

Jonathan R Weir-Mccall

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

2,710
citations

361413
20
h-index

197818
49
g-index

94
all docs

94
docs citations

94
times ranked

3827
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of coronary artery calcium score with qualitatively and quantitatively assessed adverse plaque on coronary CT angiography in the SCOT-HEART trial. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1210-1221.	1.2	21
2	Vascular Thrombosis in Severe COVID-19 Requiring Extracorporeal Membrane Oxygenation: A Multicenter Study. <i>Critical Care Medicine</i> , 2022, 50, 624-632.	0.9	9
3	Prognostic value of coronary computed tomography angiographic derived fractional flow reserve: a systematic review and meta-analysis. <i>Heart</i> , 2022, 108, 194-202.	2.9	45
4	Comparative accuracy and cost-effectiveness of dynamic contrast-enhanced CT and positron emission tomography in the characterisation of solitary pulmonary nodules. <i>Thorax</i> , 2022, 77, 988-996.	5.6	4
5	Dynamic contrast-enhanced CT compared with positron emission tomography CT to characterise solitary pulmonary nodules: the SPUTNIK diagnostic accuracy study and economic modelling. <i>Health Technology Assessment</i> , 2022, 26, 1-180.	2.8	0
6	The Journal of cardiovascular computed tomography: A year in review 2021. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, , .	1.3	1
7	Mechanistic study of the effect of Endothelin SNPs in microvascular angina “ Protocol of the PRIZE Endothelin Sub-Study. <i>IJC Heart and Vasculature</i> , 2022, 39, 100980.	1.1	2
8	Hepatosteatosi s and Atherosclerotic Plaque at Coronary CT Angiography. <i>Radiology: Cardiothoracic Imaging</i> , 2022, 4, e210260.	2.5	6
9	Aortic stenosis post-COVID-19: a mathematical model on waiting lists and mortality. <i>BMJ Open</i> , 2022, 12, e059309.	1.9	9
10	Reporting incidental coronary, aortic valve and cardiac calcification on non-gated thoracic computed tomography, a consensus statement from the BSCI/BSCCT and BSTI. <i>British Journal of Radiology</i> , 2021, 94, 20200894.	2.2	38
11	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 233-242.	5.3	44
12	Impact of solitary pulmonary nodule size on qualitative and quantitative assessment using 18F-fluorodeoxyglucose PET/CT: the SPUTNIK trial. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1560-1569.	6.4	10
13	CT in planning transcatheter aortic valve implantation procedures and risk assessment. <i>Clinical Radiology</i> , 2021, 76, 73.e1-73.e19.	1.1	12
14	Assessing robustness of carotid artery CT angiography radiomics in the identification of culprit lesions in cerebrovascular events. <i>Scientific Reports</i> , 2021, 11, 3499.	3.3	26
15	The Journal of Cardiovascular Computed Tomography: 2020 Year in review. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 180-189.	1.3	9
16	Common pitfalls and recommendations for using machine learning to detect and prognosticate for COVID-19 using chest radiographs and CT scans. <i>Nature Machine Intelligence</i> , 2021, 3, 199-217.	16.0	607
17	Myocardial stress perfusion in asymptomatic patients: the silent ischemia makes the loudest sound. <i>European Radiology</i> , 2021, 31, 6169-6171.	4.5	0
18	Effect of metformin on epicardial adipose tissue in patients with coronary artery disease without diabetes: A cardiac MRI substudy of the MET-remodel trial. <i>Obesity Medicine</i> , 2021, 24, 100349.	0.9	1

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19	Effect of a calcium deblooming algorithm on accuracy of coronary computed tomography angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 131-136.	1.3	7
20	Mid-term outcome in patients with bicuspid aortic valve stenosis following transcatheter aortic valve replacement with a current generation device: A multicenter study. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 95, 1186-1192.	1.7	12
21	Annular versus supra-annular sizing for transcatheter aortic valve replacement in bicuspid aortic valve disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 407-413.	1.3	20
22	Using FFRCT to Guide Management Strategy in Women. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2588-2590.	5.3	0
23	Paravalvular leakage in transcatheter mitral valve replacement: Bringing simulation theory one step closer to reality. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 500-501.	1.3	0
24	<p>Allopurinol in Patients with Pulmonary Hypertension Associated with Chronic Lung Disease</p>. <i>International Journal of COPD</i> , 2020, Volume 15, 2015-2024.	2.3	3
25	CT imaging prior to transcatheter aortic valve implantation in the UK. <i>Open Heart</i> , 2020, 7, e001233.	2.3	6
26	Opportunities and challenges of implementing computed tomography fractional flow reserve into clinical practice. <i>Heart</i> , 2020, 106, 1387-1393.	2.9	12
27	Dynamic contrast-enhanced computed tomography for the diagnosis of solitary pulmonary nodules: a systematic review and meta-analysis. <i>European Radiology</i> , 2020, 30, 3310-3323.	4.5	10
28	Accelerating the future of cardiac CT: Social media as sine qua non?. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 382-385.	1.3	12
29	Fractional Flow Reserve Derived from CT: The State of Play in 2020. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190153.	2.5	2
30	The Journal of Cardiovascular Computed Tomography year in review – 2019. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 107-117.	1.3	5
31	Spectral CT, Low Contrast Dose and Annular Sizing: Spotting the Ghost in the Fog. <i>Structural Heart</i> , 2020, 4, 204-205.	0.6	0
32	Research priorities in cardiovascular imaging. <i>Open Heart</i> , 2020, 7, e001389.	2.3	3
33	Big MAC, Hold the Valve. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1958-1960.	5.3	0
34	Whole-body magnetic resonance angiography. <i>Clinical Radiology</i> , 2019, 74, 3-12.	1.1	4
35	Prognosis of CT-derived Fractional Flow Reserve in the Prediction of Clinical Outcomes. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e190021.	2.5	8
36	Determinants of Rejection Rate for Coronary CT Angiography Fractional Flow Reserve Analysis. <i>Radiology</i> , 2019, 292, 597-605.	7.3	37

