

# Hector M Garcia-Garcia

## List of Publications by Year in descending order

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595  
papers

27,089  
citations

5248

83  
h-index

9073

144  
g-index

646  
all docs

646  
docs citations

646  
times ranked

14010  
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus Standards for Acquisition, Measurement, and Reporting of Intravascular Optical Coherence Tomography Studies. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1058-1072.	1.2	1,530
2	A bioabsorbable everolimus-eluting coronary stent system (ABSORB): 2-year outcomes and results from multiple imaging methods. <i>Lancet, The</i> , 2009, 373, 897-910.	6.3	755
3	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> , 2013, 381, 639-650.	6.3	679
4	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> , 2008, 371, 899-907.	6.3	655
5	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, The</i> , 2015, 385, 43-54.	6.3	514
6	Effects of the Direct Lipoprotein-Associated Phospholipase A <sub>2</sub> Inhibitor Darapladib on Human Coronary Atherosclerotic Plaque. <i>Circulation</i> , 2008, 118, 1172-1182.	1.6	492
7	Standardized End Point Definitions for Coronary Intervention Trials: The Academic Research Consortium-2 Consensus Document. <i>Circulation</i> , 2018, 137, 2635-2650.	1.6	435
8	Evaluation of the Second Generation of a Bioresorbable Everolimus-Eluting Vascular Scaffold for the Treatment of De Novo Coronary Artery Stenosis. <i>Journal of the American College of Cardiology</i> , 2011, 58, 1578-1588.	1.2	410
9	In Vivo Intravascular Ultrasound-Derived Thin-Cap Fibroatheroma Detection Using Ultrasound Radiofrequency Data Analysis. <i>Journal of the American College of Cardiology</i> , 2005, 46, 2038-2042.	1.2	364
10	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> , 2014, 35, 639-647.	1.0	314
11	Evaluation of the Second Generation of a Bioresorbable Everolimus Drug-Eluting Vascular Scaffold for Treatment of De Novo Coronary Artery Stenosis. <i>Circulation</i> , 2010, 122, 2301-2312.	1.6	312
12	Optical coherence tomography patterns of stent restenosis. <i>American Heart Journal</i> , 2009, 158, 284-293.	1.2	309
13	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. <i>Circulation</i> , 2010, 122, 2288-2300.	1.6	289
14	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> , 2016, 387, 31-39.	6.3	284
15	From metallic cages to transient bioresorbable scaffolds: change in paradigm of coronary revascularization in the upcoming decade?. <i>European Heart Journal</i> , 2012, 33, 16-25.	1.0	269
16	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> , 2019, 394, 1629-1637.	6.3	263
17	Mechanisms of Very Late Drug-Eluting Stent Thrombosis Assessed by Optical Coherence Tomography. <i>Circulation</i> , 2016, 133, 650-660.	1.6	260
18	The Negative Impact of Incomplete Angiographic Revascularization on Clinical Outcomes and Its Association With Total Occlusions. <i>Journal of the American College of Cardiology</i> , 2013, 61, 282-294.	1.2	257

