

Jan J Piek

List of Publications by Year in descending order

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Version: 2024-02-01

235
papers

9,872
citations

57758

44
h-index

42399

92
g-index

240
all docs

240
docs citations

240
times ranked

8394
citing authors

#	ARTICLE	IF	CITATIONS
1	Invasive and non-invasive assessment of ischaemia in chronic coronary syndromes: translating pathophysiology to clinical practice. <i>European Heart Journal</i> , 2022, 43, 105-117.	2.2	13
2	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease. , 2022, 1, 28-44.		32
3	Phasic flow patterns of right versus left coronary arteries in patients undergoing clinical physiological assessment. <i>EuroIntervention</i> , 2022, 17, 1260-1270.	3.2	1
4	How to set up regional STEMI networks: a "Stent - Save a life!" initiative. <i>EuroIntervention</i> , 2022, 17, 1313-1317.	3.2	1
5	Left ventricular four-dimensional blood flow distribution, energetics, and vorticity in chronic myocardial infarction patients with/without left ventricular thrombus. <i>European Journal of Radiology</i> , 2022, 150, 110233.	2.6	4
6	Prognostic value of microvascular resistance and its association to fractional flow reserve: a DEFINE-FLOW substudy. <i>Open Heart</i> , 2022, 9, e001981.	2.3	2
7	Ticagrelor monotherapy versus aspirin monotherapy at 12 months after percutaneous coronary intervention: a landmark analysis of the GLOBAL LEADERS trial. <i>EuroIntervention</i> , 2022, 18, e377-e388.	3.2	16
8	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
9	Clinical Relevance of Ischemia with Nonobstructive Coronary Arteries According to Coronary Microvascular Dysfunction. <i>Journal of the American Heart Association</i> , 2022, 11, e025171.	3.7	19
10	Impact of proton pump inhibitors on efficacy of antiplatelet strategies with ticagrelor or aspirin after percutaneous coronary intervention: Insights from the GLOBAL LEADERS trial. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 100, 72-82.	1.7	4
11	Comparison of Doppler Flow Velocity and Thermodilution Derived Indexes of Coronary Physiology. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 1060-1070.	2.9	38
12	Differential Impact of Coronary Revascularization on Long-Term Clinical Outcome According to Coronary Flow Characteristics: Analysis of the International ILIAS Registry. <i>Circulation: Cardiovascular Interventions</i> , 2022, 15, .	3.9	1
13	Cerebral Blood Flow in Patients with Severe Aortic Valve Stenosis Undergoing Transcatheter Aortic Valve Implantation. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 494-499.	2.6	13
14	Clinical Outcomes According to ECG Presentations in Infarct-Related Cardiogenic Shock in the Culprit Lesion Only PCI vs Multivessel PCI in Cardiogenic Shock Trial. <i>Chest</i> , 2021, 159, 1415-1425.	0.8	4
15	A Prospective Multicenter Randomized Trial to Assess the Effectiveness of the MagicTouch Sirolimus-Coated Balloon in Small Vessels: Rationale and Design of the TRANSFORM I Trial. <i>Cardiovascular Revascularization Medicine</i> , 2021, 25, 29-35.	0.8	10
16	Predicting 2-year all-cause mortality after contemporary PCI: Updating the logistic clinical SYNTAX score. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, 1287-1297.	1.7	6
17	External validation of the GRACE risk score 2.0 in the contemporary comers GLOBAL LEADERS trial. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, E513-E522.	1.7	1
18	10-Year Follow-Up After Revascularization in Elderly Patients With Complex Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2021, 77, 2761-2773.	2.8	32

