

# Hector M Garcia-Garcia

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/47990/hector-m-garcia-garcia-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

537  
papers

20,959  
citations

76  
h-index

127  
g-index

646  
ext. papers

24,530  
ext. citations

4.5  
avg, IF

6.31  
L-index

#	Paper	IF	Citations
537	Simultaneous assessment of coronary stenosis relevance with automated computed tomography angiography and intravascular ultrasound analyses and fractional flow reserve. <i>Coronary Artery Disease</i> , <b>2022</b> , 31, 25-30	1.4	
536	Complex vs. non-complex percutaneous coronary intervention with newer-generation drug-eluting stents: an analysis from the randomized BIOFLOW trials.. <i>Clinical Research in Cardiology</i> , <b>2022</b> , 1	6.1	1
535	Near-infrared spectroscopy predicts events in men and women: Results from the Lipid Rich Plaque study.. <i>IJC Heart and Vasculature</i> , <b>2022</b> , 39, 100985	2.4	
534	Optical coherence tomography in coronary atherosclerosis assessment and intervention.. <i>Nature Reviews Cardiology</i> , <b>2022</b> ,	14.8	8
533	Lifetime management of patients with symptomatic severe aortic stenosis: a computed tomography simulation study.. <i>EuroIntervention</i> , <b>2022</b> ,	3.1	2
532	Thin-Cap Fibroatheroma Rather Than Any Lipid Plaques Increases the Risk of Cardiovascular Events in Diabetic Patients: Insights From the COMBINE OCT-FFR Trial.. <i>Circulation: Cardiovascular Interventions</i> , <b>2022</b> , 101161CIRCINTERVENTIONS121011728	6	1
531	Major acute cardiovascular events in patients with inflammatory bowel disease. <i>Coronary Artery Disease</i> , <b>2021</b> , 32, 73-77	1.4	1
530	First in-human evaluation of a novel intravascular ultrasound and optical coherence tomography system for intracoronary imaging. <i>Catheterization and Cardiovascular Interventions</i> , <b>2021</b> ,	2.7	2
529	Longitudinal Distribution of Lipid-Rich Plaque in Nonculprit Lesions: A Lipid Rich Plaque Study Subanalysis. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 15, 168-168	8.4	
528	Comparison of plaque distribution and wire-free functional assessment in patients with stable angina and non-ST elevation myocardial infarction: an optical coherence tomography and quantitative flow ratio study. <i>Coronary Artery Disease</i> , <b>2021</b> , 32, 131-137	1.4	
527	Fully automated lumen and vessel contour segmentation in intravascular ultrasound datasets. <i>Medical Image Analysis</i> , <b>2021</b> , 75, 102262	15.4	3
526	Relationship between arterial remodelling and serial changes in coronary atherosclerosis by intravascular ultrasound: an analysis of the IBIS-4 study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2021</b> , 22, 1054-1062	4.1	
525	From anatomy to function and then back to anatomy: invasive assessment of myocardial ischemia in the catheterization laboratory based on anatomy-derived indices of coronary physiology. <i>Minerva Cardiology and Angiology</i> , <b>2021</b> , 69, 626-640	2.4	1
524	Near-Infrared Spectroscopy Intravascular Ultrasound Imaging Evaluation in Patients With Chronic Renal Insufficiency. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 14, 1476-1478	8.4	1
523	Multi-modality intravascular imaging for guiding coronary intervention and assessing coronary atheroma: the Novasight Hybrid IVUS-OCT system. <i>Minerva Cardiology and Angiology</i> , <b>2021</b> , 69, 655-670	2.4	1
522	Novel device-based therapies to improve outcome in ST-segment elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2021</b> , 10, 687-697	4.3	1
521	Clinical Conundrum: An Insignificant Impact of Statins on Overall Plaque Volume Regression With Promotion of Calcification?. <i>Circulation: Cardiovascular Imaging</i> , <b>2021</b> , CIRCIMAGING121012476	3.9	

520	Balloon-Expandable Valve Geometry After Transcatheter Aortic Valve Replacement in Low-Risk Patients With Bicuspid Versus Tricuspid Aortic Stenosis. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 33, 7-12	1.6	2
519	Underlying mechanisms involved in the icosapent ethyl reduction of cardiovascular events still cannot be attributed to an anti-atherosclerotic effect. <i>European Heart Journal</i> , <b>2021</b> , 42, 3023-3024	9.5	1
518	Angiography-derived index of microcirculatory resistance (IMR) as a novel pressure-wire-free tool to assess coronary microvascular dysfunction in acute coronary syndromes and stable coronary artery disease. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 1801-1813	2.5	5
517	Comparison of Quantitative Flow Ratio and Invasive Physiology Indices in a Diverse Population at a Tertiary United States Hospital. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 32, 1-4	1.6	0
516	Seattle Angina Pectoris Questionnaire and Canadian Cardiovascular Society Angina Categories in the Assessment of Total Coronary Atherosclerotic Burden. <i>American Journal of Cardiology</i> , <b>2021</b> , 152, 43-48	3	
515	Waksman In-Stent Restenosis Classification: A Mechanism-Based Approach to the Treatment of Restenosis. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 33, 62-67	1.6	0
514	Can Cocaine Use Cause Myocardial Infarction?. <i>JACC: Cardiovascular Interventions</i> , <b>2021</b> , 14, 1383	5	
513	Impact of Coronary Calcification on Clinical Outcomes After Implantation of Newer-Generation Drug-Eluting Stents. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e019815	6	2
512	Transcatheter Versus Surgical Aortic Valve Replacement in Young, Low-Risk Patients With Severe Aortic Stenosis. <i>JACC: Cardiovascular Interventions</i> , <b>2021</b> , 14, 1169-1180	5	4
511	Transcatheter aortic valve replacement in low-risk patients: 2-year results from the LRT trial. <i>American Heart Journal</i> , <b>2021</b> , 237, 25-33	4.9	1
510	Discordance in the diagnostic assessment of vulnerable plaques between radiofrequency intravascular ultrasound versus optical coherence tomography among patients with acute myocardial infarction: insights from the IBIS-4 study. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 2839-2847	2.5	1
509	Anatomical Characteristics Associated With Hypoattenuated Leaflet Thickening in Low-Risk Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 27, 1-6	1.6	1
508	Natural History of Adapted Leaman Score Assessing Coronary Artery Disease Progression by Computed Tomography Angiography: A 7-Year Follow-Up Report. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 27, 38-44	1.6	0
507	Intravascular ultrasound guidance in the evaluation and treatment of left main coronary artery disease. <i>International Journal of Cardiology</i> , <b>2021</b> , 325, 168-175	3.2	3
506	Intracoronary Imaging Evaluation of Pull-Back Orbital Atherectomy in Tortuous Coronary Artery With Nodular Calcified Lesion. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 26, 69-70	1.6	0
505	Optical Coherence Tomography based treatment approach for patients with Acute Coronary Syndrome. <i>Expert Review of Cardiovascular Therapy</i> , <b>2021</b> , 19, 141-149	2.5	0
504	Impact of optical coherence tomography findings on clinical outcomes in ST-segment elevation myocardial infarction patients: a MATRIX (Minimizing Adverse Hemorrhagic Events by Trans-radial Access Site and angioX) OCT sub-study. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 1143-1150	2.5	1
503	National trends and 30-day readmission rates for next-day-discharge transcatheter aortic valve replacement: An analysis from the Nationwide Readmissions Database, 2012-2016. <i>American Heart Journal</i> , <b>2021</b> , 231, 25-31	4.9	4

502	Comparison of Contractility Patterns on Left Ventriculogram Versus Longitudinal Strain by Echocardiography in Patients With Takotsubo Cardiomyopathy. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 27, 45-51	1.6	1
501	Randomized Trial of Aspirin Versus Warfarin After Transcatheter Aortic Valve Replacement in Low-Risk Patients. <i>Circulation: Cardiovascular Interventions</i> , <b>2021</b> , 14, e009983	6	7
500	Frequency of Lipid-Rich Coronary Plaques in Stable Angina Pectoris versus Acute Coronary Syndrome (from the Lipid Rich Plaque Study). <i>American Journal of Cardiology</i> , <b>2021</b> , 158, 1-5	3	1
499	Effect of Procedural Technique on Cardiovascular Outcomes Following Second-Generation Drug-Eluting Resorbable Magnesium Scaffold Implantation. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 29, 1-6	1.6	0
498	Impact of Human Immunodeficiency Virus Infection on Takotsubo Cardiomyopathy Outcomes in a Large Nationwide Sample. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 29, 54-58	1.6	0
497	Cangrelor vs. glycoprotein IIb/IIIa inhibitors during percutaneous coronary intervention. <i>American Heart Journal</i> , <b>2021</b> , 238, 59-65	4.9	0
496	Impact of Endothelial Shear Stress on Absorption Process of Resorbable Magnesium Scaffold: A BIOSOLVE-II Substudy. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 29, 9-15	1.6	0
495	Coronary Microvascular Dysfunction in Takotsubo Syndrome Assessed by Angiography-Derived Index of Microcirculatory Resistance: A Pressure-Wire-Free Tool. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	1
494	Long-Term Clinical Outcomes in Patients With an Acute ST-Segment-Elevation Myocardial Infarction Stratified by Angiography-Derived Index of Microcirculatory Resistance. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 717114	5.4	1
493	Lipid-rich plaques detected by near-infrared spectroscopy predict coronary events irrespective of age: A Lipid Rich Plaque sub-study. <i>Atherosclerosis</i> , <b>2021</b> , 334, 17-22	3.1	2
492	Impact of intravascular ultrasound on Outcomes following Percutaneous coronary intervention for In-stent Restenosis (iOPEN-ISR study). <i>International Journal of Cardiology</i> , <b>2021</b> , 340, 17-21	3.2	1
491	Gender Differences and Mortality Trends After Transcatheter Aortic Valve Implantation: A 10-Year Analysis From a Single Tertiary Center. <i>Journal of Invasive Cardiology</i> , <b>2021</b> , 33, E431-E442	0.7	
490	Ultra-Short Term Evaluation of Coronary Vessel Wall Changes in Reference Segments Adjacent to Culprit Lesions in ST-Segment Elevation Myocardial Infarction. <i>Journal of Invasive Cardiology</i> , <b>2021</b> , 33, E923-E930	0.7	
489	Long-Term Clinical Outcomes of Everolimus-Eluting Bioresorbable Scaffolds Versus Everolimus-Eluting Stents: Final 5-Year Results of the AIDA Randomized Clinical Trial. <i>EuroIntervention</i> , <b>2021</b> ,	3.1	2
488	Think to image: image to observe, learn and react. <i>Minerva Cardiology and Angiology</i> , <b>2021</b> , 69, 623-625	2.4	
487	Optimizing Monotherapy Selection, Aspirin Versus P2Y12 Inhibitors, Following Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , <b>2020</b> , 135, 154-165	3	5
486	Ultrathin Bioresorbable-Polymer Sirolimus-Eluting Stents Versus Thin Durable-Polymer Everolimus-Eluting Stents for Coronary Revascularization: 3-Year Outcomes From the Randomized BIOFLOW V Trial. <i>JACC: Cardiovascular Interventions</i> , <b>2020</b> , 13, 1343-1353	5	29
485	Angiography-derived index of microcirculatory resistance as a novel, pressure-wire-free tool to assess coronary microcirculation in ST elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , <b>2020</b> , 36, 1395-1406	2.5	21

484	Periprocedural Myocardial Injury: Pathophysiology, Prognosis, and Prevention. <i>Cardiovascular Revascularization Medicine</i> , <b>2020</b> , 21, 1041-1052	1.6	1
483	Near-Infrared Spectroscopy Intravascular Ultrasound Imaging: State of the Art. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 107	5.4	7
482	Impact of Cangrelor on Coronary Thrombus: Optical Coherence Tomography Assessment. <i>Cardiovascular Revascularization Medicine</i> , <b>2020</b> , 21, 700-701	1.6	0
481	Mechanism of Drug-Eluting Absorbable Metal Scaffold Restenosis: A Serial Optical Coherence Tomography Study. <i>Circulation: Cardiovascular Interventions</i> , <b>2020</b> , 13, e008657	6	3
480	Reply: Periprocedural PCI Myocardial Biomarker Elevation and Mortality. <i>JACC: Cardiovascular Interventions</i> , <b>2020</b> , 13, 266-268	5	
479	Coronary Artery Disease Assessed by Computed Tomography-Based Leaman Score in Patients With Low-Risk Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , <b>2020</b> , 125, 1216-1221 <sup>3</sup>		2
478	Drug-Coated Balloon for De Novo Coronary Artery Disease: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 1061-1073	15.1	33
477	Transcatheter Aortic Valve Replacement in Low-Risk Patients With Symptomatic Severe Bicuspid Aortic Valve Stenosis. <i>JACC: Cardiovascular Interventions</i> , <b>2020</b> , 13, 1019-1027	5	29
476	The Orsiro Ultrathin, Bioresorbable-Polymer Sirolimus-Eluting Stent: A Review of Current Evidence. <i>Cardiovascular Revascularization Medicine</i> , <b>2020</b> , 21, 540-548	1.6	5
475	Risk of Mortality with Paclitaxel Drug-Coated Balloon in De Novo Coronary Artery Disease. <i>Cardiovascular Revascularization Medicine</i> , <b>2020</b> , 21, 549-555	1.6	
474	Periprocedural Myocardial Injury Matters: A Frequently Overlooked Clinical Complication With Fatal Outcomes. <i>JACC: Cardiovascular Interventions</i> , <b>2020</b> , 13, 396	5	
473	Comparison of the Ultrathin Strut, Biodegradable Polymer Sirolimus-eluting Stent With a Durable Polymer Everolimus-eluting Stent in a Chinese Population: The Randomized BIOFLOW VI Trial. <i>Clinical Therapeutics</i> , <b>2020</b> , 42, 649-660.e9	3.5	10
472	Supporting evidence from optical coherence tomography for shortening dual antiplatelet therapy after drug-eluting stents implantation. <i>Expert Review of Cardiovascular Therapy</i> , <b>2020</b> , 18, 261-267	2.5	2
471	Uncommon Anatomic Predisposition to Myocardial Infarction: A Case of Coronary Artery Ectasia. <i>Cureus</i> , <b>2020</b> , 12, e9035	1.2	
470	Safety and performance of the second-generation drug-eluting absorbable metal scaffold (DREAMS 2G) in patients with de novo coronary lesions: three-year clinical results and angiographic findings of the BIOSOLVE-II first-in-man trial. <i>EuroIntervention</i> , <b>2020</b> , 15, e1375-e1382	3.1	18
469	Regadenoson Cardiac Stress Test-Induced Takotsubo Cardiomyopathy: A Case Report. <i>Cureus</i> , <b>2020</b> , 12, e8004	1.2	1
468	What is the best treatment for patients with myocardial infarction with non-obstructive coronary artery disease?. <i>Revista Portuguesa De Cardiologia (English Edition)</i> , <b>2020</b> , 39, 685-686	0	
467	Comparison of clinical outcomes between Magmaris and Orsiro drug eluting stent at 12 months: Pooled patient level analysis from BIOSOLVE II-III and BIOFLOW II trials. <i>International Journal of Cardiology</i> , <b>2020</b> , 300, 60-65	3.2	8

