Robert-Jan M Van Geuns

List of Publications by Year
in descending order

372 papers	25,203 citations	10986 71 h-index	8167 148 g-index
391 all docs	391 docs citations	391 times ranked	17111 citing authors

#	Article	IF	Citations
1	2014 ESC/EACTS Guidelines on myocardial revascularization. European Heart Journal, 2014, 35, 2541-2619.	2.2	4,141
2	2014 ESC/EACTS Guidelines on myocardial revascularization. European Journal of Cardio-thoracic Surgery, 2014, 46, 517-592.	1.4	2,164
3	Coronary angiography with multi-slice computed tomography. Lancet, The, 2001, 357, 599-603.	13.7	665
4	Comparison of Zotarolimus-Eluting and Everolimus-Eluting Coronary Stents. New England Journal of Medicine, 2010, 363, 136-146.	27.0	608
5	Biolimus-eluting stent with biodegradable polymer versus sirolimus-eluting stent with durable polymer for coronary revascularisation (LEADERS): a randomised non-inferiority trial. Lancet, The, 2008, 372, 1163-1173.	13.7	607
6	Ticagrelor plus aspirin for 1 month, followed by ticagrelor monotherapy for 23 months vs aspirin plus clopidogrel or ticagrelor for 12 months, followed by aspirin monotherapy for 12 months after implantation of a drug-eluting stent: a multicentre, open-label, randomised superiority trial. Lancet, The, 2018, 392, 940-949.	13.7	555
7	Evaluation of the Accuracy of Gadolinium-Enhanced Cardiovascular Magnetic Resonance in the Diagnosis of Cardiac Sarcoidosis. Journal of the American College of Cardiology, 2005, 45, 1683-1690.	2.8	519
8	Catheter-Based intramyocardial injection of autologous skeletal myoblasts as a primary treatment of ischemic heart failure. Journal of the American College of Cardiology, 2003, 42, 2063-2069.	2.8	516
9	Everolimus-eluting stent versus bare-metal stent in ST-segment elevation myocardial infarction (EXAMINATION): 1 year results of a randomised controlled trial. Lancet, The, 2012, 380, 1482-1490.	13.7	412
10	Evaluation of the Second Generation of a Bioresorbable Everolimus-Eluting Vascular Scaffold for the Treatment of De Novo Coronary Artery Stenosis. Journal of the American College of Cardiology, 2011, 58, 1578-1588.	2.8	410
11	In vivo detection of high-risk coronary plaques by radiofrequency intravascular ultrasound and cardiovascular outcome: results of the ATHEROREMO-IVUS study. European Heart Journal, 2014, 35, 639-647.	2.2	314
12	Prognostic Value of Microvascular Obstruction and Infarct Size, as MeasuredÂby CMR in STEMI Patients. JACC: Cardiovascular Imaging, 2014, 7, 930-939.	5.3	271
13	An optical coherence tomography study of a biodegradable vs. durable polymer-coated limus-eluting stent: a LEADERS trial sub-study. European Heart Journal, 2010, 31, 165-176.	2.2	239
14	Fractional Flow Reserve Computed from Noninvasive CT Angiography Data: Diagnostic Performance of an On-Site Clinician-operated Computational Fluid Dynamics Algorithm. Radiology, 2015, 274, 674-683.	7.3	218
15	Dynamics of vessel wall changes following the implantation of the Absorb everolimus-eluting bioresorbable vascular scaffold: a multi-imaging modality study at 6, 12, 24 and 36 months. EuroIntervention, 2014, 9, 1271-1284.	3.2	212
16	Histopathology of Embolic Debris Captured During Transcatheter Aortic Valve Replacement. Circulation, 2013, 127, 2194-2201.	1.6	204
17	Evaluation of Left Ventricular Function Three Years After Percutaneous Recanalization of Chronic Total Coronary Occlusions. American Journal of Cardiology, 2008, 101, 179-185.	1.6	202
18	Value of the SYNTAX Score for Risk Assessment in the All-Comers Population of the Randomized Multicenter LEADERS (Limus Eluted from A Durable versus ERodable Stent coating) Trial. Journal of the American College of Cardiology, 2010, 56, 272-277.	2.8	198

