

Michelle C Williams

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

7,419
citations

126907

33
h-index

54911

84
g-index

94
all docs

94
docs citations

94
times ranked

7049
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative assessment of atherosclerotic plaque, recent progress and current limitations. Journal of Cardiovascular Computed Tomography, 2022, 16, 124-137.	1.3	41
2	Association of coronary artery calcium score with qualitatively and quantitatively assessed adverse plaque on coronary CT angiography in the SCOT-HEART trial. European Heart Journal Cardiovascular Imaging, 2022, 23, 1210-1221.	1.2	21
3	MRI and CT coronary angiography in survivors of COVID-19. Heart, 2022, 108, 46-53.	2.9	25
4	Radiologist opinions regarding reporting incidental coronary and cardiac calcification on thoracic CT. BJR Open, 2022, 4, .	0.6	0
5	Coronary Artery and Cardiac Disease in Patients With Type 2 Myocardial Infarction: A Prospective Cohort Study. Circulation, 2022, 145, 1188-1200.	1.6	32
6	What should we do about Coronary Calcification on Thoracic CT?. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2022, , .	1.3	0
7	Sex-based Differences in Outcomes Related to Thoracic Aorta Dimensions. Radiology, 2022, , 220402.	7.3	0
8	Accuracy of Automated Computer-Aided Diagnosis for Stroke Imaging: A Critical Evaluation of Current Evidence. Stroke, 2022, 53, 2393-2403.	2.0	22
9	Hepatosteatosis and Atherosclerotic Plaque at Coronary CT Angiography. Radiology: Cardiothoracic Imaging, 2022, 4, e210260.	2.5	6
10	Reporting incidental coronary, aortic valve and cardiac calcification on non-gated thoracic computed tomography, a consensus statement from the BSCI/BSCCT and BSTI. British Journal of Radiology, 2021, 94, 20200894.	2.2	38
11	2020 SCCT Guideline for Training Cardiology and Radiology Trainees as Independent Practitioners (Level II) and Advanced Practitioners (Level III) in Cardiovascular Computed Tomography: A Statement from the Society of Cardiovascular Computed Tomography. Radiology: Cardiothoracic Imaging, 2021, 3, e200480.	2.5	9
12	Machine learning to predict cardiac events in asymptomatic individuals. Atherosclerosis, 2021, 318, 38-39.	0.8	3
13	Downstream testing after CT coronary angiography: time for a rethink?. Open Heart, 2021, 8, e001597.	2.3	16
14	Clinical Relevance of Coronary Computed Tomography Angiography Beyond Coronary Artery Stenosis. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2021, 193, 1162-1170.	1.3	1
15	Effect of Denosumab or Alendronic Acid on the Progression of Aortic Stenosis: A Double-Blind Randomized Controlled Trial. Circulation, 2021, 143, 2418-2427.	1.6	61
16	Sex-based inequalities in contemporary UK hospital management of stable chest pain. Open Heart, 2021, 8, e001672.	2.3	1
17	Pulmonary embolism severity before and during the COVID-19 pandemic. British Journal of Radiology, 2021, 94, 20210264.	2.2	8
18	Impact of COVID-19 on the imaging diagnosis of cardiac disease in Europe. Open Heart, 2021, 8, e001681.	2.3	17

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19	Cardiovascular risk factors and aortic valve calcification: what do these associations mean?. Heart, 2021, 107, 1524-1525.	2.9	1
20	Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation. Circulation, 2021, 144, 1396-1408.	1.6	32
21	Forget Ischemia: It's All About the Plaque. Circulation, 2021, 144, 1039-1041.	1.6	6
22	Gaining evidence on coronary inflammation. Journal of Cardiovascular Computed Tomography, 2021, 15, 455-456.	1.3	2
23	Prevalence and clinical implications of valvular calcification on coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2021, 22, 262-270.	1.2	19
24	Prognostic value of fractional flow reserve from computed tomography. Heart, 2021, , heartjnl-2021-320375.	2.9	3
25	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. Journal of Cardiovascular Computed Tomography, 2020, 14, 3-11.	1.3	31
26	Ticagrelor to Reduce Myocardial Injury in Patients With High-Risk Coronary Artery Plaque. JACC: Cardiovascular Imaging, 2020, 13, 1549-1560.	5.3	26
27	Sex associations and computed tomography coronary angiography-guided management in patients with stable chest pain. European Heart Journal, 2020, 41, 1337-1345.	2.2	28
28	Response by Williams et al to Letter Regarding Article, "Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction: Results From the Multicenter SCOT-HEART Trial (Scottish Computed Tomography of the HEART)" Circulation, 2020, 142, e244-e245.	1.6	14
29	Computed tomography aortic valve calcium scoring for the assessment of aortic stenosis progression. Heart, 2020, 106, 1906-1913.	2.9	22
30	Computed tomography calcium scoring association and reclassification of clinical cardiovascular risk in asymptomatic Mexican patients. SAGE Open Medicine, 2020, 8, 205031212093823.	1.8	0
31	Coronary Computed Tomography Angiography From Clinical Uses to Emerging Technologies. Journal of the American College of Cardiology, 2020, 76, 1226-1243.	2.8	140
32	CT imaging prior to transcatheter aortic valve implantation in the UK. Open Heart, 2020, 7, e001233.	2.3	6
33	Coronary ¹⁸ F-Fluoride Uptake and Progression of Coronary Artery Calcification. Circulation: Cardiovascular Imaging, 2020, 13, e011438.	2.6	43
34	Exercise Electrocardiography and Computed Tomography Coronary Angiography for Patients With Suspected Stable Angina Pectoris. JAMA Cardiology, 2020, 5, 920.	6.1	34
35	Coronary ¹⁸ F-Sodium Fluoride Uptake Predicts Outcomes in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 75, 3061-3074.	2.8	100
36	Bone marrow adipose tissue is a unique adipose subtype with distinct roles in glucose homeostasis. Nature Communications, 2020, 11, 3097.	12.8	98

