

Randall C Thompson

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

4,560
citations

172457

29
h-index

102487

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.	13.7	306
3	Recommendations for reducing radiation exposure in myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2010, 17, 709-718.	2.1	276
4	Coronary atherosclerosis in indigenous South American Tsimane: a cross-sectional cohort study. <i>Lancet, The</i> , 2017, 389, 1730-1739.	13.7	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.	2.1	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.	2.8	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.	2.8	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.	1.6	118
10	Atherosclerosis in Ancient Egyptian Mummies. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 315-327.	5.3	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.	2.8	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.	2.2	111
13	Issues regarding radiation dosage of cardiac nuclear and radiography procedures. <i>Journal of Nuclear Cardiology</i> , 2006, 13, 19-23.	2.1	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.	2.1	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.	2.1	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.	2.8	80
17	Computed Tomographic Assessment of Atherosclerosis in Ancient Egyptian Mummies. <i>JAMA - Journal of the American Medical Association</i> , 2009, 302, 2091.	7.4	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.	2.1	60

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19	Magnetic resonance imaging during acute myocardial infarction. <i>American Journal of Cardiology</i> , 1986, 57, 1059-1065.	1.6	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. <i>Journal of Nuclear Cardiology</i> , 1996, 3, 308-311.	2.1	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. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1022-1029.	2.1	56
22	Stress Myocardial Perfusion Imaging vs Coronary Computed Tomographic Angiography for Diagnosis of Invasive Vessel-Specific Coronary Physiology. <i>JAMA Cardiology</i> , 2020, 5, 1338.	6.1	55
23	Clinical utility of coronary calcium scoring after nonischemic myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2005, 12, 392-400.	2.1	53
24	Association of Coronary Artery Calcification With Hepatic Steatosis in Asymptomatic Individuals. <i>Mayo Clinic Proceedings</i> , 2013, 88, 1259-1265.	3.0	49
25	Voluntary collective isolation as a best response to COVID-19 for indigenous populations? A case study and protocol from the Bolivian Amazon. <i>Lancet, The</i> , 2020, 395, 1727-1734.	13.7	44
26	Relation of Anemia at Discharge to Survival After Acute Coronary Syndromes. <i>American Journal of Cardiology</i> , 2005, 96, 496-499.	1.6	43
27	Technetium pyrophosphate nuclear scintigraphy for cardiac amyloidosis: Imaging at 1 vs 3 hours and planar vs SPECT/CT. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1802-1807.	2.1	41
28	Diagnosis of Right Atrial Metastatic Melanoma by Transesophageal Echocardiographic-Guided Transvenous Biopsy. <i>Mayo Clinic Proceedings</i> , 1996, 71, 1167-1170.	3.0	35
29	Why Did Ancient People Have Atherosclerosis? From Autopsies to Computed Tomography to Potential Causes. <i>Global Heart</i> , 2014, 9, 229.	2.3	35
30	Effect of caffeine on SPECT myocardial perfusion imaging during regadenoson pharmacologic stress: a prospective, randomized, multicenter study. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 979-989.	1.5	30
31	Adriamycin cardiotoxicity and proton nuclear magnetic resonance relaxation properties. <i>American Heart Journal</i> , 1987, 113, 1444-1449.	2.7	29
32	Right-to-Left Shunt Across a Patent Foramen Ovale Caused by Cardiac Tamponade: Diagnosis by Transesophageal Echocardiography. <i>Mayo Clinic Proceedings</i> , 1991, 66, 391-394.	3.0	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. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1855-1862.	2.1	28
34	Is atherosclerosis fundamental to human aging? Lessons from ancient mummies. <i>Journal of Cardiology</i> , 2014, 63, 329-334.	1.9	27
35	Atherosclerotic cardiovascular disease in Egyptian women: 1570 BCE–2011 CE. <i>International Journal of Cardiology</i> , 2013, 167, 570-574.	1.7	26
36	Quiescent left atrial myxoma. <i>American Heart Journal</i> , 1994, 127, 1629-1631.	2.7	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.	2.1	21
38	More risk factors, less ischemia, and the relevance of MPI testing. <i>Journal of Nuclear Cardiology</i> , 2015, 22, 552-554.	2.1	21
39	Atherosclerosis in Ancient and Modern Egyptians: The Horus Study. <i>Global Heart</i> , 2014, 9, 197.	2.3	21
40	Cardiac Imaging in the Post-ISCHEMIA Trial Era. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1815-1833.	5.3	21
41	Genomic Correlates of Atherosclerosis in Ancient Humans. <i>Global Heart</i> , 2014, 9, 203.	2.3	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.	2.1	19
43	Reduction of SPECT MPI Radiation Dose Using Contemporary Protocols and Technology. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 282-283.	5.3	18
44	I-123 MIBG Cardiac Imaging. <i>Journal of Nuclear Cardiology</i> , 2015, 22, 677-685.	2.1	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.	2.1	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.	2.1	16