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19	Tissue characterisation using intravascular radiofrequency data analysis: recommendations for acquisition, analysis, interpretation and reporting. <i>EuroIntervention</i> , 2009, 5, 177-189.	1.4	252
20	A New Tool for the Risk Stratification of Patients With Complex Coronary Artery Disease. <i>Circulation: Cardiovascular Interventions</i> , 2010, 3, 317-326.	1.4	236
21	Feasibility of combined use of intravascular ultrasound radiofrequency data analysis and optical coherence tomography for detecting thin-cap fibroatheroma. <i>European Heart Journal</i> , 2008, 29, 1136-1146.	1.0	235
22	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> , 2014, 100, 1158-1164.	1.2	216
23	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> , 2017, 390, 1843-1852.	6.3	214
24	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> , 2014, 9, 1271-1284.	1.4	212
25	Effects of cardiac resynchronization therapy on overall mortality and mode of death: a meta-analysis of randomized controlled trials. <i>European Heart Journal</i> , 2006, 27, 2682-2688.	1.0	201
26	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 infarctionâ€™TROFI II trial. <i>European Heart Journal</i> , 2016, 37, 229-240.	1.0	197
27	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. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, 999-1009.	1.1	195
28	Imaging of coronary atherosclerosis: intravascular ultrasound. <i>European Heart Journal</i> , 2010, 31, 2456-2469.	1.0	194
29	First Serial Assessment at 6 Months and 2 Years of the Second Generation of Absorb Everolimus-Eluting Bioresorbable Vascular Scaffold. <i>Circulation: Cardiovascular Interventions</i> , 2012, 5, 620-632.	1.4	186
30	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. <i>JACC: Cardiovascular Interventions</i> , 2009, 2, 445-452.	1.1	184
31	Distal Left Main Coronary Disease Is a Major Predictor of Outcome in Patients Undergoing Percutaneous Intervention in the Drug-Eluting Stent Era. <i>Journal of the American College of Cardiology</i> , 2006, 47, 1530-1537.	1.2	181
32	Standardized End Point Definitions for Coronary Intervention Trials. <i>European Heart Journal</i> , 2018, 39, 2192-2207.	1.0	179
33	Incomplete Stent Apposition Causes High Shear Flow Disturbances and Delay in Neointimal Coverage as a Function of Strut to Wall Detachment Distance. <i>Circulation: Cardiovascular Interventions</i> , 2014, 7, 180-189.	1.4	178
34	Transcatheter Aortic Valve Replacement in Low-Risk Patients With Symptomatic Severe Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2095-2105.	1.2	175
35	Prospective Assessment of the Diagnostic Accuracy of Instantaneous Wave-Free Ratio to Assess Coronary Stenosis Relevance. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 824-833.	1.1	172
36	Impact of statin therapy on coronary plaque composition: a systematic review and meta-analysis of virtual histology intravascular ultrasound studies. <i>BMC Medicine</i> , 2015, 13, 229.	2.3	169

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37	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> , 2015, 36, 490-500.	1.0	168
38	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> , 2012, 8, 855-865.	1.4	163
39	Near-Infrared Spectroscopy Predicts Cardiovascular Outcome in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2014, 64, 2510-2518.	1.2	162
40	Longest Available Clinical Outcomes After Drug-Eluting Stent Implantation for Unprotected Left Main Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2008, 51, 2212-2219.	1.2	160
41	IVUS-based imaging modalities for tissue characterization: similarities and differences. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 215-224.	0.7	158
42	Sustained safety and performance of the second-generation drug-eluting absorbable metal scaffold in patients with <i>de novo</i> coronary lesions: 12-month clinical results and angiographic findings of the BIOSOLVE-II first-in-man trial. <i>European Heart Journal</i> , 2016, 37, 2701-2709.	1.0	149
43	Stabilisation of atherosclerotic plaques. <i>Thrombosis and Haemostasis</i> , 2011, 106, 1-19.	1.8	139
44	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> , 2012, 33, 1325-1333.	1.0	138
45	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> , 2012, 33, 3098-3104.	1.0	138
46	PCSK9 in relation to coronary plaque inflammation: Results of the ATHEROREMO-IVUS study. <i>Atherosclerosis</i> , 2016, 248, 117-122.	0.4	137
47	Clinical expert consensus document on standards for acquisition, measurement and reporting of intravascular ultrasound regression/progression studies. <i>EuroIntervention</i> , 2011, 6, 1123-1130.	1.4	137
48	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> , 2011, 32, 3115-3127.	1.0	136
49	Fast virtual functional assessment of intermediate coronary lesions using routine angiographic data and blood flow simulation in humans: comparison with pressure wire $\alpha$ fractional flow reserve. <i>EuroIntervention</i> , 2014, 10, 574-583.	1.4	136
50	The Risk of Stent Thrombosis in Patients With Acute Coronary Syndromes Treated With Bare-Metal and Drug-Eluting Stents. <i>JACC: Cardiovascular Interventions</i> , 2009, 2, 534-541.	1.1	134
51	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> , 2011, 78, 3-12.	0.7	134
52	Prediction of 1-Year Clinical Outcomes Using the SYNTAX Score in Patients With Acute ST-Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2011, 4, 66-75.	1.1	132
53	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) Tj ETQq1 1 0.7874314 rgb(0,0,0) Over	1.1	131
54	Long-Term Prognostic Effect of Coronary Atherosclerotic Burden. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, e002332.	1.3	123

