

Jeroen Sonck

List of Publications by Year in descending order

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Version: 2024-02-01

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	Impact of coronary calcification assessed by coronary CT angiography on treatment decision in patients with three-vessel CAD: insights from SYNTAX III trial. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022, 34, 176-184.	1.1	5
2	Trans-lesional fractional flow reserve gradient as derived from coronary CT improves patient management: ADVANCE registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 19-26.	1.3	20
3	Risk of myocardial infarction based on endothelial shear stress analysis using coronary angiography. <i>Atherosclerosis</i> , 2022, 342, 28-35.	0.8	25
4	Coronary CT Angiography to Guide Percutaneous Coronary Intervention. <i>Radiology: Cardiothoracic Imaging</i> , 2022, 4, .	2.5	6
5	Coronary volume to left ventricular mass ratio in patients with diabetes mellitus. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 319-326.	1.3	3
6	Contemporary Management of Stable Coronary Artery Disease. <i>High Blood Pressure and Cardiovascular Prevention</i> , 2022, 29, 207-219.	2.2	9
7	Prospective evaluation of the learning curve and diagnostic accuracy for Pre-TAVI cardiac computed tomography analysis by cardiologists in training: The LEARN-CT study. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 404-411.	1.3	6
8	Development, validation, and reproducibility of the pullback pressure gradient (PPG) derived from manual fractional flow reserve pullbacks. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, 1518-1525.	1.7	8
9	Clinical Validation of a Virtual Planner for Coronary Interventions Based on Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 1242-1255.	5.3	36
10	The Role of Multimodality Imaging for Percutaneous Coronary Intervention in Patients With Chronic Total Occlusions. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 823091.	2.4	4
11	Implementing Coronary Computed Tomography Angiography in the Catheterization Laboratory. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1846-1855.	5.3	23
12	The evolution of the CTO-PCI landscape in Belgium and Luxembourg: a four-year appraisal. <i>Acta Cardiologica</i> , 2021, 76, 1043-1051.	0.9	3
13	Site vs. core laboratory variability in computed tomographic angiography-derived SYNTAX scores in the SYNTAX III trial. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 1063-1071.	1.2	2
14	Temporal changes in FFRCT-Guided Management of Coronary Artery Disease – Lessons from the ADVANCE Registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 48-55.	1.3	5
15	The clinical utility of FFRCT stratified by age. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 121-128.	1.3	6
16	Invasive Coronary Physiology After Stent Implantation. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 237-246.	2.9	21
17	Duration of Hyperemia With Intracoronary Administration of Papaverine. <i>Journal of the American Heart Association</i> , 2021, 10, e018562.	3.7	19
18	Rationale and design of the precise percutaneous coronary intervention plan (P3) study: Prospective evaluation of a virtual computed tomography-based percutaneous intervention planner. <i>Clinical Cardiology</i> , 2021, 44, 446-454.	1.8	14

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19	Hyperemic hemodynamic characteristics of serial coronary lesions assessed by pullback pressure gradients. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, E647-E654.	1.7	8
20	Mismatch between morphological and functional assessment of the length of coronary artery disease. <i>International Journal of Cardiology</i> , 2021, 334, 1-9.	1.7	4
21	Validation of Coronary Angiography-Derived Vessel Fractional Flow Reserve in Heart Transplant Patients with Suspected Graft Vasculopathy. <i>Diagnostics</i> , 2021, 11, 1750.	2.6	3
22	Cardiac Care of Non-COVID-19 Patients During the SARS-CoV-2 Pandemic: The Pivotal Role of CCTA. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 775115.	2.4	0
23	Plaque quantification by coronary computed tomography angiography using intravascular ultrasound as a reference standard: a comparison between standard and last generation computed tomography scanners. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 191-201.	1.2	26
24	1-Year Impact on Medical Practice and Clinical Outcomes of FFRCT. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 97-105.	5.3	204
25	Evaluation of epicardial coronary resistance using computed tomography angiography: A Proof of Concept. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 177-184.	1.3	13
26	FFRCT and CT perfusion: A review on the evaluation of functional impact of coronary artery stenosis by cardiac CT. <i>International Journal of Cardiology</i> , 2020, 300, 289-296.	1.7	29
27	CT Perfusion Versus Coronary CT Angiography in Patients With Suspected In-Stent Restenosis or CAD Progression. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 732-742.	5.3	35
28	Coronary Artery Bypass Grafting or Fractional Flow Reserve-Guided Percutaneous Coronary Intervention in Diabetic Patients With Multivessel Disease. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e009157.	3.9	5
29	Quantification of calcium burden by coronary CT angiography compared to optical coherence tomography. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 2393-2402.	1.5	17
30	Vessel Fractional Flow Reserve and Graft Vasculopathy in Heart Transplant Recipients. <i>Journal of Interventional Cardiology</i> , 2020, 2020, 1-7.	1.2	5
31	Graft patency and progression of coronary artery disease after CABG assessed by angiography-derived fractional flow reserve. <i>International Journal of Cardiology</i> , 2020, 316, 19-25.	1.7	7
32	Clinical Outcomes Following Coronary Bifurcation PCI Techniques. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1432-1444.	2.9	78
33	Virtual Fractional Flow Reserve in Heart Transplant Recipients with and without Graft Vasculopathy. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, S76-S77.	0.6	0
34	Motorized fractional flow reserve pullback: Accuracy and reproducibility. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, E230-E237.	1.7	4
35	The Tryton [®] dedicated bifurcation stent: Five-year clinical outcomes. <i>Cardiovascular Revascularization Medicine</i> , 2019, 20, 316-323.	0.8	1
36	Impact of non-invasive anatomical testing on optimal medical prescription in patients with suspected coronary artery disease. <i>Cardiovascular Diagnosis and Therapy</i> , 2019, 9, 221-228.	1.7	0

