

Arthur J H A Scholte

List of Publications by Year in descending order

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108
papers

3,057
citations

201674

27
h-index

182427

51
g-index

113
all docs

113
docs citations

113
times ranked

3964
citing authors

#	ARTICLE	IF	CITATIONS
1	Prognostic Value of Multislice Computed Tomography and Gated Single-Photon Emission Computed Tomography in Patients With Suspected Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2009, 53, 623-632.	2.8	308
2	Detection of Significant Coronary Artery Disease by Noninvasive Anatomical and Functional Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	2.6	286
3	EANM procedural guidelines for radionuclide myocardial perfusion imaging with SPECT and SPECT/CT: 2015 revision. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 1929-1940.	6.4	260
4	Genotype impacts survival in Marfan syndrome. <i>European Heart Journal</i> , 2016, 37, 3285-3290.	2.2	114
5	The Risk for Type B Aortic Dissection in Marfan Syndrome. <i>Journal of the American College of Cardiology</i> , 2015, 65, 246-254.	2.8	107
6	Diagnosis of obstructive coronary artery disease using computed tomography angiography in patients with stable chest pain depending on clinical probability and in clinically important subgroups: meta-analysis of individual patient data. <i>BMJ: British Medical Journal</i> , 2019, 365, l1945.	2.3	99
7	Multicentre multi-device hybrid imaging study of coronary artery disease: results from the EVALUation of INtegrated Cardiac Imaging for the Detection and Characterization of Ischaemic Heart Disease (EVINCI) hybrid imaging population. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 951-960.	1.2	95
8	Superior Risk Stratification With Coronary Computed Tomography Angiography Using a Comprehensive Atherosclerotic Risk Score. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1987-1997.	5.3	78
9	For what endpoint does myocardial 123I-MIBG scintigraphy have the greatest prognostic value in patients with chronic heart failure? Results of a pooled individual patient data meta-analysis. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 996-1003.	1.2	74
10	Prognostic Value of Combined CT Angiography and Myocardial Perfusion Imaging versus Invasive Coronary Angiography and Nuclear Stress Perfusion Imaging in the Prediction of Major Adverse Cardiovascular Events: The CORE320 Multicenter Study. <i>Radiology</i> , 2017, 284, 55-65.	7.3	74
11	Different manifestations of coronary artery disease by stress SPECT myocardial perfusion imaging, coronary calcium scoring, and multislice CT coronary angiography in asymptomatic patients with type 2 diabetes mellitus. <i>Journal of Nuclear Cardiology</i> , 2008, 15, 503-509.	2.1	69
12	Increased aortic tortuosity indicates a more severe aortic phenotype in adults with Marfan syndrome. <i>International Journal of Cardiology</i> , 2015, 194, 7-12.	1.7	68
13	Long-term clinical outcomes of losartan in patients with Marfan syndrome: follow-up of the multicentre randomized controlled COMPARE trial. <i>European Heart Journal</i> , 2020, 41, 4181-4187.	2.2	54
14	Cardiac autonomic neuropathy in patients with diabetes and no symptoms of coronary artery disease: comparison of 123I-metaiodobenzylguanidine myocardial scintigraphy and heart rate variability. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 1698-1705.	6.4	48
15	Prevalence and predictors of an abnormal stress myocardial perfusion study in asymptomatic patients with type 2 diabetes mellitus. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 567-575.	6.4	47
16	Radiopharmaceutical tracers for cardiac imaging. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1204-1236.	2.1	46
17	Effect of Coronary Atherosclerosis and Myocardial Ischemia on Plasma Levels of High-Sensitivity Troponin T and NT-proBNP in Patients With Stable Angina. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 757-764.	2.4	42
18	Anatomical and functional coronary imaging to predict long-term outcome in patients with suspected coronary artery disease: the EVINCI-outcome study. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1273-1282.	1.2	40

