

# Jonathan R Weir-Mccall

## List of Publications by Citations

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73  
papers

1,373  
citations

17  
h-index

35  
g-index

94  
ext. papers

2,126  
ext. citations

4.8  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
73	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> , <b>2021</b> , 3, 199-217	22.5	200
72	Coronary Artery Plaque Characteristics Associated With Adverse Outcomes in the SCOT-HEART Study. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 291-301	15.1	175
71	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>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 1-24	8.4	137
70	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> , <b>2019</b> , 13, 1-20	2.8	110
69	Left Ventricular Noncompaction: Anatomical Phenotype or Distinct Cardiomyopathy?. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 2157-2165	15.1	82
68	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> , <b>2012</b> , 13, 184	2.8	45
67	The role of pulmonary arterial stiffness in COPD. <i>Respiratory Medicine</i> , <b>2015</b> , 109, 1381-90	4.6	32
66	Mitral Valve Imaging with CT: Relationship with Transcatheter Mitral Valve Interventions. <i>Radiology</i> , <b>2018</b> , 288, 638-655	20.5	32
65	Efficacy of noninvasive cardiac imaging tests in diagnosis and management of stable coronary artery disease. <i>Vascular Health and Risk Management</i> , <b>2017</b> , 13, 427-437	4.4	28
64	Epicardial adipose tissue is related to arterial stiffness and inflammation in patients with cardiovascular disease and type 2 diabetes. <i>BMC Cardiovascular Disorders</i> , <b>2018</b> , 18, 31	2.3	26
63	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> , <b>2015</b> , 2, e000234	3	25
62	The celiac axis revisited: anatomic variants, pathologic features, and implications for modern endovascular management. <i>Radiographics</i> , <b>2015</b> , 35, 879-98	5.4	24
61	Determinants of Rejection Rate for Coronary CT Angiography Fractional Flow Reserve Analysis. <i>Radiology</i> , <b>2019</b> , 292, 597-605	20.5	24
60	Imaging of cardiovascular risk in patients with Turner's syndrome. <i>Clinical Radiology</i> , <b>2015</b> , 70, 803-14	2.9	21
59	Contrast-enhanced magnetic resonance lymphography in the assessment of lower limb lymphoedema. <i>Clinical Radiology</i> , <b>2014</b> , 69, e435-44	2.9	20
58	High-Resolution Microscopy-Coil MR Imaging of Skin Tumors: Techniques and Novel Clinical Applications. <i>Radiographics</i> , <b>2015</b> , 35, 1077-90	5.4	17
57	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> , <b>2014</b> , 9, e99190	3.7	17

56	Imaging in Vascular Access. <i>Cardiovascular Engineering and Technology</i> , <b>2017</b> , 8, 255-272	2.2	14
55	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 14, 233-242	8.4	14
54	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> , <b>2015</b> , 14, 122	8.7	13
53	Technical assessment of whole body angiography and cardiac function within a single MRI examination. <i>Clinical Radiology</i> , <b>2015</b> , 70, 595-603	2.9	12
52	Development and Validation of a Path Length Calculation for Carotid-Femoral Pulse Wave Velocity Measurement: A TASCFORCE, SUMMIT, and Caerphilly Collaborative Venture. <i>Hypertension</i> , <b>2018</b> , 71, 937-945	8.5	12
51	Effects of inaccuracies in arterial path length measurement on differences in MRI and tonometry measured pulse wave velocity. <i>BMC Cardiovascular Disorders</i> , <b>2017</b> , 17, 118	2.3	11
50	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> , <b>2021</b> , 94, 20200894	3.4	10
49	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> , <b>2017</b> , 18, 657-662	4.1	9
48	Annular versus supra-annular sizing for transcatheter aortic valve replacement in bicuspid aortic valve disease. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2020</b> , 14, 407-413	2.8	9
47	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> , <b>2016</b> , 44, 1186-1196	5.6	8
46	Hypertrophic Cardiomyopathy (HCM): New insights into Coronary artery remodelling and ischemia from FFR. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2018</b> , 12, 467-471	2.8	8
45	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> , <b>2020</b> , 95, 1186-1192	2.7	8
44	Impact of Non-obstructive left main disease on the progression of coronary artery disease: A PARADIGM substudy. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2018</b> , 12, 231-237	2.8	8
43	Systemic arteriosclerosis is associated with left ventricular remodeling but not atherosclerosis: a TASCFORCE study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2018</b> , 20, 7	6.9	7
42	Acute pancreatitis: a comparison of intervention rates precipitated by early vs guideline CT scan timing. <i>Clinical Radiology</i> , <b>2016</b> , 71, 993-996	2.9	7
41	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> , <b>2021</b> , 48, 1560-1569	8.8	7
40	Assessing robustness of carotid artery CT angiography radiomics in the identification of culprit lesions in cerebrovascular events. <i>Scientific Reports</i> , <b>2021</b> , 11, 3499	4.9	7
39	Impact of sublingual nitroglycerin dosage on FFR assessment and coronary luminal volume-to-myocardial mass ratio. <i>European Radiology</i> , <b>2019</b> , 29, 6829-6836	8	6

