Nitesh Nerlekar

List of Publications by Year
in descending order

89 papers	2,004 citations	257101 24 h-index	276539 41 g-index
92 all docs	92 docs citations	92 times ranked	3230 citing authors

#	Article	IF	Citations
1	Transluminal Attenuation Gradient in Coronary Computed Tomography Angiography Is a Novel Noninvasive Approach to the Identification of Functionally Significant Coronary Artery Stenosis. Journal of the American College of Cardiology, 2013, 61, 1271-1279.	1.2	146
2	Association of Epicardial Adipose Tissue and High‑Risk Plaque Characteristics: A Systematic Review and Meta‑Analysis. Journal of the American Heart Association, 2017, 6, .	1.6	102
3	Smart watches for heart rate assessment in atrial arrhythmias. International Journal of Cardiology, 2018, 266, 124-127.	0.8	96
4	Computed Tomographic Coronary Angiography–Derived Plaque Characteristics Predict Major Adverse Cardiovascular Events. Circulation: Cardiovascular Imaging, 2018, 11, e006973.	1.3	94
5	Prognostic Value and Risk Continuum of Noninvasive Fractional Flow Reserve Derived from Coronary CT Angiography. Radiology, 2019, 292, 343-351.	3.6	89
6	Myocardial Infarction Associates With a Distinct Pericoronary Adipose Tissue Radiomic Phenotype. JACC: Cardiovascular Imaging, 2020, 13, 2371-2383.	2.3	86
7	Bioprosthetic aortic valve leaflet thrombosis detected by multidetector computed tomography is associated with adverse cerebrovascular events: a meta-analysis of observational studies. EuroIntervention, 2018, 13, e1748-e1755.	1.4	75
8	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. Journal of the American College of Cardiology, 2014, 63, 1904-1912.	1.2	72
9	Perivascular Adipose Tissue and Coronary Atherosclerosis: from Biology to Imaging Phenotyping. Current Atherosclerosis Reports, 2019, 21, 47.	2.0	67
10	Percutaneous Coronary Intervention Using Drug-Eluting Stents Versus Coronary Artery Bypass Grafting for Unprotected Left Main Coronary Artery Stenosis. Circulation: Cardiovascular Interventions, 2016, 9, .	1.4	61
11	Prediction of Ventricular Arrhythmias With Left Ventricular Mechanical Dispersion. JACC: Cardiovascular Imaging, 2020, 13, 562-572.	2.3	57
12	Plaque Structural Stress Estimations Improve Prediction of Future Major Adverse Cardiovascular Events After Intracoronary Imaging. Circulation: Cardiovascular Imaging, 2016, 9, .	1.3	55
13	Association of Volumetric Epicardial Adipose Tissue Quantification and Cardiac Structure and Function. Journal of the American Heart Association, 2018, 7, e009975.	1.6	55
14	Atrial fibrillation detection using single lead portable electrocardiographic monitoring: a systematic review and meta-analysis. BMJ Open, 2018, 8, e024178.	0.8	53
15	Epicardial adipose tissue is associated with extent of pneumonia and adverse outcomes in patients with COVID-19. Metabolism: Clinical and Experimental, 2021, 115, 154436.	1.5	48
16	MRI in Patients with Cardiac Implantable Electronic Devices. Radiology, 2018, 289, 281-292.	3.6	47
17	Intravascular ultrasound guidance improves clinical outcomes during implantation of both first- and second-generation drug-eluting stents: a meta-analysis. EuroIntervention, 2017, 12, 1632-1642.	1.4	47
18	Remnant cholesterol and coronary atherosclerotic plaque burden assessed by computed tomography coronary angiography. Atherosclerosis, 2019, 284, 24-30.	0.4	37