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19	Ischemia and No Obstructive Stenosis (INOCA) at CT Angiography, CT Myocardial Perfusion, Invasive Coronary Angiography, and SPECT: The CORE320 Study. <i>Radiology</i> , 2020, 294, 61-73.	7.3	39
20	HDL cholesterol, leptin and interleukin-6 predict high risk coronary anatomy assessed by CT angiography in patients with stable chest pain. <i>Atherosclerosis</i> , 2015, 241, 55-61.	0.8	37
21	Impact of Clinical Characteristics and Statins on Coronary Plaque Progression by Serial Computed Tomography Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009750.	2.6	37
22	¹²³ I-MIBG SPECT for Evaluation of Patients with Heart Failure. <i>Journal of Nuclear Medicine</i> , 2015, 56, 25S-30S.	5.0	34
23	Association of PCSK9 plasma levels with metabolic patterns and coronary atherosclerosis in patients with stable angina. <i>Cardiovascular Diabetology</i> , 2019, 18, 144.	6.8	33
24	Association Between Posterior Left Atrial Adipose Tissue Mass and Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	4.8	31
25	Multimodality imaging to diagnose takotsubo cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , 2006, 13, 123-126.	2.1	29
26	Automatic identification of coronary tree anatomy in coronary computed tomography angiography. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1809-1819.	1.5	29
27	Influence of coronary vessel dominance on short- and long-term outcome in patients after ST-segment elevation myocardial infarction. <i>European Heart Journal</i> , 2015, 36, 1023-1030.	2.2	28
28	Cardiac sympathetic nervous system imaging with ¹²³ I-meta-iodobenzylguanidine: Perspectives from Japan and Europe. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 952-960.	2.1	28
29	Noninvasive CT-based hemodynamic assessment of coronary lesions derived from fast computational analysis: a comparison against fractional flow reserve. <i>European Radiology</i> , 2019, 29, 2117-2126.	4.5	28
30	Comparison by Computed Tomographic Angiography of the Presence and Extent of Coronary Arterial Atherosclerosis in South Asians Versus Caucasians With Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2014, 113, 1782-1787.	1.6	26
31	Triglycerides and low HDL cholesterol predict coronary heart disease risk in patients with stable angina. <i>Scientific Reports</i> , 2021, 11, 20714.	3.3	26
32	Feasibility of an Automated Quantitative Computed Tomography Angiography-Derived Risk Score for Risk Stratification of Patients With Suspected Coronary Artery Disease. <i>American Journal of Cardiology</i> , 2014, 113, 1947-1955.	1.6	25
33	Impact of computed tomography myocardial perfusion following computed tomography coronary angiography on downstream referral for invasive coronary angiography, revascularization and, outcome at 12 months. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 969-977.	1.2	24
34	New Insights on Carpentier I Mitral Regurgitation from Multidetector Row Computed Tomography. <i>American Journal of Cardiology</i> , 2014, 114, 763-768.	1.6	23
35	Different manifestation of irradiation induced coronary artery disease detected with coronary computed tomography compared with matched non-irradiated controls. <i>Radiotherapy and Oncology</i> , 2017, 125, 55-61.	0.6	22
36	The impact of visceral and general obesity on vascular and left ventricular function and geometry: a cross-sectional magnetic resonance imaging study of the UK Biobank. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 273-281.	1.2	22

