

Randall C Thompson

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

4,560
citations

172386

29
h-index

102432

66
g-index

101
all docs

101
docs citations

101
times ranked

3988
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation Dose to Patients From Cardiac Diagnostic Imaging. <i>Circulation</i> , 2007, 116, 1290-1305.	1.6	727
2	Atherosclerosis across 4000 years of human history: the Horus study of four ancient populations. <i>Lancet, The</i> , 2013, 381, 1211-1222.	6.3	306
3	Recommendations for reducing radiation exposure in myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2010, 17, 709-718.	1.4	276
4	Coronary atherosclerosis in indigenous South American Tsimane: a cross-sectional cohort study. <i>Lancet, The</i> , 2017, 389, 1730-1739.	6.3	264
5	Single Photon Emission Computed Tomography (SPECT) Myocardial Perfusion Imaging Guidelines: Instrumentation, Acquisition, Processing, and Interpretation. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1784-1846.	1.4	241
6	Technetium-99m sestamibi myocardial perfusion imaging in the emergency room evaluation of chest pain. <i>Journal of the American College of Cardiology</i> , 1994, 23, 1016-1022.	1.2	237
7	Agreement of Visual Estimation of Coronary Artery Calcium From Low-Dose CT Attenuation Correction Scans in Hybrid PET/CT and SPECT/CT With Standard Agatston Score. <i>Journal of the American College of Cardiology</i> , 2010, 56, 1914-1921.	1.2	177
8	Predictors of Quality-of-Life Benefit After Percutaneous Coronary Intervention. <i>Circulation</i> , 2004, 110, 3789-3794.	1.6	157
9	Effect of chronic right ventricular apical pacing on left ventricular function. <i>American Journal of Cardiology</i> , 2005, 95, 771-773.	0.7	118
10	Atherosclerosis in Ancient Egyptian Mummies. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 315-327.	2.3	118
11	Percutaneous transluminal coronary angioplasty in the elderly: Early and long-term results. <i>Journal of the American College of Cardiology</i> , 1991, 17, 1245-1250.	1.2	114
12	Myocardial blood flow reserve assessed by positron emission tomography myocardial perfusion imaging identifies patients with a survival benefit from early revascularization. <i>European Heart Journal</i> , 2020, 41, 759-768.	1.0	111
13	Issues regarding radiation dosage of cardiac nuclear and radiography procedures. <i>Journal of Nuclear Cardiology</i> , 2006, 13, 19-23.	1.4	108
14	Value of attenuation correction on ECG-gated SPECT myocardial perfusion imaging related to body mass index. <i>Journal of Nuclear Cardiology</i> , 2005, 12, 195-202.	1.4	95
15	The RegEx trial: a randomized, double-blind, placebo- and active-controlled pilot study combining regadenoson, a selective A2A adenosine agonist, with low-level exercise, in patients undergoing myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2009, 16, 63-72.	1.4	85
16	Extent of Myocardial Ischemia on Positron Emission Tomography and Survival Benefit With Early Revascularization. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1645-1654.	1.2	80
17	Computed Tomographic Assessment of Atherosclerosis in Ancient Egyptian Mummies. <i>JAMA - Journal of the American Medical Association</i> , 2009, 302, 2091.	3.8	75
18	Diagnostic and clinical benefit of combined coronary calcium and perfusion assessment in patients undergoing PET/CT myocardial perfusion stress imaging. <i>Journal of Nuclear Cardiology</i> , 2010, 17, 188-196.	1.4	60