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19	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. European Heart Journal Cardiovascular Imaging, 2018, 19, 1234-1243.	0.5	33
20	Metabolic syndrome, fatty liver, and artificial intelligence-based epicardial adipose tissue measures predict long-term risk of cardiac events: a prospective study. Cardiovascular Diabetology, 2021, 20, 27.	2.7	33
21	Quantitative Burden of COVID-19 Pneumonia at Chest CT Predicts Adverse Outcomes: A Post Hoc Analysis of a Prospective International Registry. Radiology: Cardiothoracic Imaging, 2020, 2, e200389.	0.9	32
22	Colchicine â€" a short history of an ancient drug. Medical Journal of Australia, 2014, 201, 687-688.	0.8	29
23	Novel bioabsorbable polymer and polymer-free metallic drug-eluting stents. Journal of Cardiology, 2018, 71, 435-443.	0.8	29
24	Poor Correlation, Reproducibility, and Agreement Between Volumetric Versus Linear Epicardial Adipose Tissue Measurement. JACC: Cardiovascular Imaging, 2018, 11, 1035-1036.	2.3	27
25	The Natural history of Epicardial Adipose Tissue Volume and Attenuation: A long-term prospective cohort follow-up study. Scientific Reports, 2020, 10, 7109.	1.6	25
26	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. European Radiology, 2014, 24, 738-747.	2.3	24
27	Radiomics-Based Precision PhenotypingÂIdentifies Unstable Coronary Plaques From Computed Tomography Angiography. JACC: Cardiovascular Imaging, 2022, 15, 859-871.	2.3	24
28	Pericoronary Adipose Tissue Attenuation Is Associated with High-Risk Plaque and Subsequent Acute Coronary Syndrome in Patients with Stable Coronary Artery Disease. Cells, 2021, 10, 1143.	1.8	23
29	Acute Chest Pain Investigation: Utility of Cardiac CT Angiography in Guiding Troponin Measurement. Radiology, 2011, 260, 381-389.	3.6	22
30	Periprocedural Myocardial Injury Predicts Short- and Long-Term Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement. Circulation: Cardiovascular Interventions, 2018, 11, e007106.	1.4	22
31	Effect of exercise on epicardial adipose tissue in adults: a systematic review and meta-analyses. Heart Failure Reviews, 2021, 26, 1399-1411.	1.7	21
32	Epicardial adipose tissue and myocardial ischemia assessed by computed tomography perfusion imaging and invasive fractional flow reserve. Journal of Cardiovascular Computed Tomography, 2017, 11, 46-53.	0.7	19
33	Utility of photoplethysmography for heart rate estimation among inpatients. Internal Medicine Journal, 2018, 48, 587-591.	0.5	18
34	The ASLA Score: A CT Angiographic Index to Predict Functionally Significant Coronary Stenoses in Lesions with Intermediate Severityâ€"Diagnostic Accuracy. Radiology, 2015, 276, 91-101.	3.6	17
35	Pre-operative Bariatric Clinic Attendance Is a Predictor of Post-operative Clinic Attendance and Weight Loss Outcomes. Obesity Surgery, 2019, 29, 2270-2275.	1.1	17
36	Utility of rotational atherectomy and outcomes over an eightâ€year period. Catheterization and Cardiovascular Interventions, 2015, 86, 626-631.	0.7	16