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37	Measurement of Hyperemic Pullback Pressure Gradients to Characterize Patterns of Coronary Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1772-1784.	2.8	129
38	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. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 209-216.	1.1	24
39	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. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, S6.	1.3	1
40	Impact of Fractional Flow Reserve Derived From Coronary Computed Tomography Angiography on Heart Team Treatment Decision-Making in Patients With Multivessel Coronary Artery Disease. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007607.	3.9	76
41	Thoracoscopic off-pump closure of a large left circumflex coronary artery fistula: A novel minimally invasive approach. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, e159-e161.	0.8	1
42	Impact of Coronary Remodeling on Fractional Flow Reserve. <i>Circulation</i> , 2018, 137, 747-749.	1.6	20
43	Assessing the landscape of percutaneous coronary chronic total occlusion treatment in Belgium and Luxembourg: the Belgian Working Group on Chronic Total Occlusions (BWGCTO) registry. <i>Acta Cardiologica</i> , 2018, 73, 427-436.	0.9	6
44	Platypnea-orthodeoxia syndrome: an unusual presentation of a complex disease. <i>Acta Clinica Belgica</i> , 2018, 73, 224-228.	1.2	2
45	Coronary computed tomography angiography for heart team decision-making in multivessel coronary artery disease. <i>European Heart Journal</i> , 2018, 39, 3689-3698.	2.2	140
46	Fractional Flow Reserve Derived From Computed Tomographic Angiography in Patients With Multivessel CAD. <i>Journal of the American College of Cardiology</i> , 2018, 71, 2756-2769.	2.8	92
47	Real-world clinical utility and impact on clinical decision-making of coronary computed tomography angiography-derived fractional flow reserve: lessons from the ADVANCE Registry. <i>European Heart Journal</i> , 2018, 39, 3701-3711.	2.2	214
48	Diagnostic performance of angiography-derived fractional flow reserve: a systematic review and Bayesian meta-analysis. <i>European Heart Journal</i> , 2018, 39, 3314-3321.	2.2	116
49	Rationale and design of advantage (additional diagnostic value of CT perfusion over coronary CT) Tj ETQq1 1 0.784314 rgBT /Overloc	1.3	9
50	Non-invasive treatment planning of tandem coronary artery lesions using an interactive planner for PCI. <i>EuroIntervention</i> , 2018, 14, 924-925.	3.2	4
51	Air pollution and ST-elevation myocardial infarction: A case-crossover study of the Belgian STEMI registry 2009-2013. <i>International Journal of Cardiology</i> , 2016, 223, 300-305.	1.7	68
52	Anomalous right coronary artery in a middle-aged patient. <i>Medicine (United States)</i> , 2016, 95, e5508.	1.0	8
53	Multi-modality imaging in an exceptional case of aborted sudden cardiac death. <i>International Journal of Cardiology</i> , 2014, 171, e57-e58.	1.7	1
54	A new method for real-time co-registration of 3D coronary angiography and intravascular ultrasound or optical coherence tomography. <i>Cardiovascular Revascularization Medicine</i> , 2014, 15, 226-232.	0.8	13

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55	Loss and retrieval of a coronary angioplasty stent balloon. Cardiovascular Revascularization Medicine, 2013, 14, 248-250.	0.8	2
56	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
57	Clinical relevance of laparoscopically diagnosed hiatal hernia. Surgical Endoscopy and Other Interventional Techniques, 2009, 23, 1093-1098.	2.4	2
58	The neurotoxicity and safety of treatment with cefepime in patients with renal failure. Nephrology Dialysis Transplantation, 2007, 23, 966-970.	0.7	90
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