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19	Magnetic resonance imaging during acute myocardial infarction. American Journal of Cardiology, 1986, 57, 1059-1065.	0.7	56
20	Ninety-day follow-up of patients in the emergency department with chest pain who undergo initial single-photon emission computed tomographic perfusion scintigraphy with technetium 99m-labeled sestamibi. Journal of Nuclear Cardiology, 1996, 3, 308-311.	1.4	56
21	Guidance and best practices for nuclear cardiology laboratories during the coronavirus disease 2019 (COVID-19) pandemic: An Information Statement from ASNC and SNMML. Journal of Nuclear Cardiology, 2020, 27, 1022-1029.	1.4	56
22	Stress Myocardial Perfusion Imaging vs Coronary Computed Tomographic Angiography for Diagnosis of Invasive Vessel-Specific Coronary Physiology. JAMA Cardiology, 2020, 5, 1338.	3.0	55
23	Clinical utility of coronary calcium scoring after nonischemic myocardial perfusion imaging. Journal of Nuclear Cardiology, 2005, 12, 392-400.	1.4	53
24	Association of Coronary Artery Calcification With Hepatic Steatosis in Asymptomatic Individuals. Mayo Clinic Proceedings, 2013, 88, 1259-1265.	1.4	49
25	Voluntary collective isolation as a best response to COVID-19 for indigenous populations? A case study and protocol from the Bolivian Amazon. Lancet, The, 2020, 395, 1727-1734.	6.3	44
26	Relation of Anemia at Discharge to Survival After Acute Coronary Syndromes. American Journal of Cardiology, 2005, 96, 496-499.	0.7	43
27	Technetium pyrophosphate nuclear scintigraphy for cardiac amyloidosis: Imaging at 1 vs 3 hours and planar vs SPECT/CT. Journal of Nuclear Cardiology, 2020, 27, 1802-1807.	1.4	41
28	Diagnosis of Right Atrial Metastatic Melanoma by Transesophageal Echocardiographic-Guided Transvenous Biopsy. Mayo Clinic Proceedings, 1996, 71, 1167-1170.	1.4	35
29	Why Did Ancient People Have Atherosclerosis? From Autopsies to Computed Tomography to Potential Causes. Global Heart, 2014, 9, 229.	0.9	35
30	Effect of caffeine on SPECT myocardial perfusion imaging during regadenoson pharmacologic stress: a prospective, randomized, multicenter study. International Journal of Cardiovascular Imaging, 2014, 30, 979-989.	0.7	30
31	Adriamycin cardiotoxicity and proton nuclear magnetic resonance relaxation properties. American Heart Journal, 1987, 113, 1444-1449.	1.2	29
32	Right-to-Left Shunt Across a Patent Foramen Ovale Caused by Cardiac Tamponade: Diagnosis by Transesophageal Echocardiography. Mayo Clinic Proceedings, 1991, 66, 391-394.	1.4	29
33	Guidance and best practices for reestablishment of non-emergent care in nuclear cardiology laboratories during the coronavirus disease 2019 (COVID-19) pandemic: An information statement from ASNC, IAEA, and SNMML. Journal of Nuclear Cardiology, 2020, 27, 1855-1862.	1.4	28
34	Is atherosclerosis fundamental to human aging? Lessons from ancient mummies. Journal of Cardiology, 2014, 63, 329-334.	0.8	27
35	Atherosclerotic cardiovascular disease in Egyptian women: 1570 BCE–2011 CE. International Journal of Cardiology, 2013, 167, 570-574.	0.8	26
36	Quiescent left atrial myxoma. American Heart Journal, 1994, 127, 1629-1631.	1.2	22

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37	Regadenoson pharmacologic stress for myocardial perfusion imaging: A three-way comparison between regadenoson administered at peak exercise, during walk recovery, or no-exercise. <i>Journal of Nuclear Cardiology</i> , 2013, 20, 214-221.	1.4	21
38	More risk factors, less ischemia, and the relevance of MPI testing. <i>Journal of Nuclear Cardiology</i> , 2015, 22, 552-554.	1.4	21
39	Atherosclerosis in Ancient and Modern Egyptians: The Horus Study. <i>Global Heart</i> , 2014, 9, 197.	0.9	21
40	Cardiac Imaging in the Post-ISCHEMIA Trial Era. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1815-1833.	2.3	21
41	Genomic Correlates of Atherosclerosis in Ancient Humans. <i>Global Heart</i> , 2014, 9, 203.	0.9	20
42	Is coronary calcium scoring too late? Total body arterial calcium burden in patients without known CAD and normal MPI. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1990-1998.	1.4	19
43	Reduction of SPECT MPI Radiation Dose Using Contemporary Protocols and Technology. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 282-283.	2.3	18
44	I-123 MIBG Cardiac Imaging. <i>Journal of Nuclear Cardiology</i> , 2015, 22, 677-685.	1.4	17
45	The EXERRT trial: "EXercise to Regadenoson in Recovery Trial" A phase 3b, open-label, parallel group, randomized, multicenter study to assess regadenoson administration following an inadequate exercise stress test as compared to regadenoson without exercise for myocardial perfusion imaging using a SPECT protocol. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 788-802.	1.4	17
46	Effect of caffeine on SPECT myocardial perfusion imaging during regadenoson pharmacologic stress: Rationale and design of a prospective, randomized, multicenter study. <i>Journal of Nuclear Cardiology</i> , 2011, 18, 73-81.	1.4	16
47	The Orthopedic Diseases of Ancient Egypt. <i>Anatomical Record</i> , 2015, 298, 1036-1046.	0.8	15
48	Computed Tomography for Coronary Artery Calcification Scoring: Mammogram for the Heart. <i>Progress in Cardiovascular Diseases</i> , 2016, 58, 529-536.	1.6	15
49	Serial magnetic resonance imaging in patients following acute myocardial infarction. <i>Magnetic Resonance Imaging</i> , 1991, 9, 155-158.	1.0	14
50	Computed Tomographic Evidence of Atherosclerosis in the Mummified Remains of Humans From Around the World. <i>Global Heart</i> , 2014, 9, 187.	0.9	14
51	Atherosclerosis in mummified human remains from Vilnius, Lithuania (18th-19th centuries AD): A computed tomographic investigation. <i>American Journal of Human Biology</i> , 2014, 26, 676-681.	0.8	13
52	Guidance and Best Practices for Reestablishment of Non-Emergent Care in Nuclear Cardiology Laboratories During the Coronavirus Disease 2019 (COVID-19) Pandemic: An Information Statement from ASNC, IAEA, and SNMMI. <i>Journal of Nuclear Medicine Technology</i> , 2021, 49, 13-18.	0.4	12
53	Streptokinase Therapy for Extensive Venous Thromboses in a Patient With Severe Ulcerative Colitis. <i>Mayo Clinic Proceedings</i> , 1990, 65, 1144-1149.	1.4	11
54	Something Old, Something New" Computed Tomography Studies of the Cardiovascular System in Ancient Egyptian Mummies. <i>The American Heart Hospital Journal</i> , 2010, 8, 10.	0.2	11