38	Accelerating the future of cardiac CT: Social media as sine qua non?. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2020</b> , 14, 382-385	2.8	6
37	Pulmonary arterial stiffening in COPD and its implications for right ventricular remodelling. <i>European Radiology</i> , <b>2018</b> , 28, 3464-3472	8	6
36	Whole body cardiovascular magnetic resonance imaging to stratify symptomatic and asymptomatic atherosclerotic burden in patients with isolated cardiovascular disease. <i>BMC Medical Imaging</i> , <b>2016</b> , 16, 18	2.9	6
35	FFR for Complex Coronary Artery Disease Treatment Planning: New Opportunities. <i>Interventional Cardiology Review</i> , <b>2018</b> , 13, 126-128	4.2	6
34	Transcatheter Tricuspid Valve-in-Valve Replacement With Subsequent Bioprosthetic Valve Fracture to Optimize Hemodynamic Function. <i>JACC: Cardiovascular Interventions</i> , <b>2018</b> , 11, 2226-2227	5	6
33	Research cardiac magnetic resonance imaging in end stage renal disease - incidence, significance and implications of unexpected incidental findings. <i>European Radiology</i> , <b>2017</b> , 27, 315-324	8	5
32	Dynamic contrast-enhanced computed tomography for the diagnosis of solitary pulmonary nodules: a systematic review and meta-analysis. <i>European Radiology</i> , <b>2020</b> , 30, 3310-3323	8	5
31	Prevalence and Distribution of Atherosclerosis in a Low- to Intermediate-Risk Population: Assessment with Whole-Body MR Angiography. <i>Radiology</i> , <b>2018</b> , 287, 795-804	20.5	5
30	Opportunities and challenges of implementing computed tomography fractional flow reserve into clinical practice. <i>Heart</i> , <b>2020</b> , 106, 1387-1393	5.1	4
29	Assessment of proximal pulmonary arterial stiffness using magnetic resonance imaging: effects of technique, age and exercise. <i>BMJ Open Respiratory Research</i> , <b>2016</b> , 3, e000149	5.6	4
28	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> , <b>2018</b> , 91, 2017071374	17.4	4
27	Transcatheter Aortic and Mitral Valve Replacements. <i>Radiologic Clinics of North America</i> , <b>2019</b> , 57, 165-178	17.8	4
26	The Journal of Cardiovascular Computed Tomography year in review - 2019. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2020</b> , 14, 107-117	2.8	3
25	Follow-up of atheroma burden with sequential whole body contrast enhanced MR angiography: a feasibility study. <i>International Journal of Cardiovascular Imaging</i> , <b>2016</b> , 32, 825-32	2.5	3
24	Whole-body magnetic resonance angiography. <i>Clinical Radiology</i> , <b>2019</b> , 74, 3-12	2.9	3
23	Prognosis of CT-derived Fractional Flow Reserve in the Prediction of Clinical Outcomes. <i>Radiology: Cardiothoracic Imaging</i> , <b>2019</b> , 1, e190021	8.3	3
22	Controversies in Diagnostic Imaging of Patients With Suspected Stable and Acute Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 1254-1278	8.4	3
21	Prognostic value of coronary computed tomography angiographic derived fractional flow reserve: a systematic review and meta-analysis. <i>Heart</i> , <b>2021</b> ,	5.1	3

20	CT imaging prior to transcatheter aortic valve implantation in the UK. <i>Open Heart</i> , <b>2020</b> , 7, e001233	3	3
19	CT in planning transcatheter aortic valve implantation procedures and risk assessment. <i>Clinical Radiology</i> , <b>2021</b> , 76, 73.e1-73.e19	2.9	3
18	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> , <b>2016</b> , 89, 20160342	3.4	2
17	Disconnection of pulmonary and systemic arterial stiffness in COPD. <i>International Journal of COPD</i> , <b>2018</b> , 13, 1755-1765	3	2
16	Effect of a calcium deblooming algorithm on accuracy of coronary computed tomography angiography. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2020</b> , 14, 131-136	2.8	2
15	Bacillus anthracis meningitis during an outbreak of injection anthrax, Scotland, UK. <i>Clinical Microbiology and Infection</i> , <b>2015</b> , 21, e49-50	9.5	1
14	Comparative accuracy and cost-effectiveness of dynamic contrast-enhanced CT and positron emission tomography in the characterisation of solitary pulmonary nodules. <i>Thorax</i> , <b>2021</b> ,	7.3	1
13	Research priorities in cardiovascular imaging. <i>Open Heart</i> , <b>2020</b> , 7,	3	1
12	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> , <b>2021</b> , 24, 100349	2.6	1
11	Letter to the editor: Comparing pace and speed in the pulmonary circulation?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H949	5.2	1
10	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> , <b>2021</b> ,	4.1	1
9	Vascular Thrombosis in Severe Coronavirus Disease 2019 Requiring Extracorporeal Membrane Oxygenation: A Multicenter Study. <i>Critical Care Medicine</i> , <b>2021</b> ,	1.4	1
8	Hepatosteatosi and Atherosclerotic Plaque at Coronary CT Angiography.. <i>Radiology: Cardiothoracic Imaging</i> , <b>2022</b> , 4, e210260	8.3	1
7	Allopurinol in Patients with Pulmonary Hypertension Associated with Chronic Lung Disease. <i>International Journal of COPD</i> , <b>2020</b> , 15, 2015-2024	3	0
6	Highlights of the Twelfth Annual Scientific Meeting of the Society of Cardiovascular Computed Tomography. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2018</b> , 12, 3-7	2.8	0
5	Mechanistic study of the effect of Endothelin SNPs in microvascular angina - Protocol of the PRIZE Endothelin Sub-Study.. <i>IJC Heart and Vasculature</i> , <b>2022</b> , 39, 100980	2.4	0
4	015 Prevalence, pattern and significance of late gadolinium enhancement in a healthy asymptomatic cohort. <i>Heart</i> , <b>2016</b> , 102, A5.3-A5	5.1	
3	014 Patterns of early atherosclerosis formation and cardiac remodelling in healthy adults of south asian and european descent. <i>Heart</i> , <b>2016</b> , 102, A5.2-A5	5.1	

2	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> , <b>2016</b> , 71, 1311	2.9
1	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> , <b>2022</b> , 26, 1-180	4.4