraction. <i>Tomography</i> , 2018, 4, 26-32.	1.8	12
25	Three-Dimensional Growth Analysis of Thoracic Aortic Aneurysm With Vascular Deformation Mapping. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e008045.	2.6	10
26	Comparative Study of Human and Murine Aortic Biomechanics and Hemodynamics in Vascular Aging. <i>Frontiers in Physiology</i> , 2021, 12, 746796.	2.8	10
27	4D flow image quality with blood pool contrast: a comparison of gadofosveset trisodium and ferumoxytol. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 273-279.	1.5	9
28	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
29	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
30	Intraoperative detection of intimal lipid in the radial artery predicts degree of postoperative spasm. <i>Atherosclerosis</i> , 2009, 205, 466-471.	0.8	7
31	Vascular Deformation Mapping for CT Surveillance of Thoracic Aortic Aneurysm Growth. <i>Radiology</i> , 2022, 302, 218-225.	7.3	7
32	Critical appraisal of multidimensional CT measurements following acute open repair of type A aortic dissection. <i>Journal of Cardiac Surgery</i> , 2020, 35, 634-644.	0.7	5
33	Mapping pre-dissection aortic wall abnormalities: a multiparametric assessment. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 1061-1067.	1.4	5
34	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
35	Vascular Deformation Mapping (VDM) of thoracic aortic aneurysm: an application for color 3D printing in aortic disease. <i>Annals of Translational Medicine</i> , 2018, 6, S123-S123.	1.7	4
36	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

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37	Altered Aortic Hemodynamics and Relative Pressure in Patients with Dilated Cardiomyopathy. Journal of Cardiovascular Translational Research, 2021, , 1.	2.4	4
38	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
39	Vascular Deformation Mapping of Abdominal Aortic Aneurysm. Tomography, 2021, 7, 189-201.	1.8	3
40	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
41	A deformable image registration based method to assess directionality of thoracic aortic aneurysm growth. , 2021, , .		2
42	Entry Tear Dominance at CT Angiography Predicts Long-term Clinical Outcomes in Aortic Dissection: Another Piece of the Puzzle. Radiology: Cardiothoracic Imaging, 2021, 3, e210271.	2.5	2
43	Incidence of Residual Clot Strands in Saphenous Vein Grafts after Endoscopic Harvest. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2006, 1, 323-327.	0.9	1
44	OUP accepted manuscript. European Journal of Cardio-thoracic Surgery, 2022, , .	1.4	1
45	Blood Flow Patterns of Risk in Aortic Dissection. Journal of the American College of Cardiology, 2022, 79, 2428-2430.	2.8	1
46	Evolving treatment options for valve and aortic disease with bicuspid aortic valve. Annals of Translational Medicine, 2017, 5, 333-333.	1.7	0
47	Four-Dimensional Flow Magnetic Resonance Imaging in Cardiothoracic Imaging. Advances in Clinical Radiology, 2019, 1, 43-54.	0.2	0
48	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
49	Reply to Marrocco-Trischitta and Romarowski. European Journal of Cardio-thoracic Surgery, 2020, 57, 197-198.	1.4	0
50	False lumen enhancement characteristics on computed tomography angiography predict risk of aneurysm formation in acute type B aortic dissection. Interactive Cardiovascular and Thoracic Surgery, 2021, 33, 434-441.	1.1	0