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37	Variation in Coronary Anatomy in Adult Patients Late After Arterial Switch Operation: A Computed Tomography Coronary Angiography Study. <i>Annals of Thoracic Surgery</i> , 2013, 96, 1390-1397.	1.3	21
38	Prognostic Value of Coronary Computed Tomography Imaging in Patients at High Risk Without Symptoms of Coronary Artery Disease. <i>American Journal of Cardiology</i> , 2016, 117, 768-774.	1.6	21
39	Subclinical left ventricular dysfunction and coronary atherosclerosis in asymptomatic patients with type 2 diabetes. <i>European Journal of Echocardiography</i> , 2011, 12, 148-155.	2.3	20
40	Coronary anatomy as related to bicuspid aortic valve morphology. <i>Heart</i> , 2016, 102, 943-949.	2.9	20
41	A New Integrated Clinical-Biohumoral Model to Predict Functionally Significant Coronary Artery Disease in Patients With Chronic Chest Pain. <i>Canadian Journal of Cardiology</i> , 2015, 31, 709-716.	1.7	19
42	The role of myocardial innervation imaging in different clinical scenarios: an expert document of the European Association of Cardiovascular Imaging and Cardiovascular Committee of the European Association of Nuclear Medicine. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 480-490.	1.2	19
43	Segmental quantitative myocardial perfusion with PET for the detection of significant coronary artery disease in patients with stable angina. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 1522-1529.	6.4	18
44	Prognostic value of coronary computed tomography angiography in diabetic patients without chest pain syndrome. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 24-36.	2.1	18
45	Relationship Between Coronary Contrast-Flow Quantitative Flow Ratio and Myocardial Ischemia Assessed by SPECT MPI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1888-1896.	6.4	18
46	Characterization of functionally significant coronary artery disease by a coronary computed tomography angiography-based index: a comparison with positron emission tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 897-905.	1.2	18
47	Coronary atherosclerosis scoring with semiquantitative CCTA risk scores for prediction of major adverse cardiac events: Propensity score-based analysis of diabetic and non-diabetic patients. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 251-257.	1.3	18
48	Long-Term Prognosis of Patients With Intramural Course of Coronary Arteries Assessed With CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1451-1458.	5.3	17
49	Referral of patients for fractional flow reserve using quantitative flow ratio. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1231-1238.	1.2	17
50	How to Measure the Aorta Using MRI: A Practical Guide. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 971-977.	3.4	17
51	Prevalence by Computed Tomographic Angiography of Coronary Plaques in South Asian and White Patients With Type 2 Diabetes Mellitus at Low and High Risk Using Four Cardiovascular Risk Scores (UKPDS, FRS, ASCVD, and JBS3). <i>American Journal of Cardiology</i> , 2017, 119, 705-711.	1.6	16
52	Value of Coronary Computed Tomography Angiography in Tailoring Aspirin Therapy for Primary Prevention of Atherosclerotic Events in Patients at High Risk With Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2016, 117, 887-893.	1.6	15
53	The impact of acquisition time of planar cardiac 123I-MIBG imaging on the late heart to mediastinum ratio. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 326-332.	6.4	15
54	Normal and reference values for cardiovascular magnetic resonance-based pulse wave velocity in the middle-aged general population. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 46.	3.3	15