47	The Orthopedic Diseases of Ancient Egypt. <i>Anatomical Record</i> , 2015, 298, 1036-1046.	1.4	15
48	Computed Tomography for Coronary Artery Calcification Scoring: Mammogram for the Heart. <i>Progress in Cardiovascular Diseases</i> , 2016, 58, 529-536.	3.1	15
49	Serial magnetic resonance imaging in patients following acute myocardial infarction. <i>Magnetic Resonance Imaging</i> , 1991, 9, 155-158.	1.8	14
50	Computed Tomographic Evidence of Atherosclerosis in the Mummified Remains of Humans From Around the World. <i>Global Heart</i> , 2014, 9, 187.	2.3	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.	1.6	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.	0.8	12
53	Streptokinase Therapy for Extensive Venous Thromboses in a Patient With Severe Ulcerative Colitis. <i>Mayo Clinic Proceedings</i> , 1990, 65, 1144-1149.	3.0	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.	2.1	10
56	Diagnostic Accuracy of CT Coronary Angiography. <i>Cardiology Clinics</i> , 2009, 27, 563-571.	2.2	9
57	Atherosclerosis in 16th-Century Greenlandic Inuit Mummies. <i>JAMA Network Open</i> , 2019, 2, e1918270.	5.9	9
58	Funerary Artifacts, Social Status, and Atherosclerosis in Ancient Peruvian Mummy Bundles. <i>Global Heart</i> , 2014, 9, 219.	2.3	9
59	ASNC's thoughts on the AHA/ACC chest pain guidelines. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 19-23.	2.1	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.	5.3	9
61	Review of Radiation Reduction Strategies in Clinical Cardiovascular Imaging. <i>Cardiology in Review</i> , 2012, 20, 139-144.	1.4	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.	2.1	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.	3.0	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.	2.1	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.	2.1	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.	1.2	7
67	Guidance and Best Practices for Nuclear Cardiology Laboratories During the COVID-19 Pandemic. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e011761.	2.6	7
68	Relative Prognostic Significance of Positron Emission Tomography Myocardial Perfusion Imaging Markers in Cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012426.	2.6	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.	2.1	6
70	123I-MIBG Imaging: Patient Preparation and Technologist's Role. <i>Journal of Nuclear Medicine Technology</i> , 2015, 43, 82-86.	0.8	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.	2.1	6
72	A Policy Statement on Cardiovascular Test Substitution and Authorization. <i>Journal of the American College of Cardiology</i> , 2021, 78, 1385-1389.	2.8	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.	2.1	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.	1.4	5
75	Atherosclerosis: A Longue Durée Approach. <i>Global Heart</i> , 2019, 9, 239.	2.3	5
76	Cardiac PET and SPECT During the COVID-19 Pandemic. <i>Seminars in Nuclear Medicine</i> , 2022, 52, 56-60.	4.6	5
77	The Tres Ventanas Mummies of Peru. <i>Anatomical Record</i> , 2015, 298, 1026-1035.	1.4	4
78	Patient centered imaging and the dose of radiopharmaceuticals. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 143-144.	2.1	4
79	Radiological evidence of purulent infections in ancient Egyptian child mummies. <i>International Journal of Paleopathology</i> , 2022, 36, 30-35.	1.4	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.	1.2	4
81	Prognosticating in the Very Elderly. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e008062.	2.6	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.	2.1	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.	1.0	3
84	ASNC Statements of Principles on the Issue of Multimodality Imaging. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2456-2457.	2.1	3
85	PET myocardial blood flow is now officially declared ready for prime time (and a little bit about how) $T_j ETQq1 1 0.784314 rgBT /Overl$	2.1	2
86	Cardiac PET reimbursement policy: Success when we come together. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 345-347.	2.1	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.	1.4	2
88	Role of Calcium Scoring in the Patient with a Normal SPECT. <i>Current Cardiovascular Imaging Reports</i> , 2012, 5, 173-178.	0.6	1
89	Atherosclerosis in ancient populations – Authors' reply. <i>Lancet, The</i> , 2013, 382, 123-124.	13.7	1
90	Fibromuscular Dysplasia Leading to Spontaneous Coronary Artery Dissection with Sudden Cardiac Arrest. <i>Case Reports in Cardiology</i> , 2015, 2015, 1-4.	0.2	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.	2.1	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.	2.1	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.	0.5	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.	2.1	1
95	The Cardiovascular Imaging Community's Response to the COVID-19 Pandemic. JACC: Cardiovascular Imaging, 2021, 14, 1800-1803.	5.3	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.	2.1	1
97	Imaging Atherosclerosis in Great Apes. JACC: Cardiovascular Imaging, 2021, 14, 1275-1277.	5.3	0
98	ASNC and the new world of medical education: A glimpse of the future. Journal of Nuclear Cardiology, 2021, 28, 1809-1811.	2.1	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.	2.1	0
100	Response to: The practicalities of COVID's impact on nuclear cardiology. Journal of Nuclear Cardiology, 2022, 29, 2741.	2.1	0