

Niels van Royen

List of Publications by Year in descending order

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Version: 2024-02-01

154
papers

4,900
citations

109321

35
h-index

118850

62
g-index

155
all docs

155
docs citations

155
times ranked

5765
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronary Angiography after Cardiac Arrest without ST-Segment Elevation. <i>New England Journal of Medicine</i> , 2019, 380, 1397-1407.	27.0	373
2	Comparison of Coronary CT Angiography, SPECT, PET, and Hybrid Imaging for Diagnosis of Ischemic Heart Disease Determined by Fractional Flow Reserve. <i>JAMA Cardiology</i> , 2017, 2, 1100.	6.1	324
3	Magnetic resonance imaging-defined areas of microvascular obstruction after acute myocardial infarction represent microvascular destruction and haemorrhage. <i>European Heart Journal</i> , 2013, 34, 2346-2353.	2.2	172
4	The coronary circulation in acute myocardial ischaemia/reperfusion injury: a target for cardioprotection. <i>Cardiovascular Research</i> , 2019, 115, 1143-1155.	3.8	151
5	Early Intravenous Beta-Blockers in Patients With ST-Segment Elevation Myocardial Infarction Before Primary Percutaneous Coronary Intervention. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2705-2715.	2.8	144
6	Effect of Plaque Burden and Morphology on Myocardial Blood Flow and Fractional Flow Reserve. <i>Journal of the American College of Cardiology</i> , 2018, 71, 499-509.	2.8	133
7	A Brief Etymology of the Collateral Circulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1854-1859.	2.4	129
8	Six months versus 12 months dual antiplatelet therapy after drug-eluting stent implantation in ST-elevation myocardial infarction (DAPT-STEMI): randomised, multicentre, non-inferiority trial. <i>BMJ: British Medical Journal</i> , 2018, 363, k3793.	2.3	125
9	Intramyocardial haemorrhage after acute myocardial infarction. <i>Nature Reviews Cardiology</i> , 2015, 12, 156-167.	13.7	120
10	Pathophysiology and diagnosis of coronary microvascular dysfunction in ST-elevation myocardial infarction. <i>Cardiovascular Research</i> , 2020, 116, 787-805.	3.8	119
11	Safety of the Deferral of Coronary Revascularization on the Basis of Instantaneous Wave-Free Ratio and Fractional Flow Reserve Measurements in Stable Coronary Artery Disease and Acute Coronary Syndromes. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1437-1449.	2.9	111
12	Doppler Flow Velocity and Thermodilution to Assess Coronary Flow Reserve. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 2044-2054.	2.9	94
13	Influence of Microcirculatory Dysfunction on Angiography-Based Functional Assessment of Coronary Stenoses. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 741-753.	2.9	90
14	Temporal Changes in Coronary Hyperemic and Resting Hemodynamic Indices in Nonculprit Vessels of Patients With ST-Segment Elevation Myocardial Infarction. <i>JAMA Cardiology</i> , 2019, 4, 736.	6.1	75
15	Additional Value of Transluminal Attenuation Gradient in CT Angiography to Predict Hemodynamic Significance of Coronary Artery Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 374-386.	5.3	73
16	Doppler Versus Thermodilution-Derived Coronary Microvascular Resistance to Predict Coronary Microvascular Dysfunction in Patients With Acute Myocardial Infarction or Stable Angina Pectoris. <i>American Journal of Cardiology</i> , 2018, 121, 1-8.	1.6	70
17	Impact of anatomical and functional severity of coronary atherosclerotic plaques on the transmural perfusion gradient: a [¹⁵ O]H ₂ O PET study. <i>European Heart Journal</i> , 2014, 35, 2094-2105.	2.2	66
18	Effect of Face-to-Face vs Virtual Reality Training on Cardiopulmonary Resuscitation Quality. <i>JAMA Cardiology</i> , 2020, 5, 328.	6.1	66