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19	Prediction of Left Ventricular Function After Drug-Eluting Stent Implantation for Chronic Total Coronary Occlusions. Journal of the American College of Cardiology, 2006, 47, 721-725.	2.8	189
20	First Serial Assessment at 6 Months and 2 Years of the Second Generation of Absorb Everolimus-Eluting Bioresorbable Vascular Scaffold. Circulation: Cardiovascular Interventions, 2012, 5, 620-632.	3.9	186
21	Usefulness of multislice computed tomography for detecting obstructive coronary artery disease. American Journal of Cardiology, 2002, 89, 913-918.	1.6	185
22	Effect of Alirocumab Added to High-Intensity Statin Therapy on Coronary Atherosclerosis in Patients With Acute Myocardial Infarction. JAMA - Journal of the American Medical Association, 2022, 327, 1771.	7.4	185
23	Evaluation of Patients after Coronary Artery Bypass Surgery: CT Angiographic Assessment of Grafts and Coronary Arteries. Radiology, 2003, 229, 749-756.	7.3	180
24	Prospective Assessment of the DiagnosticÂAccuracy of Instantaneous Wave-Free Ratio to Assess Coronary Stenosis Relevance. JACC: Cardiovascular Interventions, 2015, 8, 824-833.	2.9	172
25	Effects of Primary Angioplasty for Acute Myocardial Infarction on Early and Late Infarct Size and Left Ventricular Wall Characteristics. Journal of the American College of Cardiology, 2006, 47, 40-44.	2.8	169
26	Near-Infrared Spectroscopy Predicts Cardiovascular Outcome in Patients WithÂCoronary Artery Disease. Journal of the American College of Cardiology, 2014, 64, 2510-2518.	2.8	162
27	Impella ventricular support in clinical practice: Collaborative viewpoint from a European expert user group. International Journal of Cardiology, 2015, 201, 684-691.	1.7	160
28	Multiple common comorbidities produce left ventricular diastolic dysfunction associated with coronary microvascular dysfunction, oxidative stress, and myocardial stiffening. Cardiovascular Research, 2018, 114, 954-964.	3.8	148
29	A Polylactide Bioresorbable Scaffold Eluting Everolimus for Treatment of Coronary Stenosis. Journal of the American College of Cardiology, 2016, 67, 766-776.	2.8	145
30	Cardiac Involvement in Patients With Pulmonary Sarcoidosis Assessed at Two University Medical Centers in the Netherlands. Chest, 2005, 128, 30-35.	0.8	143
31	Frequency and Causes of Stroke During or After Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2012, 109, 1637-1643.	1.6	142
32	The ABSORB EXTEND study: preliminary report of the twelve-month clinical outcomes in the first 512 patients enrolled. EuroIntervention, 2015, 10, 1396-1401.	3.2	139
33	Endothelial-dependent vasomotion in a coronary segment treated by ABSORB everolimus-eluting bioresorbable vascular scaffold system is related to plaque composition at the time of bioresorption of the polymer: indirect finding of vascular reparative therapy?. European Heart Journal, 2012, 33, 1325-1333.	2.2	138
34	Multislice Computed Tomography and Magnetic Resonance Imaging for the Assessment of Reperfused Acute Myocardial Infarction. Journal of the American College of Cardiology, 2006, 48, 144-152.	2.8	137
35	PCSK9 in relation to coronary plaque inflammation: Results of the ATHEROREMO-IVUS study. Atherosclerosis, 2016, 248, 117-122.	0.8	137
36	Fast virtual functional assessment of intermediate coronary lesions using routine angiographic data and blood flow simulation in humans: comparison with pressure wire â€“ fractional flow reserve. EuroIntervention, 2014, 10, 574-583.	3.2	136

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37	Contemporary practice and technical aspects in coronary intervention with bioresorbable scaffolds: a European perspective. EuroIntervention, 2015, 11, 45-52.	3.2	131
38	Integrating CT Myocardial Perfusion andÂCT-FFR in the Work-Up ofÂCoronaryÂArteryÂDisease. JACC: Cardiovascular Imaging, 2017, 10, 760-770.	5.3	130