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55	Influence of Myocardial Ischemia Extent on Left Ventricular Global Longitudinal Strain in Patients After ST-Segment Elevation Myocardial Infarction. <i>American Journal of Cardiology</i> , 2017, 119, 1-6.	1.6	14
56	Non-Invasive Prediction of Site-Specific Coronary Atherosclerotic Plaque Progression using Lipidomics, Blood Flow, and LDL Transport Modeling. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1976.	2.5	14
57	Enhanced characterization of calcified areas in intravascular ultrasound virtual histology images by quantification of the acoustic shadow: validation against computed tomography coronary angiography. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 543-552.	1.5	13
58	Relation between quantitative coronary CTA and myocardial ischemia by adenosine stress myocardial CT perfusion. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1253-1262.	2.1	13
59	Comparison of Diagnostic Performance of Quantitative Flow Ratio in Patients With Versus Without Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2019, 123, 1722-1728.	1.6	13
60	Relationship of Endothelial Shear Stress with Plaque Features with Coronary CT Angiography and Vasodilating Capability with PET. <i>Radiology</i> , 2021, 300, 549-556.	7.3	13
61	Quantification of aortic annulus in computed tomography angiography: Validation of a fully automatic methodology. <i>European Journal of Radiology</i> , 2017, 93, 1-8.	2.6	12
62	Characterization of Ascending Aortic Flow in Patients With Degenerative Aneurysms. <i>Investigative Radiology</i> , 2021, Publish Ahead of Print, 494-500.	6.2	11
63	Effects of Spinal Cord Stimulation on Cardiac Sympathetic Nerve Activity in Patients with Heart Failure. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2017, 40, 504-513.	1.2	10
64	Relation Between Coronary Arterial Dominance and Left Ventricular Ejection Fraction After ST-Segment Elevation Acute Myocardial Infarction in Patients Having Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , 2014, 114, 1646-1650.	1.6	9
65	Blood Monocyte Phenotype Fingerprint of Stable Coronary Artery Disease: A Cross-Sectional Substudy of SMARTool Clinical Trial. <i>BioMed Research International</i> , 2020, 2020, 1-11.	1.9	9
66	Prognostic value of noninvasive combined anatomic/functional assessment by cardiac CT in patients with suspected coronary artery disease – Comparison with invasive coronary angiography and nuclear myocardial perfusion imaging for the five-year-follow up of the CORE320 multicenter study. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 485-491.	1.3	9
67	Impact of Cardiovascular Counseling and Screening in Hodgkin Lymphoma Survivors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 164-171.	0.8	8
68	The influence of clinical and acquisition parameters on the interpretability of adenosine stress myocardial computed tomography perfusion. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 203-211.	1.2	8
69	Prognosis of complete versus incomplete revascularisation of patients with STEMI with multivessel coronary artery disease: an observational study. <i>Open Heart</i> , 2017, 4, e000541.	2.3	8
70	Coronary computed tomography angiography derived risk score in predicting cardiac events. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 274-280.	1.3	8
71	Long-term prognostic value of single-photon emission computed tomography myocardial perfusion imaging after primary PCI for STEMI. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1287-1293.	1.2	8
72	Lipid biomarkers in statin users with coronary artery disease annotated by coronary computed tomography angiography. <i>Scientific Reports</i> , 2021, 11, 12899.	3.3	8

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73	Estimated pulse wave velocity (ePWV) as a potential gatekeeper for MRI-assessed PWV: a linear and deep neural network based approach in 2254 participants of the Netherlands Epidemiology of Obesity study. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 183-193.	1.5	8
74	Prognostic Value of Aortic and Mitral Valve Calcium Detected by Contrast Cardiac Computed Tomography Angiography in Patients With Suspicion of Coronary Artery Disease. <i>American Journal of Cardiology</i> , 2014, 113, 772-778.	1.6	7
75	Impact of left atrial box surface ratio on the recurrence after ablation for persistent atrial fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2019, 42, 208-215.	1.2	7
76	Aortic distensibility in Marfan syndrome: a potential predictor of aortic events?. <i>Open Heart</i> , 2021, 8, e001775.	2.3	7
77	A specific plasma lipid signature associated with high triglycerides and low HDL cholesterol identifies residual CAD risk in patients with chronic coronary syndrome. <i>Atherosclerosis</i> , 2021, 339, 1-11.	0.8	7
78	Genome-wide methylation patterns in Marfan syndrome. <i>Clinical Epigenetics</i> , 2021, 13, 217.	4.1	7
79	RV Tissue Heterogeneity on CT. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 1073-1085.	3.2	6
80	Sex differences in coronary plaque changes assessed by serial computed tomography angiography. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 2311-2321.	1.5	6
81	Aortic valve and aortic root features in CT angiography in patients considered for aortic valve repair. <i>Journal of Cardiovascular Computed Tomography</i> , 2014, 8, 299-306.	1.3	5
82	Changes in ischaemia as assessed with single-photon emission computed tomography myocardial perfusion imaging in high-risk patients with diabetes without cardiac symptoms: relation with coronary atherosclerosis on computed tomography coronary angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 863-870.	1.2	5
83	Automatic detection of aorto-femoral vessel trajectory from whole-body computed tomography angiography data sets. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1311-1322.	1.5	4
84	Neuro-cardiac imaging has a proven value in patient management: Con. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1583-1587.	2.1	4
85	Diagnostic accuracy of semi-automatic quantitative metrics as an alternative to expert reading of CT myocardial perfusion in the CORE320 study. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 212-219.	1.3	4
86	Associations between left ventricular function, vascular function and measures of cerebral small vessel disease: a cross-sectional magnetic resonance imaging study of the UK Biobank. <i>European Radiology</i> , 2021, 31, 5068-5076.	4.5	4
87	Predictive Added Value of Selected Plasma Lipids to a Re-estimated Minimal Risk Tool. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 682785.	2.4	4
88	Myocardial CT perfusion for the prediction of obstructive coronary artery disease, valuable or not?. <i>Cardiovascular Diagnosis and Therapy</i> , 2015, 5, 63-6.	1.7	4
89	One-stop-shop cardiac CT: Calcium score, angiography, and myocardial perfusion. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 1176-1179.	2.1	3
90	Gender-Specific Differences in All-Cause Mortality Between Incomplete and Complete Revascularization in Patients With ST-Elevation Myocardial Infarction and Multi-Vessel Coronary Artery Disease. <i>American Journal of Cardiology</i> , 2018, 121, 537-543.	1.6	3