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55	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> , 2011, 32, 2454-2463.	1.0	121
56	Plasma concentrations of molecular lipid species in relation to coronary plaque characteristics and cardiovascular outcome: Results of the ATHEROREMO-IVUS study. <i>Atherosclerosis</i> , 2015, 243, 560-566.	0.4	120
57	Natural History of Coronary Atherosclerosis by Multislice Computed Tomography. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, S28-S37.	2.3	119
58	Circumferential evaluation of the neointima by optical coherence tomography after ABSORB bioresorbable vascular scaffold implantation: Can the scaffold cap the plaque?. <i>Atherosclerosis</i> , 2012, 221, 106-112.	0.4	115
59	ABSORB II randomized controlled trial. <i>American Heart Journal</i> , 2012, 164, 654-663.	1.2	113
60	In Vivo Assessment of High-Risk Coronary Plaques at Bifurcations With Combined Intravascular Ultrasound and Optical Coherence Tomography. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 473-482.	2.3	112
61	Bioresorbable Drug-Eluting Magnesium-Alloy Scaffold for Treatment of Coronary Artery Disease. <i>International Journal of Molecular Sciences</i> , 2013, 14, 24492-24500.	1.8	109
62	Incidence and Imaging Outcomes of Acute Scaffold Disruption and Late Structural Discontinuity After Implantation of the Absorb Everolimus-Eluting Fully Bioresorbable Vascular Scaffold. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 1400-1411.	1.1	108
63	Effect of the Endothelial Shear Stress Patterns on Neointimal Proliferation Following Drug-Eluting Bioresorbable Vascular Scaffold Implantation. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 315-324.	1.1	108
64	Optical coherence tomography in coronary atherosclerosis assessment and intervention. <i>Nature Reviews Cardiology</i> , 2022, 19, 684-703.	6.1	106
65	Randomized study to assess the effect of thrombus aspiration on flow area in patients with ST-elevation myocardial infarction: an optical frequency domain imaging studyâ€”TROFI trial. <i>European Heart Journal</i> , 2013, 34, 1050-1060.	1.0	103
66	Stabilization of atherosclerotic plaques: an update. <i>European Heart Journal</i> , 2013, 34, 3251-3258.	1.0	101
67	A Randomized Trial of a Dedicatedâ€”Bifurcation Stent Versus Provisional Stenting in the Treatment of Coronary Bifurcation Lesions. <i>Journal of the American College of Cardiology</i> , 2015, 65, 533-543.	1.2	101
68	Reproducibility of quantitative optical coherence tomography for stent analysis. <i>EuroIntervention</i> , 2009, 5, 224-232.	1.4	101
69	Sirolimus-Eluting Versus Paclitaxel-Eluting Stent Implantation for the Percutaneous Treatment of Left Main Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2006, 47, 507-514.	1.2	100
70	Computed Tomography in Total coronary Occlusions (CTTO Registry): radiation exposure and predictors of successful percutaneous intervention. <i>EuroIntervention</i> , 2009, 4, 607-616.	1.4	100
71	Smoking Is Associated With Adverse Clinical Outcomes in Patientsâ€”Undergoing Revascularization With PCI or CABG. <i>Journal of the American College of Cardiology</i> , 2015, 65, 1107-1115.	1.2	99
72	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> , 2011, 6, 1037-1045.	1.4	99