39	Intravenous Coronary Angiography by Electron Beam Computed Tomography. Circulation, 1998, 98, 2509-2512.	1.6	123
40	Diagnostic performance of stress myocardial perfusion imaging for coronary artery disease: a systematic review and meta-analysis. European Radiology, 2012, 22, 1881-1895.	4.5	123
41	Tissue coverage of a hydrophilic polymer-coated zotarolimus-eluting stent vs. a fluoropolymer-coated everolimus-eluting stent at 13-month follow-up: an optical coherence tomography substudy from the RESOLUTE All Comers trial. European Heart Journal, 2011, 32, 2454-2463.	2.2	121
42	Plasma concentrations of molecular lipid species in relation to coronary plaque characteristics and cardiovascular outcome: Results of the ATHEROREMO-IVUS study. Atherosclerosis, 2015, 243, 560-566.	0.8	120
43	Diagnostic performance of hyperaemic myocardial blood flow index obtained by dynamic computed tomography: does it predict functionally significant coronary lesions?. European Heart Journal Cardiovascular Imaging, 2014, 15, 85-94.	1.2	119
44	Pathophysiology and diagnosis of coronary microvascular dysfunction in ST-elevation myocardial infarction. Cardiovascular Research, 2020, 116, 787-805.	3.8	119
45	Circumferential evaluation of the neointima by optical coherence tomography after ABSORB bioresorbable vascular scaffold implantation: Can the scaffold cap the plaque?. Atherosclerosis, 2012, 221, 106-112.	0.8	115
46	Vascular Tissue Reaction to Acute Malapposition in Human Coronary Arteries. Circulation: Cardiovascular Interventions, 2012, 5, 20-29.	3.9	112
47	Value of Age, Creatinine, and Ejection Fraction (ACEF Score) in Assessing Risk in Patients Undergoing Percutaneous Coronary Interventions in the â€˜All-Comers' LEADERS Trial. Circulation: Cardiovascular Interventions, 2011, 4, 47-56.	3.9	109
48	The Additional Value of Gadolinium-Enhanced MRI to Standard Assessment for Cardiac Involvement in Patients With Pulmonary Sarcoidosis. Chest, 2005, 128, 1629-1637.	0.8	108
49	Incidence and Imaging Outcomes of Acute Scaffold Disruption and Late Structural Discontinuity After Implantation of the Absorb Everolimus-Eluting Fully Bioresorbable Vascular Scaffold. JACC: Cardiovascular Interventions, 2014, 7, 1400-1411.	2.9	108
50	Everolimus-eluting bioresorbable vascular scaffolds for treatment of patients presenting with ST-segment elevation myocardial infarction: BVS STEMI first study. European Heart Journal, 2014, 35, 777-786.	2.2	108
51	Value of the SYNTAX score in patients treated by primary percutaneous coronary intervention for acute ST-elevation myocardial infarction: The MI SYNTAXscore study. American Heart Journal, 2011, 161, 771-781.	2.7	106
52	Complete Revascularization Is NotÂa Prerequisite for Success in Current Transcatheter Aortic Valve ImplantationÂPractice. JACC: Cardiovascular Interventions, 2013, 6, 867-875.	2.9	105
53	Plasma concentrations of molecular lipid species predict long-term clinical outcome in coronary artery disease patients. Journal of Lipid Research, 2018, 59, 1729-1737.	4.2	105
54	Randomized study to assess the effect of thrombus aspiration on flow area in patients with ST-elevation myocardial infarction: an optical frequency domain imaging studyâ€”TROFI trial. European Heart Journal, 2013, 34, 1050-1060.	2.2	103

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55	Accuracy and Reproducibility of Quantitation of Left Ventricular Function by Real-Time Three-Dimensional Echocardiography Versus Cardiac Magnetic Resonance. American Journal of Cardiology, 2008, 102, 778-783.	1.6	101
56	OCT Assessment of the Long-Term Vascular Healing Response 5 Years AfterÂEverolimus-Eluting BioresorbableÂVascular Scaffold. Journal of the American College of Cardiology, 2014, 64, 2343-2356.	2.8	101