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19	Impact of Body Composition Indices on Ten-year Mortality After Revascularization of Complex Coronary Artery Disease (From the Syntax Extended Survival Trial). <i>American Journal of Cardiology</i> , 2021, 151, 30-38.	1.6	6
20	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
21	Balloon-Expandable versus Self-Expandable Valves in Transcatheter Aortic Valve Implantation: Complications and Outcomes from a Large International Patient Cohort. <i>Journal of Clinical Medicine</i> , 2021, 10, 4005.	2.4	7
22	A prospective multicenter validation study for a novel angiography-derived physiological assessment software: Rationale and design of the radiographic imaging validation and evaluation for Angio-iFR (ReVEAL iFR) study. <i>American Heart Journal</i> , 2021, 239, 19-26.	2.7	4
23	Respiration-related variations in Pd/Pa ratio and fractional flow reserve in resting conditions and during intravenous adenosine administration. <i>Catheterization and Cardiovascular Interventions</i> , 2021, , .	1.7	2
24	Clinical outcomes at 2 years of the Absorb bioresorbable vascular scaffold versus the Xience drug-eluting metallic stent in patients presenting with acute coronary syndrome versus stable coronary disease—AIDA trial substudy. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 95, 89-96.	1.7	4
25	Distal Evaluation of Functional performance with Intravascular sensors to assess the Narrowing Effect—combined pressure and Doppler FLOW velocity measurements (DEFINE-FLOW) trial: Rationale and trial design. <i>American Heart Journal</i> , 2020, 222, 139-146.	2.7	15
26	A paradox in sex-specific clinical outcomes after bioresorbable scaffold implantation: 2-year results from the AIDA trial. <i>International Journal of Cardiology</i> , 2020, 300, 93-98.	1.7	4
27	Recovery and prognostic value of myocardial strain in ST-segment elevation myocardial infarction patients with a concurrent chronic total occlusion. <i>European Radiology</i> , 2020, 30, 600-608.	4.5	13
28	Association of Sex With Outcomes in Patients Undergoing Percutaneous Coronary Intervention. <i>JAMA Cardiology</i> , 2020, 5, 21.	6.1	49
29	Contribution of Age-Related Microvascular Dysfunction to Abnormal Coronary. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 20-29.	2.9	28
30	The influence of implantation techniques on lesion oriented-outcomes in Absorb BVS and Xience EES lesions treated in routine clinical practice at complete three year follow-up: AIDA trial QCA substudy. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 565-575.	1.5	0
31	Individual Lesion-Level Meta-Analysis Comparing Various Doses of Intracoronary Bolus Injection of Adenosine With Intravenous Administration of Adenosine for Fractional Flow Reserve Assessment. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e007893.	3.9	7
32	Endothelial shear stress and vascular remodeling in bioresorbable scaffold and metallic stent. <i>Atherosclerosis</i> , 2020, 312, 79-89.	0.8	3
33	Usefulness of Proximal Coronary Wave Speed for Wave Intensity Analysis in Diseased Coronary Vessels. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 133.	2.4	0
34	The Impact of Coronary Physiology on Contemporary Clinical Decision Making. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1617-1638.	2.9	60
35	Advances in IVUS/OCT and Future Clinical Perspective of Novel Hybrid Catheter System in Coronary Imaging. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 119.	2.4	65
36	Coronary Flow Capacity to Identify Stenosis Associated With Coronary Flow Improvement After Revascularization: A Combined Analysis From DEFINE FLOW and IDEAL. <i>Journal of the American Heart Association</i> , 2020, 9, e016130.	3.7	8

