Jeroen Sonck

List of Publications by Year in descending order

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59 papers	1,694 citations	394421 19 h-index	289244 40 g-index
59 all docs	59 docs citations	59 times ranked	1740 citing authors

#	Article	IF	Citations
1	Real-world clinical utility and impact on clinical decision-making of coronary computed tomography angiography-derived fractional flow reserve: lessons from the ADVANCE Registry. European Heart Journal, 2018, 39, 3701-3711.	2.2	214
2	1-Year Impact on Medical Practice and Clinical Outcomes of FFRCT. JACC: Cardiovascular Imaging, 2020, 13, 97-105.	5.3	204
3	Coronary computed tomography angiography for heart team decision-making in multivessel coronary artery disease. European Heart Journal, 2018, 39, 3689-3698.	2.2	140
4	Measurement of Hyperemic Pullback Pressure Gradients to Characterize Patterns of Coronary Atherosclerosis. Journal of the American College of Cardiology, 2019, 74, 1772-1784.	2.8	129
5	Diagnostic performance of angiography-derived fractional flow reserve: a systematic review and Bayesian meta-analysis. European Heart Journal, 2018, 39, 3314-3321.	2.2	116
6	Fractional Flow Reserve Derived From Computed Tomographic Angiography in Patients With Multivessel CAD. Journal of the American College of Cardiology, 2018, 71, 2756-2769.	2.8	92
7	The neurotoxicity and safety of treatment with cefepime in patients with renal failure. Nephrology Dialysis Transplantation, 2007, 23, 966-970.	0.7	90
8	Clinical Outcomes Following Coronary Bifurcation PCI Techniques. JACC: Cardiovascular Interventions, 2020, 13, 1432-1444.	2.9	78
9	Impact of Fractional Flow Reserve Derived From Coronary Computed Tomography Angiography on Heart Team Treatment Decision-Making in Patients With Multivessel Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2019, 12, e007607.	3.9	76
10	Air pollution and ST-elevation myocardial infarction: A case-crossover study of the Belgian STEMI registry 2009â€“2013. International Journal of Cardiology, 2016, 223, 300-305.	1.7	68
11	Clinical Validation of a Virtual Planner for Coronary Interventions Based on Coronary CT Angiography. JACC: Cardiovascular Imaging, 2022, 15, 1242-1255.	5.3	36
12	CT Perfusion Versus Coronary CT Angiography in Patients With Suspected In-Stent Restenosis or CAD Progression. JACC: Cardiovascular Imaging, 2020, 13, 732-742.	5.3	35
13	FFRCT and CT perfusion: A review on the evaluation of functional impact of coronary artery stenosis by cardiac CT. International Journal of Cardiology, 2020, 300, 289-296.	1.7	29
14	Plaque quantification by coronary computed tomography angiography using intravascular ultrasound as a reference standard: a comparison between standard and last generation computed tomography scanners. European Heart Journal Cardiovascular Imaging, 2020, 21, 191-201.	1.2	26
15	Risk of myocardial infarction based on endothelial shear stress analysis using coronary angiography. Atherosclerosis, 2022, 342, 28-35.	0.8	25
16	Feasibility of planning coronary artery bypass grafting based only on coronary computed tomography angiography and CT-derived fractional flow reserve: a pilot survey of the surgeons involved in the randomized SYNTAX III Revolution trial. Interactive Cardiovascular and Thoracic Surgery, 2019, 29, 209-216.	1.1	24
17	Implementing Coronary Computed Tomography Angiography in the Catheterization Laboratory. JACC: Cardiovascular Imaging, 2021, 14, 1846-1855.	5.3	23
18	Acute procedural and six-month clinical outcome in patients treated with a dedicated bifurcation stent for left main stem disease: the TRYTON LM multicentre registry. EuroIntervention, 2013, 8, 1259-1269.	3.2	22