57	First-in-man evaluation of intravascular optical frequency domain imaging (OFDI) of Terumo: a comparison with intravascular ultrasound and quantitative coronary angiography. EuroIntervention, 2011, 6, 1037-1045.	3.2	99
58	The Prognostic Utility of the SYNTAX Score on 1-Year Outcomes After Revascularization With Zotarolimus- and Everolimus-Eluting Stents. JACC: Cardiovascular Interventions, 2011, 4, 432-441.	2.9	98
59	Near-infrared spectroscopy-derived lipid core burden index predicts adverse cardiovascular outcome in patients with coronary artery disease during long-term follow-up. European Heart Journal, 2018, 39, 295-302.	2.2	96
60	Angiographic and Optical Coherence Tomography Insights Into Bioresorbable Scaffold Thrombosis. Circulation: Cardiovascular Interventions, 2015, 8, .	3.9	90
61	Recovery of left ventricular function after primary angioplasty for acute myocardial infarction. European Heart Journal, 2005, 26, 1070-1077.	2.2	87
62	A Comparison between QLAB and TomTec Full Volume Reconstruction for Real Time Three-Dimensional Echocardiographic Quantification of Left Ventricular Volumes. Echocardiography, 2007, 24, 967-974.	0.9	87
63	Value of assessment of tricuspid annulus: real-time three-dimensional echocardiography and magnetic resonance imaging. International Journal of Cardiovascular Imaging, 2007, 23, 701-705.	1.5	82
64	Assessment of the aortic annulus by multislice computed tomography, contrast aortography, and transâ€thoracic echocardiography in patients referred for transcatheter aortic valve implantation. Catheterization and Cardiovascular Interventions, 2011, 77, 868-875.	1.7	82
65	Self-Expanding Versus Balloon-Expandable Stents in Acute Myocardial Infarction: Results From the APPOSITION II Study. JACC: Cardiovascular Interventions, 2012, 5, 1209-1219.	2.9	82
66	Aortic annulus dimensions and leaflet calcification from contrast MSCT predict the need for balloon post-dilatation after TAVI with the Medtronic CoreValve prosthesis. EuroIntervention, 2011, 7, 564-572.	3.2	82
67	Quantitative cardiovascular magnetic resonance in pregnant women: cross-sectional analysis of physiological parameters throughout pregnancy and the impact of the supine position. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 31.	3.3	81
68	Changes in mitral regurgitation after transcatheter aortic valve implantation. Catheterization and Cardiovascular Interventions, 2010, 75, 43-49.	1.7	79
69	Usefulness of the SYNTAX Score to Predict â€œNo Reflowâ€•in Patients Treated With Primary Percutaneous Coronary Intervention for ST-Segment Elevation Myocardial Infarction. American Journal of Cardiology, 2012, 109, 601-606.	1.6	78
70	NIRS and IVUS for Characterization of Atherosclerosis in Patients Undergoing Coronary Angiography. JACC: Cardiovascular Imaging, 2011, 4, 647-655.	5.3	76
71	Impact of the SYNTAX scores I and II in patients with diabetes and multivessel coronary disease: a pooled analysis of patient level data from the SYNTAX, PRECOMBAT, and BEST trials. European Heart Journal, 2017, 38, 1969-1977.	2.2	76
72	Magnetic resonance imaging of haemorrhage within reperfused myocardial infarcts: possible interference with iron oxide-labelled cell tracking?. European Heart Journal, 2006, 27, 1620-1626.	2.2	73

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73	The influence of optimal medical treatment on the â€˜obesity paradoxâ€™, body mass index and long-term mortality in patients treated with percutaneous coronary intervention: a prospective cohort study. BMJ Open, 2012, 2, e000535.	1.9	73
74	Tryton I, First-In-Man (FIM) study: six month clinical and angiographic outcome, analysis with new quantitative coronary angiography dedicated for bifurcation lesions. EuroIntervention, 2008, 3, 546-552.	3.2	73
