

Nitesh Nerlekar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

1,159

citations

20

h-index

31

g-index

92

ext. papers

1,618

ext. citations

5.4

avg, IF

4.51

L-index

#	Paper	IF	Citations
83	Transluminal attenuation gradient in coronary computed tomography angiography is a novel noninvasive approach to the identification of functionally significant coronary artery stenosis: a comparison with fractional flow reserve. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 1271-9	15.1	124
82	Comparison of diagnostic accuracy of combined assessment using adenosine stress computed tomography perfusion+ computed tomography angiography with transluminal attenuation gradient+ computed tomography angiography against invasive fractional flow reserve. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1904-12	15.1	67
81	Association of Epicardial Adipose Tissue and High-Risk Plaque Characteristics: A Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	66
80	Smart watches for heart rate assessment in atrial arrhythmias. <i>International Journal of Cardiology</i> , 2018 , 266, 124-127	3.2	63
79	Computed Tomographic Coronary Angiography-Derived Plaque Characteristics Predict Major Adverse Cardiovascular Events: A Systematic Review and Meta-Analysis. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e006973	3.9	56
78	Bioprosthetic aortic valve leaflet thrombosis detected by multidetector computed tomography is associated with adverse cerebrovascular events: a meta-analysis of observational studies. <i>EuroIntervention</i> , 2018 , 13, e1748-e1755	3.1	44
77	Percutaneous Coronary Intervention Using Drug-Eluting Stents Versus Coronary Artery Bypass Grafting for Unprotected Left Main Coronary Artery Stenosis: A Meta-Analysis of Randomized Trials. <i>Circulation: Cardiovascular Interventions</i> , 2016 , 9,	6	42
76	Prognostic Value and Risk Continuum of Noninvasive Fractional Flow Reserve Derived from Coronary CT Angiography. <i>Radiology</i> , 2019 , 292, 343-351	20.5	41
75	Intravascular ultrasound guidance improves clinical outcomes during implantation of both first- and second-generation drug-eluting stents: a meta-analysis. <i>EuroIntervention</i> , 2017 , 12, 1632-1642	3.1	37
74	Plaque Structural Stress Estimations Improve Prediction of Future Major Adverse Cardiovascular Events After Intracoronary Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	33
73	Myocardial Infarction Associates With a Distinct Pericoronary Adipose Tissue Radiomic Phenotype: A Prospective Case-Control Study. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2371-2383	8.4	32
72	Association of Volumetric Epicardial Adipose Tissue Quantification and Cardiac Structure and Function. <i>Journal of the American Heart Association</i> , 2018 , 7, e009975	6	32
71	MRI in Patients with Cardiac Implantable Electronic Devices. <i>Radiology</i> , 2018 , 289, 281-292	20.5	30
70	Atrial fibrillation detection using single lead portable electrocardiographic monitoring: a systematic review and meta-analysis. <i>BMJ Open</i> , 2018 , 8, e024178	3	30
69	Perivascular Adipose Tissue and Coronary Atherosclerosis: from Biology to Imaging Phenotyping. <i>Current Atherosclerosis Reports</i> , 2019 , 21, 47	6	27
68	Prediction of Ventricular Arrhythmias With Left Ventricular Mechanical Dispersion: A Systematic Review and Meta-Analysis. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 562-572	8.4	27
67	Epicardial adipose tissue is associated with extent of pneumonia and adverse outcomes in patients with COVID-19. <i>Metabolism: Clinical and Experimental</i> , 2021 , 115, 154436	12.7	27