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19	Invasive Coronary Physiology After StentÂImplantation. JACC: Cardiovascular Interventions, 2021, 14, 237-246.	2.9	21
20	Impact of Coronary Remodeling on Fractional Flow Reserve. Circulation, 2018, 137, 747-749.	1.6	20
21	Trans-lesional fractional flow reserve gradient as derived from coronary CT improves patient management: ADVANCE registry. Journal of Cardiovascular Computed Tomography, 2022, 16, 19-26.	1.3	20
22	Duration of Hyperemia With Intracoronary Administration of Papaverine. Journal of the American Heart Association, 2021, 10, e018562.	3.7	19
23	Quantification of calcium burden by coronary CT angiography compared to optical coherence tomography. International Journal of Cardiovascular Imaging, 2020, 36, 2393-2402.	1.5	17
24	Rationale and design of the precise percutaneous coronary intervention plan (<scp>P3</scp>) study: Prospective evaluation of a virtual computed tomographyâ€based percutaneous intervention planner. Clinical Cardiology, 2021, 44, 446-454.	1.8	14
25	A new method for real-time co-registration of 3D coronary angiography and intravascular ultrasound or optical coherence tomography. Cardiovascular Revascularization Medicine, 2014, 15, 226-232.	0.8	13
26	Evaluation of epicardial coronary resistance using computed tomography angiography: A Proof of Concept. Journal of Cardiovascular Computed Tomography, 2020, 14, 177-184.	1.3	13
27	Rationale and design of advantage (additional diagnostic value of CT perfusion over coronary CT) Tj ETQq1 1 0.784314 rgBT /Overloc	1.3	9
28	Contemporary Management of Stable Coronary Artery Disease. High Blood Pressure and Cardiovascular Prevention, 2022, 29, 207-219.	2.2	9
29	Anomalous right coronary artery in a middle-aged patient. Medicine (United States), 2016, 95, e5508.	1.0	8
30	Hyperemic hemodynamic characteristics of serial coronary lesions assessed by pullback pressure gradients. Catheterization and Cardiovascular Interventions, 2021, 98, E647-E654.	1.7	8
31	Development, validation, and reproducibility of the pullback pressure gradient (PPG) derived from manual fractional flow reserve pullbacks. Catheterization and Cardiovascular Interventions, 2022, 99, 1518-1525.	1.7	8
32	Graft patency and progression of coronary artery disease after CABG assessed by angiography-derived fractional flow reserve. International Journal of Cardiology, 2020, 316, 19-25.	1.7	7
33	Assessing the landscape of percutaneous coronary chronic total occlusion treatment in Belgium and Luxembourg: the Belgian Working Group on Chronic Total Occlusions (BWGCTO) registry. Acta Cardiologica, 2018, 73, 427-436.	0.9	6
34	The clinical utility of FFRCT stratified by age. Journal of Cardiovascular Computed Tomography, 2021, 15, 121-128.	1.3	6
35	Coronary CT Angiography to Guide Percutaneous Coronary Intervention. Radiology: Cardiothoracic Imaging, 2022, 4, .	2.5	6
36	Prospective evaluation of the learning curve and diagnostic accuracy for Pre-TAVI cardiac computed tomography analysis by cardiologists in training: The LEARN-CT study. Journal of Cardiovascular Computed Tomography, 2022, 16, 404-411.	1.3	6