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37	Systematic review and meta-analysis of the clinical characteristics and outcomes of spontanous coronary artery dissection. International Journal of Cardiology, 2021, 322, 34-39.	0.8	14
38	Imaging of coronary atherosclerosis in various susceptible groups. Cardiovascular Diagnosis and Therapy, 2016, 6, 382-395.	0.7	13
39	Comparison of Coronary Atherosclerotic Plaque Burden and Composition as Assessed on Coronary Computed Tomography Angiography in East Asian and European-Origin Caucasians. American Journal of Cardiology, 2019, 124, 1012-1019.	0.7	13
40	Invasive assessment of the coronary microcirculation in the catheter laboratory. International Journal of Cardiology, 2015, 199, 141-149.	0.8	12
41	Impact of heart rate on diagnostic accuracy of second generation 320-detector computed tomography coronary angiography. Cardiovascular Diagnosis and Therapy, 2017, 7, 296-304.	0.7	12
42	Polymer–free versus permanent polymer–coated drug eluting stents for the treatment of coronary artery disease: A meta–analysis of randomized trials. Journal of Interventional Cardiology, 2018, 31, 608-616.	0.5	12
43	Retrospective Cohort Study Examining Reduced Intensity and Duration of Anticoagulant and Antiplatelet Therapy Following Left Atrial Appendage Occlusion with the WATCHMAN Device. Heart Lung and Circulation, 2017, 26, 477-485.	0.2	11
44	Association between socioeconomic status and incident atrial fibrillation. Internal Medicine Journal, 2019, 49, 1244-1251.	0.5	11
45	Off- vs. On-Pump Coronary Artery Bypass Grafting Long-Term Survival is Driven by Incompleteness of Revascularisation. Heart Lung and Circulation, 2020, 29, 149-155.	0.2	11
46	Identification of concomitant ruptured plaque and intracoronary thrombus by optical coherence tomography. Lancet, The, 2014, 383, e11.	6.3	9
47	Metabolic syndrome and risk of stroke. Medicine (United States), 2018, 97, e9862.	0.4	9
48	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. Journal of Clinical Lipidology, 2018, 12, 1133-1140.e15.	0.6	9
49	Application of the DILEMMA score to improve lesion selection for invasive physiological assessment. Catheterization and Cardiovascular Interventions, 2019, 94, E96-E103.	0.7	9
50	Is spontaneous coronary artery dissection (SCAD) related to vascular inflammation and epicardial fat? â€"insights from computed tomography coronary angiography. Cardiovascular Diagnosis and Therapy, 2020, 10, 239-241.	0.7	9
51	Diabetes mellitus is independently associated with early stent thrombosis in patients undergoing drug eluting stent implantation: Analysis from the Victorian cardiac outcomes registry. Catheterization and Cardiovascular Interventions, 2022, 99, 554-562.	0.7	9
52	Size matching in heart transplantation: Is predicted heart mass the optimal method in a United Kingdom cohort?. Clinical Transplantation, 2021, 35, e14192.	0.8	9
53	Feasibility of exercise stress echocardiography for cardiac risk assessment in chronic kidney disease patients prior to renal transplantation. Clinical Transplantation, 2016, 30, 1209-1215.	0.8	8
54	Optical Coherence Tomography Guided Percutaneous Coronary Intervention. Heart Lung and Circulation, 2017, 26, 1267-1276.	0.2	8

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55	Abnormal Left Ventricular Contractile Response to Exercise in the Absence of Obstructive Coronary Artery Disease Is Associated with Resting Left Ventricular Long-Axis Dysfunction. Journal of the American Society of Echocardiography, 2015, 28, 95-105.	1.2	7
56	Midterm Safety and Efficacy of ABSORB Bioresorbable Vascular Scaffold Versus Everolimus-Eluting Metallic Stent. JACC: Cardiovascular Interventions, 2017, 10, 308-310.	1.1	7
57	Ischemic Myocardial Burden Subtended by Computed Tomography–Derived Fractional Flow Reserve (APPROACHFFRCT). JACC: Cardiovascular Imaging, 2020, 13, 2264-2267.	2.3	7
58	The utility of coronary computed tomography angiography in elderly patients. Journal of Geriatric Cardiology, 2019, 16, 507-513.	0.2	7
59	Quantitative and Qualitative Coronary Plaque Assessment Using Computed Tomography Coronary Angiography: A Comparison With Intravascular Ultrasound. Heart Lung and Circulation, 2020, 29, 883-893.	0.2	6
60	Cholesterol crystal-induced coronary inflammation: Insights from optical coherence tomography and pericoronary adipose tissue computed tomography attenuation. Journal of Cardiovascular Computed Tomography, 2020, 14, 277-278.	0.7	6
61	Diagnostic accuracy of ASLA score (a novel CT angiographic index) and aggregate plaque volume in the assessment of functional significance of coronary stenosis. International Journal of Cardiology, 2018, 270, 343-348.	0.8	5
62	Influence of operator expertise and coronary luminal segmentation technique on diagnostic performance, precision and reproducibility of reduced-order CT-derived fractional flow reserve technique. Journal of Cardiovascular Computed Tomography, 2020, 14, 356-362.	0.7	5
63	Ethnic differences in coronary anatomy, left ventricular mass and CT-derived fractional flow reserve. Journal of Cardiovascular Computed Tomography, 2021, 15, 249-257.	0.7	5
64	A prospective natural history study of coronary atherosclerosis following liver transplantation. Atherosclerosis, 2022, 344, 40-48.	0.4	5
65	Statins in adult patients with HIV. Medicine (United States), 2018, 97, e0116.	0.4	4
66	Atherogenic index of plasma is associated with epicardial adipose tissue volume assessed on coronary computed tomography angiography. Scientific Reports, 2022, 12, .	1.6	4
67	High-density lipoprotein-cholesterol functionality and metabolic syndrome. Medicine (United States), 2018, 97, e11094.	0.4	3
68	An Unusual Finding of a Double Orifice Mitral Valve in a Patient With Holt-Oram Syndrome. Heart Lung and Circulation, 2019, 28, e99-e100.	0.2	3
69	The evolving role of cardiac magnetic resonance imaging in the assessment of cardiovascular disease. Australian Family Physician, 2016, 45, 761-764.	0.5	3
70	Peripheral air embolism. Lancet, The, 2013, 382, 1070.	6.3	2
71	Beyond FAMOUS-NSTEMI. Coronary Artery Disease, 2015, 26, e27-e34.	0.3	2
72	Successful percutaneous closure of an extremely large secundum atrial septal defect during pregnancy. Cardiovascular Diagnosis and Therapy, 2017, 7, 336-339.	0.7	2