66	Performance of computed tomography-derived fractional flow reserve using reduced-order modelling and static computed tomography stress myocardial perfusion imaging for detection of haemodynamically significant coronary stenosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 1234-1243	4.1	22
65	320-row CT coronary angiography predicts freedom from revascularisation and acts as a gatekeeper to defer invasive angiography in stable coronary artery disease: a fractional flow reserve-correlated study. <i>European Radiology</i> , 2014 , 24, 738-47	8	21
64	Novel bioabsorbable polymer and polymer-free metallic drug-eluting stents. <i>Journal of Cardiology</i> , 2018 , 71, 435-443	3	20
63	Colchicine--a short history of an ancient drug. <i>Medical Journal of Australia</i> , 2014 , 201, 687-8	4	17
62	Acute chest pain investigation: utility of cardiac CT angiography in guiding troponin measurement. <i>Radiology</i> , 2011 , 260, 381-9	20.5	16
61	Poor Correlation, Reproducibility, and Agreement Between Volumetric Versus Linear Epicardial Adipose Tissue Measurement: A 3D Computed Tomography Versus 2D Echocardiography Comparison. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1035-1036	8.4	15
60	Utility of rotational atherectomy and outcomes over an eight-year period. <i>Catheterization and Cardiovascular Interventions</i> , 2015 , 86, 626-31	2.7	15
59	Quantitative Burden of COVID-19 Pneumonia on Chest CT Predicts Adverse Outcomes: A Post-Hoc Analysis of a Prospective International Registry. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e200389	8.3	13
58	Pre-operative Bariatric Clinic Attendance Is a Predictor of Post-operative Clinic Attendance and Weight Loss Outcomes. <i>Obesity Surgery</i> , 2019 , 29, 2270-2275	3.7	12
57	The ASLA Score: A CT Angiographic Index to Predict Functionally Significant Coronary Stenoses in Lesions with Intermediate Severity-Diagnostic Accuracy. <i>Radiology</i> , 2015 , 276, 91-101	20.5	12
56	The Natural history of Epicardial Adipose Tissue Volume and Attenuation: A long-term prospective cohort follow-up study. <i>Scientific Reports</i> , 2020 , 10, 7109	4.9	12
55	Imaging of coronary atherosclerosis in various susceptible groups. <i>Cardiovascular Diagnosis and Therapy</i> , 2016 , 6, 382-95	2.6	12
54	Remnant cholesterol and coronary atherosclerotic plaque burden assessed by computed tomography coronary angiography. <i>Atherosclerosis</i> , 2019 , 284, 24-30	3.1	11
53	Epicardial adipose tissue and myocardial ischemia assessed by computed tomography perfusion imaging and invasive fractional flow reserve. <i>Journal of Cardiovascular Computed Tomography</i> , 2017 , 11, 46-53	2.8	10
52	Effect of exercise on epicardial adipose tissue in adults: a systematic review and meta-analyses. <i>Heart Failure Reviews</i> , 2021 , 26, 1399-1411	5	10
51	Impact of heart rate on diagnostic accuracy of second generation 320-detector computed tomography coronary angiography. <i>Cardiovascular Diagnosis and Therapy</i> , 2017 , 7, 296-304	2.6	10
50	Utility of photoplethysmography for heart rate estimation among inpatients. <i>Internal Medicine Journal</i> , 2018 , 48, 587-591	1.6	9
49	Identification of concomitant ruptured plaque and intracoronary thrombus by optical coherence tomography. <i>Lancet, The</i> , 2014 , 383, e11	40	9