466	Assessment of residual thrombus burden in patients with ST-segment elevation myocardial infarction undergoing bivalirudin versus unfractionated heparin infusion: The MATRIX (minimizing adverse hemorrhagic events by transradial access site and angioX) OCT study. <i>Catheterization and Cardiovascular Interventions</i> , <b>2020</b> , 96, 1156-1171	2.7	0
465	Silent Myocardial Infarction and Sudden Cardiac Death-Finding the Culprit. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 110	16.2	
464	Paclitaxel-related balloons and stents for the treatment of peripheral artery disease: Insights from the Food and Drug Administration 2019 Circulatory System Devices Panel Meeting on late mortality. <i>American Heart Journal</i> , <b>2020</b> , 222, 112-120	4.9	16
463	Impact of Intravascular Ultrasound on Outcomes Following Percutaneous Coronary Intervention in Complex Lesions (iOPEN Complex). <i>American Heart Journal</i> , <b>2020</b> , 221, 74-83	4.9	12
462	Retained Coronary Guidewire Extending to the Right Axillary Artery. <i>Cardiovascular Revascularization Medicine</i> , <b>2020</b> , 21, 434-435	1.6	
461	Impact of periprocedural biomarker elevation on mortality in stable angina pectoris patients undergoing elective coronary intervention: a systematic review and meta-analysis including 24 666 patients. <i>Coronary Artery Disease</i> , <b>2020</b> , 31, 137-146	1.4	3
460	Computed Tomography Angiography-Based Risk Discrimination: An Established Bright Future for Prognostication. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 1097-1098	8.4	2
459	Automated lumen segmentation using multi-frame convolutional neural networks in intravascular ultrasound datasets. <i>European Heart Journal Digital Health</i> , <b>2020</b> , 1, 75-82	2.3	4
458	What is the best treatment for patients with myocardial infarction with non-obstructive coronary artery disease?. <i>Revista Portuguesa De Cardiologia</i> , <b>2020</b> , 39, 685-686	1	
457	Comprehensive assessment of coronary computed tomography angiography by using Leaman and Leiden score in overweight and obese patients. <i>International Journal of Cardiovascular Imaging</i> , <b>2020</b> , 36, 2377-2382	2.5	2
456	The IMPact on Revascularization Outcomes of intraVascular ultrasound-guided treatment of complex lesions and Economic impact (IMPROVE) trial: Study design and rationale. <i>American Heart Journal</i> , <b>2020</b> , 228, 65-71	4.9	3
455	Correlation between computed tomography adapted leaman score and computed tomography liver and spleen attenuation parameters for non-alcoholic fatty liver disease as well as respective inflammatory mediators. <i>International Journal of Cardiovascular Imaging</i> , <b>2020</b> , 36, 2383-2391	2.5	1
454	Prediction of atherosclerotic disease progression combining computational modelling with machine learning. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2020</b> , 2020, 2760-2763	0.9	1
453	Staged Percutaneous Coronary Intervention with Rotational Atherectomy or Bypass Surgery in Chronic Hemodialysis and Severely Calcified Left Main True Bifurcation Lesion: A Case Report and Literature Review. <i>Clinical Medicine Insights: Cardiology</i> , <b>2020</b> , 14, 1179546820951798	3.2	
452	Comparison of Ultrathin, Bioresorbable-Polymer Sirolimus-Eluting Stents and Thin, Durable-Polymer Everolimus-Eluting Stents in Calcified or Small Vessel Lesions. <i>Circulation: Cardiovascular Interventions</i> , <b>2020</b> , 13, e009189	6	2
451	Should We Simplify Computed Tomography Angiography Reporting as Black or White vs Describing All Shades of Gray?. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 1449-1450	16.2	
450	Feasibility of a Porcine Arteriovenous Shunt Model for Assessment of Acute Thrombogenicity in Bifurcation Stenting Technique By Optical Coherence Tomography. <i>Cardiovascular Revascularization Medicine</i> , <b>2020</b> , 21, 1000-1005	1.6	1
449	Comparison of quantitative flow ratio value of left anterior descending and circumflex coronary artery in patients with Takotsubo syndrome. <i>International Journal of Cardiovascular Imaging</i> , <b>2020</b> , 36, 3-8	2.5	1

448	Second-Generation Drug-Eluting Resorbable Magnesium Scaffold: Review of the Clinical Evidence. <i>Cardiovascular Revascularization Medicine</i> , <b>2020</b> , 21, 127-136	1.6	9
447	Utility of Multimodality Intravascular Imaging and the Local Hemodynamic Forces to Predict Atherosclerotic Disease Progression. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 1021-1032	8.4	12
446	Sustained Safety and Performance of the Second-Generation Sirolimus-Eluting Absorbable Metal Scaffold: Pooled Outcomes of the BIOSOLVE-II and -III Trials at 3 Years. <i>Cardiovascular Revascularization Medicine</i> , <b>2020</b> , 21, 1150-1154	1.6	6
445	Feasibility of Coronary Access and Aortic Valve Reintervention in Low-Risk TAVR Patients. <i>JACC: Cardiovascular Interventions</i> , <b>2020</b> , 13, 726-735	5	40
444	Novel Indices of Coronary Physiology: Do We Need Alternatives to Fractional Flow Reserve?. <i>Circulation: Cardiovascular Interventions</i> , <b>2020</b> , 13, e008487	6	21
443	Relation of Sex and Race to Outcomes in Patients Undergoing Percutaneous Intervention With Drug-Eluting Stents. <i>American Journal of Cardiology</i> , <b>2019</b> , 123, 913-918	3	13
442	Intravascular Ultrasound Assessment of the Impact of Intravascular Lithotripsy. <i>Cardiovascular Revascularization Medicine</i> , <b>2019</b> , 20, 1209-1210	1.6	0
441	OCT Appraisal of Residual Thrombus Burden in Patients With STEMI Undergoing Intraprocedural Versus Post-Stenting Prolonged Bivalirudin Infusion: The MATRIX OCT Study. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 934-936	8.4	2
440	Effects of Cangrelor as Adjunct Therapy to Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , <b>2019</b> , 123, 1228-1238	3	0
439	Is Negative Coronary CT Angiogram a No Cardiovascular Event Warranty Over 10 Years?. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 382-383	8.4	
438	Effect of Statin Therapy on Fibrous Cap Thickness in Coronary Plaque on Optical Coherence Tomography - Review and Meta-Analysis. <i>Circulation Journal</i> , <b>2019</b> , 83, 1480-1488	2.9	13
437	DNA Damage and Repair in Patients With Coronary Artery Disease: Correlation With Plaque Morphology Using Optical Coherence Tomography (DECODE Study). <i>Cardiovascular Revascularization Medicine</i> , <b>2019</b> , 20, 812-818	1.6	1
436	The Impact of Blood Pressure Variability on Coronary Arterial Lumen Dimensions as Assessed by Optical Coherence Tomography in Patients with ST-Elevation Myocardial Infarction. <i>Cardiovascular Revascularization Medicine</i> , <b>2019</b> , 20, 768-774	1.6	1
435	Critical Appraisal of Contemporary Clinical Endpoint Definitions in Coronary Intervention Trials: A Guidance Document. <i>JACC: Cardiovascular Interventions</i> , <b>2019</b> , 12, 805-819	5	15
434	TAVR in Low-Risk Patients: 1-Year Results From the LRT Trial. <i>JACC: Cardiovascular Interventions</i> , <b>2019</b> , 12, 901-907	5	39
433	Implications of the local haemodynamic forces on the phenotype of coronary plaques. <i>Heart</i> , <b>2019</b> , 105, 1078-1086	5.1	9
432	Usefulness of skeletal muscle area detected by computed tomography to predict mortality in patients undergoing transcatheter aortic valve replacement: a meta-analysis study. <i>International Journal of Cardiovascular Imaging</i> , <b>2019</b> , 35, 1141-1147	2.5	15
431	Genetic and Nongenetic Implications of Racial Variation in Response to Antiplatelet Therapy. <i>American Journal of Cardiology</i> , <b>2019</b> , 123, 1878-1883	3	3

430	Techniques to Optimize the Use of Optical Coherence Tomography: Insights from the Manufacturer and User Facility Device Experience (MAUDE) Database. <i>Cardiovascular Revascularization Medicine</i> , <b>2019</b> , 20, 507-512	1.6	11
429	Comparison of intra-procedural vs. post-stenting prolonged bivalirudin infusion for residual thrombus burden in patients with ST-segment elevation myocardial infarction undergoing: the MATRIX (Minimizing Adverse Haemorrhagic Events by TRansradial Access Site and angioX) OCT study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2019</b> , 20, 1418-1428	4.1	5
428	Angiographic derived endothelial shear stress: a new predictor of atherosclerotic disease progression. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2019</b> , 20, 314-322	4.1	5
427	Standardized classification and framework for reporting, interpreting, and analysing medication non-adherence in cardiovascular clinical trials: a consensus report from the Non-adherence Academic Research Consortium (NARC). <i>European Heart Journal</i> , <b>2019</b> , 40, 2070-2085	9.5	35
426	Complex Lesion PCI: Is the Risk of Cardiac Mortality Higher Than That of Revascularization?. <i>JACC: Cardiovascular Interventions</i> , <b>2019</b> , 12, 1516	5	
425	Deoxyribonucleic Acid Repair Activity Is Associated with Healed Coronary Plaque Rupture by Optical Coherence Tomography. <i>Journal of Cardiovascular Translational Research</i> , <b>2019</b> , 12, 608-610	3.3	1
424	Impact of two formulas to calculate percentage diameter stenosis of coronary lesions: from stenosis models (phantom lesion model) to actual clinical lesions. <i>International Journal of Cardiovascular Imaging</i> , <b>2019</b> , 35, 2139-2146	2.5	1
423	Identification of patients and plaques vulnerable to future coronary events with near-infrared spectroscopy intravascular ultrasound imaging: a prospective, cohort study. <i>Lancet, The</i> , <b>2019</b> , 394, 1629-1637 <sup>131</sup>	4.0	131
422	Impact of Periprocedural Myocardial Biomarker Elevation on Mortality Following Elective Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , <b>2019</b> , 12, 1954-1962	5	23
421	Intravascular ultrasound-guided drug-eluting stent implantation. <i>Minerva Cardioangiologica</i> , <b>2019</b> , 67, 306-317	1.1	10
420	SYNTAX score in relation to intravascular ultrasound and near-infrared spectroscopy for the assessment of atherosclerotic burden in patients with coronary artery disease. <i>EuroIntervention</i> , <b>2019</b> , 14, 1408-1415	3.1	5
419	Randomised evaluation of a novel biodegradable polymer-based sirolimus-eluting stent in ST-segment elevation myocardial infarction: the MASTER study. <i>EuroIntervention</i> , <b>2019</b> , 14, e1836-e1842 <sup>2.1</sup>	2.1	11
418	Paclitaxel-coated balloons and stents for the treatment of peripheral artery disease: proceedings from the Cardiovascular Research Technologies (CRT) 2019 Town Hall. <i>EuroIntervention</i> , <b>2019</b> , 15, e317-e319 <sup>3.1</sup>	3.1	2
417	Update on Coronary Angiography-Based Physiology Technologies. <i>Arquivos Brasileiros De Cardiologia</i> , <b>2019</b> , 113, 282-285	1.2	1
416	Triple coronary vessel disease including double vessel chronic total occlusion: Quantitative flow ratio minimizes injury of the single vessel that provides collaterals. <i>Cardiology Journal</i> , <b>2019</b> , 26, 407-409 <sup>1.4</sup>	1.4	
415	First Report of Edge Vascular Response at 12 Months of Magmaris, A Second-Generation Drug-Eluting Resorbable Magnesium Scaffold, Assessed by Grayscale Intravascular Ultrasound, Virtual Histology, and Optical Coherence Tomography. A Biosolve-II Trial Sub-Study. <i>Cardiovascular Revascularization Medicine</i> , <b>2019</b> , 20, 333-338	1.6	9
414	Reproducibility of Semi-automated Three-dimensional Volumetric Analysis using Cardiac Computed Tomography in Patients With Left Ventricular Assist Device. <i>Cardiovascular Revascularization Medicine</i> , <b>2019</b> , 20, 381-386	1.6	0
413	Renal sympathetic denervation in Sweden: a report from the Swedish registry for renal denervation. <i>Journal of Hypertension</i> , <b>2019</b> , 37, 449	1.9	1



412	Hemodynamics and Subclinical Leaflet Thrombosis in Low-Risk Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Circulation: Cardiovascular Imaging</i> , <b>2019</b> , 12, e009608	3.9	20
411	Coronary fractional flow reserve derived from intravascular ultrasound imaging: Validation of a new computational method of fusion between anatomy and physiology. <i>Catheterization and Cardiovascular Interventions</i> , <b>2019</b> , 93, 266-274	2.7	12
410	Intracoronary imaging to guide percutaneous coronary intervention: Clinical implications. <i>International Journal of Cardiology</i> , <b>2019</b> , 274, 394-401	3.2	2
409	Percutaneous Coronary Intervention for Chronic Total Occlusion in Patients With Chronic Kidney Disease: Should Imaging Surveillance Be Mandatory?. <i>Canadian Journal of Cardiology</i> , <b>2019</b> , 35, 545.e9	3.8	
408	Takotsubo syndrome: State-of-the-art review by an expert panel - Part 1. <i>Cardiovascular Revascularization Medicine</i> , <b>2019</b> , 20, 70-79	1.6	38
407	Takotsubo syndrome: State-of-the-art review by an expert panel - Part 2. <i>Cardiovascular Revascularization Medicine</i> , <b>2019</b> , 20, 153-166	1.6	22
406	Impact of procedural characteristics on coronary vessel wall healing following implantation of second-generation drug-eluting absorbable metal scaffold in patients with de novo coronary artery lesions: an optical coherence tomography analysis. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2019</b> , 20, 916-924	4.1	12
405	Value of the SYNTAX Score in ST-Elevation Myocardial Infarction Patients With a Concomitant Chronic Total Coronary Occlusion (from the EXPLORE Trial). <i>American Journal of Cardiology</i> , <b>2019</b> , 123, 1035-1043	3	3
404	Serial 3-Dimensional Optical Coherence Tomography Assessment of Jailed Side-Branch by Second-Generation Drug-Eluting Absorbable Metal Scaffold (from the BIOSOLVE-II Trial). <i>American Journal of Cardiology</i> , <b>2019</b> , 123, 1044-1051	3	1
403	Left main true bifurcation PCI: In the aftermath of DKCRUSH V trial: The case for modifying Medina terminology to include complexity of LMCA anatomy. <i>Cardiovascular Revascularization Medicine</i> , <b>2018</b> , 19, 137-138	1.6	1
402	Comparison of the Efficacy and Safety of Orbital and Rotational Atherectomy in Calcified Narrowings in Patients Who Underwent Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , <b>2018</b> , 121, 934-939	3	11
401	In vivo serial invasive imaging of the second-generation drug-eluting absorbable metal scaffold (Magmaris - DREAMS 2G) in de novo coronary lesions: Insights from the BIOSOLVE-II First-In-Man Trial. <i>International Journal of Cardiology</i> , <b>2018</b> , 255, 22-28	3.2	36
400	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> , <b>2018</b> , 92, E106-E114	2.7	5
399	Serial volumetric assessment of coronary fibroatheroma by optical frequency domain imaging: insights from the TROFI trial. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2018</b> , 19, 92-100	4.1	3
398	Virtual Resting Pd/Pa From Coronary Angiography and Blood Flow Modelling: Diagnostic Performance Against Fractional Flow Reserve. <i>Heart Lung and Circulation</i> , <b>2018</b> , 27, 377-380	1.8	6
397	Intravascular imaging in cardiovascular ageing. <i>Experimental Gerontology</i> , <b>2018</b> , 109, 31-37	4.5	1
396	Near-infrared spectroscopy-derived lipid core burden index predicts adverse cardiovascular outcome in patients with coronary artery disease during long-term follow-up. <i>European Heart Journal</i> , <b>2018</b> , 39, 295-302	9.5	60
395	Intravascular ultrasound assessment of the effect of laser energy on the arterial wall during the treatment of femoro-popliteal lesions: a CliRpath excimer laser system to enlarge lumen openings (CELLO) registry study. <i>International Journal of Cardiovascular Imaging</i> , <b>2018</b> , 34, 345-352	2.5	5