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19	Coronary Angiography After Cardiac Arrest Without ST Segment Elevation. <i>JAMA Cardiology</i> , 2020, 5, 1358.	6.1	65
20	Relative Flow Reserve Derived From Quantitative Perfusion Imaging May Not Outperform Stress Myocardial Blood Flow for Identification of Hemodynamically Significant Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	2.6	64
21	Coronary Microvascular Injury in Reperfused Acute Myocardial Infarction: A View From an Integrative Perspective. <i>Journal of the American Heart Association</i> , 2018, 7, e009949.	3.7	61
22	Early Detection and Treatment of the Vulnerable Coronary Plaque. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	60
23	Doppler-Derived Intracoronary Physiology Indices Predict the Occurrence of Microvascular Injury and Microvascular Perfusion Deficits After Angiographically Successful Primary Percutaneous Coronary Intervention. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, e001786.	3.9	55
24	Nonculprit Stenosis Evaluation Using Instantaneous Wave-Free Ratio in Patients With ST-Segment Elevation Myocardial Infarction. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 2528-2535.	2.9	55
25	Continuous thermodilution to assess absolute flow and microvascular resistance: validation in humans using [¹⁵ O]H ₂ O positron emission tomography. <i>European Heart Journal</i> , 2019, 40, 2350-2359.	2.2	52
26	Changes in Coronary Blood Flow After Acute Myocardial Infarction. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 602-613.	2.9	50
27	Galectin-2 expression is dependent on the rs7291467 polymorphism and acts as an inhibitor of arteriogenesis. <i>European Heart Journal</i> , 2012, 33, 1076-1084.	2.2	44
28	Body Mass Index Is Associated With Microvascular Endothelial Dysfunction in Patients With Treated Metabolic Risk Factors and Suspected Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	44
29	Elevated monocyte-specific type I interferon signalling correlates positively with cardiac healing in myocardial infarct patients but interferon alpha application deteriorates myocardial healing in rats. <i>Basic Research in Cardiology</i> , 2019, 114, 1.	5.9	44
30	The ACRA Anatomy Study (Assessment of Disability After Coronary Procedures Using Radial Access). <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	3.9	43
31	The coronary collateral circulation: Genetic and environmental determinants in experimental models and humans. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 897-904.	1.9	42
32	Long-Term Prognostic Implications of Previous Silent Myocardial Infarction in Patients Presenting With Acute Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1773-1781.	5.3	41
33	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
34	Evaluation of Microvascular Injury in Revascularized Patients With ST-Segment Elevation Myocardial Infarction Treated With Ticagrelor Versus Prasugrel. <i>Circulation</i> , 2019, 139, 636-646.	1.6	40
35	Impact of sheath size and hemostasis time on radial artery patency after transradial coronary angiography and intervention in Japanese and non-Japanese patients: A substudy from RAP and BEAT (Radial Artery Patency and Bleeding, Efficacy, Adverse event) randomized multicenter trial. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, 844-851.	1.7	39
36	Efficacy of Diltiazem to Improve Coronary Vasomotor Dysfunction in ANOCA. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 1473-1484.	5.3	39

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37	Timing of revascularization in patients with transient ST-segment elevation myocardial infarction: a randomized clinical trial. <i>European Heart Journal</i> , 2019, 40, 283-291.	2.2	38
38	Comparison of Doppler Flow Velocity and Thermodilution Derived Indexes of Coronary Physiology. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 1060-1070.	2.9	38
39	CD40 in coronary artery disease: a matter of macrophages?. <i>Basic Research in Cardiology</i> , 2016, 111, 38.	5.9	37
40	Absolute Coronary Blood Flow Measured by Continuous Thermodilution in Patients With Ischemia and Nonobstructive Disease. <i>Journal of the American College of Cardiology</i> , 2021, 77, 728-741.	2.8	37
41	No benefit of additional treatment with exenatide in patients with an acute myocardial infarction. <i>International Journal of Cardiology</i> , 2016, 220, 809-814.	1.7	35
42	Changes in remote myocardial tissue after acute myocardial infarction and its relation to cardiac remodeling: A CMR T1 mapping study. <i>PLoS ONE</i> , 2017, 12, e0180115.	2.5	35
43	Hyperaemic microvascular resistance predicts clinical outcome and microvascular injury after myocardial infarction. <i>Heart</i> , 2018, 104, 127-134.	2.9	35
44	Clinical Events After Deferral of LAD Revascularization Following Physiological Coronary Assessment. <i>Journal of the American College of Cardiology</i> , 2019, 73, 444-453.	2.8	35
45	Randomized Comparison Between Radial and Femoral Large-Bore Access for Complex Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 1293-1303.	2.9	35
46	The emerging role of galectins in cardiovascular disease. <i>Vascular Pharmacology</i> , 2016, 81, 31-41.	2.1	34
47	Evaluation and Management of Nonculprit Lesions in STEMI. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1145-1154.	2.9	33
48	Prevalence of ischaemia in patients with a chronic total occlusion and preserved left ventricular ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1025-1033.	1.2	30
49	Coronary autoregulation and assessment of stenosis severity without pharmacological vasodilation. <i>European Heart Journal</i> , 2018, 39, 4062-4071.	2.2	30
50	Delirium After Transcatheter Aortic Valve Implantation Under General Anesthesia: Incidence, Predictors, and Relation to Long-Term Survival. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 2325-2330.	2.6	30
51	Acetylcholine Rechallenge. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 65-75.	2.9	30
52	The Effect of Transradial Coronary Catheterization on Upper Limb Function. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 515-523.	2.9	29
53	Cardiac MRI to Visualize Myocardial Damage after ST-Segment Elevation Myocardial Infarction: A Review of Its Histologic Validation. <i>Radiology</i> , 2021, 301, 4-18.	7.3	29
54	Coronary angiography after cardiac arrest: Rationale and design of the COACT trial. <i>American Heart Journal</i> , 2016, 180, 39-45.	2.7	28