48	Periprocedural Myocardial Injury Predicts Short- and Long-Term Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Circulation: Cardiovascular Interventions</i> , 2018 , 11, e007106	6	9
47	Retrospective Cohort Study Examining Reduced Intensity and Duration of Anticoagulant and Antiplatelet Therapy Following Left Atrial Appendage Occlusion with the WATCHMAN Device. <i>Heart Lung and Circulation</i> , 2017 , 26, 477-485	1.8	8
46	Invasive assessment of the coronary microcirculation in the catheter laboratory. <i>International Journal of Cardiology</i> , 2015 , 199, 141-9	3.2	8
45	Comparison of Coronary Atherosclerotic Plaque Burden and Composition as Assessed on Coronary Computed Tomography Angiography in East Asian and European-Origin Caucasians. <i>American Journal of Cardiology</i> , 2019 , 124, 1012-1019	3	8
44	Application of the DILEMMA score to improve lesion selection for invasive physiological assessment. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 94, E96-E103	2.7	8
43	Metabolic syndrome and risk of stroke: Protocol for an update systematic review and meta-analysis. <i>Medicine (United States)</i> , 2018 , 97, e9862	1.8	7
42	Metabolic syndrome, fatty liver, and artificial intelligence-based epicardial adipose tissue measures predict long-term risk of cardiac events: a prospective study. <i>Cardiovascular Diabetology</i> , 2021 , 20, 27	8.7	6
41	Midterm Safety and Efficacy of ABSORB Bioresorbable Vascular Scaffold Versus Everolimus-Eluting Metallic Stent: An Updated Meta-Analysis. <i>JACC: Cardiovascular Interventions</i> , 2017 , 10, 308-310	5	5
40	The effect of combined ezetimibe and statin therapy versus statin therapy alone on coronary plaque volume assessed by intravascular ultrasound: A systematic review and meta-analysis. <i>Journal of Clinical Lipidology</i> , 2018 , 12, 1133-1140.e15	4.9	5
39	Is spontaneous coronary artery dissection (SCAD) related to vascular inflammation and epicardial fat? -insights from computed tomography coronary angiography. <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 239-241	2.6	4
38	Optical Coherence Tomography Guided Percutaneous Coronary Intervention. <i>Heart Lung and Circulation</i> , 2017 , 26, 1267-1276	1.8	4
37	Abnormal left ventricular contractile response to exercise in the absence of obstructive coronary artery disease is associated with resting left ventricular long-axis dysfunction. <i>Journal of the American Society of Echocardiography</i> , 2015 , 28, 95-105	5.8	4
36	Association between socioeconomic status and incident atrial fibrillation. <i>Internal Medicine Journal</i> , 2019 , 49, 1244-1251	1.6	4
35	Off- vs. On-Pump Coronary Artery Bypass Grafting Long-Term Survival is Driven by Incompleteness of Revascularisation. <i>Heart Lung and Circulation</i> , 2020 , 29, 149-155	1.8	4
34	Systematic review and meta-analysis of the clinical characteristics and outcomes of spontaneous coronary artery dissection. <i>International Journal of Cardiology</i> , 2021 , 322, 34-39	3.2	4
33	An Unusual Finding of a Double Orifice Mitral Valve in a Patient With Holt-Oram Syndrome. <i>Heart Lung and Circulation</i> , 2019 , 28, e99-e100	1.8	3
32	High-density lipoprotein-cholesterol functionality and metabolic syndrome: Protocol for review and meta-analysis. <i>Medicine (United States)</i> , 2018 , 97, e11094	1.8	3
31	The utility of coronary computed tomography angiography in elderly patients. <i>Journal of Geriatric Cardiology</i> , 2019 , 16, 507-513	1.7	3