394	Safety and clinical performance of a drug eluting absorbable metal scaffold in the treatment of subjects with de novo lesions in native coronary arteries: Pooled 12-month outcomes of BIOSOLVE-II and BIOSOLVE-III. <i>Catheterization and Cardiovascular Interventions</i> , <b>2018</b> , 92, E502-E511	2.7	33
393	Impact of statins preloading before PCI on periprocedural myocardial infarction among stable angina pectoris patients undergoing percutaneous coronary intervention: A meta-analysis of randomized controlled trials. <i>Cardiovascular Revascularization Medicine</i> , <b>2018</b> , 19, 971-975	1.6	7
392	Assessment of left ventricular ejection fraction with late-systolic and mid-diastolic cardiac phases using multi-slice computed tomography. <i>Radiography</i> , <b>2018</b> , 24, e85-e90	2	0
391	Defining Staged Procedures for Percutaneous Coronary Intervention Trials: A Guidance Document. <i>JACC: Cardiovascular Interventions</i> , <b>2018</b> , 11, 823-832	5	7
390	Stentless strategy in primary PCI setting: An alternative strategy in some clinical scenarios?. <i>Cardiovascular Revascularization Medicine</i> , <b>2018</b> , 19, 5-7	1.6	1
389	Standardized End Point Definitions for Coronary Intervention Trials: The Academic Research Consortium-2 Consensus Document. <i>European Heart Journal</i> , <b>2018</b> , 39, 2192-2207	9.5	91
388	Standardized End Point Definitions for Coronary Intervention Trials: The Academic Research Consortium-2 Consensus Document. <i>Circulation</i> , <b>2018</b> , 137, 2635-2650	16.7	172
387	Letter by Dan et al Regarding Article, "Treatment Effect of Drug-Coated Balloons Is Durable to 3 Years in the Femoropopliteal Arteries: Long-Term Results of the IN.PACT SFA Randomized Trial". <i>Circulation: Cardiovascular Interventions</i> , <b>2018</b> , 11, e006679	6	3
386	Neointima and neoatherosclerotic characteristics in bare metal and first- and second-generation drug-eluting stents in patients admitted with cardiovascular events attributed to stent failure: an optical coherence tomography study. <i>EuroIntervention</i> , <b>2018</b> , 13, e1831-e1840	3.1	9
385	The European Collaborative Project on Inflammation and Vascular Wall Remodeling in Atherosclerosis - Intravascular Ultrasound (ATHEROREMO-IVUS) study. <i>EuroIntervention</i> , <b>2018</b> , 14, 194-203	3.1	9
384	Adiponectin in Relation to Coronary Plaque Characteristics on Radiofrequency Intravascular Ultrasound and Cardiovascular Outcome. <i>Arquivos Brasileiros De Cardiologia</i> , <b>2018</b> , 111, 345-353	1.2	3
383	Optical coherence tomography-guided percutaneous coronary intervention compared with other imaging guidance: a meta-analysis. <i>International Journal of Cardiovascular Imaging</i> , <b>2018</b> , 34, 503-513	2.5	14
382	Ultrathin Bioresorbable Polymer Sirolimus-Eluting Stents Versus Thin Durable Polymer Everolimus-Eluting Stents. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 3287-3297	15.1	54
381	The Power of Imaging: The Default Question Should Become When Should Intravascular Imaging Be Avoided?. <i>JACC: Cardiovascular Interventions</i> , <b>2018</b> , 11, 2232-2233	5	0
380	Using Intravascular Ultrasound in Patients With Acute Coronary Syndrome: Characterizing Attenuated Plaque Is (Im)possible?. <i>JACC: Cardiovascular Interventions</i> , <b>2018</b> , 11, 2545	5	1
379	Mismatch Between Diameter Stenosis and Plaque Atheroma Volume: Challenging Glagov Phenomenon?. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 1550-1551	8.4	
378	Subgroup Analysis Comparing Ultrathin, Bioresorbable Polymer Sirolimus-Eluting Stents Versus Thin, Durable Polymer Everolimus-Eluting Stents in Acute Coronary Syndrome Patients. <i>Circulation: Cardiovascular Interventions</i> , <b>2018</b> , 11, e007331	6	16
377	Transcatheter Aortic Valve Replacement in Low-Risk Patients With Symptomatic Severe Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 2095-2105	15.1	127

376	Prognostic Value of Intravascular Ultrasound in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 2003-2011	15.1	23
375	Associations of 26 Circulating Inflammatory and Renal Biomarkers with Near-Infrared Spectroscopy and Long-term Cardiovascular Outcome in Patients Undergoing Coronary Angiography (ATHEROREMO-NIRS Substudy). <i>Current Atherosclerosis Reports</i> , <b>2018</b> , 20, 52	6	7
374	Meta-Analysis of the Impact of Strut Thickness on Outcomes in Patients With Drug-Eluting Stents in a Coronary Artery. <i>American Journal of Cardiology</i> , <b>2018</b> , 122, 1652-1660	3	37
373	Clinical outcomes of complete revascularization using either angiography-guided or fractional flow reserve-guided drug-eluting stent implantation in non-culprit vessels in ST elevation myocardial infarction patients: insights from a study based on a systematic review and meta-analysis. <i>International Journal of Cardiovascular Imaging</i> , <b>2018</b> , 34, 1349-1364	2.5	4
372	Implications of the local hemodynamic forces on the formation and destabilization of neoatherosclerotic lesions. <i>International Journal of Cardiology</i> , <b>2018</b> , 272, 7-12	3.2	8
371	Prediction of atherosclerotic disease progression using LDL transport modelling: a serial computed tomographic coronary angiographic study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2017</b> , 18, 11-18 <sup>1</sup>	4.1	24
370	Segmental comparison between a dedicated bifurcation stent and balloon angioplasty using intravascular ultrasound and three-dimensional quantitative coronary angiography: A subgroup analysis of the Tryton IDE randomized trial. <i>Catheterization and Cardiovascular Interventions</i> , <b>2017</b> , 89, E53-E63	2.7	4
369	The Lipid-Rich Plaque Study of vulnerable plaques and vulnerable patients: Study design and rationale. <i>American Heart Journal</i> , <b>2017</b> , 192, 98-104	4.9	27
368	Intravascular Ultrasound-Guided PCI: Undervalued Since its Inception. <i>JACC: Cardiovascular Interventions</i> , <b>2017</b> , 10, 417	5	
367	Comparison of Propensity Score-Matched Analysis of Acute Kidney Injury After Percutaneous Coronary Intervention With Transradial Versus Transfemoral Approaches. <i>American Journal of Cardiology</i> , <b>2017</b> , 119, 1507-1511	3	10
366	Letter by Muntan�Carol et al Regarding Article, "Bioresorbable Vascular Scaffolds for the Treatment of Chronic Total Occlusions: An International Multicenter Registry". <i>Circulation: Cardiovascular Interventions</i> , <b>2017</b> , 10, e005208	6	
365	Correlates and Significance of Elevation of Cardiac Biomarkers Elevation Following Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , <b>2017</b> , 120, 850-856	3	4
364	Impact on mortality of coronary and non-coronary cardiovascular findings in non-gated thoracic CT by malignancy status. <i>European Journal of Radiology</i> , <b>2017</b> , 93, 169-177	4.7	3
363	ANTARCTIC: platelet function testing to adjust therapy. <i>Lancet, The</i> , <b>2017</b> , 389, 1192-1193	4.0	
362	Management and Outcome of Residual Aortic Regurgitation After Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , <b>2017</b> , 120, 632-639	3	3
361	Neoatherosclerosis development following bioresorbable vascular scaffold implantation in diabetic and non-diabetic swine. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183419	3.7	3
360	Impact of plaque characteristics on the degree of functional stenosis. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2017</b> , 7, 219-226	2.6	
359	Ultrathin, bioresorbable polymer sirolimus-eluting stents versus thin, durable polymer everolimus-eluting stents in patients undergoing coronary revascularisation (BIOFLOW V): a randomised trial. <i>Lancet, The</i> , <b>2017</b> , 390, 1843-1852	4.0	159

358	Coronary Artery Aneurysm With Thrombosis After Implantation of a Bioresorbable Coronary Artery Scaffold. <i>JACC: Cardiovascular Interventions</i> , <b>2017</b> , 10, e173-e174	5	1
357	The influence of coronary plaque morphology assessed by optical coherence tomography on final microvascular function after stenting in patients with ST-elevation myocardial infarction. <i>Coronary Artery Disease</i> , <b>2017</b> , 28, 198-208	1.4	3
356	Fibrinogen in relation to degree and composition of coronary plaque on intravascular ultrasound in patients undergoing coronary angiography. <i>Coronary Artery Disease</i> , <b>2017</b> , 28, 23-32	1.4	13
355	Polymer-free Biolimus A9-coated stents in the treatment of de novo coronary lesions with short DAPT: 9-month angiographic and clinical follow-up of the prospective, multicenter BioFreedom USA clinical trial. <i>Cardiovascular Revascularization Medicine</i> , <b>2017</b> , 18, 475-481	1.6	6
354	High screen failure rate in patients with resistant hypertension: Findings from SYMPPLICITY HTN-3. <i>American Heart Journal</i> , <b>2017</b> , 192, 76-84	4.9	1
353	Prediction of Atherosclerotic Plaque Development in an In Vivo Coronary Arterial Segment Based on a Multilevel Modeling Approach. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2017</b> , 64, 1721-1730	5	21
352	Sex differences in plaque characteristics by intravascular imaging in patients with coronary artery disease. <i>EuroIntervention</i> , <b>2017</b> , 13, 320-328	3.1	23
351	Influence of the amount of myocardium subtended to a coronary stenosis on the index of microcirculatory resistance. Implications for the invasive assessment of microcirculatory function in ischaemic heart disease. <i>EuroIntervention</i> , <b>2017</b> , 13, 944-952	3.1	21
350	Sustained safety and clinical performance of a drug-eluting absorbable metal scaffold up to 24 months: pooled outcomes of BIOSOLVE-II and BIOSOLVE-III. <i>EuroIntervention</i> , <b>2017</b> , 13, 432-439	3.1	76
349	Assessment of bioresorbable scaffolds by IVUS: Echogenicity, virtual histology, and palpography <b>2017</b> , 134-141		
348	Noninvasive Prediction of Atherosclerotic Progression: The PROSPECT-MSCT Study. <i>JACC: Cardiovascular Imaging</i> , <b>2016</b> , 9, 1009-11	8.4	22
347	Safety and performance of the second-generation drug-eluting absorbable metal scaffold in patients with de-novo coronary artery lesions (BIOSOLVE-II): 6 month results of a prospective, multicentre, non-randomised, first-in-man trial. <i>Lancet, The</i> , <b>2016</b> , 387, 31-9	40	224
346	Letter by Garcia-Garcia and Brugaletta Regarding Article, "Optical Coherence Tomography-Guided Percutaneous Coronary Intervention in ST-Segment-Elevation Myocardial Infarction: A Prospective Propensity-Matched Cohort of the Thrombectomy Versus Percutaneous Coronary Intervention Alone Trial". <i>Circulation: Cardiovascular Interventions</i> , <b>2016</b> , 9,	6	
345	Prognostic Determinants of Coronary Atherosclerosis in Stable Ischemic Heart Disease: Anatomy, Physiology, or Morphology?. <i>Circulation Research</i> , <b>2016</b> , 119, 317-29	15.7	24
344	Role of invasive imaging in acute and long-term assessment of bioresorbable scaffold technology. <i>Catheterization and Cardiovascular Interventions</i> , <b>2016</b> , 88, 38-53	2.7	2
343	Outcomes of a dedicated stent in coronary bifurcations with large side branches: A subanalysis of the randomized TRYTON bifurcation study. <i>Catheterization and Cardiovascular Interventions</i> , <b>2016</b> , 87, 1231-41	2.7	14
342	The incidence and relevance of site-reported vs. patient-reported angina: insights from the ABSORB II randomized trial comparing Absorb everolimus-eluting bioresorbable scaffold with XIENCE everolimus-eluting metallic stent. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , <b>2016</b> , 2, 108-116	4.6	3
341	Three-dimensional reconstruction of coronary arteries and plaque morphology using CT angiography--comparison and registration with IVUS. <i>BMC Medical Imaging</i> , <b>2016</b> , 16, 9	2.9	27