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37	Controversies in Diagnostic Imaging of Patients With Suspected Stable and Acute Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1254-1278.	5.3	6
38	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
39	Impact of sublingual nitroglycerin dosage on FFRCT assessment and coronary luminal volume to myocardial mass ratio. <i>European Radiology</i> , 2019, 29, 6829-6836.	4.5	14
40	Impact of Sublingual Nitroglycerin Dosage on FFRCT Assessment and Coronary Luminal Volume to Myocardial Mass Ratio. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, S25.	1.3	0
41	Presence And Quantification Of Valvular Heart Disease In The SCOT-HEART Trial. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, S11.	1.3	0
42	Impact Of A Novel Post Processing Technique For Calcium Deblooming On The Diagnostic Accuracy Of Coronary Computed Tomography Angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, S3.	1.3	1
43	CT TAVR Assessment In The United Kingdom: Insights From A National BSCI/BSCCT Survey. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, S48.	1.3	0
44	Effect of a calcium deblooming algorithm on the accuracy of coronary computed tomography angiography. , 2019, , .		0
45	Transcatheter Aortic and Mitral Valve Replacements. <i>Radiologic Clinics of North America</i> , 2019, 57, 165-178.	1.8	9
46	Computed tomography imaging in the context of transcatheter aortic valve implantation (TAVI) / transcatheter aortic valve replacement (TAVR): An expert consensus document of the Society of Cardiovascular Computed Tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 1-20.	1.3	258
47	Computed Tomography Imaging in the Context of Transcatheter Aortic Valve Implantation (TAVI)/Transcatheter Aortic Valve Replacement (TAVR). <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1-24.	5.3	310
48	Effects of contrast administration on cardiac MRI volumetric, flow and pulse wave velocity quantification using manual and software-based analysis. <i>British Journal of Radiology</i> , 2018, 91, 20170717.	2.2	8
49	Pulmonary arterial stiffening in COPD and its implications for right ventricular remodelling. <i>European Radiology</i> , 2018, 28, 3464-3472.	4.5	13
50	Prevalence and Distribution of Atherosclerosis in a Low- to Intermediate-Risk Population: Assessment with Whole-Body MR Angiography. <i>Radiology</i> , 2018, 287, 795-804.	7.3	7
51	Epicardial adipose tissue is related to arterial stiffness and inflammation in patients with cardiovascular disease and type 2 diabetes. <i>BMC Cardiovascular Disorders</i> , 2018, 18, 31.	1.7	36
52	Development and Validation of a Path Length Calculation for Carotid-Femoral Pulse Wave Velocity Measurement. <i>Hypertension</i> , 2018, 71, 937-945.	2.7	19
53	Highlights of the Twelfth Annual Scientific Meeting of the Society of Cardiovascular Computed Tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 3-7.	1.3	2
54	FFR_{CT} for Complex Coronary Artery Disease Treatment Planning: New Opportunities. <i>Interventional Cardiology Review</i> , 2018, 13, 126.	1.6	10