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73	Incidence and Short-Term Clinical Outcomes of Small Side Branch Occlusion After Implantation of an Everolimus-Eluting Bioresorbable Vascular Scaffold. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, 247-257.	1.1	98
74	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> , 2017, 13, 432-439.	1.4	98
75	The long-term value of sirolimus- and paclitaxel-eluting stents over bare metal stents in patients with diabetes mellitus. <i>European Heart Journal</i> , 2006, 28, 26-32.	1.0	97
76	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> , 2018, 39, 295-302.	1.0	96
77	Drug-Coated Balloon for De Novo Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1061-1073.	1.2	96
78	Effect of Rosiglitazone on Progression of Coronary Atherosclerosis in Patients With Type 2 Diabetes Mellitus and Coronary Artery Disease. <i>Circulation</i> , 2010, 121, 1176-1187.	1.6	95
79	A Comparison of the Conformability of Everolimus-Eluting Bioresorbable Vascular Scaffolds to Metal Platform Coronary Stents. <i>JACC: Cardiovascular Interventions</i> , 2010, 3, 1190-1198.	1.1	92
80	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> , 2016, 12, 1239-1245.	1.4	92
81	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. <i>JACC: Cardiovascular Interventions</i> , 2012, 5, 606-617.	1.1	91
82	3-Dimensional Optical Coherence Tomography Assessment of Jailed Side Branches by Bioresorbable Vascular Scaffolds. <i>JACC: Cardiovascular Interventions</i> , 2010, 3, 836-844.	1.1	90
83	Intracoronary Optical Coherence Tomography and Histology of Overlapping Everolimus-Eluting Bioresorbable Vascular Scaffolds in a Porcine Coronary Artery Model. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, 523-532.	1.1	84
84	Feasibility of Coronary Access and Aortic Valve Reintervention in Low-Risk TAVR Patients. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 726-735.	1.1	83
85	Percutaneous left atrial appendage occlusion in patients with non-valvular atrial fibrillation: implantation and up to four years follow-up of the AMPLATZER Cardiac Plug. <i>EuroIntervention</i> , 2016, 11, 1188-1194.	1.4	83
86	Self-Expanding Versus Balloon-Expandable Stents in Acute Myocardial Infarction: Results From the APPPOSITION II Study. <i>JACC: Cardiovascular Interventions</i> , 2012, 5, 1209-1219.	1.1	82
87	Hybrid Intravascular Imaging. <i>Journal of the American College of Cardiology</i> , 2013, 61, 1369-1378.	1.2	80
88	Transcatheter Aortic Valve Replacement in Low-Risk Patients With Symptomatic Severe Bicuspid Aortic Valve Stenosis. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1019-1027.	1.1	77
89	NIRS and IVUS for Characterization of Atherosclerosis in Patients Undergoing Coronary Angiography. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 647-655.	2.3	76
90	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> , 2011, 4, 992-1001.	1.1	75

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91	Intravascular ultrasound-guided drug-eluting stent implantation: An updated meta-analysis of randomized control trials and observational studies. <i>International Journal of Cardiology</i> , 2016, 216, 133-139.	0.8	73
92	Ultrathin Bioresorbable Polymer Sirolimus-Eluting Stents Versus Thin Durable Polymer Everolimus-Eluting Stents. <i>Journal of the American College of Cardiology</i> , 2018, 72, 3287-3297.	1.2	73
93	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> , 2013, 99, 98-105.	1.2	72
94	Global characterization of coronary plaque rupture phenotype using three-vessel intravascular ultrasound radiofrequency data analysis. <i>European Heart Journal</i> , 2006, 27, 1921-1927.	1.0	71
95	Takotsubo syndrome: State-of-the-art review by an expert panel – Part 1. <i>Cardiovascular Revascularization Medicine</i> , 2019, 20, 70-79.	0.3	71
96	Relation between plaque type and dissections at the edges after stent implantation: An optical coherence tomography study. <i>International Journal of Cardiology</i> , 2011, 150, 151-155.	0.8	70
97	A Patient-Level Pooled Analysis Assessing the Impact of the SYNTAX (Synergy Between Percutaneous) Tj ETQq1 1 0.784314 rgBT /Over Patients Enrolled in Contemporary Coronary Stent Trials. <i>JACC: Cardiovascular Interventions</i> , 2011, 4, 645-653.	1.1	70
98	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> , 2020, 36, 1395-1406.	0.7	70
99	Natural history of optical coherence tomography-detected non-flow-limiting edge dissections following drug-eluting stent implantation. <i>EuroIntervention</i> , 2014, 9, 1085-1094.	1.4	70
100	The SYNTAX score revisited: A reassessment of the SYNTAX score reproducibility. <i>Catheterization and Cardiovascular Interventions</i> , 2010, 75, 946-952.	0.7	69
101	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> , 2006, 27, 655-663.	1.0	68
102	Ultrathin Bioresorbable-Polymer Sirolimus-Eluting Stents Versus Thin Durable-Polymer Everolimus-Eluting Stents for Coronary Revascularization. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1343-1353.	1.1	68
103	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> , 2012, 5, S10-S18.	2.3	67
104	Clinical and Angiographic Characteristics of Patients Likely to Have Vulnerable Plaques. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 1263-1272.	2.3	67
105	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> , 2014, 35, 795-807.	1.0	67
106	Plaque Composition and its Relationship With Acknowledged Shear Stress Patterns in Coronary Arteries. <i>Journal of the American College of Cardiology</i> , 2006, 47, 884-885.	1.2	65
107	TAVR in Low-Risk Patients. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 901-907.	1.1	65
108	Predictive Performance of SYNTAX Score II in Patients With Left Main and Multivessel Coronary Artery Disease. <i>Circulation Journal</i> , 2014, 78, 1942-1949.	0.7	64