340	Ultrasound vs Angiography for Drug-Eluting Stent Implantation. <i>JAMA - Journal of the American Medical Association</i> , <b>2016</b> , 315, 2469	27.4	
339	Mechanisms of Very Late Drug-Eluting Stent Thrombosis Assessed by Optical Coherence Tomography. <i>Circulation</i> , <b>2016</b> , 133, 650-60	16.7	200
338	Impact of the Everolimus-eluting Bioresorbable Scaffold in Coronary Atherosclerosis. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2016</b> , 69, 109-16	0.7	3
337	Everolimus-eluting bioresorbable stent vs. durable polymer everolimus-eluting metallic stent in patients with ST-segment elevation myocardial infarction: results of the randomized ABSORB ST-segment elevation myocardial infarction-TROFI II trial. <i>European Heart Journal</i> , <b>2016</b> , 37, 229-40	9.5	159
336	Vulnerable plaque detection: an unrealistic quest or a feasible objective with a clinical value?. <i>Heart</i> , <b>2016</b> , 102, 581-9	5.1	23
335	PCSK9 in relation to coronary plaque inflammation: Results of the ATHEROREMO-IVUS study. <i>Atherosclerosis</i> , <b>2016</b> , 248, 117-22	3.1	96
334	Defining the non-vulnerable and vulnerable patients with computed tomography coronary angiography: evaluation of atherosclerotic plaque burden and composition. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2016</b> , 17, 481-91	4.1	26
333	High-sensitivity Troponin T in relation to coronary plaque characteristics in patients with stable coronary artery disease; results of the ATHEROREMO-IVUS study. <i>Atherosclerosis</i> , <b>2016</b> , 247, 135-41	3.1	26
332	Changes of coronary plaque composition correlate with C-reactive protein levels in patients with ST-elevation myocardial infarction following high-intensity statin therapy. <i>Atherosclerosis</i> , <b>2016</b> , 247, 154-60	3.1	16
331	Efecto del armazn bioabsorbible liberador de everolimus en la aterosclerosis coronaria. <i>Revista Espanola De Cardiologia</i> , <b>2016</b> , 69, 109-116	1.5	6
330	Evaluation of vascular healing of polymer-free sirolimus-eluting stents in native coronary artery stenosis: a serial follow-up at three and six months with optical coherence tomography imaging. <i>EuroIntervention</i> , <b>2016</b> , 12, e574-83	3.1	12
329	Integrated Biomarker and Imaging Study 3 (IBIS-3) to assess the ability of rosuvastatin to decrease necrotic core in coronary arteries. <i>EuroIntervention</i> , <b>2016</b> , 12, 734-9	3.1	21
328	Variability in the measurement of minimum fibrous cap thickness and reproducibility of fibroatheroma classification by optical coherence tomography using manual versus semi-automatic assessment. <i>EuroIntervention</i> , <b>2016</b> , 12, e987-e997	3.1	14
327	Long-term invasive follow-up of the everolimus-eluting bioresorbable vascular scaffold: five-year results of multiple invasive imaging modalities. <i>EuroIntervention</i> , <b>2016</b> , 11, 996-1003	3.1	69
326	Arterial healing following primary PCI using the Absorb everolimus-eluting bioresorbable vascular scaffold (Absorb BVS) versus the durable polymer everolimus-eluting metallic stent (XIENCE) in patients with acute ST-elevation myocardial infarction: rationale and design of the randomised TROFI II study. <i>EuroIntervention</i> , <b>2016</b> , 12, 482-9	3.1	20
325	Left main or proximal left anterior descending coronary artery disease location identifies high-risk patients deriving potentially greater benefit from prolonged dual antiplatelet therapy duration. <i>EuroIntervention</i> , <b>2016</b> , 11, e1222-30	3.1	27
324	Long-term ticagrelor monotherapy versus standard dual antiplatelet therapy followed by aspirin monotherapy in patients undergoing biolimus-eluting stent implantation: rationale and design of the GLOBAL LEADERS trial. <i>EuroIntervention</i> , <b>2016</b> , 12, 1239-1245	3.1	86
323	Clinical outcomes of "complete, partially complete, and incomplete" revascularisation at five-year follow-up after percutaneous intervention of unprotected left main coronary artery disease with drug-eluting stents. <i>EuroIntervention</i> , <b>2016</b> , 12, e957-e963	3.1	3

322	First generation versus second generation drug-eluting stents for the treatment of bifurcations: 5-year follow-up of the LEADERS all-comers randomized trial. <i>Catheterization and Cardiovascular Interventions</i> , <b>2016</b> , 87, E248-60	2.7	33
321	One Good Friend Is Better Than Many. <i>JACC: Cardiovascular Imaging</i> , <b>2016</b> , 9, 902-903	8.4	
320	Sustained safety and performance of the second-generation drug-eluting absorbable metal scaffold in patients with de novo coronary lesions: 12-month clinical results and angiographic findings of the BIOSOLVE-II first-in-man trial. <i>European Heart Journal</i> , <b>2016</b> , 37, 2701-9	9.5	122
319	Could Plaque Composition-Related Endothelial Dysfunction Predict Poor Prognosis in Coronary Vasospastic Angina?. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 67, 1867	15.1	
318	Intravascular ultrasound-guided drug-eluting stent implantation: An updated meta-analysis of randomized control trials and observational studies. <i>International Journal of Cardiology</i> , <b>2016</b> , 216, 133-9 <sup>3.2</sup>		55
317	STABLE Versus Non-STABLE Studies: Effects of Rosuvastatin on Modifying Coronary Plaques. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 1251-1252	15.1	
316	Comparison of heparin, bivalirudin, and different glycoprotein IIb/IIIa inhibitor regimens for anticoagulation during percutaneous coronary intervention: A network meta-analysis. <i>Cardiovascular Revascularization Medicine</i> , <b>2016</b> , 17, 535-545	1.6	9
315	Primum Non Nocere: Old Principle Revisited. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 1602-3	15.1	
314	Plasma cystatin C and neutrophil gelatinase-associated lipocalin in relation to coronary atherosclerosis on intravascular ultrasound and cardiovascular outcome: Impact of kidney function (ATHEROREMO-IVUS study). <i>Atherosclerosis</i> , <b>2016</b> , 254, 20-27	3.1	8
313	Frequency and predictors of thrombus inside the guiding catheter during interventional procedures: an optical coherence tomography study. <i>International Journal of Cardiovascular Imaging</i> , <b>2015</b> , 31, 239-46	2.5	3
312	Long-term safety and feasibility of three-vessel multimodality intravascular imaging in patients with ST-elevation myocardial infarction: the IBIS-4 (integrated biomarker and imaging study) substudy. <i>International Journal of Cardiovascular Imaging</i> , <b>2015</b> , 31, 915-26	2.5	20
311	Association of wall shear stress with long-term vascular healing response following bioresorbable vascular scaffold implantation. <i>International Journal of Cardiology</i> , <b>2015</b> , 191, 279-83	3.2	9
310	Does smoking habit affect the randomized comparison of 6 versus 24-month dual antiplatelet therapy duration? Insights from the PRODIGY trial. <i>International Journal of Cardiology</i> , <b>2015</b> , 190, 242-5	3.2	4
309	From Plaque Morphology to Ischemia: Pushing the Limits of Spatial Resolution. <i>JACC: Cardiovascular Imaging</i> , <b>2015</b> , 8, 867-8	8.4	
308	Anatomic characteristics and clinical implications of angiographic coronary thrombus: insights from a patient-level pooled analysis of SYNTAX, RESOLUTE, and LEADERS Trials. <i>Circulation: Cardiovascular Interventions</i> , <b>2015</b> , 8,	6	6
307	Fate of side-branch jailing and a malapposed platinum marker after resorption of an everolimus-eluting bioresorbable vascular scaffold: serial optical coherence tomography observations. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, e53-e54	5	2
306	Echogenicity as a surrogate for bioresorbable everolimus-eluting scaffold degradation: analysis at 1-, 3-, 6-, 12-, 18-, 24-, 30-, 36- and 42-month follow-up in a porcine model. <i>International Journal of Cardiovascular Imaging</i> , <b>2015</b> , 31, 471-82	2.5	23
305	Risk stratification in 3-vessel coronary artery disease: Applying the SYNTAX Score II in the Heart Team Discussion of the SYNTAX II trial. <i>Catheterization and Cardiovascular Interventions</i> , <b>2015</b> , 86, E229-38 <sup>2.7</sup>		16

304	Smoking is associated with adverse clinical outcomes in patients undergoing revascularization with PCI or CABG: the SYNTAX trial at 5-year follow-up. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 1107-15	15.1	80
303	Validity of SYNTAX score II for risk stratification of percutaneous coronary interventions: A patient-level pooled analysis of 5,433 patients enrolled in contemporary coronary stent trials. <i>International Journal of Cardiology</i> , <b>2015</b> , 187, 111-5	3.2	22
302	Short- and Long-term Evaluation of Bioresorbable Scaffolds by Optical Coherence Tomography. <i>Interventional Cardiology Clinics</i> , <b>2015</b> , 4, 333-349	1.4	
301	Incidence and Potential Mechanism(s) of Post-Procedural Rise of Cardiac Biomarker in Patients With Coronary Artery Narrowing After Implantation of an Everolimus-Eluting Bioresorbable Vascular Scaffold or Everolimus-Eluting Metallic Stent. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 1053-1063	5	27
300	Prospective Assessment of the Diagnostic Accuracy of Instantaneous Wave-Free Ratio to Assess Coronary Stenosis Relevance: Results of ADVISE II International, Multicenter Study (ADenosine Vasodilator Independent Stenosis Evaluation II). <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 824-833	5	132
299	Fate of Bioresorbable Vascular Scaffold Metallic Radio-Opaque Markers at the Site of Implantation After Bioresorption. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 1130-1132	5	5
298	Local Hemodynamics: An Innocent Bystander or a Critical Factor Regulating Neoatherosclerotic Evolution?. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, e149-e150	5	2
297	Reproducibility of intravascular ultrasound radiofrequency data analysis (virtual histology) with a 45-MHz rotational imaging catheter in ex vivo human coronary arteries. <i>Journal of Cardiology</i> , <b>2015</b> , 65, 134-42	3	7
296	Effect of high-intensity statin therapy on atherosclerosis in non-infarct-related coronary arteries (IBIS-4): a serial intravascular ultrasonography study. <i>European Heart Journal</i> , <b>2015</b> , 36, 490-500	9.5	115
295	A bioresorbable everolimus-eluting scaffold versus a metallic everolimus-eluting stent for ischaemic heart disease caused by de-novo native coronary artery lesions (ABSORB II): an interim 1-year analysis of clinical and procedural secondary outcomes from a randomised controlled trial. <i>Lancet</i> , <b>2015</b> , 385, 43-54	40	437
294	Impact of statin therapy on coronary plaque composition: a systematic review and meta-analysis of virtual histology intravascular ultrasound studies. <i>BMC Medicine</i> , <b>2015</b> , 13, 229	11.4	126
293	Letter by de Araújo Gonçalves et al Regarding Article, "Invasive Evaluation of Patients With Angina in the Absence of Obstructive Coronary Artery Disease". <i>Circulation</i> , <b>2015</b> , 132, e241	16.7	
292	Von Willebrand factor in relation to coronary plaque characteristics and cardiovascular outcome. Results of the ATHEROREMO-IVUS study. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 113, 577-84	7	30
291	Relation Between Bioresorbable Scaffold Sizing Using QCA-Dmax and Clinical Outcomes at 1 Year in 1,232 Patients From 3 Study Cohorts (ABSORB Cohort B, ABSORB EXTEND, and ABSORB II). <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 1715-26	5	46
290	In vitro validation and comparison of different software packages or algorithms for coronary bifurcation analysis using calibrated phantoms: implications for clinical practice and research of bifurcation stenting. <i>Catheterization and Cardiovascular Interventions</i> , <b>2015</b> , 85, 554-63	2.7	22
289	Impact of body mass index on long-term clinical outcomes after second-generation drug eluting stent implantation: Insights from the international global RESOLUTE program. <i>Catheterization and Cardiovascular Interventions</i> , <b>2015</b> , 85, 952-8	2.7	8
288	Comparison between two- and three-dimensional quantitative coronary angiography bifurcation analyses for the assessment of bifurcation lesions: A subanalysis of the TRYTON pivotal IDE coronary bifurcation trial. <i>Catheterization and Cardiovascular Interventions</i> , <b>2015</b> , 86, E140-9	2.7	8
287	Smoking in Relation to Coronary Atherosclerotic Plaque Burden, Volume and Composition on Intravascular Ultrasound. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141093	3.7	12

286	Diagnostic Accuracy of Baseline Distal-to-Aortic Pressure Ratio to Assess Coronary Stenosis Severity: A Post-Hoc Analysis of the ADVISE II Study. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 834-836 <sup>5</sup>		17
285	Ex vivo validation of 45 MHz intravascular ultrasound backscatter tissue characterization. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2015</b> , 16, 1112-9	4.1	17
284	Functional Evaluation of Coronary Disease by CT Angiography. <i>JACC: Cardiovascular Imaging</i> , <b>2015</b> , 8, 1322-35	8.4	21
283	Plasma concentrations of molecular lipid species in relation to coronary plaque characteristics and cardiovascular outcome: Results of the ATHEROREMO-IVUS study. <i>Atherosclerosis</i> , <b>2015</b> , 243, 560-6	3.1	86
282	Darapladib for the treatment of cardiovascular disease. <i>Expert Review of Cardiovascular Therapy</i> , <b>2015</b> , 13, 33-48	2.5	2
281	A randomized trial of a dedicated bifurcation stent versus provisional stenting in the treatment of coronary bifurcation lesions. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 533-43	15.1	89
280	Long-term prognostic effect of coronary atherosclerotic burden: validation of the computed tomography-Leaman score. <i>Circulation: Cardiovascular Imaging</i> , <b>2015</b> , 8, e002332	3.9	89
279	Inter-core lab variability in analyzing quantitative coronary angiography for bifurcation lesions: a post-hoc analysis of a randomized trial. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 305-314	5	23
278	Optical coherence tomography versus intravascular ultrasound in the evaluation of observer variability and reliability in the assessment of stent deployment: the OCTIVUS study. <i>Catheterization and Cardiovascular Interventions</i> , <b>2015</b> , 86, 229-35	2.7	11
277	Circumferential distribution of the neointima at six-month and two-year follow-up after a bioresorbable vascular scaffold implantation: a substudy of the ABSORB Cohort B Clinical Trial. <i>EuroIntervention</i> , <b>2015</b> , 10, 1299-306	3.1	19
276	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. <i>EuroIntervention</i> , <b>2015</b> , 11, 746-56	3.1	30
275	Optical coherence tomography appraisal of residual thrombus burden in patients with ST-segment elevation myocardial infarction undergoing intraprocedural versus post-stenting prolonged bivalirudin infusion. Rationale and design of the MATRIX (Minimizing Adverse Haemorrhagic Events by Prolonged Administration of Xa-CAT) study. <i>European Heart Journal</i> , <b>2015</b> , 36, 1814-7	3.1	6
274	Incidence and potential mechanism of resolved, persistent and newly acquired malapposition three days after implantation of self-expanding or balloon-expandable stents in a STEMI population: insights from optical coherence tomography in the APPOSITION II study. <i>EuroIntervention</i> , <b>2015</b> , 11, 885-94	3.1	11
273	Implications of a bioresorbable vascular scaffold implantation on vessel wall strain of the treated and the adjacent segments. <i>International Journal of Cardiovascular Imaging</i> , <b>2014</b> , 30, 477-84	2.5	2
272	Effect of the endothelial shear stress patterns on neointimal proliferation following drug-eluting bioresorbable vascular scaffold implantation: an optical coherence tomography study. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 315-24	5	92
271	In vivo detection of high-risk coronary plaques by radiofrequency intravascular ultrasound and cardiovascular outcome: results of the ATHEROREMO-IVUS study. <i>European Heart Journal</i> , <b>2014</b> , 35, 639-47	9.5	234
270	Assessing bioresorbable coronary devices: methods and parameters. <i>JACC: Cardiovascular Imaging</i> , <b>2014</b> , 7, 1130-48	8.4	50
269	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). <i>American Journal of Cardiology</i> , <b>2014</b> , 114, 1487-503	3	38



