

Edward D Nicol

List of Publications by Year in descending order

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95
papers

2,503
citations

304743

22
h-index

214800

47
g-index

100
all docs

100
docs citations

100
times ranked

2366
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronary Artery Plaque Characteristics Associated With Adverse Outcomes in the SCOT-HEART Study. <i>Journal of the American College of Cardiology</i> , 2019, 73, 291-301.	2.8	367
2	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction. <i>Circulation</i> , 2020, 141, 1452-1462.	1.6	348
3	The Updated NICE Guidelines: Cardiac CT as the First-Line Test for Coronary Artery Disease. <i>Current Cardiovascular Imaging Reports</i> , 2017, 10, 15.	0.6	227
4	SCCT 2021 Expert Consensus Document on Coronary Computed Tomographic Angiography: A Report of the Society of Cardiovascular Computed Tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 192-217.	1.3	149
5	Computed Tomography Imaging in Patients with Congenital Heart Disease Part I: Rationale and Utility. An Expert Consensus Document of the Society of Cardiovascular Computed Tomography (SCCT). <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 475-492.	1.3	142
6	Computed Tomography Imaging in Patients with Congenital Heart Disease, Part 2: Technical Recommendations. An Expert Consensus Document of the Society of Cardiovascular Computed Tomography (SCCT). <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 493-513.	1.3	112
7	Left Atrial Appendage Electrical Isolation and Concomitant Device Occlusion to Treat Persistent Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	4.8	79
8	The Future of Cardiovascular Computed Tomography. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1058-1072.	5.3	61
9	Dysautonomia following COVID-19 is not associated with subjective limitations or symptoms but is associated with objective functional limitations. <i>Heart Rhythm</i> , 2022, 19, 613-620.	0.7	60
10	Image reconstruction: Part 1 “ understanding filtered back projection, noise and image acquisition. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 219-225.	1.3	52
11	Recommendations for accurate CT diagnosis of suspected acute aortic syndrome (AAS) on behalf of the British Society of Cardiovascular Imaging (BSCI)/British Society of Cardiovascular CT (BSCCT). <i>British Journal of Radiology</i> , 2016, 89, 20150705.	2.2	51
12	Challenges in delivering computed tomography coronary angiography as the first-line test for stable chest pain. <i>Heart</i> , 2018, 104, 921-927.	2.9	50
13	Pericoronary Adipose Tissue Attenuation, Low-Attenuation Plaque Burden, and 5-Year Risk of Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 1078-1088.	5.3	46
14	The rationale for the primacy of coronary CT angiography in the National Institute for Health and Care Excellence (NICE) guideline (CG95) for the investigation of chest pain of recent onset. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 516-522.	1.3	45
15	CT imaging for left atrial appendage closure: A review and pictorial essay. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 89-102.	1.3	42
16	Standardized reporting systems for computed tomography coronary angiography and calcium scoring: A real-world validation of CAD-RADS and CAC-DRS in patients with stable chest pain. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 3-11.	1.3	31
17	Sixty-four-slice computed tomography coronary angiography compared with myocardial perfusion scintigraphy for the diagnosis of functionally significant coronary stenoses in patients with a low to intermediate likelihood of coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2008, 15, 311-318.	2.1	29
18	Prevalence of Thrombotic Complications in ICU-Treated Patients With Coronavirus Disease 2019 Detected With Systematic CT Scanning. <i>Critical Care Medicine</i> , 2021, 49, 804-815.	0.9	29

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19	Sex-Specific Computed Tomography Coronary Plaque Characterization and Risk of Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1804-1814.	5.3	28
20	A single, comprehensive non-invasive cardiovascular assessment in pulmonary arterial hypertension: Combined computed tomography pulmonary and coronary angiography. <i>International Journal of Cardiology</i> , 2009, 136, 278-288.	1.7	27
21	Clinical and economic consequences of non-cardiac incidental findings detected on cardiovascular computed tomography performed prior to transcatheter aortic valve implantation (TAVI). <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 1435-1446.	1.5	26
22	An introduction to aviation cardiology. <i>Heart</i> , 2019, 105, s3-s8.	2.9	25
23	Assessing aeromedical risk: a three-dimensional risk matrix approach. <i>Heart</i> , 2019, 105, s9-s16.	2.9	24
24	The left atrial appendage in humans: structure, physiology, and pathogenesis. <i>Europace</i> , 2020, 22, 5-18.	1.7	24
25	Complementary role of cardiac CT in the assessment of aortic valve replacement dysfunction. <i>Open Heart</i> , 2016, 3, e000494.	2.3	23
26	The challenge of asymptomatic coronary artery disease in aircrew; detecting plaque before the accident. <i>Heart</i> , 2019, 105, s17-s24.	2.9	18
27	Comparison of 64-slice cardiac computed tomography with myocardial perfusion scintigraphy for assessment of global and regional myocardial function and infarction in patients with low to intermediate likelihood of coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2008, 15, 497-502.	2.1	17
28	Impact of COVID-19 on the imaging diagnosis of cardiac disease in Europe. <i>Open Heart</i> , 2021, 8, e001681.	2.3	17
29	Multi-institution assessment of the use and risk of cardiovascular computed tomography in pediatric patients with congenital heart disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 441-448.	1.3	17
30	Cardiovascular computed tomography imaging for coronary artery disease risk: plaque, flow and fat. <i>Heart</i> , 2022, 108, 1510-1515.	2.9	17
31	The effect of medium-term recovery status after COVID-19 illness on cardiopulmonary exercise capacity in a physically active adult population. <i>Journal of Applied Physiology</i> , 2022, 132, 1525-1535.	2.5	16
32	Management of cardiac conduction abnormalities and arrhythmia in aircrew. <i>Heart</i> , 2019, 105, s38-s49.	2.9	15
33	Coronary atherosclerosis imaging by CT to improve clinical outcomes. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 281-287.	1.3	15
34	Multidetector computed tomography of congenital aortic abnormalities. <i>International Journal of Cardiology</i> , 2014, 172, 537-547.	1.7	13
35	Development of a congenital cardiovascular computed tomography imaging registry: Rationale and implementation. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 263-266.	1.3	12
36	Opportunities and challenges of implementing computed tomography fractional flow reserve into clinical practice. <i>Heart</i> , 2020, 106, 1387-1393.	2.9	12