30	Cholesterol crystal-induced coronary inflammation: Insights from optical coherence tomography and pericoronary adipose tissue computed tomography attenuation. <i>Journal of Cardiovascular Computed Tomography</i> , 2020 , 14, 277-278	2.8	3
29	Pericoronary Adipose Tissue Attenuation Is Associated with High-Risk Plaque and Subsequent Acute Coronary Syndrome in Patients with Stable Coronary Artery Disease. <i>Cells</i> , 2021 , 10,	7.9	3
28	Polymer-free versus permanent polymer-coated drug eluting stents for the treatment of coronary artery disease: A meta-analysis of randomized trials. <i>Journal of Interventional Cardiology</i> , 2018 , 31, 608-618	1.8	3
27	The evolving role of cardiac magnetic resonance imaging in the assessment of cardiovascular disease. <i>Australian Family Physician</i> , 2016 , 45, 761-764		3
26	Epicardial adipose tissue and metabolic syndrome: An update protocol for systematic review and meta-analysis. <i>Medicine (United States)</i> , 2018 , 97, e0387	1.8	2
25	Drug eluting versus bare metal stents for percutaneous coronary intervention of saphenous vein graft lesions: An updated meta-analysis of randomized controlled trials. <i>Cardiovascular Revascularization Medicine</i> , 2018 , 19, 837-844	1.6	2
24	Statins in adult patients with HIV: Protocol for a systematic review and network meta-analysis. <i>Medicine (United States)</i> , 2018 , 97, e0116	1.8	2
23	Epicardial adipose tissue and carotid artery disease: Protocol for systematic review and meta-analysis. <i>Medicine (United States)</i> , 2018 , 97, e0273	1.8	2
22	Diagnostic accuracy of ASLA score (a novel CT angiographic index) and aggregate plaque volume in the assessment of functional significance of coronary stenosis. <i>International Journal of Cardiology</i> , 2018 , 270, 343-348	3.2	2
21	Beyond FAMOUS-NSTEMI: the evolving role of fractional flow reserve in patients with acute coronary syndromes. <i>Coronary Artery Disease</i> , 2015 , 26 Suppl 1, e27-34	1.4	2
20	Radiomics-Based Precision Phenotyping Identifies Unstable Coronary Plaques From Computed Tomography Angiography.. <i>JACC: Cardiovascular Imaging</i> , 2022 , 15, 859-871	8.4	2
19	Influence of operator expertise and coronary luminal segmentation technique on diagnostic performance, precision and reproducibility of reduced-order CT-derived fractional flow reserve technique. <i>Journal of Cardiovascular Computed Tomography</i> , 2020 , 14, 356-362	2.8	2
18	Feasibility of exercise stress echocardiography for cardiac risk assessment in chronic kidney disease patients prior to renal transplantation. <i>Clinical Transplantation</i> , 2016 , 30, 1209-1215	3.8	2
17	Quantitative and Qualitative Coronary Plaque Assessment Using Computed Tomography Coronary Angiography: A Comparison With Intravascular Ultrasound. <i>Heart Lung and Circulation</i> , 2020 , 29, 883-893	1.8	2
16	Successful percutaneous closure of an extremely large secundum atrial septal defect during pregnancy. <i>Cardiovascular Diagnosis and Therapy</i> , 2017 , 7, 336-339	2.6	1
15	Percutaneous closure of three atrial septal defects with three interleaved atrial septal occluders in an adult patient. <i>International Journal of Cardiology</i> , 2016 , 209, 7-8	3.2	1
14	Peripheral air embolism. <i>Lancet, The</i> , 2013 , 382, 1070	4.0	1
13	Size matching in heart transplantation: Is predicted heart mass the optimal method in a United Kingdom cohort?. <i>Clinical Transplantation</i> , 2021 , 35, e14192	3.8	1

12	Ischemic Myocardial Burden Subtended by Computed Tomography-Derived Fractional Flow Reserve (APPROACH): An Exploratory Analysis on Diagnostic Performance. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2264-2267	8.4	1
11	A prospective natural history study of coronary atherosclerosis following liver transplantation.. <i>Atherosclerosis</i> , 2022 , 344, 40-48	3.1	0
10	Coronary computed tomography angiography-based assessment of vascular inflammation in patients with obstructive sleep apnoea and coronary artery disease.. <i>Cardiovascular Diagnosis and Therapy</i> , 2022 , 12, 123-134	2.6	0
9	Ethnic differences in coronary anatomy, left ventricular mass and CT-derived fractional flow reserve. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 249-257	2.8	0
8	CT Coronary Angiography in Kidney Transplantation Candidates. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 328-9	8.4	0
7	Effect of aorto-ventricular angulation on procedural success in transcatheter aortic valve replacements with the Lotus Valve system. <i>Catheterization and Cardiovascular Interventions</i> , 2018 , 91, 1365-1370	2.7	0
6	Late presentation of right atrial thrombus following bilateral lung transplant. <i>Asian Cardiovascular and Thoracic Annals</i> , 2017 , 25, 65-66	0.6	
5	Confusion regarding the meaning of the term left ventricular filling pressure given the nonequivalence of left ventricular end-diastolic pressure and mean left atrial pressure. <i>American Heart Journal</i> , 2018 , 196, e1-e2	4.9	
4	Anomalous Coronary Arteries on Computer Tomography Angiography: a Pictorial Review. <i>Current Cardiovascular Imaging Reports</i> , 2017 , 10, 1	0.7	
3	Visible age-related signs in an Arab patient presenting with a myocardial infarction. <i>Journal of the Saudi Heart Association</i> , 2015 , 27, 135-6	0.7	
2	Windsock in the heart. <i>EMA - Emergency Medicine Australasia</i> , 2018 , 30, 130-131	1.5	
1	Percutaneous coronary intervention for stable angina in ORBITA. <i>Lancet, The</i> , 2018 , 392, 25-26	40	