268	Antibodies to periodontal pathogens are associated with coronary plaque remodeling but not with vulnerability or burden. <i>Atherosclerosis</i> , <b>2014</b> , 237, 84-91	3.1	27
267	Circulating cytokines in relation to the extent and composition of coronary atherosclerosis: results from the ATHEROREMO-IVUS study. <i>Atherosclerosis</i> , <b>2014</b> , 236, 18-24	3.1	30
266	Prognostic value of site SYNTAX score and rationale for combining anatomic and clinical factors in decision making: insights from the SYNTAX trial. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 423-32	15.1	35
265	Differential impact of five coronary devices on plaque size: insights from the ABSORB and SPIRIT trials. <i>International Journal of Cardiology</i> , <b>2014</b> , 175, 441-5	3.2	10
264	Imaging plaques to predict and better manage patients with acute coronary events. <i>Circulation Research</i> , <b>2014</b> , 114, 1904-17	15.7	40
263	The impact of Fourier-Domain optical coherence tomography catheter induced motion artefacts on quantitative measurements of a PLLA-based bioresorbable scaffold. <i>International Journal of Cardiovascular Imaging</i> , <b>2014</b> , 30, 1013-26	2.5	13
262	Predicting 3-year mortality after percutaneous coronary intervention: updated logistic clinical SYNTAX score based on patient-level data from 7 contemporary stent trials. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 464-70	5	37
261	Serial 2-dimensional and 3-dimensional optical coherence tomography assessment of overhanging struts of drug-eluting absorbable metal scaffold: "DREAMS" for jailed side branch?. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 575-6	5	3
260	1-year clinical outcomes of diabetic patients treated with everolimus-eluting bioresorbable vascular scaffolds: a pooled analysis of the ABSORB and the SPIRIT trials. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 482-93	5	41
259	Temporal evolution of strut light intensity after implantation of bioresorbable polymeric intracoronary scaffolds in the ABSORB cohort B trial-an application of a new quantitative method based on optical coherence tomography. <i>Circulation Journal</i> , <b>2014</b> , 78, 1873-81	2.9	11
258	Predictive Performance of SYNTAX Score II in Patients With Left Main and Multivessel Coronary Artery Disease-analysis of CREDO-Kyoto registry. <i>Circulation Journal</i> , <b>2014</b> , 78, 1942-9	2.9	50
257	Circulating chemokines in relation to coronary plaque characteristics on radiofrequency intravascular ultrasound and cardiovascular outcome. <i>Biomarkers</i> , <b>2014</b> , 19, 611-9	2.6	5
256	Incomplete stent apposition causes high shear flow disturbances and delay in neointimal coverage as a function of strut to wall detachment distance: implications for the management of incomplete stent apposition. <i>Circulation: Cardiovascular Interventions</i> , <b>2014</b> , 7, 180-9	6	151
255	Prognostic implications of coronary calcification in patients with obstructive coronary artery disease treated by percutaneous coronary intervention: a patient-level pooled analysis of 7 contemporary stent trials. <i>Heart</i> , <b>2014</b> , 100, 1158-64	5.1	144
254	Determinants of high cardiovascular risk in relation to plaque-composition of a non-culprit coronary segment visualized by near-infrared spectroscopy in patients undergoing percutaneous coronary intervention. <i>European Heart Journal</i> , <b>2014</b> , 35, 282-9	9.5	16
253	Serial optical frequency domain imaging in STEMI patients: the follow-up report of TROFI study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 987-95	4.1	28
252	Automatic detection of bioresorbable vascular scaffold struts in intravascular optical coherence tomography pullback runs. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 3589-602	3.5	31
251	Incidence and imaging outcomes of acute scaffold disruption and late structural discontinuity after implantation of the absorb Everolimus-Eluting fully bioresorbable vascular scaffold: optical coherence tomography assessment in the ABSORB cohort B Trial (A Clinical Evaluation of the Bioabsorbable Everolimus Eluting Coronary Stent System in the Treatment of Patients With De Novo Native Coronary Artery Lesions). <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 1400-11	5	97

250	Scaffold and edge vascular response following implantation of everolimus-eluting bioresorbable vascular scaffold: a 3-year serial optical coherence tomography study. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 1361-9	5	19
249	Circulating acute phase proteins in relation to extent and composition of coronary atherosclerosis and cardiovascular outcome: results from the ATHEROREMO-IVUS study. <i>International Journal of Cardiology</i> , <b>2014</b> , 177, 847-53	3.2	13
248	A CT-based Medina classification in coronary bifurcations: does the lumen assessment provide sufficient information?. <i>Catheterization and Cardiovascular Interventions</i> , <b>2014</b> , 84, 445-52	2.7	10
247	Near-infrared spectroscopy predicts cardiovascular outcome in patients with coronary artery disease. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 2510-8	15.1	125
246	Reproducibility of intravascular ultrasound iMAP for radiofrequency data analysis: implications for design of longitudinal studies. <i>Catheterization and Cardiovascular Interventions</i> , <b>2014</b> , 83, E233-42	2.7	10
245	Coronary evaginations are associated with positive vessel remodelling and are nearly absent following implantation of newer-generation drug-eluting stents: an optical coherence tomography and intravascular ultrasound study. <i>European Heart Journal</i> , <b>2014</b> , 35, 795-807	9.5	51
244	Circulating osteoglycin and NGAL/MMP9 complex concentrations predict 1-year major adverse cardiovascular events after coronary angiography. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1078-84	9.4	38
243	Side branch healing patterns of the Tryton dedicated bifurcation stent: a 1-year optical coherence tomography follow-up study. <i>International Journal of Cardiovascular Imaging</i> , <b>2014</b> , 30, 1445-56	2.5	7
242	Computed tomography angiography for the interventional cardiologist. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 842-54	4.1	11
241	Impact of everolimus versus other rapamycin derivative-eluting stents on clinical outcomes in patients with coronary artery disease: a meta-analysis of 16 randomized trials. <i>Journal of Cardiology</i> , <b>2014</b> , 64, 185-93	3	10
240	Short- and long-term implications of a bioresorbable vascular scaffold implantation on the local endothelial shear stress patterns. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 100-1	5	10
239	Differential healing response attributed to culprit lesions of patients with acute coronary syndromes and stable coronary artery after implantation of drug-eluting stents: an optical coherence tomography study. <i>International Journal of Cardiology</i> , <b>2014</b> , 173, 259-67	3.2	38
238	Lessons learned from acute and late scaffold failures in the ABSORB EXTEND trial. <i>EuroIntervention</i> , <b>2014</b> , 10, 449-57	3.1	36
237	Comparison of acute gain and late lumen loss after PCI with bioresorbable vascular scaffolds versus everolimus-eluting stents: an exploratory observational study prior to a randomised trial. <i>EuroIntervention</i> , <b>2014</b> , 10, 672-80	3.1	29
236	Construction and validation of a plaque discrimination score from the anatomical and histological differences in coronary atherosclerosis: the Liverpool IVUS-V-HEART (Intra Vascular UltraSound-Virtual-Histology Evaluation of Atherosclerosis Requiring Treatment) study. <i>EuroIntervention</i> , <b>2014</b> , 10, 815-23	3.1	15
235	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. <i>EuroIntervention</i> , <b>2014</b> , 9, 1271-84	3.1	184
234	Natural history of optical coherence tomography-detected non-flow-limiting edge dissections following drug-eluting stent implantation. <i>EuroIntervention</i> , <b>2014</b> , 9, 1085-94	3.1	53
233	Relation of genetic profile and novel circulating biomarkers with coronary plaque phenotype as determined by intravascular ultrasound: rationale and design of the ATHEROREMO-IVUS study. <i>EuroIntervention</i> , <b>2014</b> , 10, 953-60	3.1	18

232	Fast virtual functional assessment of intermediate coronary lesions using routine angiographic data and blood flow simulation in humans: comparison with pressure wire - fractional flow reserve. <i>EuroIntervention</i> , <b>2014</b> , 10, 574-83	3.1	102
231	Assessment of Plaque Composition by Intravascular Ultrasound. <i>Contemporary Cardiology</i> , <b>2014</b> , 89-103	0.1	
230	Impact of biodegradable versus durable polymer drug-eluting stents on clinical outcomes in patients with coronary artery disease: a meta-analysis of 15 randomized trials. <i>Chinese Medical Journal</i> , <b>2014</b> , 127, 2159-66	2.9	3
229	Assessment of plaque evolution in coronary bifurcations located beyond everolimus eluting scaffolds: serial intravascular ultrasound virtual histology study. <i>Cardiovascular Ultrasound</i> , <b>2013</b> , 11, 25	2.4	6
228	Reproducibility of computed tomography angiography data analysis using semiautomated plaque quantification software: implications for the design of longitudinal studies. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29, 1095-104	2.5	46
227	Diabetes as an independent predictor of high atherosclerotic burden assessed by coronary computed tomography angiography: the coronary artery disease equivalent revisited. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29, 1105-14	2.5	23
226	Prevalence and predictors of coronary artery disease in patients with a calcium score of zero. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29, 1839-46	2.5	13
225	Progress in treatment by percutaneous coronary intervention: the stent of the future. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2013</b> , 66, 483-96	0.7	13
224	Prediction of 1-year mortality in patients with acute coronary syndromes undergoing percutaneous coronary intervention: validation of the logistic clinical SYNTAX (Synergy Between Percutaneous Coronary Interventions With Taxus and Cardiac Surgery) score. <i>JACC: Cardiovascular Interventions</i> , <b>2013</b> , 6, 737-45	5	42
223	Residual atherothrombotic material after stenting in acute myocardial infarction--an optical coherence tomographic evaluation. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 656-63	3.2	27
222	Clinical and angiographic characteristics of patients likely to have vulnerable plaques: analysis from the PROSPECT study. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 1263-72	8.4	58
221	Edge vascular response after percutaneous coronary intervention: an intracoronary ultrasound and optical coherence tomography appraisal: from radioactive platforms to first- and second-generation drug-eluting stents and bioresorbable scaffolds. <i>JACC: Cardiovascular</i>	5	25
220	Incidence and short-term clinical outcomes of small side branch occlusion after implantation of an everolimus-eluting bioresorbable vascular scaffold: an interim report of 435 patients in the ABSORB-EXTEND single-arm trial in comparison with an everolimus-eluting metallic stent in the SPIRIT first and II trials. <i>JACC: Cardiovascular Interventions</i> , <b>2013</b> , 6, 247-57	5	84
219	Reproducibility of qualitative assessment of stent struts coverage by optical coherence tomography. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29, 5-11	2.5	12
218	Automatic stent strut detection in intravascular optical coherence tomographic pullback runs. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29, 29-38	2.5	44
217	Five-year clinical and functional multislice computed tomography angiographic results after coronary implantation of the fully resorbable polymeric everolimus-eluting scaffold in patients with de novo coronary artery disease: the ABSORB cohort A trial. <i>JACC: Cardiovascular Interventions</i> , <b>2013</b> , 6, 999-1009	5	164
216	Hybrid intravascular imaging: current applications and prospective potential in the study of coronary atherosclerosis. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 61, 1369-78	15.1	62
215	Intracoronary optical coherence tomography and histology of overlapping everolimus-eluting bioresorbable vascular scaffolds in a porcine coronary artery model: the potential implications for clinical practice. <i>JACC: Cardiovascular Interventions</i> , <b>2013</b> , 6, 523-32	5	74

214	Multislice computed tomography angiography for noninvasive assessment of the 18-month performance of a novel radiolucent bioresorbable vascular scaffolding device: the ABSORB trial (a clinical evaluation of the bioabsorbable everolimus eluting coronary stent system in the treatment of patients with de novo native coronary artery lesions). <i>Journal of the American College of</i>	15.1	20
213	Radial approach for patients with ST-segment elevation acute coronary syndrome: it is definitely the best access site. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 3140-2	3.2	
212	In vivo three dimensional optical coherence tomography. A novel imaging modality to visualize the edge vascular response. <i>International Journal of Cardiology</i> , <b>2013</b> , 164, e35-7	3.2	5
211	Avances en el tratamiento mediante intervenci3n coronaria percut3nea: el stent del futuro. <i>Revista Espanola De Cardiologia</i> , <b>2013</b> , 66, 483-496	1.5	47
210	Early detection and invasive passivation of future culprit lesions: a future potential or an unrealistic pursuit of chimeras?. <i>American Heart Journal</i> , <b>2013</b> , 165, 869-881.e4	4.9	18
209	Prognostic value of coronary CT angiography. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 127-8	8.4	1
208	The negative impact of incomplete angiographic revascularization on clinical outcomes and its association with total occlusions: the SYNTAX (Synergy Between Percutaneous Coronary Intervention with Taxus and Cardiac Surgery) trial. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 61, 282-94	15.1	199
207	Anatomical and clinical characteristics to guide decision making between coronary artery bypass surgery and percutaneous coronary intervention for individual patients: development and validation of SYNTAX score II. <i>Lancet, The</i> , <b>2013</b> , 381, 639-50	4.0	507
206	Bioresorbable scaffolds: current knowledge, potentialities and limitations experienced during their first clinical applications. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 11-21	3.2	45
205	Clinical outcomes after zotarolimus and everolimus drug eluting stent implantation in coronary artery bifurcation lesions: insights from the RESOLUTE All Comers Trial. <i>Heart</i> , <b>2013</b> , 99, 1267-74	5.1	30
204	Coronary computed tomography angiography-adapted Leaman score as a tool to noninvasively quantify total coronary atherosclerotic burden. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29, 1575-84	2.5	40
203	Three-dimensional optical frequency domain imaging in conventional percutaneous coronary intervention: the potential for clinical application. <i>European Heart Journal</i> , <b>2013</b> , 34, 875-85	9.5	43
202	Randomized study to assess the effect of thrombus aspiration on flow area in patients with ST-elevation myocardial infarction: an optical frequency domain imaging study--TROFI trial. <i>European Heart Journal</i> , <b>2013</b> , 34, 1050-60	9.5	89
201	Bioresorbable vascular scaffolds in the clinical setting. <i>Interventional Cardiology</i> , <b>2013</b> , 5, 639-646	3	5
200	Bioresorbable drug-eluting magnesium-alloy scaffold for treatment of coronary artery disease. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 24492-500	6.3	86
199	Stabilization of atherosclerotic plaques: an update. <i>European Heart Journal</i> , <b>2013</b> , 34, 3251-8	9.5	77
198	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. <i>Heart</i> , <b>2013</b> , 99, 98-105	5.1	60
197	Impact of overlapping newer generation drug-eluting stents on clinical and angiographic outcomes: pooled analysis of five trials from the international Global RESOLUTE Program. <i>Heart</i> , <b>2013</b> , 99, 626-33	5.1	26