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55	Fractional flow reserve, instantaneous wave-free ratio, and resting Pd/Pa compared with [15O]H2O positron emission tomography myocardial perfusion imaging: a PACIFIC trial sub-study. <i>European Heart Journal</i> , 2018, 39, 4072-4081.	2.2	28
56	Acute rule-out of non-“ST-segment elevation acute coronary syndrome in the (pre)hospital setting by HEART score assessment and a single point-of-care troponin: rationale and design of the ARTICA randomised trial. <i>BMJ Open</i> , 2020, 10, e034403.	1.9	28
57	Vasomotor dysfunction in patients with angina and nonobstructive coronary artery disease is dominated by vasospasm. <i>International Journal of Cardiology</i> , 2021, 333, 14-20.	1.7	28
58	Adverse Plaque Characteristics Relate More Strongly With Hyperemic Fractional Flow Reserve and Instantaneous Wave-Free Ratio Than With Resting Instantaneous Wave-Free Ratio. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 746-756.	5.3	27
59	Predictors of Intramyocardial Hemorrhage After Reperfused ST-“Segment Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	26
60	Sex Differences in Instantaneous Wave-Free Ratio or Fractional Flow Reserve-“Guided Revascularization Strategy. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2035-2046.	2.9	26
61	Comparison of Major Adverse Cardiac Events Between Instantaneous Wave-Free Ratio and Fractional Flow Reserve-“Guided Strategy in Patients With or Without Type 2 Diabetes. <i>JAMA Cardiology</i> , 2019, 4, 857.	6.1	25
62	The role of ADAMTS13 in acute myocardial infarction: cause or consequence?. <i>Cardiovascular Research</i> , 2016, 111, 194-203.	3.8	24
63	Artificial Intelligence for Aortic Pressure Waveform Analysis During Coronary-“Angiography. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2093-2101.	2.9	24
64	Systemic toll-like receptor and interleukin-18 pathway activation in patients with acute ST elevation myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 67, 94-102.	1.9	23
65	Reprogramming of bone marrow myeloid progenitor cells in patients with severe coronary artery disease. <i>ELife</i> , 2020, 9, .	6.0	23
66	Inflammatory cell content of coronary thrombi is dependent on thrombus age in patients with ST-elevation myocardial infarction. <i>Journal of Cardiology</i> , 2017, 69, 394-400.	1.9	22
67	Diagnostic performance of the basic and advanced life support termination of resuscitation rules: A systematic review and diagnostic meta-analysis. <i>Resuscitation</i> , 2020, 148, 3-13.	3.0	22
68	Invasive minimal Microvascular Resistance Is a New Index to Assess Microcirculatory Function Independent of Obstructive Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	21
69	Circulating MicroRNAs Characterizing Patients with Insufficient Coronary Collateral Artery Function. <i>PLoS ONE</i> , 2015, 10, e0137035.	2.5	21
70	Interferon-Beta, a Decisive Factor in Angiogenesis and Arteriogenesis. <i>Journal of Interferon and Cytokine Research</i> , 2015, 35, 411-420.	1.2	20
71	Strain analysis is superior to wall thickening in discriminating between infarcted myocardium with and without microvascular obstruction. <i>European Radiology</i> , 2018, 28, 5171-5181.	4.5	20
72	Determining the Predominant Lesion in Patients With Severe Aortic Stenosis and Coronary Stenoses. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e008263.	3.9	20