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55	The problem of radiotracer abdominal activity in myocardial perfusion imaging studies. <i>Journal of Nuclear Cardiology</i> , 2008, 15, 159-161.	1.4	10
56	Diagnostic Accuracy of CT Coronary Angiography. <i>Cardiology Clinics</i> , 2009, 27, 563-571.	0.9	9
57	Atherosclerosis in 16th-Century Greenlandic Inuit Mummies. <i>JAMA Network Open</i> , 2019, 2, e1918270.	2.8	9
58	Funerary Artifacts, Social Status, and Atherosclerosis in Ancient Peruvian Mummy Bundles. <i>Global Heart</i> , 2014, 9, 219.	0.9	9
59	ASNC's thoughts on the AHA/ACC chest pain guidelines. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 19-23.	1.4	9
60	Implications of the 2021 AHA/ACC/ASE/CHEST/SAEM/SCCT/SCMR Chest Pain Guideline for Cardiovascular Imaging. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 912-926.	2.3	9
61	Review of Radiation Reduction Strategies in Clinical Cardiovascular Imaging. <i>Cardiology in Review</i> , 2012, 20, 139-144.	0.6	8
62	Drivers of radiation dose reduction with myocardial perfusion imaging: A large health system experience. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 785-794.	1.4	8
63	Improved Detection of Silent Cardiac Ischemia With a 12-Lead Portable Microprocessor-Driven Real-Time Time Electrocardiographic Monitor. <i>Mayo Clinic Proceedings</i> , 1995, 70, 434-442.	1.4	7
64	Regadenoson stress in patients with asthma and COPD: A breath of fresh air. <i>Journal of Nuclear Cardiology</i> , 2012, 19, 647-648.	1.4	7
65	Increased intrathoracic and hepatic visceral adipose tissue independently correlates with coronary artery calcification in asymptomatic patients. <i>Journal of Nuclear Cardiology</i> , 2014, 21, 880-889.	1.4	7
66	Temporal trends in test utilization and prevalence of ischaemia with positron emission tomography myocardial perfusion imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 318-325.	0.5	7
67	Guidance and Best Practices for Nuclear Cardiology Laboratories During the COVID-19 Pandemic. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e011761.	1.3	7
68	Relative Prognostic Significance of Positron Emission Tomography Myocardial Perfusion Imaging Markers in Cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012426.	1.3	7
69	Imaging in patients after cardiac transplantation and in patients with ventricular assist devices. <i>Journal of Nuclear Cardiology</i> , 2015, 22, 617-638.	1.4	6
70	123I-MIBG Imaging: Patient Preparation and Technologist's Role. <i>Journal of Nuclear Medicine Technology</i> , 2015, 43, 82-86.	0.4	6
71	CT attenuation correction for thallium SPECT MPI and other benefits of multimodality imaging. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 1596-1598.	1.4	6
72	A Policy Statement on Cardiovascular Test Substitution and Authorization. <i>Journal of the American College of Cardiology</i> , 2021, 78, 1385-1389.	1.2	6

