

Stefan P Schumacher

List of Publications by Year in descending order

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34
papers

886
citations

623734

14
h-index

477307

29
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34
docs citations

34
times ranked

1172
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Coronary Computed Tomography Angiography, Fractional Flow Reserve, and Perfusion Imaging for Ischemia Diagnosis. <i>Journal of the American College of Cardiology</i> , 2019, 73, 161-173.	2.8	266
2	Mechanisms of Myocardial Infarction in Patients With Nonobstructive Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2210-2221.	5.3	83
3	Prognostic value of [15O]H ₂ O positron emission tomography-derived global and regional myocardial perfusion. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 777-786.	1.2	54
4	Continuous thermodilution to assess absolute flow and microvascular resistance: validation in humans using [15O]H ₂ O positron emission tomography. <i>European Heart Journal</i> , 2019, 40, 2350-2359.	2.2	52
5	Prognostic Value of RCA Pericoronary Adipose Tissue CT-Attenuation Beyond High-Risk Plaques, Plaque Volume, and Ischemia. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1598-1610.	5.3	43
6	Impact of Revascularization on Absolute Myocardial Blood Flow as Assessed by Serial [¹⁵ O]H ₂ O Positron Emission Tomography Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007417.	2.6	41
7	Effects of successful percutaneous coronary intervention of chronic total occlusions on myocardial perfusion and left ventricular function. <i>EuroIntervention</i> , 2017, 13, 345-354.	3.2	37
8	Retrograde Chronic Total Occlusion Percutaneous Coronary Intervention Through Ipsilateral Collateral Channels. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 1489-1497.	2.9	26
9	Coronary collaterals and myocardial viability in patients with chronic total occlusions. <i>EuroIntervention</i> , 2020, 16, e453-e461.	3.2	26
10	Percutaneous Coronary Intervention of Chronic Total Occlusions: When and How to Treat. <i>Cardiovascular Revascularization Medicine</i> , 2019, 20, 513-522.	0.8	24
11	Recovery of myocardial perfusion after percutaneous coronary intervention of chronic total occlusions is comparable to hemodynamically significant nonocclusive lesions. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 1059-1066.	1.7	18
12	Noninvasive procedural planning using computed tomography-derived fractional flow reserve. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 97, 614-622.	1.7	18
13	Ischaemic burden and changes in absolute myocardial perfusion after chronic total occlusion percutaneous coronary intervention. <i>EuroIntervention</i> , 2020, 16, e462-e471.	3.2	18
14	Ischemic Burden Reduction and Long-Term Clinical Outcomes After Chronic Total Occlusion Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 1407-1418.	2.9	16
15	Subadventitial stenting around occluded stents: A bailout technique to recanalize in-stent chronic total occlusions. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, 466-476.	1.7	15
16	Impact of individualized segmentation on diagnostic performance of quantitative positron emission tomography for haemodynamically significant coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 525-532.	1.2	14
17	Incremental prognostic value of hybrid [15O]H ₂ O positron emission tomography-computed tomography: combining myocardial blood flow, coronary stenosis severity, and high-risk plaque morphology. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1105-1113.	1.2	14
18	The impact of coronary revascularization on vessel-specific coronary flow capacity and long-term outcomes: a serial [15O]H ₂ O positron emission tomography perfusion imaging study. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 743-752.	1.2	14

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19	Cardiac Magnetic Resonance for Evaluating Nonculprit Lesions After Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 715-728.	5.3	13
20	Comparison Between the Performance of Quantitative Flow Ratio and Perfusion Imaging for Diagnosing Myocardial Ischemia. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1976-1985.	5.3	13
21	Influence of pH and phosphate concentration on the phosphate binding capacity of five contemporary binders. An in vitro study. <i>Nephrology</i> , 2019, 24, 221-226.	1.6	12
22	Impact of Specific Crossing Techniques in Chronic Total Occlusion Percutaneous Coronary Intervention on Recovery of Absolute Myocardial Perfusion. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e008064.	3.9	11
23	Defining the prognostic value of [15O]H2O positron emission tomography-derived myocardial ischaemic burden. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 638-646.	1.2	10
24	Comparison between quantitative cardiac magnetic resonance perfusion imaging and [15O]H2O positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1688-1697.	6.4	9
25	Accuracy of RESOLVE score derived from coronary computed tomography versus visual angiography to predict side branch occlusion in percutaneous bifurcation intervention. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 258-265.	1.3	9
26	Diagnostic value of comprehensive on-site and off-site coronary CT angiography for identifying hemodynamically obstructive coronary artery disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 37-45.	1.3	7
27	Viability and functional recovery after chronic total occlusion percutaneous coronary intervention. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, E668-E676.	1.7	5
28	Impact of percutaneous coronary intervention of chronic total occlusions on absolute perfusion in remote myocardium. <i>EuroIntervention</i> , 2022, 18, e314-e323.	3.2	5
29	Residual Quantitative Flow Ratio to Estimate Post-Percutaneous Coronary Intervention Fractional Flow Reserve. <i>Journal of Interventional Cardiology</i> , 2021, 2021, 1-11.	1.2	4
30	Functional recovery after percutaneous revascularization of coronary chronic total occlusions: insights from cardiac magnetic resonance tissue tracking. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 3057-3068.	1.5	3
31	Feasibility of computed tomography perfusion in patients with chronic total occlusion undergoing percutaneous coronary intervention. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 281-283.	1.3	3
32	Comparison between cardiac magnetic resonance stress T1 mapping and [15O]H2O positron emission tomography in patients with suspected obstructive coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 229-237.	1.2	2
33	Coronary Collateral Flow Index Is Correlated With the Palmar Collateral Flow Index. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1830-1836.	2.4	1
34	Impact of right ventricular side branch occlusion during percutaneous coronary intervention of chronic total occlusions on right ventricular function. <i>Cardiovascular Revascularization Medicine</i> , 2017, 18, 405-410.	0.8	0