Jo M Zelis

List of Publications by Year
in descending order

27 papers	233 citations	1039406 9 h-index	1058022 14 g-index
27 all docs	27 docs citations	27 times ranked	242 citing authors

#	Article	IF	Citations
1	Pressure gradient vs. flow relationships to characterize the physiology of a severely stenotic aortic valve before and after transcatheter valve implantation. European Heart Journal, 2018, 39, 2646-2655.	1.0	38
2	Normal values of thermodilution-derived absolute coronary blood flow and microvascular resistance in humans. EuroIntervention, 2021, 17, e309-e316.	1.4	33
3	Computed tomographic myocardial mass compared with invasive myocardial perfusion measurement. Heart, 2020, 106, 1489-1494.	1.2	19
4	Safety of absolute coronary flow and microvascular resistance measurements by thermodilution. EuroIntervention, 2021, 17, 229-232.	1.4	19
5	Selective intracoronary hypothermia in patients with ST-elevation myocardial infarction. Rationale and design of the EURO-ICE trial. EuroIntervention, 2021, 16, 1444-1446.	1.4	18
6	Coronary Microcirculation in Aortic Stenosis: Pathophysiology, Invasive Assessment, and Future Directions. Journal of Interventional Cardiology, 2020, 2020, 1-13.	0.5	11
7	Why Can Fractional Flow Reserve Decrease After Transcatheter Aortic Valve Implantation?. Journal of the American Heart Association, 2020, 9, e04905.	1.6	11
8	Recovery of Absolute Coronary Blood Flow and Microvascular Resistance After Chronic Total Occlusion Percutaneous Coronary Intervention: An Exploratory Study. Journal of the American Heart Association, 2020, 9, e015669.	1.6	11
9	Wearable devices can predict the outcome of standardized 6-minute walk tests in heart disease. Npj Digital Medicine, 2020, 3, 92.	5.7	10
10	Hypothermia for Reduction of Myocardial Reperfusion Injury in Acute Myocardial Infarction: Closing the Translational Gap. Circulation: Cardiovascular Interventions, 2021, 14, e010326.	1.4	9
11	Stress Aortic Valve Index (SAVI) with Dobutamine for Low-Gradient Aortic Stenosis: A Pilot Study. Structural Heart, 2020, 4, 53-61.	0.2	7
12	Decision Trees for Predicting Mortality in Transcatheter Aortic Valve Implantation. Bioengineering, 2021, 8, 22.	1.6	7
13	Hypothermia for Cardioprotection in Patients with St-Elevation Myocardial Infarction: Do Not Give It the Cold Shoulder Yet!. Journal of Clinical Medicine, 2022, 11, 1082.	1.0	7
14	Survival and quality of life after transcatheter aortic valve implantation relative to the general population. IJC Heart and Vasculature, 2020, 28, 100536.	0.6	6
15	Quality of Life After Fractional Flow Reserveâ€"Guided PCI Compared With Coronary Bypass Surgery. Circulation, 2022, 145, 1655-1662.	1.6	6
16	3D-printed stenotic aortic valve model to simulate physiology before, during, and after transcatheter aortic valve implantation. International Journal of Cardiology, 2020, 313, 32-34.	0.8	5
17	Machine Learning for Predicting Mortality in Transcatheter Aortic Valve Implantation: An Inter-Center Cross Validation Study. Journal of Cardiovascular Development and Disease, 2021, 8, 65.	0.8	4
18	Prehospital risk assessment in patients suspected of non-ST-segment elevation acute coronary syndrome: a systematic review and meta-analysis. BMJ Open, 2022, 12, e057305.	0.8	4

#	Article	IF	Citations
19	Assessment of exercise-induced changes in von Willebrand factor as a marker of severity of aortic stenosis. Open Heart, 2020, 7, e001138.	0.9	2
20	Ultrastructural Characteristics of Myocardial Reperfusion Injury and Effect of Selective Intracoronary Hypothermia: An Observational Study in Isolated Beating Porcine Hearts. Therapeutic Hypothermia and Temperature Management, 2021, , .	0.3	2
21	Giant coronary aneurysm exposed on routine echocardiogram. European Heart Journal, 2017, 38, 3240-3240.	1.0	1
22	Inter-Center Cross-Validation and Finetuning without Patient Data Sharing for Predicting Transcatheter Aortic Valve Implantation Outcome. , 2020, , .		1
23	Model-based aortic power transfer: A potential measure for quantifying aortic stenosis severity based on measured data. Medical Engineering and Physics, 2021, 90, 66-81.	0.8	1
24	Local and Distributed Machine Learning for Inter-hospital Data Utilization: An Application for TAVI Outcome Prediction. Frontiers in Cardiovascular Medicine, 2021, 8, 787246.	1.1	1
25	Letter by Zimmermann et al Regarding Article, â€œExcess Cardiovascular Risk in Women Relative to Men Referred for Coronary Angiography Is Associated With Severely Impaired Coronary Flow Reserve, Not Obstructive Diseaseâ€. Circulation, 2017, 136, 239-240.	1.6	0
26	Unusual Suspect Causing Myocardial Infarction. Structural Heart, 2019, 3, 510-511.	0.2	0
27	Identification of patients at risk of cardiac conduction diseases requiring a permanent pacemaker following TAVI procedure: a deep-learning approach on ECG signals. , 2022, , .		0