75	Intracoronary delivery of umbilical cord blood derived unrestricted somatic stem cells is not suitable to improve LV function after myocardial infarction in swine. Journal of Molecular and Cellular Cardiology, 2007, 42, 735-745.	1.9	72
76	Cardiac Involvement in Adults With m.3243A>G MELAS Gene Mutation. American Journal of Cardiology, 2007, 99, 264-269.	1.6	72
77	Clinical and intravascular imaging outcomes at 1 and 2 years after implantation of absorb everolimus eluting bioresorbable vascular scaffolds in small vessels. Late lumen enlargement: does bioresorption matter with small vessel size? Insight from the ABSORB cohort B trial. Heart, 2013, 99, 98-105.	2.9	72
78	Clinical Implication of Quantitative Flow Ratio After Percutaneous Coronary Intervention for 3-Vessel Disease. JACC: Cardiovascular Interventions, 2019, 12, 2064-2075.	2.9	71
79	Automatic Quantitative Left Ventricular Analysis of Cine MR Images by Using Three-dimensional Information for Contour Detection. Radiology, 2006, 240, 215-221.	7.3	67
80	Detection and quantification of coronary atherosclerotic plaque by 64-slice multidetector CT: A systematic head-to-head comparison with intravascular ultrasound. Atherosclerosis, 2011, 219, 163-170.	0.8	67
81	Effect of Face-to-Face vs Virtual Reality Training on Cardiopulmonary Resuscitation Quality. JAMA Cardiology, 2020, 5, 328.	6.1	66
82	Diagnostic Accuracy and Clinical Utility of Noninvasive Testing for Coronary Artery Disease. Annals of Internal Medicine, 2010, 152, 630.	3.9	64
83	Quantification of myocardial blood flow by adenosine-stress CT perfusion imaging in pigs during various degrees of stenosis correlates well with coronary artery blood flow and fractional flow reserve. European Heart Journal Cardiovascular Imaging, 2013, 14, 331-338.	1.2	63
84	Quantification of Left Ventricular Volumes and Function in Patients with Cardiomyopathies by Real-time Three-dimensional Echocardiography: A Head-to-Head Comparison Between Two Different Semiautomated Endocardial Border Detection Algorithms. Journal of the American Society of Echocardiography, 2007, 20, 1042-1049.	2.8	61
85	Prosthesisâ€“Patient Mismatch After Transcatheter Aortic Valve Implantation With the Medtronic CoreValve System in Patients With Aortic Stenosis. American Journal of Cardiology, 2010, 106, 255-260.	1.6	61
86	Relative Myocardial Blood Flow by Dynamic Computed Tomographic Perfusion Imaging Predicts Hemodynamic Significance of Coronary Stenosis Better Than Absolute Blood Flow. Investigative Radiology, 2014, 49, 801-807.	6.2	59
87	The Rotterdam Radial Access Research. Circulation: Cardiovascular Interventions, 2016, 9, e003129.	3.9	59
88	A comparative assessment by optical coherence tomography of the performance of the first and second generation of the everolimus-eluting bioresorbable vascular scaffolds. European Heart Journal, 2011, 32, 294-304.	2.2	58
89	Effect of Experience on Results of Transcatheter Aortic Valve Implantation Using a Medtronic CoreValve System. American Journal of Cardiology, 2011, 107, 1824-1829.	1.6	57
90	Vascular Compliance Changes of the Coronary Vessel Wall After Bioresorbable Vascular Scaffold Implantation in the Treated and Adjacent Segments. Circulation Journal, 2012, 76, 1616-1623.	1.6	57

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91	Depression and anxiety symptoms as predictors of mortality in PCI patients at 10 years of follow-up. European Journal of Preventive Cardiology, 2016, 23, 552-558.	1.8	57
92	Reproducibility of coronary Fourier domain optical coherence tomography: quantitative analysis of in vivo stented coronary arteries using three different software packages. EuroIntervention, 2010, 6, 371-379.	3.2	57