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73	Epicardial adipose tissue and metabolic syndrome. Medicine (United States), 2018, 97, e0387.	0.4	2
74	Drug eluting versus bare metal stents for percutaneous coronary intervention of saphenous vein graft lesions: An updated meta-analysis of randomized controlled trials. Cardiovascular Revascularization Medicine, 2018, 19, 837-844.	0.3	2
75	Effect of aorto€ventricular angulation on procedural success in transcatheter aortic valve replacements with the <scp>L</scp>otus <scp>V</scp>alve system. Catheterization and Cardiovascular Interventions, 2018, 91, 1365-1370.	0.7	2
76	Epicardial adipose tissue and carotid artery disease. Medicine (United States), 2018, 97, e0273.	0.4	2
77	CT Coronary Angiography in Kidney Transplantation Candidates. JACC: Cardiovascular Imaging, 2016, 9, 328-329.	2.3	1
78	Percutaneous closure of three atrial septal defects with three interleaved atrial septal occluders in an adult patient. International Journal of Cardiology, 2016, 209, 7-8.	0.8	1
79	Anomalous Coronary Arteries on Computer Tomography Angiography: a Pictorial Review. Current Cardiovascular Imaging Reports, 2017, 10, 1.	0.4	1
80	Coronary computed tomography angiography-based assessment of vascular inflammation in patients with obstructive sleep apnoea and coronary artery disease. Cardiovascular Diagnosis and Therapy, 2022, 12, 123-134.	0.7	1
81	Pericoronary Adipose Tissue. JACC: Cardiovascular Imaging, 2022, , .	2.3	1
82	Breast arterial calcification and epicardial adipose tissue volume, but not density are independently associated with cardiovascular risk. International Journal of Cardiology, 2022, 360, 78-82.	0.8	1
83	Visible age-related signs in an Arab patient presenting with a myocardial infarction. Journal of the Saudi Heart Association, 2015, 27, 135-136.	0.2	0
84	Late presentation of right atrial thrombus following bilateral lung transplant. Asian Cardiovascular and Thoracic Annals, 2017, 25, 65-66.	0.2	0
85	TCT-121 Bioprosthetic aortic valve leaflet thrombosis detected by multidetector computed tomography is associated with adverse cerebrovascular events: a meta-analysis of observational studies. Journal of the American College of Cardiology, 2017, 70, B54-B55.	1.2	0
86	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. American Heart Journal, 2018, 196, e1-e2.	1.2	0
87	Windsock in the heart. EMA - Emergency Medicine Australasia, 2018, 30, 130-131.	0.5	0
88	Percutaneous coronary intervention for stable angina in ORBITA. Lancet, The, 2018, 392, 25-26.	6.3	0
89	Prognostic Value of Exercise Capacity in Kidney Transplant Candidates. Journal of the American Heart Association, 2022, 11, .	1.6	0