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37	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction. <i>Circulation</i> , 2020, 141, 1452-1462.	1.6	348
38	Validation of European Society of Cardiology pre-test probabilities for obstructive coronary artery disease in suspected stable angina. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2020, 6, 293-300.	4.0	30
39	Association between hypertension and retinal vascular features in ultra-widefield fundus imaging. <i>Open Heart</i> , 2020, 7, e001124.	2.3	10
40	Molecular Coronary Plaque Imaging Using ¹⁸ F-Fluoride. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008574.	2.6	36
41	Coronary artery calcification is associated with mortality independent of pulmonary embolism severity: a retrospective cohort study. <i>Clinical Radiology</i> , 2019, 74, 973.e7-973.e14.	1.1	13
42	Guiding Therapy by Coronary CT Angiography Improves Outcomes in Patients With Stable Chest Pain. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2058-2070.	2.8	99
43	A novel machine learning-derived radiotranscriptomic signature of perivascular fat improves cardiac risk prediction using coronary CT angiography. <i>European Heart Journal</i> , 2019, 40, 3529-3543.	2.2	268
44	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
45	Clinical determinants of plasma cardiac biomarkers in patients with stable chest pain. <i>Heart</i> , 2019, 105, 1748-1754.	2.9	4
46	A zero coronary artery calcium score in patients with stable chest pain is associated with a good prognosis, despite risk of non-calcified plaques. <i>Open Heart</i> , 2019, 6, e000945.	2.3	30
47	Coronary atherosclerosis imaging by CT to improve clinical outcomes. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 281-287.	1.3	15
48	Breast arterial calcification on mammography and risk of coronary artery disease: a SCOT-HEART sub-study. <i>Clinical Radiology</i> , 2019, 74, 421-428.	1.1	20
49	Using radiation safely in cardiology: what imagers need to know. <i>Heart</i> , 2019, 105, 798-806.	2.9	26
50	Peri-Coronary Adipose Tissue Density Is Associated With ¹⁸ F-Sodium Fluoride Coronary Uptake in Stable Patients With High-Risk Plaques. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2000-2010.	5.3	129
51	Coronary CT Angiography and Subsequent Risk of Myocardial Infarction. <i>New England Journal of Medicine</i> , 2019, 380, 298-300.	27.0	10
52	High-Sensitivity Cardiac Troponin I and the Diagnosis of Coronary Artery Disease in Patients With Suspected Angina Pectoris. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2018, 11, e004227.	2.2	41
53	Multimodality Quantitative Assessments of Myocardial Perfusion Using Dynamic Contrast Enhanced Magnetic Resonance and ¹⁵ O-Labeled Water Positron Emission Tomography Imaging. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018, 2, 259-271.	3.7	12
54	Impact of noncardiac findings in patients undergoing CT coronary angiography: a substudy of the Scottish computed tomography of the heart (SCOT-HEART) trial. <i>European Radiology</i> , 2018, 28, 2639-2646.	4.5	28