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73	Unexpected High Incidence of Coronary Vasoconstriction in the Reduction of Microvascular Injury Using Sonolysis (ROMIUS) Trial. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1919-1928.	1.5	19
74	Diagnostic Value of Transluminal Attenuation Gradient for the Presence of Ischemia as Defined by Fractional Flow Reserve and Quantitative Positron Emission Tomography. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 323-333.	5.3	19
75	Early intravenous beta-blockers in patients undergoing primary percutaneous coronary intervention for ST-segment elevation myocardial infarction: A patient-pooled meta-analysis of randomized clinical trials. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020, 9, 469-477.	1.0	19
76	MAb therapy against the IFN- γ /IFN β receptor subunit 1 stimulates arteriogenesis in a murine hindlimb ischaemia model without enhancing atherosclerotic burden. <i>Cardiovascular Research</i> , 2015, 107, 255-266.	3.8	18
77	Male-female differences in quality of life and coping style in patients with Marfan syndrome and hereditary thoracic aortic diseases. <i>Journal of Genetic Counseling</i> , 2020, 29, 1259-1269.	1.6	17
78	Geriatric assessment in the prediction of delirium and long-term survival after transcatheter aortic valve implantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 2095-2102.e3.	0.8	17
79	Value of Hybrid Imaging with PET/CT to Guide Percutaneous Revascularization of Chronic Total Coronary Occlusion. <i>Current Cardiovascular Imaging Reports</i> , 2015, 8, 26.	0.6	16
80	Coronary vasomotor function in infarcted and remote myocardium after primary percutaneous coronary intervention. <i>Heart</i> , 2015, 101, 1577-1583.	2.9	16
81	1-Year Outcomes of Delayed Versus Immediate Intervention in Patients With Transient ST-Segment Elevation Myocardial Infarction. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2272-2282.	2.9	16
82	Reducing Microvascular Dysfunction in Revascularized Patients with ST-Elevation Myocardial Infarction by Off-Target Properties of Ticagrelor versus Prasugrel. Rationale and Design of the REDUCE-MVI Study. <i>Journal of Cardiovascular Translational Research</i> , 2016, 9, 249-256.	2.4	15
83	Sex Differences in Coronary Function Test Results in Patient With Angina and Nonobstructive Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 750071.	2.4	15
84	Feasibility and Outcomes of Transcatheter Aortic Valve Implantation Using the Left Axillary Artery as Primary Access Site. <i>Annals of Thoracic Surgery</i> , 2019, 107, 546-552.	1.3	14
85	Cellular and Pharmacological Targets to Induce Coronary Arteriogenesis. <i>Current Cardiology Reviews</i> , 2014, 10, 29-37.	1.5	13
86	In vivo assessment of myocardial viability after acute myocardial infarction: A head-to-head comparison of the perfusable tissue index by PET and delayed contrast-enhanced CMR. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 657-667.	2.1	13
87	Cardiac Magnetic Resonance for Evaluating Nonculprit Lesions After Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 715-728.	5.3	13
88	Meta-Analysis Comparing Cardiac Arrest Outcomes Before and After Resuscitation Guideline Updates. <i>American Journal of Cardiology</i> , 2020, 125, 618-629.	1.6	13
89	Transcatheter Aortic Valve Replacement for Degenerated Transcatheter Aortic Valves: The TRANSIT International Project. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e010440.	3.9	13
90	Short-term exercise-induced protection of cardiovascular function and health: why and how fast does the heart benefit from exercise?. <i>Journal of Physiology</i> , 2022, 600, 1339-1355.	2.9	13