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37	Three-year clinical outcomes of the absorb bioresorbable vascular scaffold compared to Xience everolimus-eluting stent in routine PCI in patients with diabetes mellitus" AIDA sub-study. Catheterization and Cardiovascular Interventions, 2020, 98, 713-720.	1.7	1
38	Impact of white blood cell count on clinical outcomes in patients treated with aspirin-free ticagrelor monotherapy after percutaneous coronary intervention: insights from the GLOBAL LEADERS trial. European Heart Journal - Cardiovascular Pharmacotherapy, 2020, , .	3.0	10
39	The state-of-the-art coronary stent with crystallized sirolimus: the MiStent technology and its clinical program. Future Cardiology, 2020, 17, 593-607.	1.2	1
40	Non-hyperaemic coronary pressure measurements to guide coronary interventions. Nature Reviews Cardiology, 2020, 17, 629-640.	13.7	18
41	Estimation of Intraglomerular Pressure Using Invasive Renal Arterial Pressure and Flow Velocity Measurements in Humans. Journal of the American Society of Nephrology: JASN, 2020, 31, 1905-1914.	6.1	7
42	Platelet Inhibition, Endothelial Function, and Clinical Outcome in Patients Presenting With ST-segment Elevation Myocardial Infarction Randomized to Ticagrelor Versus Prasugrel Maintenance Therapy: Long-Term Follow-Up of the REDUCE-MVI Trial. Journal of the American Heart Association, 2020, 9, e014411.	3.7	15
43	Objective Identification of Intermediate Lesions Inducing Myocardial Ischemia Using Sequential Intracoronary Pressure and Flow Measurements. Journal of the American Heart Association, 2020, 9, e015559.	3.7	5
44	Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. Nature Reviews Cardiology, 2020, 17, 427-450.	13.7	94
45	DAPT Score and the Impact of Ticagrelor Monotherapy During the Second Year After PCI. JACC: Cardiovascular Interventions, 2020, 13, 634-646.	2.9	17
46	Association of diabetes with outcomes in patients undergoing contemporary percutaneous coronary intervention: Pre-specified subgroup analysis from the randomized GLOBAL LEADERS study. Atherosclerosis, 2020, 295, 45-53.	0.8	36
47	Radial versus femoral artery access for percutaneous coronary artery intervention in patients with acute myocardial infarction and multivessel disease complicated by cardiogenic shock: Subanalysis from the CULPRIT-SHOCK trial. American Heart Journal, 2020, 225, 60-68.	2.7	16
48	The association of body mass index with long-term clinical outcomes after ticagrelor monotherapy following abbreviated dual antiplatelet therapy in patients undergoing percutaneous coronary intervention: a prespecified sub-analysis of the GLOBAL LEADERS Trial. Clinical Research in Cardiology, 2020, 109, 1125-1139.	3.3	14
49	Clinical outcomes of bioabsorbable polymer sirolimus-eluting stents versus durable polymer everolimus-eluting stents: two-year follow-up of the DESSOLVE III trial. EuroIntervention, 2020, 15, e1366-e1374.	3.2	8
50	The SYNTAX score on its way out or towards artificial intelligence: part I. EuroIntervention, 2020, 16, 44-59.	3.2	26
51	The SYNTAX score on its way out or towards artificial intelligence: part II. EuroIntervention, 2020, 16, 60-75.	3.2	18
52	Preclinical evaluation of a thin-strut bioresorbable scaffold (ArterioSorb): acute-phase invasive imaging assessment and hemodynamic implication.. EuroIntervention, 2020, 16, e141-e146.	3.2	1
53	Beta-blocker effect on ST-segment: a prespecified analysis of the EARLY-BAMI randomised trial. Open Heart, 2020, 7, .	2.3	0
54	Discordance between pressure drift after wire pullback and intracoronary distal pressure offset affects stenosis physiology appraisal. International Journal of Cardiology, 2019, 277, 29-34.	1.7	3

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55	Quantification of Myocardial Mass Subtended by a Coronary Stenosis Using Intracoronary Physiology. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007322.	3.9	10
56	Comparison of Major Adverse Cardiac Events Between Instantaneous Wave-Free Ratio and Fractional Flow Reserveâ€“Guided Strategy in Patients With or Without Type 2 Diabetes. <i>JAMA Cardiology</i> , 2019, 4, 857.	6.1	25
57	Aortic valve calcification volumes and chronic brain infarctions in patients undergoing transcatheter aortic valve implantation. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 2123-2133.	1.5	12
58	Sex Differences in Instantaneous Wave-Free Ratio or Fractional Flow Reserveâ€“Guided Revascularization Strategy. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2035-2046.	2.9	26
59	Response to the letter by Dr. Horszczaruk: Pressure-bounded coronary flow reserve â€“ Yet a meaningless concept?. <i>International Journal of Cardiology</i> , 2019, 293, 60.	1.7	0
60	Authorship: From credit to accountability. Reflections from the Editorsâ€™™ Network. <i>Revista Portuguesa De Cardiologia</i> , 2019, 38, 519-525.	0.5	1
61	Sex Differences in Transfemoral Transcatheter Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2758-2767.	2.8	71
62	Clinical Implication of Quantitative Flow Ratio After Percutaneous Coronary Intervention for 3-Vessel Disease. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2064-2075.	2.9	71
63	Artificial Intelligence for Aortic Pressure Waveform Analysis During CoronaryÂ“Angiography. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2093-2101.	2.9	24
64	Clinical Events After Deferral of LADÂ“Revascularization Following PhysiologicalÂ“CoronaryÂ“Assessment. <i>Journal of the American College of Cardiology</i> , 2019, 73, 444-453.	2.8	35
65	Impact of postâ€“procedural minimal stent area on 2â€“year clinical outcomes in the SYNTAX II trial. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, E225-E234.	1.7	26
66	Mechanical properties and performances of contemporary drug-eluting stent: focus on the metallic backbone. <i>Expert Review of Medical Devices</i> , 2019, 16, 211-228.	2.8	27
67	Serial Optical Coherence Tomography at Baseline, 7 Days, and 1, 3, 6 and 12 Months After Bioresorbable Scaffold Implantation in a Growing Porcine Model. <i>Circulation Journal</i> , 2019, 83, 556-566.	1.6	1
68	Angiography-Derived Fractional Flow Reserve in the SYNTAX II Trial. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 259-270.	2.9	46
69	Authorship: From Credit to Accountability. Reflections From the Editors Network. <i>Revista Colombiana De Cardiologia</i> , 2019, 26, 117-124.	0.1	0
70	Transient ST-segment elevation and coronary flow. <i>European Heart Journal</i> , 2019, 40, 2463-2464.	2.2	7
71	Transfemoral TAVR in Nonagenarians. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 911-920.	2.9	27
72	Authorship: from credit to accountability. Reflections from the Editorsâ€™™ Network. <i>Clinical Research in Cardiology</i> , 2019, 108, 723-729.	3.3	3