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37	Coronary Artery Bypass Grafting or Fractional Flow Reserveâ€“Guided Percutaneous Coronary Intervention in Diabetic Patients With Multivessel Disease. Circulation: Cardiovascular Interventions, 2020, 13, e009157.	3.9	5
38	Vessel Fractional Flow Reserve and Graft Vasculopathy in Heart Transplant Recipients. Journal of Interventional Cardiology, 2020, 2020, 1-7.	1.2	5
39	Temporal changes in FFRCT-Guided Management of Coronary Artery Disease â€“ Lessons from the ADVANCE Registry. Journal of Cardiovascular Computed Tomography, 2021, 15, 48-55.	1.3	5
40	Impact of coronary calcification assessed by coronary CT angiography on treatment decision in patients with three-vessel CAD: insights from SYNTAX III trial. Interactive Cardiovascular and Thoracic Surgery, 2022, 34, 176-184.	1.1	5
41	Motorized fractional flow reserve pullback: Accuracy and reproducibility. Catheterization and Cardiovascular Interventions, 2020, 96, E230-E237.	1.7	4
42	Mismatch between morphological and functional assessment of the length of coronary artery disease. International Journal of Cardiology, 2021, 334, 1-9.	1.7	4
43	Non-invasive treatment planning of tandem coronary artery lesions using an interactive planner for PCI. EuroIntervention, 2018, 14, 924-925.	3.2	4
44	The Role of Multimodality Imaging for Percutaneous Coronary Intervention in Patients With Chronic Total Occlusions. Frontiers in Cardiovascular Medicine, 2022, 9, 823091.	2.4	4
45	The evolution of the CTO-PCI landscape in Belgium and Luxembourg: a four-year appraisal. Acta Cardiologica, 2021, 76, 1043-1051.	0.9	3
46	Validation of Coronary Angiography-Derived Vessel Fractional Flow Reserve in Heart Transplant Patients with Suspected Graft Vasculopathy. Diagnostics, 2021, 11, 1750.	2.6	3
47	Coronary volume to left ventricular mass ratio in patients with diabetes mellitus. Journal of Cardiovascular Computed Tomography, 2022, 16, 319-326.	1.3	3
48	Clinical relevance of laparoscopically diagnosed hiatal hernia. Surgical Endoscopy and Other Interventional Techniques, 2009, 23, 1093-1098.	2.4	2
49	Loss and retrieval of a coronary angioplasty stent balloon. Cardiovascular Revascularization Medicine, 2013, 14, 248-250.	0.8	2
50	Platypnea-orthodeoxia syndrome: an unusual presentation of a complex disease. Acta Clinica Belgica, 2018, 73, 224-228.	1.2	2
51	Site vs. core laboratory variability in computed tomographic angiography-derived SYNTAX scores in the SYNTAX III trial. European Heart Journal Cardiovascular Imaging, 2021, 22, 1063-1071.	1.2	2
52	Multi-modality imaging in an exceptional case of aborted sudden cardiac death. International Journal of Cardiology, 2014, 171, e57-e58.	1.7	1
53	Thoracoscopic off-pump closure of a large left circumflex coronary artery fistula: A novel minimally invasive approach. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, e159-e161.	0.8	1
54	The TrytonÂ® dedicated bifurcation stent: Five-year clinical outcomes. Cardiovascular Revascularization Medicine, 2019, 20, 316-323.	0.8	1

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55	Additional Diagnostic Value of CT Perfusion Over Coronary CT Angiography in Patients with Suspected In-stent Restenosis or Coronary Artery Disease Progression The ADVANTAGE Prospective Study. Journal of Cardiovascular Computed Tomography, 2019, 13, S6.	1.3	1
56	Impact of non-invasive anatomical testing on optimal medical prescription in patients with suspected coronary artery disease. Cardiovascular Diagnosis and Therapy, 2019, 9, 221-228.	1.7	0
57	Virtual Fractional Flow Reserve in Heart Transplant Recipients with and without Graft Vasculopathy. Journal of Heart and Lung Transplantation, 2020, 39, S76-S77.	0.6	0
58	Cardiac Care of Non-COVID-19 Patients During the SARS-CoV-2 Pandemic: The Pivotal Role of CCTA. Frontiers in Cardiovascular Medicine, 2021, 8, 775115.	2.4	0
59	First report of totally robotically assisted hybrid coronary artery revascularization combining REâ€MIDCAB and Râ€PCI: Case report. Journal of Cardiac Surgery, 0, , .	0.7	0