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91	Diagnostic value of longitudinal flow gradient for the presence of haemodynamically significant coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 21-30.	1.2	12
92	Soluble Nephilysin and Corin Concentrations in Relation to Clinical Outcome in Chronic Heart Failure. <i>JACC: Heart Failure</i> , 2021, 9, 85-95.	4.1	12
93	Endothelial dysfunction and the occurrence of radial artery spasm during transradial coronary procedures: the ACRA-Spasm study. <i>EuroIntervention</i> , 2016, 12, 1263-1270.	3.2	12
94	Chronic radial artery occlusion does not cause exercise induced hand ischemia. <i>Journal of Interventional Cardiology</i> , 2018, 31, 949-956.	1.2	11
95	Exercise-induced Changes in Soluble ST2 Concentrations in Marathon Runners. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 405-410.	0.4	11
96	Therapeutic application of contrast ultrasound in ST elevation myocardial infarction: Role in coronary thrombosis and microvascular obstruction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019, 8, 45-53.	1.0	11
97	Delirium After TAVR. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2453-2466.	2.9	11
98	Procedural Success and Clinical Outcome of the Portico Transcatheter Aortic Valve Using the Left Subclavian Artery as Primary Access. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1311-1312.	2.9	10
99	Combined Assessment of FFR and CFR for Decision Making in Coronary Revascularization. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 1047-1056.	2.9	10
100	The effect of immediate coronary angiography after cardiac arrest without ST-segment elevation on left ventricular function. A sub-study of the COACT randomised trial. <i>Resuscitation</i> , 2021, 164, 93-100.	3.0	9
101	Coronary angiography findings in patients with shock-resistant ventricular fibrillation cardiac arrest. <i>Resuscitation</i> , 2021, 164, 54-61.	3.0	9
102	Optical coherence tomography and coronary revascularization: from indication to procedural optimization. <i>Trends in Cardiovascular Medicine</i> , 2023, 33, 92-106.	4.9	9
103	Innate immune cells in the pathophysiology of calcific aortic valve disease: lessons to be learned from atherosclerotic cardiovascular disease?. <i>Basic Research in Cardiology</i> , 2022, 117, 28.	5.9	9
104	Kinetics of coagulation in ST-elevation myocardial infarction following successful primary percutaneous coronary intervention. <i>Thrombosis Research</i> , 2016, 137, 64-71.	1.7	8
105	Transcatheter aortic valve replacement during the COVID-19 pandemic: A Dutch single-center analysis. <i>Journal of Cardiac Surgery</i> , 2021, 36, 48-55.	0.7	8
106	Myocardial Blood Flow and Coronary Flow Reserve During 3 Years Following Bioresorbable Vascular Scaffold Versus Metallic Drug-Eluting Stent Implantation. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 967-979.	2.9	7
107	Downstream Influence of Coronary Stenoses on Microcirculatory Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 230-238.	2.4	7
108	Computerized Analysis of the Ventricular Fibrillation Waveform Allows Identification of Myocardial Infarction: A Proof-of-Concept Study for Smart Defibrillator Applications in Cardiac Arrest. <i>Journal of the American Heart Association</i> , 2020, 9, e016727.	3.7	7