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73	Predictors, Incidence, and Outcomes of Patients Undergoing Transfemoral Transcatheter Aortic Valve Implantation Complicated by Stroke. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007546.	3.9	71
74	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
75	The relationship of pre-procedural Dmax based sizing to lesion level outcomes in Absorb BVS and Xience EES treated patients in the AIDA trial. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1189-1198.	1.5	6
76	Authorship: from credit to accountability. Reflections from the Editors'™ Network. <i>Basic Research in Cardiology</i> , 2019, 114, 23.	5.9	4
77	Predictive ability of ACEF and ACEF II score in patients undergoing percutaneous coronary intervention in the GLOBAL LEADERS study. <i>International Journal of Cardiology</i> , 2019, 286, 43-50.	1.7	19
78	Letter by Kern et al Regarding Article, "Effects of Impella on Coronary Perfusion in Patients With Critical Coronary Artery Stenosis". <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007751.	3.9	2
79	Efficacy and Safety of Stents in ST-Segment Elevation Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2572-2584.	2.8	31
80	Determining the Predominant Lesion in Patients With Severe Aortic Stenosis and Coronary Stenoses. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e008263.	3.9	20
81	CT determined psoas muscle area predicts mortality in women undergoing transcatheter aortic valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, E248-E254.	1.7	20
82	Comparison of balloon-expandable vs. self-expandable valves in patients undergoing transfemoral transcatheter aortic valve implantation: from the CENTER-collaboration. <i>European Heart Journal</i> , 2019, 40, 456-465.	2.2	100
83	Pressure-derived estimations of coronary flow reserve are inferior to flow-derived coronary flow reserve as diagnostic and risk stratification tools. <i>International Journal of Cardiology</i> , 2019, 279, 6-11.	1.7	10
84	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
85	Relationship between FFR, CFR and coronary microvascular resistance " Practical implications for FFR-guided percutaneous coronary intervention. <i>PLoS ONE</i> , 2019, 14, e0208612.	2.5	26
86	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
87	Myocardial fibrosis predicts adverse outcome after MitraClip implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 1146-1149.	1.7	12
88	Paclitaxel"eluting balloon versus everolimus"eluting stent in patients with diabetes mellitus and in"stent restenosis: Insights from the randomized DARE trial. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 216-221.	1.7	4
89	Myocardial infarction triggers cardioprotective antigen-specific T helper cell responses. <i>Journal of Clinical Investigation</i> , 2019, 129, 4922-4936.	8.2	109
90	Comparison of an everolimus-eluting bioresorbable scaffold with an everolimus-eluting metallic stent in routine PCI: three-year clinical outcomes from the AIDA trial. <i>EuroIntervention</i> , 2019, 15, 603-606.	3.2	11

