Jelmer Westra

List of Publications by Year
in descending order

34	1,454	566801 15	433756 31
papers	citations	h-index	g-index

38	38	38	1143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diagnostic Accuracy of Fast Computational Approaches to DeriveÂFractional Flow Reserve FromÂDiagnostic Coronary Angiography. JACC: Cardiovascular Interventions, 2016, 9, 2024-2035.	1.1	394
2	Diagnostic Performance of Inâ€Procedure Angiographyâ€Derived Quantitative Flow Reserve Compared to Pressureâ€Derived Fractional Flow Reserve: The FAVOR II Europeâ€Japan Study. Journal of the American Heart Association, 2018, 7, .	1.6	240
3	Evaluation of Coronary Artery Stenosis by Quantitative Flow Ratio During Invasive Coronary Angiography. Circulation: Cardiovascular Imaging, 2018, 11, e007107.	1.3	157
4	Diagnostic performance of angiography-derived fractional flow reserve: a systematic review and Bayesian meta-analysis. European Heart Journal, 2018, 39, 3314-3321.	1.0	116
5	Quantitative Flow Ratio Identifies Nonculprit Coronary Lesions Requiring Revascularization in Patients With ST-Segmentâ€“Elevation Myocardial Infarction and Multivessel Disease. Circulation: Cardiovascular Interventions, 2018, 11, e006023.	1.4	80
6	Diagnostic performance of quantitative flow ratio in prospectively enrolled patients: An individual patientâ€data metaâ€analysis. Catheterization and Cardiovascular Interventions, 2019, 94, 693-701.	0.7	79
7	Fractional flow reserve in clinical practice: from wire-based invasive measurement to image-based computation. European Heart Journal, 2020, 41, 3271-3279.	1.0	69
8	Quantitative flow ratio for immediate assessment of nonculprit lesions in patients with STâ€segment elevation myocardial infarctionâ€”An iSTEMI substudy. Catheterization and Cardiovascular Interventions, 2019, 94, 686-692.	0.7	45
9	Immediate post-procedural functional assessment of percutaneous coronary intervention: current evidence and future directions. European Heart Journal, 2021, 42, 2695-2707.	1.0	34
10	Prediction of Coronary Revascularization in Stable Angina. JACC: Cardiovascular Imaging, 2020, 13, 994-1004.	2.3	27
11	Quantification of disturbed coronary flow by disturbed vorticity index and relation with fractional flow reserve. Atherosclerosis, 2018, 273, 136-144.	0.4	22
12	Pre-test probability prediction in patients with a low to intermediate probability of coronary artery disease: a prospective study with a fractional flow reserve endpoint. European Heart Journal Cardiovascular Imaging, 2019, 20, 1208-1218.	0.5	22
13	A systematic review of imaging anatomy in predicting functional significance of coronary stenoses determined by fractional flow reserve. International Journal of Cardiovascular Imaging, 2017, 33, 975-990.	0.7	21
14	Reproducibility of quantitative flow ratio: the QREP study. EuroIntervention, 2022, 17, 1252-1259.	1.4	19
15	Automatic coronary blood flow computation: validation in quantitative flow ratio from coronary angiography. International Journal of Cardiovascular Imaging, 2019, 35, 587-595.	0.7	16
16	Performance of quantitative flow ratio in patients with aortic stenosis undergoing transcatheter aortic valve implantation. Catheterization and Cardiovascular Interventions, 2022, 99, 68-73.	0.7	15
17	Reproducibility of quantitative flow ratio: An inter-core laboratory variability study. Cardiology Journal, 2020, 27, 230-237.	0.5	14
18	Danish study of Non-Invasive testing in Coronary Artery Disease 2 (Dan-NICAD 2): Study design for a controlled study of diagnostic accuracy. American Heart Journal, 2019, 215, 114-128.	1.2	13

#	Article	IF	Citations
19	Comparison of quantitative flow ratio and fractional flow reserve with myocardial perfusion scintigraphy and cardiovascular magnetic resonance as reference standard. A Dan-NICAD substudy. International Journal of Cardiovascular Imaging, 2020, 36, 395-402.	0.7	10
20	Polygenic Risk Scoreâ€“Enhanced Risk Stratification of Coronary Artery Disease in Patients With Stable Chest Pain. Circulation Genomic and Precision Medicine, 2021, 14, e003298.	1.6	9
21	Advanced heart sound analysis as a new prognostic marker in stable coronary artery disease. European Heart Journal Digital Health, 2021, 2, 279-289.	0.7	8
22	Accuracy of 3-dimensional and 2-dimensional quantitative coronary angiography for predicting physiological significance of coronary stenosis: a FAVOR II substudy. Cardiovascular Diagnosis and Therapy, 2019, 9, 481-491.	0.7	7
23	One-step anatomic and function testing by cardiac CT versus second-line functional testing in symptomatic patients with coronary artery stenosis: head-to-head comparison of CT-derived fractional flow reserve and myocardial perfusion imaging. EuroIntervention, 2021, 17, 576-583.	1.4	7
24	Impact of coronary plaque morphology on the precision of computational fractional flow reserve derived from optical coherence tomography imaging. Cardiovascular Diagnosis and Therapy, 2022, 12, 155-165.	0.7	7
25	Validation and update of the minimal risk tool in patients suspected of chronic coronary syndrome. International Journal of Cardiovascular Imaging, 2021, 37, 699-706.	0.7	6
26	Overview of Quantitative Flow Ratio and Optical Flow Ratio in the Assessment of Intermediate Coronary Lesions. US Cardiology Review, 0, 14, .	0.5	5
27	TCT-10 Physiological testing of coronary artery stenosis by computation of invasive coronary angiography. The wire-free functional imaging (WIFI-II) study. Journal of the American College of Cardiology, 2016, 68, B4-B5.	1.2	2
28	Characterization of quantitative flow ratio and fractional flow reserve discordance using doppler flow and clinical follow-up. International Journal of Cardiovascular Imaging, 2022, 38, 1181-1190.	0.7	2
29	Prognostic value of microvascular resistance and its association to fractional flow reserve: a DEFINE-FLOW substudy. Open Heart, 2022, 9, e001981.	0.9	2
30	Physiological assessment of non-culprit stenoses during acute coronary syndromes. European Heart Journal, 2020, 41, 2598-2598.	1.0	1
31	Resting distal to aortic pressure ratio and fractional flow reserve discordance affects the diagnostic performance of quantitative flow ratio: Results from an individual patient data metaâ€analysis. Catheterization and Cardiovascular Interventions, 2021, 97, 825-832.	0.7	1
32	RISK STRATIFICATION OF PATIENTS SUSPECTED OF CORONARY ARTERY DISEASE USING AN ACOUSTIC DETECTION ALGORITHM. Journal of the American College of Cardiology, 2017, 69, 80.	1.2	0
33	An augmented Pd/Pa response after contrast injection during intravenous adenosine-induced hyperemia. Coronary Artery Disease, 2018, 29, 609-610.	0.3	0
34	Letter by Westra et al Regarding Article, â€œAccuracy of Fractional Flow Reserve Derived From Coronary Angiographyâ€• Circulation, 2019, 140, e94-e95.	1.6	0