93	Inâ€hospital complications after transcatheter aortic valve implantation revisited according to the valve academic research consortium definitions. Catheterization and Cardiovascular Interventions, 2011, 78, 457-467.	1.7	55
94	Three-dimensional optical frequency domain imaging in conventional percutaneous coronary intervention: the potential for clinical application. European Heart Journal, 2013, 34, 875-885.	2.2	54
95	Coronary Plaque Microstructure and Composition Modify Optical Polarization. JACC: Cardiovascular Imaging, 2018, 11, 1666-1676.	5.3	54
96	Five-year outcomes after state-of-the-art percutaneous coronary revascularization in patients with de novo three-vessel disease: final results of the SYNTAX II study. European Heart Journal, 2022, 43, 1307-1316.	2.2	54
97	New Insights Into the Coronary Artery Bifurcation. JACC: Cardiovascular Interventions, 2011, 4, 921-931.	2.9	53
98	Circulating Osteoglycin and NGAL/MMP9 Complex Concentrations Predict 1-Year Major Adverse Cardiovascular Events After Coronary Angiography. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1078-1084.	2.4	53
99	Quantitative Computed Tomographic Coronary Angiography. Circulation: Cardiovascular Imaging, 2014, 7, 43-51.	2.6	53
100	TomografÃa de coherencia Ã³ptica de segunda generaciÃ³n en la prÃ¡ctica clÃnica. La adquisiciÃ³n de datos de alta velocidad muestra una reproducibilidad excelente en pacientes tratados con intervenciones coronarias percutÃ¡neas. Revista Espanola De Cardiologia, 2010, 63, 893-903.	1.2	52
101	Depression is independently associated with 7-year mortality in patients treated with percutaneous coronary intervention: Results from the RESEARCH registry. International Journal of Cardiology, 2013, 167, 2496-2501.	1.7	52
102	Technology Insight: magnetic navigation in coronary interventions. Nature Clinical Practice Cardiovascular Medicine, 2008, 5, 148-156.	3.3	51
103	Arterial Remodeling After Bioresorbable Scaffolds and Metallic Stents. Journal of the American College of Cardiology, 2017, 70, 60-74.	2.8	51
104	Coronary CT angiography derived fractional flow reserve: Methodology and evaluation of a point of care algorithm. Journal of Cardiovascular Computed Tomography, 2016, 10, 105-113.	1.3	50
105	The Impact of Body Mass Index on the One Year Outcomes of Patients Treated by Percutaneous Coronary Intervention With Biolimus- and Sirolimus-Eluting Stents (from the LEADERS Trial). American Journal of Cardiology, 2010, 105, 475-479.	1.6	49
106	Assessment of the safety and performance of the STENTYS self-expanding coronary stent in acute myocardial infarction: results from the APPOSITION I study. EuroIntervention, 2011, 7, 428-436.	3.2	49
107	Impact of Vessel Size on Angiographic and Clinical Outcomes of Revascularization With Biolimus-Eluting Stent With Biodegradable Polymer and Sirolimus-Eluting Stent With Durable Polymer. JACC: Cardiovascular Interventions, 2009, 2, 861-870.	2.9	48
108	Angiographic Geometric Changes of the Lumen Arterial Wall After Bioresorbable Vascular Scaffolds and Metallic Platform Stents at 1-Year Follow-Up. JACC: Cardiovascular Interventions, 2011, 4, 789-799.	2.9	48

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109	Excess mortality in women compared to men after PCI in STEMI: An analysis of 11,931 patients during 2000â€“2009. International Journal of Cardiology, 2014, 176, 456-463.	1.7	48
110	1-Year Clinical Outcomes of Diabetic Patients Treated With Everolimus-Eluting Bioresorbable Vascular Scaffolds. JACC: Cardiovascular Interventions, 2014, 7, 482-493.	2.9	47
111	Safety of optical coherence tomography in daily practice: a comparison with intravascular ultrasound. European Heart Journal Cardiovascular Imaging, 2017, 18, jew037.	1.2	47