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91	Authorship: From Credit to Accountability Reflections From the Editors' Network. <i>Anatolian Journal of Cardiology</i> , 2019, 21, 281-286.	0.9	1
92	Authorship: From credit to accountability " Reflections from the Editors' network. <i>Archivos De Cardiología De México</i> (English Ed Internet), 2019, 89, 93-99.	0.0	0
93	Autoría: del crédito a la responsabilidad - Reflexiones de la red de editores. <i>Archivos De Cardiología De México</i> , 2019, 89, 105-111.	0.2	0
94	Pre-Angioplasty Instantaneous Wave-Free Ratio Pullback Predicts Hemodynamic Outcome In Humans With Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 757-767.	2.9	95
95	Incidence, Predictors, and Impact of Vascular Complications After Transfemoral Transcatheter Aortic Valve Implantation With the SAPIEN 3 Prosthesis. <i>American Journal of Cardiology</i> , 2018, 121, 1231-1238.	1.6	41
96	Cerebral protection devices during transcatheter aortic valve implantation. <i>Trends in Cardiovascular Medicine</i> , 2018, 28, 412-418.	4.9	18
97	Impact of Coronary Remodeling on Fractional Flow Reserve. <i>Circulation</i> , 2018, 137, 747-749.	1.6	20
98	1-Year Clinical Performance of COMBO Stent Versus Xience Stent in All-Comers Patients With Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 102-103.	2.9	1
99	Scaffold thrombosis following implantation of the ABSORB BVS in routine clinical practice: Insight into possible mechanisms from optical coherence tomography. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, E106-E114.	1.7	6
100	Procedural Outcome and Midterm Survival of Lower Risk Transfemoral Transcatheter Aortic Valve Implantation Patients Treated With the SAPIEN XT or SAPIEN 3 Device. <i>American Journal of Cardiology</i> , 2018, 121, 856-861.	1.6	13
101	Prolonged hematopoietic and myeloid cellular response in patients after an acute coronary syndrome measured with 18F-DPA-714 PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1956-1963.	6.4	7
102	Coronary Flow Measurements in Clinical Practice. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 738-740.	2.9	1
103	Comparison of Outcomes of Transfemoral Aortic Valve Implantation in Patients <90 With Those >90 Years of Age. <i>American Journal of Cardiology</i> , 2018, 121, 1581-1586.	1.6	18
104	Diagnostic Accuracy of Coronary CT Angiography for the Evaluation of Bioresorbable Vascular Scaffolds. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 722-732.	5.3	12
105	Recurrent myocardial infarction in a 47-year-old woman with a mechanical mitral valve prosthesis: Atherosclerosis, embolism, or spasm?. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 91, 267-270.	1.7	0
106	Evaluation of lesion flow coefficient for the detection of coronary artery disease in patient groups from two academic medical centers. <i>Cardiovascular Revascularization Medicine</i> , 2018, 19, 348-354.	0.8	4
107	Five-year follow-up of the endothelial progenitor cell capturing stent versus the paclitaxel-eluting stent in de novo coronary lesions with a high risk of coronary restenosis. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 91, 1212-1218.	1.7	4
108	A Randomized Comparison of Paclitaxel-Eluting Balloon Versus Everolimus-Eluting Stent for the Treatment of Any In-Stent Restenosis. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 275-283.	2.9	88