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55	Evaluation of coronary artery disease as a risk factor for reticular pseudodrusen. <i>British Journal of Ophthalmology</i> , 2018, 102, 483-489.	3.9	13
56	Coronary artery disease reporting and data system (CAD-RADS TM): Inter-observer agreement for assessment categories and modifiers. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 125-130.	1.3	62
57	Coronary computed tomographic imaging in women: An expert consensus statement from the Society of Cardiovascular Computed Tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 451-466.	1.3	41
58	Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. <i>New England Journal of Medicine</i> , 2018, 379, 924-933.	27.0	898
59	Symptoms and quality of life in patients with suspected angina undergoing CT coronary angiography: a randomised controlled trial. <i>Heart</i> , 2017, 103, 995-1001.	2.9	40
60	Cardiac CT Improves Outcomes in Stable Coronary Heart Disease: Results of Recent Clinical Trials. <i>Current Cardiovascular Imaging Reports</i> , 2017, 10, 14.	0.6	11
61	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
62	A prospective national survey of coronary CT angiography radiation doses in the United Kingdom. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 268-273.	1.3	31
63	Computed tomography myocardial perfusion vs 15O-water positron emission tomography and fractional flow reserve. <i>European Radiology</i> , 2017, 27, 1114-1124.	4.5	25
64	Ectopic fat accumulation in patients with COPD: an ECLIPSE substudy. <i>International Journal of COPD</i> , 2017, Volume 12, 451-460.	2.3	33
65	Complementary role of cardiac CT in the assessment of aortic valve replacement dysfunction. <i>Open Heart</i> , 2016, 3, e000494.	2.3	23
66	Cardiovascular PET-CT imaging: a new frontier?. <i>Clinical Radiology</i> , 2016, 71, 647-659.	1.1	6
67	Use of Coronary Computed Tomographic Angiography to Guide Management of Patients With Coronary Disease. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1759-1768.	2.8	274
68	CT myocardial perfusion imaging: current status and future directions. <i>Clinical Radiology</i> , 2016, 71, 739-749.	1.1	22
69	Reply. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1604-1605.	2.8	1
70	Iterative reconstruction can permit the use of lower X-ray tube current in CT coronary artery calcium scoring. <i>British Journal of Radiology</i> , 2016, 89, 20150780.	2.2	14
71	Computed Tomography and Cardiac Magnetic Resonance in Ischemic Heart Disease. <i>Journal of the American College of Cardiology</i> , 2016, 68, 2201-2216.	2.8	56
72	Circulating desmosine levels do not predict emphysema progression but are associated with cardiovascular risk and mortality in COPD. <i>European Respiratory Journal</i> , 2016, 47, 1365-1373.	6.7	64

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73	Association Between Interstitial Lung Abnormalities and All-Cause Mortality. JAMA - Journal of the American Medical Association, 2016, 315, 672.	7.4	333
74	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). British Journal of Radiology, 2016, 89, 20150705.	2.2	51
75	Observer variability in the assessment of CT coronary angiography and coronary artery calcium score: substudy of the Scottish COmputed Tomography of the HEART (SCOT-HEART) trial. Open Heart, 2015, 2, e000234.	2.3	35
76	SCCT curriculum guidelines for general (level 1) cardiovascular CT training. Journal of Cardiovascular Computed Tomography, 2015, 9, 81-88.	1.3	11
77	CT coronary angiography in patients with suspected angina due to coronary heart disease (SCOT-HEART): an open-label, parallel-group, multicentre trial. Lancet, The, 2015, 385, 2383-2391.	13.7	796
78	Measurement of myocardial blood flow by cardiovascular magnetic resonance perfusion: comparison of distributed parameter and Fermi models with single and dual bolus. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 17.	3.3	22
79	Blood vessel segmentation and width estimation in ultra-wide field scanning laser ophthalmoscopy. Biomedical Optics Express, 2014, 5, 4329.	2.9	43
80	Coronary artery calcification is increased in patients with COPD and associated with increased morbidity and mortality. Thorax, 2014, 69, 718-723.	5.6	151
81	18F-fluoride positron emission tomography for identification of ruptured and high-risk coronary atherosclerotic plaques: a prospective clinical trial. Lancet, The, 2014, 383, 705-713.	13.7	804
82	Image Quality With Single-Heartbeat 320-Multidetector Computed Tomographic Coronary Angiography. Journal of Computer Assisted Tomography, 2014, 38, 444-450.	0.9	3
83	Iterative reconstruction and individualized automatic tube current selection reduce radiation dose while maintaining image quality in 320-multidetector computed tomography coronary angiography. Clinical Radiology, 2013, 68, e570-e577.	1.1	33
84	A low-dose comprehensive cardiac CT protocol assessing anatomy, function, perfusion, and viability. Journal of Cardiovascular Computed Tomography, 2013, 7, 69-72.	1.3	5
85	Aortic stenosis, atherosclerosis, and skeletal bone: is there a common link with calcification and inflammation?. European Heart Journal, 2013, 34, 1567-1574.	2.2	131
86	CT-measured bone attenuation in patients with chronic obstructive pulmonary disease: Relation to clinical features and outcomes. Journal of Bone and Mineral Research, 2013, 28, 1369-1377.	2.8	40
87	In Vivo Mononuclear Cell Tracking Using Superparamagnetic Particles of Iron Oxide. Circulation: Cardiovascular Imaging, 2012, 5, 509-517.	2.6	100
88	Coronary Arterial 18F-Sodium Fluoride Uptake. Journal of the American College of Cardiology, 2012, 59, 1539-1548.	2.8	445
89	Cardiac and coronary CT comprehensive imaging approach in the assessment of coronary heart disease. Heart, 2011, 97, 1198-1205.	2.9	29
90	Abdominal Aortic Aneurysm Growth Predicted by Uptake of Ultrasmall Superparamagnetic Particles of Iron Oxide. Circulation: Cardiovascular Imaging, 2011, 4, 274-281.	2.6	153