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109	Anti-Galectin-2 Antibody Treatment Reduces Atherosclerotic Plaque Size and Alters Macrophage Polarity. <i>Thrombosis and Haemostasis</i> , 2022, 122, 1047-1057.	3.4	7
110	Complex Large-Bore Radial percutaneous coronary intervention: rationale of the COLOR trial study protocol. <i>BMJ Open</i> , 2020, 10, e038042.	1.9	6
111	Pre-Emptive OCT-Guided Angioplasty of Vulnerable Intermediate Coronary Lesions: Results from the Prematurely Halted PECTUS-Trial. <i>Journal of Interventional Cardiology</i> , 2020, 2020, 1-8.	1.2	6
112	Aortic Regurgitation Index Ratio Is a Strong Predictor of 1-Year Mortality After Transcatheter Aortic Valve Implantation Using Self-Expanding Devices. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021, 33, 923-930.	0.6	6
113	Non-invasive assessment of the collateral circulation in the hand: validation of the Nexfin system and relation to clinical outcome after transradial catheterisation. <i>EuroIntervention</i> , 2017, 12, 1773-1781.	3.2	6
114	Long-term Effect of Face-to-Face vs Virtual Reality Cardiopulmonary Resuscitation (CPR) Training on Willingness to Perform CPR, Retention of Knowledge, and Dissemination of CPR Awareness. <i>JAMA Network Open</i> , 2022, 5, e2212964.	5.9	6
115	Sex differences in patients with out-of-hospital cardiac arrest without ST-segment elevation: A COACT trial substudy. <i>Resuscitation</i> , 2021, 158, 14-22.	3.0	5
116	Identification of anatomic risk factors for acute coronary events by optical coherence tomography in patients with myocardial infarction and residual nonflow limiting lesions: rationale and design of the PECTUS-obs study. <i>BMJ Open</i> , 2021, 11, e048994.	1.9	5
117	Gradual Versus Abrupt Reperfusion During Primary Percutaneous Coronary Interventions in ST-segment Elevation Myocardial Infarction (GUARD). <i>Journal of the American Heart Association</i> , 2022, 11, e024172.	3.7	5
118	Progressive Pulmonary Artery Dilatation is Associated with Type B Aortic Dissection in Patients with Marfan Syndrome. <i>Journal of Clinical Medicine</i> , 2019, 8, 1848.	2.4	4
119	Hand Sensibility after Transradial Arterial Access: An Observational Study in Patients with and without Radial Artery Occlusion. <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, 1832-1839.	0.5	4
120	ACRA Perfusion Study. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007641.	3.9	4
121	Agreement between nonculprit stenosis follow-up iFR and FFR after STEMI (iSTEMI substudy). <i>BMC Research Notes</i> , 2020, 13, 410.	1.4	4
122	Transient ST-elevation myocardial infarction versus persistent ST-elevation myocardial infarction. An appraisal of patient characteristics and functional outcome. <i>International Journal of Cardiology</i> , 2021, 336, 22-28.	1.7	4
123	Features of atherosclerosis in patients with angina and no obstructive coronary artery disease. <i>EuroIntervention</i> , 2022, 18, e397-e404.	3.2	4
124	Fluoroscopy Assisted Scoring of Myocardial Hypoperfusion (FLASH) ratio as a novel predictor of mortality after primary PCI in STEMI patients. <i>International Journal of Cardiology</i> , 2016, 202, 639-645.	1.7	3
125	Left ventricular function, strain, and infarct characteristics in patients with transient ST-segment elevation myocardial infarction compared to ST-segment and non-ST-segment elevation myocardial infarctions. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 836-845.	1.2	3
126	Pilot study on VF-waveform based algorithms for early detection of acute myocardial infarction during out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2022, 174, 62-67.	3.0	3

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127	Differential Prognostic Value of Revascularization for Coronary Stenosis With Intermediate FFR by Coronary Flow Reserve. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 1033-1043.	2.9	3
128	A case of multiple coronary atresias: a rarity even within the family of coronary anomalies. <i>European Heart Journal</i> , 2015, 36, 1936-1936.	2.2	2
129	ST-resolution and spontaneous reperfusion in patients with transient ST-segment elevation myocardial infarction. <i>European Heart Journal</i> , 2019, 40, 2465-2465.	2.2	2
130	Diastolic-systolic velocity ratio to detect coronary stenoses under physiological resting conditions: a mechanistic study. <i>Open Heart</i> , 2019, 6, e000968.	2.3	2
131	Relation Between Coronary Tortuosity and Vasomotor Dysfunction in Patients Without Obstructed Coronaries?. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 804731.	2.4	2
132	Ischaemic electrocardiogram patterns and its association with survival in out-of-hospital cardiac arrest patients without ST-segment elevation myocardial infarction: a COACT trials™ post-hoc subgroup analysis. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 535-543.	1.0	2
133	Coronary angiography and percutaneous coronary intervention after out-of-hospital cardiac arrest: major leaps towards improved survival?. <i>Journal of Thoracic Disease</i> , 2017, 9, 5-7.	1.4	1
134	Instantaneous wave-free ratio cutoff values for nonculprit stenosis classification in patients with ST-segment elevation myocardial infarction (an iSTEMI substudy). <i>Coronary Artery Disease</i> , 2020, 31, 411-416.	0.7	1
135	Quantification of Absolute Myocardial Flow and Resistance by Continuous Thermodilution in Patients with Ischemia and Nonobstructive Coronary Artery Disease (INOCA). <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
136	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
137	Perilipin 2 "another piece in the big jigsaw puzzle of coronary no reflow. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021, 10, 643-644.	1.0	1
138	Targeted Temperature Management in Out-of-Hospital Cardiac Arrest With Shockable Rhythm. <i>Critical Care Medicine</i> , 2021, Publish Ahead of Print, .	0.9	1
139	Extremity Dysfunction After Large-Bore Radial and Femoral Arterial Access. <i>Journal of the American Heart Association</i> , 2022, 11, e023691.	3.7	1
140	The influence of timing of coronary angiography on acute kidney injury in out-of-hospital cardiac arrest patients: a retrospective cohort study. <i>Annals of Intensive Care</i> , 2022, 12, 12.	4.6	1
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