112	Comparison of in vivo eccentricity and symmetry indices between metallic stents and bioresorbable vascular scaffolds: Insights from the ABSORB and SPIRIT trials. Catheterization and Cardiovascular Interventions, 2012, 79, 219-228.	1.7	46
113	Antibodies to periodontal pathogens are associated with coronary plaque remodeling but not with vulnerability or burden. Atherosclerosis, 2014, 237, 84-91.	0.8	46
114	Right ventricular involvement and the extent of left ventricular enhancement with magnetic resonance predict adverse outcome in pulmonary sarcoidosis. ESC Heart Failure, 2018, 5, 157-171.	3.1	46
115	Comparison of Contrast Agentâ€“Enhanced Versus Non-Contrast Agentâ€“Enhanced Real-Time Three-Dimensional Echocardiography for Analysis of Left Ventricular Systolic Function. American Journal of Cardiology, 2007, 100, 1485-1489.	1.6	45
116	Long-term tissue coverage of a biodegradable polylactide polymerâ€“coated biolimus-eluting stent: Comparative sequential assessment with optical coherence tomography until complete resorption of the polymer. American Heart Journal, 2011, 162, 922-931.	2.7	45
117	6-Month Clinical Outcomes Following Implantation of the Bioresorbable Everolimus-Eluting Vascular Scaffold in Vessels Smaller or Larger Than 2.5 mm. Journal of the American College of Cardiology, 2011, 58, 258-264.	2.8	44
118	Combining magnetic resonance viability variables better predicts improvement of myocardial function prior to percutaneous coronary intervention. International Journal of Cardiology, 2012, 159, 192-197.	1.7	44
119	Relation of C-Reactive Protein to Coronary Plaque Characteristics on Grayscale, Radiofrequency Intravascular Ultrasound, and Cardiovascular Outcome in Patients With Acute Coronary Syndrome or Stable Angina Pectoris (from the ATHEROREMO-IVUS Study). American Journal of Cardiology, 2014, 114, 1497-1503.	1.6	44
120	A novel method to assess coronary artery bifurcations by OCT: cut-plane analysis for side-branch ostial assessment from a main-vessel pullback. European Heart Journal Cardiovascular Imaging, 2015, 16, 177-189.	1.2	44
121	Addition of the Long-Axis Information to Short-Axis Contours Reduces Interstudy Variability of Left-Ventricular Analysis in Cardiac Magnetic Resonance Studies. Investigative Radiology, 2008, 43, 1-6.	6.2	42
122	Clinical outcome following transcatheter aortic valve implantation in patients with impaired left ventricular systolic function. Catheterization and Cardiovascular Interventions, 2012, 79, 702-710.	1.7	42
123	Plaque sealing and passivation with a mechanical self-expanding low outward force nitinol vShield device for the treatment of IVUS and OCT-derived thin cap fibroatheromas (TCFAs) in native coronary arteries: report of the pilot study vShield Evaluated at Cardiac hospital in Rotterdam for Investigation and Treatment of TCFA (SECRITT). EuroIntervention, 2012, 8, 945-954.	3.2	42
124	Bioresorbable vascular scaffold treatment induces the formation of neointimal cap that seals the underlying plaque without compromising the luminal dimensions: a concept based on serial optical coherence tomography data. EuroIntervention, 2015, 11, 746-756.	3.2	42
125	Basic principles of magnetic resonance imagingâ˜†. Progress in Cardiovascular Diseases, 1999, 42, 149-156.	3.1	41
126	Paclitaxel-coated balloon in combination with bare metal stent for treatment of de novo coronary lesions: an optical coherence tomography first-in-human randomised trial, balloon first vs. stent first. EuroIntervention, 2011, 7, 711-722.	3.2	41

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127	Assessment of Coronary Atherosclerosis Progression and Regression at Bifurcations Using Combined IVUS and OCT. JACC: Cardiovascular Imaging, 2011, 4, 774-780.	5.3	40