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37	Left main coronary atresia: A more commonly identified condition after the advent of 64-slice CT coronary angiography?. <i>Journal of Nuclear Cardiology</i> , 2007, 14, 715-718.	2.1	10
38	64-Channel Cardiac Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2009, 33, 161-168.	0.9	10
39	Image reconstruction in cardiovascular CT: Part 2 – Iterative reconstruction; potential and pitfalls. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 3-10.	1.3	10
40	High-resolution non-contrast free-breathing coronary cardiovascular magnetic resonance angiography for detection of coronary artery disease: validation against invasive coronary angiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 26.	3.3	10
41	Management of established coronary artery disease in aircrew without myocardial infarction or revascularisation. <i>Heart</i> , 2019, 105, s25-s30.	2.9	9
42	The Journal of Cardiovascular Computed Tomography: 2020 Year in review. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 180-189.	1.3	9
43	Cardiopulmonary assessment prior to returning to high-hazard occupations post-symptomatic COVID-19 infection: a position statement of the Aviation and Occupational Cardiology Task Force of the European Association of Preventive Cardiology. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 1724-1730.	1.8	9
44	Accuracy of computed tomography in detection of great vessel stenosis or hypoplasia before superior bidirectional cavopulmonary connection: Comparison with cardiac catheterization and surgical findings. <i>Archives of Cardiovascular Diseases</i> , 2019, 112, 12-21.	1.6	8
45	Heart muscle disease management in aircrew. <i>Heart</i> , 2019, 105, s50-s56.	2.9	8
46	Management of established coronary artery disease in aircrew with previous myocardial infarction or revascularisation. <i>Heart</i> , 2019, 105, s31-s37.	2.9	8
47	Pneumopericardium and pneumomediastinum in a passenger on a commercial flight. <i>Aviation, Space, and Environmental Medicine</i> , 2007, 78, 435-9.	0.5	7
48	High-pitch versus conventional cardiovascular CT in patients being assessed for transcatheter aortic valve implantation: a real-world appraisal. <i>Open Heart</i> , 2017, 4, e000626.	2.3	6
49	Device closure for patent foramen ovale following cryptogenic stroke: a survey of current practice in the UK. <i>Open Heart</i> , 2017, 4, e000636.	2.3	6
50	CT imaging prior to transcatheter aortic valve implantation in the UK. <i>Open Heart</i> , 2020, 7, e001233.	2.3	6
51	A 5-Year Review of Atrial Fibrillation in Military Aircrew. <i>Aviation, Space, and Environmental Medicine</i> , 2013, 84, 1249-1254.	0.5	5
52	Assessment of clinical and occupational cardiovascular risk. <i>European Heart Journal</i> , 2019, 40, 2392-2395.	2.2	5
53	The Journal of Cardiovascular Computed Tomography year in review – 2019. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 107-117.	1.3	5
54	The year in cardiovascular medicine 2021: imaging. <i>European Heart Journal</i> , 2022, 43, 1288-1295.	2.2	5