196	Intimal flaps detected by optical frequency domain imaging in the proximal segments of native coronary arteries: an innocent bystander? Insights from the TROFI Trial. <i>Circulation Journal</i> , <b>2013</b> , 77, 2327-33	2.9	9
195	Bioresorbable scaffolds in the treatment of coronary artery disease. <i>Medical Devices: Evidence and Research</i> , <b>2013</b> , 6, 37-48	1.5	11
194	Effect of folic acid supplementation on levels of circulating Monocyte Chemoattractant Protein-1 and the presence of intravascular ultrasound derived virtual histology thin-cap fibroatheromas in patients with stable angina pectoris. <i>PLoS ONE</i> , <b>2013</b> , 8, e70101	3.7	3
193	Five-year follow-up of the ABSORB bioresorbable everolimus-eluting vascular scaffold system: multimodality imaging assessment. <i>EuroIntervention</i> , <b>2013</b> , 8, 1126-7	3.1	25
192	Clinical and angiographic outcomes following first-in-man implantation of a novel thin-strut low-profile fixed-wire stent: the Svelte Coronary Stent Integrated Delivery System first-in-man trial. <i>EuroIntervention</i> , <b>2013</b> , 9, 125-34	3.1	8
191	The edge vascular response following implantation of the Absorb everolimus-eluting bioresorbable vascular scaffold and the XIENCE V metallic everolimus-eluting stent. First serial follow-up assessment at six months and two years: insights from the first-in-man ABSORB Cohort B and CONTOUR studies. <i>EuroIntervention</i> , <b>2013</b> , 9, 706-13	3.1	14
190	Revisiting: "Comparison of intravascular ultrasound versus angiography-guided drug-eluting stent implantation: a meta-analysis of one randomised trial and ten observational studies involving 19,619 patients". <i>EuroIntervention</i> , <b>2013</b> , 9, 891-2	3.1	6
189	Single-vessel or multivessel PCI in patients with multivessel disease presenting with non-ST-elevation acute coronary syndromes. <i>EuroIntervention</i> , <b>2013</b> , 9, 916-22	3.1	12
188	Quantification of scientific output in cardiovascular medicine: a perspective based on global data. <i>EuroIntervention</i> , <b>2013</b> , 9, 975-8	3.1	4
187	In vivo assessment of the relationship between shear stress and necrotic core in early and advanced coronary artery disease. <i>EuroIntervention</i> , <b>2013</b> , 9, 989-95; discussion 995	3.1	30
186	The coronary artery bypass graft SYNTAX Score: final five-year outcomes from the SYNTAX-LE MANS left main angiographic substudy. <i>EuroIntervention</i> , <b>2013</b> , 9, 1009-10	3.1	11
185	Comparison of in vivo eccentricity and symmetry indices between metallic stents and bioresorbable vascular scaffolds: insights from the ABSORB and SPIRIT trials. <i>Catheterization and Cardiovascular Interventions</i> , <b>2012</b> , 79, 219-28	2.7	42
184	Comparison of plaque prolapse in consecutive patients treated with Xience V and Taxus Liberte stents. <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 23-31	2.5	8
183	Morphological and functional evaluation of the bioresorption of the bioresorbable everolimus-eluting vascular scaffold using IVUS, echogenicity and vasomotion testing at two year follow-up: a patient level insight into the ABSORB A clinical trial. <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 23-31	2.5	17
182	Reproducibility of ShinB method for necrotic core and calcium content in atherosclerotic coronary lesions treated with bioresorbable everolimus-eluting vascular scaffolds using volumetric intravascular ultrasound radiofrequency-based analysis. <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 43-9	2.5	3
181	Vascular compliance changes of the coronary vessel wall after bioresorbable vascular scaffold implantation in the treated and adjacent segments. <i>Circulation Journal</i> , <b>2012</b> , 76, 1616-23	2.9	46
180	Quantitative optical frequency domain imaging assessment of in-stent structures in patients with ST-segment elevation myocardial infarction: impact of imaging sampling rate. <i>Circulation Journal</i> , <b>2012</b> , 76, 2822-31	2.9	9
179	Analysis of 1 year virtual histology changes in coronary plaque located behind the struts of the everolimus eluting bioresorbable vascular scaffold. <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 1307-14	2.5	12

178	Effect of statins on coronary bifurcation atherosclerosis: an intravascular ultrasound virtual histology study. <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 1643-52	2.5	7
177	Circumferential evaluation of the neointima by optical coherence tomography after ABSORB bioresorbable vascular scaffold implantation: can the scaffold cap the plaque?. <i>Atherosclerosis</i> , <b>2012</b> , 221, 106-12	3.1	96
176	"In vivo" imaging of atherosclerosis. <i>Atherosclerosis</i> , <b>2012</b> , 224, 25-36	3.1	47
175	Darapladib effect on circulating high sensitive troponin in patients with acute coronary syndromes. <i>Atherosclerosis</i> , <b>2012</b> , 225, 142-7	3.1	5
174	First serial assessment at 6 months and 2 years of the second generation of absorb everolimus-eluting bioresorbable vascular scaffold: a multi-imaging modality study. <i>Circulation: Cardiovascular Interventions</i> , <b>2012</b> , 5, 620-32	6	163
173	Change in near-infrared spectroscopy of a coronary artery after 1-year treatment with high dose rosuvastatin. <i>International Journal of Cardiology</i> , <b>2012</b> , 157, e54-6	3.2	3
172	Correlation between kidney function and near-infrared spectroscopy derived lipid-core burden index score of a non-intervened coronary artery segment. <i>International Journal of Cardiology</i> , <b>2012</b> , 156, 226-8	3.2	4
171	Lipid core burden index and Framingham score: can a Systemic Risk Score predict lipid core burden in non-culprit coronary artery?. <i>International Journal of Cardiology</i> , <b>2012</b> , 156, 211-3	3.2	4
170	Everolimus-eluting ABSORB bioresorbable vascular scaffold: present and future perspectives. <i>Expert Review of Medical Devices</i> , <b>2012</b> , 9, 327-38	3.5	15
169	Combined anatomical and clinical factors for the long-term risk stratification of patients undergoing percutaneous coronary intervention: the Logistic Clinical SYNTAX score. <i>European Heart Journal</i> , <b>2012</b> , 33, 3098-104	9.5	113
168	ABSORB II randomized controlled trial: a clinical evaluation to compare the safety, efficacy, and performance of the Absorb everolimus-eluting bioresorbable vascular scaffold system against the XIENCE everolimus-eluting coronary stent system in the treatment of subjects with ischemic heart disease caused by de novo native coronary artery lesions: rationale and study design. <i>American Heart Journal</i> , <b>2012</b> , 164, 651-63	4.9	105
167	Consensus standards for acquisition, measurement, and reporting of intravascular optical coherence tomography studies: a report from the International Working Group for Intravascular Optical Coherence Tomography Standardization and Validation. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 59, 1058-70	15.1	1216
166	Endothelial function in coronary chronic total occlusions: need for rigorous methodology. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 60, 871-2; author reply 872-3	15.1	2
165	Endothelial and smooth muscle cells dysfunction distal to recanalized chronic total coronary occlusions and the relationship with the collateral connection grade. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 170-8	5	33
164	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: a virtual histology intravascular ultrasound study from the first-in-man ABSORB cohort B trial. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 656-65	5	29
163	A global risk approach to identify patients with left main or 3-vessel disease who could safely and efficaciously be treated with percutaneous coronary intervention: the SYNTAX Trial at 3 years. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 606-17	5	76
162	Serial 2- and 3-dimensional visualization of side branch jailing after metallic stent implantation: to kiss or not to kiss...?. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 1089-90	5	6
161	Long-term vascular healing in response to sirolimus- and paclitaxel-eluting stents: an optical coherence tomography study. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 946-57	5	48

160	Self-expanding versus balloon-expandable stents in acute myocardial infarction: results from the APPOSITION II study: self-expanding stents in ST-segment elevation myocardial infarction. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 1209-19	5	69
159	Relationship between palpography and virtual histology in patients with acute coronary syndromes. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, S19-27	8.4	17
158	Distance of lipid core-rich plaques from the ostium by NIRS in nonculprit coronary arteries. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, 297-9	8.4	7
157	Plaque compositional Syntax score: combining angiography and lipid burden in coronary artery disease. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, S119-21	8.4	8
156	Longitudinal distribution of plaque burden and necrotic core-rich plaques in nonculprit lesions of patients presenting with acute coronary syndromes. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, S10-8	8.4	55
155	Natural history of coronary atherosclerosis by multislice computed tomography. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, S28-37	8.4	98
154	Bioresorbable scaffolds: current evidence and ongoing clinical trials. <i>Current Cardiology Reports</i> , <b>2012</b> , 14, 626-34	4.2	27
153	Agreement and reproducibility of gray-scale intravascular ultrasound and optical coherence tomography for the analysis of the bioresorbable vascular scaffold. <i>Catheterization and Cardiovascular Interventions</i> , <b>2012</b> , 79, 890-902	2.7	26
152	Proximal and distal maximal luminal diameters as a guide to appropriate deployment of the ABSORB everolimus-eluting bioresorbable vascular scaffold: a sub-study of the ABSORB Cohort B and the on-going ABSORB EXTEND Single Arm Study. <i>Catheterization and Cardiovascular Interventions</i> , <b>2012</b> , 79, 880-8	2.7	32
151	Morphology of coronary artery lesions assessed by virtual histology intravascular ultrasound tissue characterization and fractional flow reserve. <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 221-8	2.5	16
150	Quantitative multi-modality imaging analysis of a fully bioresorbable stent: a head-to-head comparison between QCA, IVUS and OCT. <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 467-78	2.5	33
149	Evaluation of in-stent restenosis in the APPROACH trial (Assessment on the Prevention of Progression by Rosiglitazone On Atherosclerosis in diabetes patients with Cardiovascular History). <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 455-65	2.5	12
148	Evaluation with in vivo optical coherence tomography and histology of the vascular effects of the everolimus-eluting bioresorbable vascular scaffold at two years following implantation in a healthy porcine coronary artery model: implications of pilot results for future pre-clinical studies. <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 499-511	2.5	14
147	Relationship between cardiovascular risk factors and biomarkers with necrotic core and atheroma size: a serial intravascular ultrasound radiofrequency data analysis. <i>International Journal of Cardiovascular Imaging</i> , <b>2012</b> , 28, 695-703	2.5	20
146	From metallic cages to transient bioresorbable scaffolds: change in paradigm of coronary revascularization in the upcoming decade?. <i>European Heart Journal</i> , <b>2012</b> , 33, 16-25b	9.5	235
145	Letter by Bourantas et al regarding article, "nonculprit plaques in patients with acute coronary syndromes have more vulnerable features compared with those with non-acute coronary syndromes: a 3-vessel optical coherence tomography study". <i>Circulation: Cardiovascular Imaging</i> , <b>2012</b> , 5, e116-117	3.9	
144	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?. <i>European Heart Journal</i> , <b>2012</b> , 33, 1325-33	9.5	114
143	Letter by Garcia-Garcia et al regarding article, "Impact of frequency-domain optical coherence tomography guidance for optimal coronary stent implantation in comparison with intravascular ultrasound guidance". <i>Circulation: Cardiovascular Interventions</i> , <b>2012</b> , 5, e59; author reply e60	6	

142	Assessment of atherosclerotic plaques at coronary bifurcations with multidetector computed tomography angiography and intravascular ultrasound-virtual histology. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2012</b> , 13, 635-42	4.1	17
141	High-speed intracoronary optical frequency domain imaging: implications for three-dimensional reconstruction and quantitative analysis. <i>EuroIntervention</i> , <b>2012</b> , 7, 1216-26	3.1	27
140	How should I treat an iatrogenic aortic dissection as a complication of complex PCI?. <i>EuroIntervention</i> , <b>2012</b> , 7, 1111-7	3.1	17
139	Offline fusion of co-registered intravascular ultrasound and frequency domain optical coherence tomography images for the analysis of human atherosclerotic plaques. <i>EuroIntervention</i> , <b>2012</b> , 8, 98-108	3.1	21
138	Angiographic maximal luminal diameter and appropriate deployment of the everolimus-eluting bioresorbable vascular scaffold as assessed by optical coherence tomography: an ABSORB cohort B trial sub-study. <i>EuroIntervention</i> , <b>2012</b> , 8, 214-24	3.1	47
137	The ability of high dose rosuvastatin to improve plaque composition in non-intervened coronary arteries: rationale and design of the Integrated Biomarker and Imaging Study-3 (IBIS-3). <i>EuroIntervention</i> , <b>2012</b> , 8, 235-41	3.1	28
136	Head to head comparison of optical coherence tomography, intravascular ultrasound echogenicity and virtual histology for the detection of changes in polymeric struts over time: insights from the ABSORB trial. <i>EuroIntervention</i> , <b>2012</b> , 8, 352-8	3.1	4
135	Angiographic and histological results following implantation of a novel stent-on-a-wire in the animal model. <i>EuroIntervention</i> , <b>2012</b> , 8, 390-9	3.1	3
134	Comparison of intravascular ultrasound versus angiography-guided drug-eluting stent implantation: a meta-analysis of one randomised trial and ten observational studies involving 19,619 patients. <i>EuroIntervention</i> , <b>2012</b> , 8, 855-65	3.1	136
133	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 (SECRIITT). <i>EuroIntervention</i> , <b>2012</b> , 8, 945-54	3.1	37
132	Tissue characterization using virtual histology and iMAP: Current status and potential clinical applications <b>2012</b> , 227-240		
131	6-month clinical outcomes following implantation of the bioresorbable everolimus-eluting vascular scaffold in vessels smaller or larger than 2.5 mm. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 58, 258-64	15.1	39
130	Evaluation of the second generation of a bioresorbable everolimus-eluting vascular scaffold for the treatment of de novo coronary artery stenosis: 12-month clinical and imaging outcomes. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 58, 1578-88	15.1	304
129	Serial analysis of the malapposed and uncovered struts of the new generation of everolimus-eluting bioresorbable scaffold with optical coherence tomography. <i>JACC: Cardiovascular Interventions</i> , <b>2011</b> , 4, 992-1001	5	71
128	New insights into the coronary artery bifurcation hypothesis-generating concepts utilizing 3-dimensional optical frequency domain imaging. <i>JACC: Cardiovascular Interventions</i> , <b>2011</b> , 4, 921-31	5	44
127	Serial in vivo intravascular ultrasound-based echogenicity changes of everolimus-eluting bioresorbable vascular scaffold during the first 12 months after implantation insights from the ABSORB B trial. <i>JACC: Cardiovascular Interventions</i> , <b>2011</b> , 4, 1281-9	5	17
126	Head-to-head comparison of the neointimal response between metallic and bioresorbable everolimus-eluting scaffolds using optical coherence tomography. <i>JACC: Cardiovascular Interventions</i> , <b>2011</b> , 4, 1271-80	5	49
125	Witnessed coronary plaque rupture during cardiac catheterization. <i>JACC: Cardiovascular Imaging</i> , <b>2011</b> , 4, 437-8	8.4	10