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91	The future of cardiac 123-I MIBG imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 2381-2382.	6.4	2
92	Applicability and accuracy of pretest probability calculations implemented in the NICE clinical guideline for decision making about imaging in patients with chest pain of recent onset. <i>European Radiology</i> , 2018, 28, 4006-4017.	4.5	2
93	Relationship between coronary artery calcification and myocardial ischemia on computed tomography myocardial perfusion in patients with stable chest pain. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1707-1714.	2.1	2
94	Experimental validation of absolute SPECT/CT quantification for response monitoring in patients with coronary artery disease. <i>EJNMMI Physics</i> , 2021, 8, 48.	2.7	2
95	Blood M2-like Monocyte Polarization Is Associated with Calcific Plaque Phenotype in Stable Coronary Artery Disease: A Sub-Study of SMARTool Clinical Trial. <i>Biomedicines</i> , 2022, 10, 565.	3.2	2
96	Association of Circulating Heme Oxygenase-1, Lipid Profile and Coronary Disease Phenotype in Patients with Chronic Coronary Syndrome. <i>Antioxidants</i> , 2021, 10, 2002.	5.1	2
97	Rapid aortic aneurysm formation in Marfan patient with dissection of the entire aorta. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 507-507.	1.2	1
98	Hepatic FDG uptake in patients with NAFLD: An important prognostic factor for cardio-cerebrovascular events?. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 900-902.	2.1	1
99	Characterization of the left ventricular arrhythmogenic substrate with multimodality imaging: role of innervation imaging and left ventricular global longitudinal strain. <i>European Journal of Hybrid Imaging</i> , 2019, 3, 14.	1.5	1
100	4D flow MRI of type B dissection with later retrograde progression to type A dissection in Marfan: a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab288.	0.6	1
101	COVID-19 associated perimyocarditis. <i>Magnetic Resonance Imaging</i> , 2021, 84, 132-134.	1.8	1
102	4D Flow MRI in Ascending Aortic Aneurysms: Reproducibility of Hemodynamic Parameters. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3912.	2.5	1
103	Highlights of the 12th International Conference on Nuclear Cardiology and Cardiac CT. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 959-965.	1.2	0
104	One-stop-shop cardiac CT: 3D fusion of CT coronary anatomy and myocardial perfusion for guiding revascularization in complex multivessel disease. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 1510-1513.	2.1	0
105	â€ˆBrainstormâ€™™ at EACVI. <i>European Heart Journal</i> , 2017, 38, 381-383.	2.2	0
106	A case of tortuous anatomy: cervical aortic arch. <i>European Heart Journal</i> , 2021, 42, 1811-1811.	2.2	0
107	Myocardial calcification is associated with endocardial ablation failure of post-myocardial infarction ventricular tachycardia. <i>Europace</i> , 2021, 23, 1275-1284.	1.7	0
108	Computed tomography follow-up after elective proximal aortic surgery: Less is more?. <i>American Heart Journal</i> , 2022, 249, 66-75.	2.7	0