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55	Radiation dose from cardiac investigations: A survey of cardiac nurses'™ knowledge. <i>British Journal of Cardiac Nursing</i> , 2007, 2, 143-149.	0.1	4
56	Healthcare Policy Statement on the Utility of Coronary Computed Tomography for Evaluation of Cardiovascular Conditions and Preventive Healthcare: From the Health Policy Working Group of the Society of Cardiovascular Computed Tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 404-414.	1.3	4
57	The SCOT-HEART trial: cardiac CT to guide patient management and improve outcomes. <i>Cardiovascular Research</i> , 2019, 115, e88-e90.	3.8	4
58	An Introduction to Occupational Cardiology. <i>European Heart Journal</i> , 2019, 40, 2389-2392.	2.2	4
59	Cardiovascular CT: the role of cardiologists. <i>Heart</i> , 2019, 105, 1375-1376.	2.9	4
60	Congenital heart disease in aircrew. <i>Heart</i> , 2019, 105, s64-s69.	2.9	4
61	The impact of age on long QT syndrome. <i>Aging</i> , 2019, 11, 11795-11796.	3.1	4
62	Cardiovascular risk in high-hazard occupations: the role of occupational cardiology. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 702-713.	1.8	4
63	An unusual case of false-positive coronary artery calcium score. <i>Oxford Medical Case Reports</i> , 2016, 2016, 71-72.	0.4	3
64	Technical feasibility and validation of a coronary artery calcium scoring system using CT coronary angiography images. <i>European Radiology</i> , 2016, 26, 1493-1502.	4.5	3
65	Left circumflex coronary artery from the pulmonary artery in scimitar syndrome. <i>Pediatric Radiology</i> , 2018, 48, 632-637.	2.0	3
66	Assessment of patients with stable chest pain. <i>Heart</i> , 2018, 104, 691-699.	2.9	3
67	Non-coronary cardiac surgery and percutaneous cardiology procedures in aircrew. <i>Heart</i> , 2019, 105, s70-s73.	2.9	3
68	Beyond a 'wing and a prayer'™: building the evidence base for aviation cardiology. <i>Heart</i> , 2019, 105, s2-s2.	2.9	3
69	Cardiovascular and Cerebral Responses During a Vasovagal Reaction Without Syncope. <i>Frontiers in Neuroscience</i> , 2019, 13, 1315.	2.8	3
70	Training and education in healthcare leadership: Is it time for a NHS healthcare academy?. <i>Future Hospital Journal</i> , 2014, 1, 33-40.	0.2	3
71	Barriers to doctors successfully delivering leadership in the NHS. <i>Future Hospital Journal</i> , 2016, 3, 21-26.	0.2	3
72	64-Channel Cardiac Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2009, 33, 169-174.	0.9	2

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73	Malignant anomalous left coronary artery associated with acute coronary syndrome and subsequent post-operative secondary stenosis of the reimplanted anomalous left coronary artery. <i>Cardiology in the Young</i> , 2013, 23, 149-153.	0.8	2
74	Pulmonary atresia with double ductus arteriosus. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 463-465.	1.3	2
75	The clinical, occupational and financial outcomes associated with a bespoke specialist clinic for military aircrew—a cohort study. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2016, 109, 309-317.	0.5	2
76	Cardiac CT: Global Use and Comparison of International Guidelines. <i>Current Cardiovascular Imaging Reports</i> , 2018, 11, 1.	0.6	2
77	Contemporaneous management of valvular heart disease and aortopathy in aircrew. <i>Heart</i> , 2019, 105, s57-s63.	2.9	2
78	Following the evidence: The pre-eminent role of coronary CT angiography in 2021. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 285-287.	1.3	2
79	The authors reply. <i>Critical Care Medicine</i> , 2021, Publish Ahead of Print, e1190-e1191.	0.9	2
80	Space: the final frontier?. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 1396-1398.	1.8	2
81	Cardiac MRI improves cardiovascular risk stratification in hazardous occupations. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 48.	3.3	1
82	Clinical occupational assessment pre- and post-cardiac surgery. <i>European Heart Journal</i> , 2019, 40, 3283-3286.	2.2	1
83	Occupational Cardiology: The need for a 21st century sub-specialty?. <i>European Heart Journal</i> , 2019, 40, 3878-3881.	2.2	1
84	Are conflict of interest declarations appropriate to allow sufficient consideration of potential bias in presentations?. <i>Future Healthcare Journal</i> , 2020, 7, 226-229.	1.4	1
85	CT multivessel aggregate stenosis score: A novel point-of-care tool for predicting major adverse cardiac events. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 350-354.	1.3	1
86	The Journal of cardiovascular computed tomography: A year in review 2021. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, , .	1.3	1
87	A crown of thorns—right ventricular outflow tract obstruction caused by calcific pericardial ring. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 83-83.	1.2	0
88	The role of advanced cardiac imaging in occupational cardiology. <i>European Heart Journal</i> , 2019, 40, 2934-2937.	2.2	0
89	Imaging Biomechanical Endothelial Forces With Coronary Computed Tomography. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1044-1046.	5.3	0
90	The added value of combined cardiopulmonary assessment with CT in distinguishing between cardiac tumours and thrombus. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, e149-e150.	1.3	0

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91	Using FFRCT to Guide Management Strategy in Women. JACC: Cardiovascular Imaging, 2020, 13, 2588-2590.	5.3	0
92	The European Association of Preventive Cardiology Aviation and Occupational Cardiology Task Force. European Heart Journal, 2021, 42, 2030-2033.	2.2	0
93	Editorial comment: Should trainees be the 'eyes and the ears' of both good and bad practice in hospitals?. Future Hospital Journal, 2015, 2, 13-14.	0.2	0
94	Radiologist opinions regarding reporting incidental coronary and cardiac calcification on thoracic CT. BJR Open, 2022, 4, .	0.6	0
95	Coronary artery calcium scoring vs. coronary CT angiography for the assessment of occupationally significant coronary artery disease. Journal of Cardiovascular Computed Tomography, 2022, , .	1.3	0