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73	Update on guidance and best practices for nuclear cardiology laboratories during the coronavirus disease 2019 (COVID-19) pandemic: Emphasis on transition to chronic endemic state. An information statement from ASNC, IAEA, and SNMMI. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 2013-2018.	1.4	6
74	Evidence of aortic dissection and Marfan syndrome in a mummy from the Capuchin Catacombs of Palermo, Sicily. <i>International Journal of Paleopathology</i> , 2018, 22, 78-85.	0.8	5
75	Atherosclerosis: A Longue Durée Approach. <i>Global Heart</i> , 2019, 9, 239.	0.9	5
76	Cardiac PET and SPECT During the COVID-19 Pandemic. <i>Seminars in Nuclear Medicine</i> , 2022, 52, 56-60.	2.5	5
77	The Tres Ventanas Mummies of Peru. <i>Anatomical Record</i> , 2015, 298, 1026-1035.	0.8	4
78	Patient centered imaging and the dose of radiopharmaceuticals. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 143-144.	1.4	4
79	Radiological evidence of purulent infections in ancient Egyptian child mummies. <i>International Journal of Paleopathology</i> , 2022, 36, 30-35.	0.8	4
80	Recovery lines in ancient Egyptian child mummies: Computed tomography investigations in European museums. <i>International Journal of Osteoarchaeology</i> , 2022, 32, 682-693.	0.6	4
81	Prognosticating in the Very Elderly. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e008062.	1.3	3
82	Stress myocardial perfusion imaging in patients presenting with syncope: Comparison of PET vs. SPECT. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2895-2906.	1.4	3
83	High prevalence of sternal foramina in indigenous Bolivians compared to Midwest Americans and indigenous North Americans (sternal foramina in indigenous Bolivians). <i>Anatomical Science International</i> , 2021, 96, 517-523.	0.5	3
84	ASNC Statements of Principles on the Issue of Multimodality Imaging. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2456-2457.	1.4	3
85	PET myocardial blood flow is now officially declared ready for prime time (and a little bit about how) $T_j ETQq1 1 0.784314 rgBT /Overl$	1.4	2
86	Cardiac PET reimbursement policy: Success when we come together. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 345-347.	1.4	2
87	Correlation of atherosclerosis and osteoarthritis in ancient Egypt: A standardized evaluation of 45 whole-body CT examinations. <i>International Journal of Paleopathology</i> , 2021, 33, 137-145.	0.8	2
88	Role of Calcium Scoring in the Patient with a Normal SPECT. <i>Current Cardiovascular Imaging Reports</i> , 2012, 5, 173-178.	0.4	1
89	Atherosclerosis in ancient populations – Authors' reply. <i>Lancet, The</i> , 2013, 382, 123-124.	6.3	1
90	Fibromuscular Dysplasia Leading to Spontaneous Coronary Artery Dissection with Sudden Cardiac Arrest. <i>Case Reports in Cardiology</i> , 2015, 2015, 1-4.	0.1	1

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91	Using advanced technology to reduce the dose of SPECT MPI radiation. Journal of Nuclear Cardiology, 2016, 23, 668-669.	1.4	1
92	Striking a balance in the discussion of the benefits of imaging tests and risks of radiation exposure. Journal of Nuclear Cardiology, 2019, 26, 136-137.	1.4	1
93	Minimally invasive bone biopsies of fully wrapped mummies guided by computed tomography and fibre-optic endoscopy: Methods and suggested guidelines. Journal of Archaeological Science: Reports, 2020, 31, 102363.	0.2	1
94	Reasons for discordance between positron emission tomography (PET) myocardial perfusion imaging (MPI) results and subsequent management. Journal of Nuclear Cardiology, 2022, 29, 1109-1116.	1.4	1
95	The Cardiovascular Imaging Community's Response to the COVID-19 Pandemic. JACC: Cardiovascular Imaging, 2021, 14, 1800-1803.	2.3	1
96	Recent clinical trials support continued emphasis on patient-first over modality-first approaches to initial test selection in patients with stable ischemic heart disease. Journal of Nuclear Cardiology, 2023, 30, 1739-1744.	1.4	1
97	Imaging Atherosclerosis in Great Apes. JACC: Cardiovascular Imaging, 2021, 14, 1275-1277.	2.3	0
98	ASNC and the new world of medical education: A glimpse of the future. Journal of Nuclear Cardiology, 2021, 28, 1809-1811.	1.4	0
99	The often-overlooked elements of #PatientFirst imaging: Focus on optimal quality, including up-to-date protocols and equipment. Journal of Nuclear Cardiology, 2021, 28, 3104-3106.	1.4	0
100	Response to: The practicalities of COVID's impact on nuclear cardiology. Journal of Nuclear Cardiology, 2022, 29, 2741.	1.4	0