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109	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> , 2019, 40, 2070-2085.	1.0	64
110	Head-to-Head Comparison of the Neointimal Response Between Metallic and Bioresorbable Everolimus-Eluting Scaffolds Using Optical Coherence Tomography. <i>JACC: Cardiovascular Interventions</i> , 2011, 4, 1271-1280.	1.1	61
111	Coronary computed tomography angiography-adapted Leaman score as a tool to noninvasively quantify total coronary atherosclerotic burden. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1575-1584.	0.7	61
112	Assessing Bioresorbable Coronary Devices. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 1130-1148.	2.3	60
113	Reproducibility of intravascular ultrasound radiofrequency data analysis: implications for the design of longitudinal studies. <i>International Journal of Cardiovascular Imaging</i> , 2006, 22, 621-631.	0.7	59
114	Long-Term Effect of Perindopril on Coronary Atherosclerosis Progression (from the PERindoprilâ€™s Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	59
115	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> , 2011, 32, 294-304.	1.0	58
116	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. <i>American Heart Journal</i> , 2006, 152, 896-902.	1.2	57
117	Impact of Sex on 3-Year Outcome After Percutaneous Coronary Intervention Using Bare-Metal and Drug-Eluting Stents in Previously Untreated Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2009, 2, 603-610.	1.1	57
118	Vascular Compliance Changes of the Coronary Vessel Wall After Bioresorbable Vascular Scaffold Implantation in the Treated and Adjacent Segments. <i>Circulation Journal</i> , 2012, 76, 1616-1623.	0.7	57
119	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> , 2009, 4, 443-448.	1.4	57
120	â€œIn Vivoâ€ imaging of atherosclerosis. <i>Atherosclerosis</i> , 2012, 224, 25-36.	0.4	56
121	Bioresorbable scaffolds: Current knowledge, potentialities and limitations experienced during their first clinical applications. <i>International Journal of Cardiology</i> , 2013, 167, 11-21.	0.8	56
122	Long-Term Vascular Healing in Response to Sirolimus- and Paclitaxel-Eluting Stents. <i>JACC: Cardiovascular Interventions</i> , 2012, 5, 946-957.	1.1	55
123	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> , 2009, 62, 615-624.	0.4	54
124	Prediction of 1-Year Mortality in Patients With Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, 737-745.	1.1	54
125	Three-dimensional optical frequency domain imaging in conventional percutaneous coronary intervention: the potential for clinical application. <i>European Heart Journal</i> , 2013, 34, 875-885.	1.0	54
126	In vivo serial invasive imaging of the second-generation drug-eluting absorbable metal scaffold (Magmaris â€” DREAMS 2G) in de novo coronary lesions: Insights from the BIOSOLVE-II First-In-Man Trial. <i>International Journal of Cardiology</i> , 2018, 255, 22-28.	0.8	54