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55	Transcatheter Tricuspid Valve-in-Valve Replacement With Subsequent Bioprosthetic Valve Fracture to Optimize Hemodynamic Function. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 2226-2227.	2.9	9
56	Impact of Non-obstructive left main disease on the progression of coronary artery disease: A PARADIGM substudy. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 231-237.	1.3	17
57	Mitral Valve Imaging with CT: Relationship with Transcatheter Mitral Valve Interventions. <i>Radiology</i> , 2018, 288, 638-655.	7.3	52
58	Disconnection of pulmonary and systemic arterial stiffness in COPD. <i>International Journal of COPD</i> , 2018, Volume 13, 1755-1765.	2.3	7
59	Systemic arteriosclerosis is associated with left ventricular remodeling but not atherosclerosis: a TASCFORCE study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 7.	3.3	7
60	Hypertrophic Cardiomyopathy (HCM): New insights into Coronary artery remodelling and ischemia from FFRCT. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 467-471.	1.3	17
61	Research cardiac magnetic resonance imaging in end stage renal disease - incidence, significance and implications of unexpected incidental findings. <i>European Radiology</i> , 2017, 27, 315-324.	4.5	5
62	Imaging in Vascular Access. <i>Cardiovascular Engineering and Technology</i> , 2017, 8, 255-272.	1.6	25
63	Effects of inaccuracies in arterial path length measurement on differences in MRI and tonometry measured pulse wave velocity. <i>BMC Cardiovascular Disorders</i> , 2017, 17, 118.	1.7	17
64	15...No association between systemic arteriosclerosis and atherosclerosis on cardiac MRI and whole body angiography: the tasforce study. , 2017, , .		0
65	Efficacy of noninvasive cardiac imaging tests in diagnosis and management of stable coronary artery disease. <i>Vascular Health and Risk Management</i> , 2017, Volume 13, 427-437.	2.3	34
66	Letter to the editor: Comparing pace and speed in the pulmonary circulation?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H949-H949.	3.2	1
67	Corrigendum to "Acute pancreatitis: a comparison of intervention rates precipitated by early vs guideline CT scan timing" [Clin Radiol 71 (10) (2016) 993-996]. <i>Clinical Radiology</i> , 2016, 71, 1311.	1.1	0
68	Acute pancreatitis: a comparison of intervention rates precipitated by early vs guideline CT scan timing. <i>Clinical Radiology</i> , 2016, 71, 993-996.	1.1	12
69	Prevalence of unrecognized myocardial infarction in a low-intermediate risk asymptomatic cohort and its relation to systemic atherosclerosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 18, jew155.	1.2	10
70	Left Ventricular Noncompaction. <i>Journal of the American College of Cardiology</i> , 2016, 68, 2157-2165.	2.8	118
71	Assessment of proximal pulmonary arterial stiffness using magnetic resonance imaging: effects of technique, age and exercise. <i>BMJ Open Respiratory Research</i> , 2016, 3, e000149.	3.0	6
72	015...Prevalence, pattern and significance of late gadolinium enhancement in a healthy asymptomatic cohort. <i>Heart</i> , 2016, 102, A5.3-A5.	2.9	0

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73	014â€...Patterns of early atherosclerosis formation and cardiac remodelling in healthy adults of south asian and european descent. <i>Heart</i> , 2016, 102, A5.2-A5.	2.9	0
74	Follow-up of atheroma burden with sequential whole body contrast enhanced MR angiography: a feasibility study. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 825-832.	1.5	3
75	Whole body cardiovascular magnetic resonance imaging to stratify symptomatic and asymptomatic atherosclerotic burden in patients with isolated cardiovascular disease. <i>BMC Medical Imaging</i> , 2016, 16, 18.	2.7	6
76	3T MRI investigation of cardiac left ventricular structure and function in a UK population: The tayside screening for the prevention of cardiac events (TASCFORCE) study. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1186-1196.	3.4	11
77	Whole-body cardiovascular MRI for the comparison of atherosclerotic burden and cardiac remodelling in healthy South Asian and European adults. <i>British Journal of Radiology</i> , 2016, 89, 20160342.	2.2	3
78	Cohort comparison study of cardiac disease and atherosclerotic burden in type 2 diabetic adults using whole body cardiovascular magnetic resonance imaging. <i>Cardiovascular Diabetology</i> , 2015, 14, 122.	6.8	13
79	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. <i>Open Heart</i> , 2015, 2, e000234.	2.3	35
80	Technical assessment of whole body angiography and cardiac function within a single MRI examination. <i>Clinical Radiology</i> , 2015, 70, 595-603.	1.1	13
81	Imaging of cardiovascular risk in patients with Turner's syndrome. <i>Clinical Radiology</i> , 2015, 70, 803-814.	1.1	28
82	Bacillus anthracis meningitis during an outbreak of injectional anthrax, Scotland, UK. <i>Clinical Microbiology and Infection</i> , 2015, 21, e49-e50.	6.0	1
83	High-Resolution Microscopy-Coil MR Imaging of Skin Tumors: Techniques and Novel Clinical Applications. <i>Radiographics</i> , 2015, 35, 1077-1090.	3.3	21
84	The Celiac Axis Revisited: Anatomic Variants, Pathologic Features, and Implications for Modern Endovascular Management. <i>Radiographics</i> , 2015, 35, 879-898.	3.3	39
85	The role of pulmonary arterial stiffness in COPD. <i>Respiratory Medicine</i> , 2015, 109, 1381-1390.	2.9	46
86	Common Carotid Intima Media Thickness and Ankle-Brachial Pressure Index Correlate with Local but Not Global Atheroma Burden: A Cross Sectional Study Using Whole Body Magnetic Resonance Angiography. <i>PLoS ONE</i> , 2014, 9, e99190.	2.5	19
87	Contrast-enhanced magnetic resonance lymphography in the assessment of lower limb lymphoedema. <i>Clinical Radiology</i> , 2014, 69, e435-e444.	1.1	26
88	Role of multidetector computed tomography in the diagnosis and management of patients attending the rapid access chest pain clinic, The Scottish computed tomography of the heart (SCOT-HEART) trial: study protocol for randomized controlled trial. <i>Trials</i> , 2012, 13, 184.	1.6	52
89	One step closer to quantifying â€clinical likelihoodâ€™™ in pretest probability. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 0, , .	4.0	0