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109	Sufentanilâ€“medetomidine anaesthesia compared with fentanyl/fluanisoneâ€“midazolam is associated with fewer ventricular arrhythmias and death during experimental myocardial infarction in rats and limits infarct size following reperfusion. <i>Laboratory Animals</i> , 2018, 52, 271-279.	1.0	10
110	Recurrent myocardial infarction in an aneurysmal coronary artery managed with stent grafts. <i>Coronary Artery Disease</i> , 2018, 29, 171-173.	0.7	0
111	Go With the Flow When Instantaneous Wave-Free Ratio-Fractional Flow Reserve Discordance Occurs. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 2435-2436.	2.9	1
112	Premedication to reduce anxiety in patients undergoing coronary angiography and percutaneous coronary intervention. <i>Open Heart</i> , 2018, 5, e000833.	2.3	7
113	Guideline-defined futility or patient-reported outcomes to assess treatment success after TAVI: what to use? Results from a prospective cohort study with long-term follow-up. <i>Open Heart</i> , 2018, 5, e000879.	2.3	21
114	The Long-Term Impact of Post-Procedural Asymmetry and Eccentricity of Bioresorbable Everolimus-Eluting Scaffold and Metallic Everolimus-Eluting Stent on Clinical Outcomes in the ABSORB II Trial. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1013-1015.	2.9	2
115	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
116	Impact of collateralisation to a concomitant chronic total occlusion in patients with ST-elevation myocardial infarction: a subanalysis of the EXPLORE randomised controlled trial. <i>Open Heart</i> , 2018, 5, e000810.	2.3	11
117	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
118	Fractional Flow Reserve or Coronary Flow Reserve for the Assessment of Myocardial Perfusion. <i>Current Cardiology Reports</i> , 2018, 20, 77.	2.9	18
119	p47phox-Dependent Reactive Oxygen Species Stimulate Nuclear Translocation of the FoxO1 Transcription Factor During Metabolic Inhibition in Cardiomyoblasts. <i>Cell Biochemistry and Biophysics</i> , 2018, 76, 401-410.	1.8	7
120	First-in-Man Trial of SiO ₂ Inert-Coated Bare Metal Stent System in Native Coronary Stenosisâ€“The AXETIS FIM Trialâ€“. <i>Circulation Journal</i> , 2018, 82, 477-485.	1.6	3
121	Elixhauser Comorbidity Score Is the Best Risk Score in Predicting Survival After Mitraclip Implantation. <i>Structural Heart</i> , 2018, 2, 53-57.	0.6	10
122	Angiographic late lumen loss revisited: impact on long-term target lesion revascularization. <i>European Heart Journal</i> , 2018, 39, 3381-3389.	2.2	29
123	One-Year Outcomes after PCI Strategies in Cardiogenic Shock. <i>New England Journal of Medicine</i> , 2018, 379, 1699-1710.	27.0	303
124	Assessing the Haemodynamic Impact of Coronary Artery Stenoses: Intracoronary Flow Versus Pressure Measurements. <i>European Cardiology Review</i> , 2018, 13, 46.	2.2	10
125	Functional comparison between the BuMA Supreme biodegradable polymer sirolimus-eluting stent and a durable polymer zotarolimus-eluting coronary stent using quantitative flow ratio: PIONEER QFR substudy. <i>EuroIntervention</i> , 2018, 14, e570-e579.	3.2	24
126	First-in-man randomised comparison of the BuMA Supreme biodegradable polymer sirolimus-eluting stent versus a durable polymer zotarolimus-eluting coronary stent: the PIONEER trial. <i>EuroIntervention</i> , 2018, 13, 2026-2035.	3.2	17

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127	One-year clinical outcome of early administration of intravenous beta-blockers in patients with ST-segment elevation myocardial infarction before primary percutaneous coronary reperfusion. <i>EuroIntervention</i> , 2018, 14, 688-691.	3.2	5
128	Implantation techniques (predilatation, sizing, and post-dilatation) and the incidence of scaffold thrombosis and revascularisation in lesions treated with an everolimus-eluting bioresorbable vascular scaffold: insights from the AIDA trial. <i>EuroIntervention</i> , 2018, 14, e434-e442.	3.2	14
129	Relation between bioresorbable scaffold sizing using QCA-Dmax and long-term clinical outcomes in 1,232 patients from three study cohorts (ABSORB Cohort B, ABSORB EXTEND, and ABSORB II). <i>EuroIntervention</i> , 2018, 14, e1057-e1066.	3.2	5
130	Complete two-year follow-up with formal non-inferiority testing on primary outcomes of the AIDA trial comparing the Absorb bioresorbable scaffold with the XIENCE drug-eluting metallic stent in routine PCI. <i>EuroIntervention</i> , 2018, 14, e426-e433.	3.2	26
131	A randomised comparison of healing response between the BuMA Supreme stent and the XIENCE stent at one-month and two-month follow-up: PIONEER-II OCT randomised controlled trial. <i>EuroIntervention</i> , 2018, 14, e1306-e1315.	3.2	16
132	Abnormal haemodynamic postural response in patients with chronic heart failure. <i>ESC Heart Failure</i> , 2017, 4, 146-153.	3.1	14
133	Monocytic microRNA profile associated with coronary collateral artery function in chronic total occlusion patients. <i>Scientific Reports</i> , 2017, 7, 1532.	3.3	5
134	Coronary flow capacity: concept, promises, and challenges. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1033-1039.	1.5	10
135	Bioresorbable Scaffolds versus Metallic Stents in Routine PCI. <i>New England Journal of Medicine</i> , 2017, 376, 2319-2328.	27.0	363
136	Safety and efficacy of drug eluting stents in patients with spontaneous coronary artery dissection. <i>International Journal of Cardiology</i> , 2017, 238, 105-109.	1.7	22
137	Use of the Instantaneous Wave-free Ratio or Fractional Flow Reserve in PCI. <i>New England Journal of Medicine</i> , 2017, 376, 1824-1834.	27.0	742
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