128	First case of stenting of a vulnerable plaque in the SECRITT I trialâ€"the dawn of a new era?. Nature Reviews Cardiology, 2009, 6, 374-378.	13.7	39
129	Cause of death after transcatheter aortic valve implantation. Catheterization and Cardiovascular Interventions, 2014, 83, E277-82.	1.7	39
130	A Simplified Continuity Equation Approach to the Quantification of Stenotic Bicuspid Aortic Valves using Velocity-Encoded Cardiovascular Magnetic Resonance. Journal of Cardiovascular Magnetic Resonance, 2007, 9, 899-906.	3.3	38
131	Proximal and distal maximal luminal diameters as a guide to appropriate deployment of the ABSORB everolimusâ€eluting bioresorbable vascular scaffold. Catheterization and Cardiovascular Interventions, 2012, 79, 880-888.	1.7	38
132	Late Cardiac Remodeling After Primary Percutaneous Coronary Intervention. Circulation Journal, 2013, 77, 81-88.	1.6	38
133	Prognostic Value of IntravascularÂUltrasound in PatientsÂWithÂCoronary Artery Disease. Journal of the American College of Cardiology, 2018, 72, 2003-2011.	2.8	38
134	True mitral annulus diameter is underestimated by two-dimensional echocardiography as evidenced by real-time three-dimensional echocardiography and magnetic resonance imaging. International Journal of Cardiovascular Imaging, 2007, 23, 541-547.	1.5	37
135	Limitation of Infarct Size and No-Reflow byÂIntracoronary Adenosine Depends Critically on Dose and Duration. JACC: Cardiovascular Interventions, 2015, 8, 1990-1999.	2.9	37
136	Optical coherence tomography (OCT) of overlapping bioresorbable scaffolds: from benchwork to clinical application. EuroIntervention, 2011, 7, 386-399.	3.2	37
137	Clinical outcomes after zotarolimus and everolimus drug eluting stent implantation in coronary artery bifurcation lesions: insights from the RESOLUTE All Comers Trial. Heart, 2013, 99, 1267-1274.	2.9	36
138	High-sensitivity Troponin T in relation to coronary plaque characteristics in patients with stable coronary artery disease; results of the ATHEROREMO-IVUS study. Atherosclerosis, 2016, 247, 135-141.	0.8	36
139	The three year follow-up of the randomised â€œall-comersâ€•trial of a biodegradable polymer biolimus-eluting stent versus permanent polymer sirolimus-eluting stent (LEADERS). EuroIntervention, 2011, 7, 789-795.	3.2	36
140	Advanced three-dimensional quantitative coronary angiographic assessment of bifurcation lesions: methodology and phantom validation. EuroIntervention, 2013, 8, 1451-1460.	3.2	36
141	Remote Ischemic Conditioning in Percutaneous Coronary Intervention and Coronary Artery Bypass Grafting. Circulation Journal, 2012, 76, 2392-2404.	1.6	35
142	Vascular Response of the Segments Adjacent to the Proximal and Distal Edges of the ABSORB Everolimus-Eluting Bioresorbable Vascular Scaffold: 6-Month and 1-Year Follow-Up Assessment. JACC: Cardiovascular Interventions, 2012, 5, 656-665.	2.9	35
143	Circulating cytokines in relation to the extent and composition of coronary atherosclerosis: Results from the ATHEROREMO-IVUS study. Atherosclerosis, 2014, 236, 18-24.	0.8	35
144	Von Willebrand factor in relation to coronary plaque characteristics and cardiovascular outcome. Thrombosis and Haemostasis, 2015, 113, 577-584.	3.4	35

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145	Intravascular Polarimetry in Patients With Coronary Artery Disease. JACC: Cardiovascular Imaging, 2020, 13, 790-801.	5.3	35
146	Risks and benefits of percutaneous coronary intervention in spontaneous coronary artery dissection. Heart, 2021, 107, 1398-1406.	2.9	35
147	Early (before 6 months), late (6-12 months) and very late (after 12 months) angiographic scaffold restenosis in the ABSORB Cohort B trial. EuroIntervention, 2015, 10, 1288-1298.	3.2	34
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