124	NIRS and IVUS for characterization of atherosclerosis in patients undergoing coronary angiography. <i>JACC: Cardiovascular Imaging</i> , <b>2011</b> , 4, 647-55	8.4	65
123	Assessment of coronary atherosclerosis progression and regression at bifurcations using combined IVUS and OCT. <i>JACC: Cardiovascular Imaging</i> , <b>2011</b> , 4, 774-80	8.4	37
122	3D reconstructions of optical frequency domain imaging to improve understanding of conventional PCI. <i>JACC: Cardiovascular Imaging</i> , <b>2011</b> , 4, 1044-6	8.4	4
121	Long-term tissue coverage of a biodegradable polylactide polymer-coated biolimus-eluting stent: comparative sequential assessment with optical coherence tomography until complete resorption of the polymer. <i>American Heart Journal</i> , <b>2011</b> , 162, 922-31	4.9	40
120	Risk of target lesion failure in relationship to vessel angiographic geometry and stent conformability using the second generation of drug-eluting stents. <i>American Heart Journal</i> , <b>2011</b> , 162, 1069-1079.e2	4.9	13
119	Differential protein biomarker expression and their time-course in patients with a spectrum of stable and unstable coronary syndromes in the Integrated Biomarker and Imaging Study-1 (IBIS-1). <i>International Journal of Cardiology</i> , <b>2011</b> , 149, 10-6	3.2	19
118	Relation between plaque type and dissections at the edges after stent implantation: an optical coherence tomography study. <i>International Journal of Cardiology</i> , <b>2011</b> , 150, 151-5	3.2	63
117	Stabilisation of atherosclerotic plaques. Position paper of the European Society of Cardiology (ESC) Working Group on atherosclerosis and vascular biology. <i>Thrombosis and Haemostasis</i> , <b>2011</b> , 106, 1-19	7	110
116	A comparison between plaque-based and vessel-based measurement for plaque component using volumetric intravascular ultrasound radiofrequency data analysis. <i>International Journal of Cardiovascular Imaging</i> , <b>2011</b> , 27, 491-7	2.5	3
115	Temporal changes of coronary artery plaque located behind the struts of the everolimus eluting bioresorbable vascular scaffold. <i>International Journal of Cardiovascular Imaging</i> , <b>2011</b> , 27, 859-66	2.5	17
114	The assessment of ShinB method for the prediction of creatinine kinase-MB elevation after percutaneous coronary intervention: an intravascular ultrasound study. <i>International Journal of Cardiovascular Imaging</i> , <b>2011</b> , 27, 883-92	2.5	8
113	Assessment of the serial changes of vessel wall contents in atherosclerotic coronary lesion with bioresorbable everolimus-eluting vascular scaffolds using ShinB method: an IVUS study. <i>International Journal of Cardiovascular Imaging</i> , <b>2011</b> , 27, 931-7	2.5	4
112	Assessment of drug-eluting stents and bioresorbable stents by grayscale IVUS and IVUS-based imaging modalities. <i>International Journal of Cardiovascular Imaging</i> , <b>2011</b> , 27, 239-48	2.5	9
111	IVUS-based imaging modalities for tissue characterization: similarities and differences. <i>International Journal of Cardiovascular Imaging</i> , <b>2011</b> , 27, 215-24	2.5	128
110	Assessment of coronary atherosclerosis by IVUS and IVUS-based imaging modalities: progression and regression studies, tissue composition and beyond. <i>International Journal of Cardiovascular Imaging</i> , <b>2011</b> , 27, 225-37	2.5	29
109	Comparison of in vivo acute stent recoil between the bioresorbable everolimus-eluting coronary scaffolds (revision 1.0 and 1.1) and the metallic everolimus-eluting stent. <i>Catheterization and Cardiovascular Interventions</i> , <b>2011</b> , 78, 3-12	2.7	94
108	Prediction of 1-year clinical outcomes using the SYNTAX score in patients with acute ST-segment elevation myocardial infarction undergoing primary percutaneous coronary intervention: a substudy of the STRATEGY (Single High-Dose Bolus Tirofiban and Sirolimus-Eluting Stent Versus Abciximal and Bare-Metal Stent in Acute Myocardial Infarction) and MULTISTRATEGY (Multicenter Evaluation of Single High-Dose Bolus Tirofiban Versus Abciximab With Sirolimus-Eluting Stent or Bare-Metal Stent in Acute Myocardial Infarction). <i>JACC: Cardiovascular Intervention</i> , <b>2011</b> , 4, 66-75	5	111
107	A patient-level pooled analysis assessing the impact of the SYNTAX (synergy between percutaneous coronary intervention with taxus and cardiac surgery) score on 1-year clinical outcomes in 6,508 patients enrolled in contemporary coronary stent trials. <i>JACC: Cardiovascular Interventions</i> , <b>2011</b> , 4, 645-53	5	63

106	Angiographic geometric changes of the lumen arterial wall after bioresorbable vascular scaffolds and metallic platform stents at 1-year follow-up. <i>JACC: Cardiovascular Interventions</i> , <b>2011</b> , 4, 789-99	5	41
105	A comparative assessment by optical coherence tomography of the performance of the first and second generation of the everolimus-eluting bioresorbable vascular scaffolds. <i>European Heart Journal</i> , <b>2011</b> , 32, 294-304	9.5	54
104	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. <i>European Heart Journal</i> , <b>2011</b> , 32, 2454-63	9.5	107
103	SYNTAX score and Clinical SYNTAX score as predictors of very long-term clinical outcomes in patients undergoing percutaneous coronary interventions: a substudy of SIRolimus-eluting stent compared with pacliTAXel-eluting stent for coronary revascularization (SIRTAX) trial. <i>European Heart Journal</i> , <b>2011</b> , 32, 3115-27	9.5	109
102	In vivo findings of tissue characteristics using iMap <sup>®</sup> IVUS and Virtual Histology <sup>®</sup> IVUS. <i>EuroIntervention</i> , <b>2011</b> , 6, 1017-9	3.1	33
101	First-in-man evaluation of intravascular optical frequency domain imaging (OFDI) of Terumo: a comparison with intravascular ultrasound and quantitative coronary angiography. <i>EuroIntervention</i> , <b>2011</b> , 6, 1037-45	3.1	81
100	Five-year outcomes of percutaneous coronary intervention compared to bypass surgery in patients with multivessel disease involving the proximal left anterior descending artery: an ARTS-II sub-study. <i>EuroIntervention</i> , <b>2011</b> , 6, 1060-7	3.1	8
99	Comparison between the first and second generation bioresorbable vascular scaffolds: a six month virtual histology study. <i>EuroIntervention</i> , <b>2011</b> , 6, 1110-6	3.1	15
98	Clinical expert consensus document on standards for acquisition, measurement and reporting of intravascular ultrasound regression/progression studies. <i>EuroIntervention</i> , <b>2011</b> , 6, 1123-30, 9	3.1	114
97	Healing of a coronary artery dissection detected by intravascular ultrasound and optical coherence tomography. <i>EuroIntervention</i> , <b>2011</b> , 7, 288-9	3.1	2
96	Optical coherence tomography (OCT) of overlapping bioresorbable scaffolds: from benchwork to clinical application. <i>EuroIntervention</i> , <b>2011</b> , 7, 386-99	3.1	36
95	Assessment of the safety and performance of the STENTYS self-expanding coronary stent in acute myocardial infarction: results from the APPOSITION I study. <i>EuroIntervention</i> , <b>2011</b> , 7, 428-36	3.1	44
94	Crosser As First choice for crossing Totally occluded coronary arteries (CRAFT Registry): focus on conventional angiography and computed tomography angiography predictors of success. <i>EuroIntervention</i> , <b>2011</b> , 7, 480-6	3.1	8
93	Virtual bench testing of new generation coronary stents: why would we want to publish this paper?. <i>EuroIntervention</i> , <b>2011</b> , 7, 295-6	3.1	1
92	How should I treat impaired systolic function and clinical deterioration after surgery of type A aortic dissection?. <i>EuroIntervention</i> , <b>2011</b> , 7, 638-46	3.1	
91	Tools & techniques: risk stratification and diagnostic tools in left main stem intervention. <i>EuroIntervention</i> , <b>2011</b> , 7, 747-53	3.1	2
90	A new tool for the risk stratification of patients with complex coronary artery disease: the Clinical SYNTAX Score. <i>Circulation: Cardiovascular Interventions</i> , <b>2010</b> , 3, 317-26	6	199
89	Effect of rosiglitazone on progression of coronary atherosclerosis in patients with type 2 diabetes mellitus and coronary artery disease: the assessment on the prevention of progression by rosiglitazone on atherosclerosis in diabetes patients with cardiovascular history trial. <i>Circulation</i> , <b>2010</b> , 121, 1176-87	16.7	71

88	Intracoronary optical coherence tomography and histology at 1 month and 2, 3, and 4 years after implantation of everolimus-eluting bioresorbable vascular scaffolds in a porcine coronary artery model: an attempt to decipher the human optical coherence tomography images in the ABSORB Trial. <i>Circulation</i> , <b>2010</b> , 122, 2288-300	16.7	248
87	Evaluation of the second generation of a bioresorbable everolimus drug-eluting vascular scaffold for treatment of de novo coronary artery stenosis: six-month clinical and imaging outcomes. <i>Circulation</i> , <b>2010</b> , 122, 2301-12	16.7	268
86	Do systemic risk factors impact invasive findings from virtual histology? Insights from the international virtual histology registry. <i>European Heart Journal</i> , <b>2010</b> , 31, 196-202	9.5	30
85	Imaging of coronary atherosclerosis: intravascular ultrasound. <i>European Heart Journal</i> , <b>2010</b> , 31, 2456-69	9.5	153
84	Second-generation optical coherence tomography in clinical practice. High-speed data acquisition is highly reproducible in patients undergoing percutaneous coronary intervention. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2010</b> , 63, 893-903	0.7	23
83	Multi-modality intra-coronary plaque characterization: a pilot study. <i>International Journal of Cardiology</i> , <b>2010</b> , 138, 32-9	3.2	18
82	Crossing of a calcified "balloon uncrossable" coronary chronic total occlusion facilitated by a laser catheter: a case report and review recent four years experience at the Thoraxcenter. <i>International Journal of Cardiology</i> , <b>2010</b> , 145, 251-254	3.2	23
81	Analysis of the long-term effects of drug-eluting stents on coronary arterial wall morphology as assessed by virtual histology intravascular ultrasound. <i>American Heart Journal</i> , <b>2010</b> , 159, 271-7	4.9	21
80	Tomografía de coherencia óptica de segunda generación en la práctica clínica. La adquisición de datos de alta velocidad muestra una reproducibilidad excelente en pacientes tratados con intervenciones coronarias percutáneas. <i>Revista Espanola De Cardiologia</i> , <b>2010</b> , 63, 893-903	1.5	43
79	A new method to measure necrotic core and calcium content in coronary plaques using intravascular ultrasound radiofrequency-based analysis. <i>International Journal of Cardiovascular Imaging</i> , <b>2010</b> , 26, 387-96	2.5	16
78	Combined optical coherence tomography and intravascular ultrasound radio frequency data analysis for plaque characterization. Classification accuracy of human coronary plaques in vitro. <i>International Journal of Cardiovascular Imaging</i> , <b>2010</b> , 26, 843-50	2.5	20
77	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). <i>American Journal of Cardiology</i> , <b>2010</b> , 105, 475-9	3	44
76	The SYNTAX score revisited: a reassessment of the SYNTAX score reproducibility. <i>Catheterization and Cardiovascular Interventions</i> , <b>2010</b> , 75, 946-52	2.7	49
75	Long-term clinical results following stenting of the left main stem: insights from RESEARCH (Rapamycin-Eluting Stent Evaluated at Rotterdam Cardiology Hospital) and T-SEARCH (Taxus-Stent Evaluated at Rotterdam Cardiology Hospital) Registries. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 584-94	5	42
74	3-Dimensional optical coherence tomography assessment of jailed side branches by bioresorbable vascular scaffolds: a proposal for classification. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 836-44	5	81
73	A comparison of the conformability of everolimus-eluting bioresorbable vascular scaffolds to metal platform coronary stents. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 1190-8	5	83
72	A clinical protocol for analysis of the structural integrity of the Medtronic CoreValve System frame and its application in patients with 1-year minimum follow-up. <i>EuroIntervention</i> , <b>2010</b> , 5, 680-6	3.1	12
71	Tissue characterisation of atherosclerotic plaque in coronary artery bifurcations: an intravascular ultrasound radiofrequency data analysis in humans. <i>EuroIntervention</i> , <b>2010</b> , 6, 313-20	3.1	18

70	A comparison of the distribution of necrotic core in bifurcation and non-bifurcation coronary lesions: an in vivo assessment using intravascular ultrasound radiofrequency data analysis. <i>EuroIntervention</i> , <b>2010</b> , 6, 321-7	3.1	19
69	Comparison of acute vessel wall injury after self-expanding stent and conventional balloon-expandable stent implantation: a study with optical coherence tomography. <i>Journal of Invasive Cardiology</i> , <b>2010</b> , 22, 435-9	0.7	13
68	First case of stenting of a vulnerable plaque in the SECRITT I trial-the dawn of a new era?. <i>Nature Reviews Cardiology</i> , <b>2009</b> , 6, 374-8	14.8	34
67	MAHORоба, first-in-man study: 6-month results of a biodegradable polymer sustained release tacrolimus-eluting stent in de novo coronary stenoses. <i>European Heart Journal</i> , <b>2009</b> , 30, 1477-85	9.5	19
66	Three-year survival following multivessel percutaneous coronary intervention with bare-metal or drug-eluting stents in unselected patients. <i>American Journal of Cardiology</i> , <b>2009</b> , 103, 203-11	3	10
65	Intravascular ultrasound and 3D angle measurements of coronary bifurcations. <i>Catheterization and Cardiovascular Interventions</i> , <b>2009</b> , 73, 910-6	2.7	13
64	Five-year clinical outcomes after coronary stenting of chronic total occlusion using sirolimus-eluting stents: insights from the rapamycin-eluting stent evaluated at Rotterdam Cardiology Hospital-(Research) Registry. <i>Catheterization and Cardiovascular Interventions</i> , <b>2009</b> , 74, 979-86	2.7	24
63	The risk of stent thrombosis in patients with acute coronary syndromes treated with bare-metal and drug-eluting stents. <i>JACC: Cardiovascular Interventions</i> , <b>2009</b> , 2, 534-41	5	115
62	Incomplete stent apposition and delayed tissue coverage are more frequent in drug-eluting stents implanted during primary percutaneous coronary intervention for ST-segment elevation myocardial infarction than in drug-eluting stents implanted for stable/unstable angina: insights from optical coherence tomography. <i>JACC: Cardiovascular Interventions</i> , <b>2009</b> , 2, 445-52	5	147
61	Impact of sex on 3-year outcome after percutaneous coronary intervention using bare-metal and drug-eluting stents in previously untreated coronary artery disease: insights from the RESEARCH (Rapamycin-Eluting Stent Evaluated at Rotterdam Cardiology Hospital) and T-SEARCH (Taxus-Stent Evaluated at Rotterdam Cardiology Hospital) Registries. <i>JACC: Cardiovascular Interventions</i> , <b>2009</b> , 2, 603-10	5	50
60	Impact of drug-eluting stent selection on long-term clinical outcomes in patients treated for unprotected left main coronary artery disease: the sirolimus vs paclitaxel drug-eluting stent for left main registry (SP-DELFT). <i>International Journal of Cardiology</i> , <b>2009</b> , 137, 16-21	3.2	17
59	Optical coherence tomography patterns of stent restenosis. <i>American Heart Journal</i> , <b>2009</b> , 158, 284-93	4.9	258
58	In vivo assessment of high-risk coronary plaques at bifurcations with combined intravascular ultrasound and optical coherence tomography. <i>JACC: Cardiovascular Imaging</i> , <b>2009</b> , 2, 473-82	8.4	97
57	Synergistic effect of cardiovascular risk factors on necrotic core in coronary arteries: a report from the global intravascular radiofrequency data analysis registry. <i>JACC: Cardiovascular Imaging</i> , <b>2009</b> , 2, 629-36	8.4	13
56	Quantitative ex vivo and in vivo comparison of lumen dimensions measured by optical coherence tomography and intravascular ultrasound in human coronary arteries. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2009</b> , 62, 615-24	0.7	28
55	A bioabsorbable everolimus-eluting coronary stent system (ABSORB): 2-year outcomes and results from multiple imaging methods. <i>Lancet, The</i> , <b>2009</b> , 373, 897-910	40	642
54	Comparación cuantitativa ex vivo e in vivo de las dimensiones del lumen medidas por tomografía de coherencia óptica y ecografía intravascular en arterias coronarias humanas. <i>Revista Espanola De Cardiologia</i> , <b>2009</b> , 62, 615-624	1.5	72
53	Virtual histology and optical coherence tomography: from research to a broad clinical application. <i>Heart</i> , <b>2009</b> , 95, 1362-74	5.1	25

52	Phospholipase A2 inhibitors. <i>Current Opinion in Lipidology</i> , <b>2009</b> , 20, 327-32	4.4	28
51	Assessment of the absorption process following bioabsorbable everolimus-eluting stent implantation: temporal changes in strain values and tissue composition using intravascular ultrasound radiofrequency data analysis. A substudy of the ABSORB clinical trial. <i>EuroIntervention</i> , <b>2009</b> , 4, 443-8	3.1	52
50	Computed tomography in total coronary occlusions (CTTO registry): radiation exposure and predictors of successful percutaneous intervention. <i>EuroIntervention</i> , <b>2009</b> , 4, 607-16	3.1	81
49	Tissue characterisation using intravascular radiofrequency data analysis: recommendations for acquisition, analysis, interpretation and reporting. <i>EuroIntervention</i> , <b>2009</b> , 5, 177-89	3.1	229
48	Reproducibility of quantitative optical coherence tomography for stent analysis. <i>EuroIntervention</i> , <b>2009</b> , 5, 224-32	3.1	91
47	Caracterizaci3n de los efectos tisulares en los segmentos adyacentes a los stents liberadores de paclitaxel seg3n el an3lisis de datos de radiofrecuencia procedentes de ecocardiograf3a intravascular seriada: estudio BETAX (BESide TAXus). <i>Revista Espanola De Cardiologia</i> , <b>2008</b> , 61, 1013-1019	1.5	10
46	Characterization of Edge Effects With Paclitaxel-Eluting Stents Using Serial Intravascular Ultrasound Radiofrequency Data Analysis: The BETAX (BESide TAXus) Study. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2008</b> , 61, 1013-1019	0.7	1
45	Longest available clinical outcomes after drug-eluting stent implantation for unprotected left main coronary artery disease: the DELFT (Drug Eluting stent for LEFT main) Registry. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 51, 2212-9	15.1	135
44	Two-year outcome of the use of paclitaxel-eluting stents in aorto-ostial lesions. <i>International Journal of Cardiology</i> , <b>2008</b> , 129, 348-53	3.2	9
43	A bioabsorbable everolimus-eluting coronary stent system for patients with single de-novo coronary artery lesions (ABSORB): a prospective open-label trial. <i>Lancet, The</i> , <b>2008</b> , 371, 899-907	4.0	552
42	Effects of the direct lipoprotein-associated phospholipase A(2) inhibitor darapladib on human coronary atherosclerotic plaque. <i>Circulation</i> , <b>2008</b> , 118, 1172-82	16.7	432
41	Primary percutaneous coronary intervention for acute myocardial infarction: long-term outcome after bare metal and drug-eluting stent implantation. <i>Circulation: Cardiovascular Interventions</i> , <b>2008</b> , 1, 103-10	6	36
40	Feasibility of combined use of intravascular ultrasound radiofrequency data analysis and optical coherence tomography for detecting thin-cap fibroatheroma. <i>European Heart Journal</i> , <b>2008</b> , 29, 1136-46	9.5	196
39	Coronary plaque composition as assessed by greyscale intravascular ultrasound and radiofrequency spectral data analysis. <i>International Journal of Cardiovascular Imaging</i> , <b>2008</b> , 24, 811-8	2.5	14
38	Diagnosis and treatment of coronary vulnerable plaques. <i>Expert Review of Cardiovascular Therapy</i> , <b>2008</b> , 6, 209-22	2.5	15
37	A primer on the immune system in the pathogenesis and treatment of atherosclerosis. <i>EuroIntervention</i> , <b>2008</b> , 4, 378-90	3.1	9
36	Characterization of edge effects with paclitaxel-eluting stents using serial intravascular ultrasound radiofrequency data analysis: the BETAX (BESide TAXus) Study. <i>Revista Espanola De Cardiologia</i> , <b>2008</b> , 61, 1013-9	1.5	4
35	Plaque composition in the left main stem mimics the distal but not the proximal tract of the left coronary artery: influence of clinical presentation, length of the left main trunk, lipid profile, and systemic levels of C-reactive protein. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 49, 23-31	15.1	44

34	Two-year clinical outcome after coronary stenting of small vessels using 2.25-mm sirolimus- and paclitaxel-eluting stents: insight into the RESEARCH and T-SEARCH registries. <i>Catheterization and Cardiovascular Interventions</i> , <b>2007</b> , 69, 94-103	2.7	36
33	Chronic total occlusion treatment in post-CABG patients: saphenous vein graft versus native vessel recanalization-long-term follow-up in the drug-eluting stent era. <i>Catheterization and Cardiovascular Interventions</i> , <b>2007</b> , 70, 21-5	2.7	25
32	Three-year clinical outcomes after coronary stenting of chronic total occlusion using sirolimus-eluting stents: insights from the rapamycin-eluting stent evaluated at Rotterdam cardiology hospital-(RESEARCH) registry. <i>Catheterization and Cardiovascular Interventions</i> , <b>2007</b> , 70, 635-9	2.7	24
31	Meta-analysis of the studies assessing temporal changes in coronary plaque volume using intravascular ultrasound. <i>American Journal of Cardiology</i> , <b>2007</b> , 99, 5-10	3	37
30	Relation of plaque size to necrotic core in the three major coronary arteries in patients with acute coronary syndrome as determined by intravascular ultrasonic imaging radiofrequency. <i>American Journal of Cardiology</i> , <b>2007</b> , 99, 790-2	3	21
29	Comparison of three-year clinical outcome of sirolimus- and paclitaxel-eluting stents versus bare metal stents in patients with ST-segment elevation myocardial infarction (from the RESEARCH and T-SEARCH Registries). <i>American Journal of Cardiology</i> , <b>2007</b> , 99, 1027-32	3	117
28	Long-term effect of perindopril on coronary atherosclerosis progression (from the perindoprilB prospective effect on coronary atherosclerosis by angiography and intravascular ultrasound evaluation [PERSPECTIVE] study). <i>American Journal of Cardiology</i> , <b>2007</b> , 100, 159-63	3	50
27	The long-term value of sirolimus- and paclitaxel-eluting stents over bare metal stents in patients with diabetes mellitus. <i>European Heart Journal</i> , <b>2007</b> , 28, 26-32	9.5	85
26	Effect of perindopril on coronary remodelling: insights from a multicentre, randomized study. <i>European Heart Journal</i> , <b>2007</b> , 28, 2326-31	9.5	35
25	Contemporary treatment of patients with chronic total occlusion: critical appraisal of different state-of-the-art techniques and devices. <i>EuroIntervention</i> , <b>2007</b> , 3, 188-96	3.1	18
24	Ultrasonic and pathological evidence of a neo-intimal plaque rupture in patients with bare metal stents. <i>EuroIntervention</i> , <b>2007</b> , 3, 290-1	3.1	18
23	In vivo validation of a novel three-dimensional quantitative coronary angiography system (CardiOp-B): comparison with a conventional two-dimensional system (CAAS II) and with special reference to optical coherence tomography. <i>EuroIntervention</i> , <b>2007</b> , 3, 100-8	3.1	24
22	Revisiting late loss and neointimal volumetric measurements in a drug-eluting stent trial: analysis from the SPIRIT FIRST trial. <i>Catheterization and Cardiovascular Interventions</i> , <b>2006</b> , 67, 188-97	2.7	26
21	Guidewire navigation in coronary artery stenoses using a novel magnetic navigation system: first clinical experience. <i>Catheterization and Cardiovascular Interventions</i> , <b>2006</b> , 67, 356-63	2.7	38
20	Distance from the ostium as an independent determinant of coronary plaque composition in vivo: an intravascular ultrasound study based radiofrequency data analysis in humans. <i>European Heart Journal</i> , <b>2006</b> , 27, 655-63	9.5	58
19	Global characterization of coronary plaque rupture phenotype using three-vessel intravascular ultrasound radiofrequency data analysis. <i>European Heart Journal</i> , <b>2006</b> , 27, 1921-7	9.5	58
18	Effects of cardiac resynchronization therapy on overall mortality and mode of death: a meta-analysis of randomized controlled trials. <i>European Heart Journal</i> , <b>2006</b> , 27, 2682-8	9.5	172
17	Sirolimus-eluting versus paclitaxel-eluting stent implantation for the percutaneous treatment of left main coronary artery disease: a combined RESEARCH and T-SEARCH long-term analysis. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 47, 507-14	15.1	92

16	Plaque composition and its relationship with acknowledged shear stress patterns in coronary arteries. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 47, 884-5	15.1	59
15	Distal left main coronary disease is a major predictor of outcome in patients undergoing percutaneous intervention in the drug-eluting stent era: an integrated clinical and angiographic analysis based on the Rapamycin-Eluting Stent Evaluated At Rotterdam Cardiology Hospital (RESEARCH) and Taxus-Stent Evaluated At Rotterdam Cardiology Hospital (T-SEARCH) registries.	15.1	160
14	In vivo relationship between compositional and mechanical imaging of coronary arteries. Insights from intravascular ultrasound radiofrequency data analysis. <i>American Heart Journal</i> , <b>2006</b> , 151, 1025.e1-6	4.9	10
13	Single-vessel versus bifurcation stenting for the treatment of distal left main coronary artery disease in the drug-eluting stenting era. Clinical and angiographic insights into the Rapamycin-Eluting Stent Evaluated at Rotterdam Cardiology Hospital (RESEARCH) and Taxus-Stent Evaluated At Rotterdam Cardiology Hospital (T-SEARCH) registries.	4.9	51
12	In-vivo, cardiac-cycle related intimal displacement of coronary plaques assessed by 3-D ECG-gated intravascular ultrasound: exploring its correlate with tissue deformability identified by palpography. <i>International Journal of Cardiovascular Imaging</i> , <b>2006</b> , 22, 147-52	2.5	4
11	Reproducibility of intravascular ultrasound radiofrequency data analysis: implications for the design of longitudinal studies. <i>International Journal of Cardiovascular Imaging</i> , <b>2006</b> , 22, 621-31	2.5	52
10	Drug-eluting stents. <i>Archivos De Cardiologia De Mexico</i> , <b>2006</b> , 76, 297-319	0.2	18
9	Virtual histology and remodelling index allow in vivo identification of allegedly high-risk coronary plaques in patients with acute coronary syndromes: a three vessel intravascular ultrasound radiofrequency data analysis. <i>EuroIntervention</i> , <b>2006</b> , 2, 338-44	3.1	19
8	In vivo intravascular ultrasound-derived thin-cap fibroatheroma detection using ultrasound radiofrequency data analysis. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 46, 2038-42	15.1	329
7	One-year clinical outcome after coronary stenting of very small vessels using 2.25 mm sirolimus- and paclitaxel-eluting stents: a comparison between the RESEARCH and T-SEARCH registries. <i>Journal of Invasive Cardiology</i> , <b>2005</b> , 17, 409-12	0.7	20
6	Magnetic navigation in a coronary phantom: experimental results. <i>EuroIntervention</i> , <b>2005</b> , 1, 321-8	3.1	10
5	Analysis of Radiofrequency Ultrasound Signals. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> ,55-93	0.4	
4	Research Utility of Intravascular Ultrasound. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> ,109-136	0.4	
3	Grayscale Intravascular Ultrasound and Virtual Histology of the Unstable Coronary Lesion301-312		
2	Human vs. machine vs. core lab for the assessment of coronary atherosclerosis with lumen and vessel contour segmentation with intravascular ultrasound. <i>International Journal of Cardiovascular Imaging</i> ,1		0
1	High-definition intravascular ultrasound: current clinical uses. <i>International Journal of Cardiovascular Imaging</i> ,1		0