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127	New Insights Into the Coronary Artery Bifurcation. <i>JACC: Cardiovascular Interventions</i> , 2011, 4, 921-931.	1.1	53
128	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> , 2013, 29, 1095-1104.	0.7	53
129	Circulating Osteoglycin and NGAL/MMP9 Complex Concentrations Predict 1-Year Major Adverse Cardiovascular Events After Coronary Angiography. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1078-1084.	1.1	53
130	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> , 2018, 122, 1652-1660.	0.7	53
131	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> , 2010, 63, 893-903.	0.6	52
132	Plaque Composition in the Left Main Stem Mimics the Distal But Not the Proximal Tract of the Left Coronary Artery. <i>Journal of the American College of Cardiology</i> , 2007, 49, 23-31.	1.2	51
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134	Predicting 3-Year Mortality After Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 464-470.	1.1	50
135	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> , 2015, 8, 1715-1726.	1.1	50
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138	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> , 2011, 7, 428-436.	1.4	49
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140	Automatic stent strut detection in intravascular optical coherence tomographic pullback runs. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 29-38.	0.7	48
141	Prognostic Value of Site SYNTAX Score and Rationale for Combining Anatomic and Clinical Factors in Decision Making. <i>Journal of the American College of Cardiology</i> , 2014, 64, 423-432.	1.2	48
142	Imaging Plaques to Predict and Better Manage Patients With Acute Coronary Events. <i>Circulation Research</i> , 2014, 114, 1904-1917.	2.0	48
143	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 <sc>BIOSOLVE</sc> and <sc>BIOSOLVE</sc>. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, E502-E511.	0.7	48
144	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> , 2012, 28, 467-478.	0.7	47

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146	Guidewire navigation in coronary artery stenoses using a novel magnetic navigation system: First clinical experience. <i>Catheterization and Cardiovascular Interventions</i> , 2006, 67, 356-363.	0.7	46
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148	Antibodies to periodontal pathogens are associated with coronary plaque remodeling but not with vulnerability or burden. <i>Atherosclerosis</i> , 2014, 237, 84-91.	0.4	46
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150	Meta-Analysis of the Studies Assessing Temporal Changes in Coronary Plaque Volume Using Intravascular Ultrasound. <i>American Journal of Cardiology</i> , 2007, 99, 5-10.	0.7	44
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152	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> , 2014, 173, 259-267.	0.8	44
153	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> , 2014, 114, 1497-1503.	0.7	44
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155	The Lipid-Rich Plaque Study of vulnerable plaques and vulnerable patients: Study design and rationale. <i>American Heart Journal</i> , 2017, 192, 98-104.	1.2	44
156	Impact of Periprocedural Myocardial Biomarker Elevation on Mortality Following Elective Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 1954-1962.	1.1	44
157	Novel Indices of Coronary Physiology. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e008487.	1.4	44
158	Takotsubo syndrome: State-of-the-art review by an expert panel – Part 2. <i>Cardiovascular Revascularization Medicine</i> , 2019, 20, 153-166.	0.3	42
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160	Plaque sealing and passivation with a mechanical self-expanding low outward force nitinol vShield device for the treatment of IVUS and OCT-derived thin cap fibroatheromas (TCFAs) in native coronary arteries: report of the pilot study vShield Evaluated at Cardiac hospital in Rotterdam for Investigation and Treatment of TCFA (SECRITT). <i>EuroIntervention</i> , 2012, 8, 945-954.	1.4	42
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164	Assessment of Coronary Atherosclerosis Progression and Regression at Bifurcations Using Combined IVUS and OCT. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 774-780.	2.3	40
165	Prognostic Determinants of Coronary Atherosclerosis in Stable Ischemic Heart Disease. <i>Circulation Research</i> , 2016, 119, 317-329.	2.0	40
166	Prediction of atherosclerotic disease progression using LDL transport modelling: a serial computed tomographic coronary angiographic study. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 11-18.	0.5	40
167	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> , 2007, 69, 94-103.	0.7	39
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172	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> , 2011, 27, 225-237.	0.7	38
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176	Do systemic risk factors impact invasive findings from virtual histology? Insights from the international virtual histology registry. <i>European Heart Journal</i> , 2010, 31, 196-202.	1.0	37
177	Automatic detection of bioresorbable vascular scaffold struts in intravascular optical coherence tomography pullback runs. <i>Biomedical Optics Express</i> , 2014, 5, 3589.	1.5	37
178	High-speed intracoronary optical frequency domain imaging: implications for three-dimensional reconstruction and quantitative analysis. <i>EuroIntervention</i> , 2012, 7, 1216-1226.	1.4	37
179	Optical coherence tomography (OCT) of overlapping bioresorbable scaffolds: from benchwork to clinical application. <i>EuroIntervention</i> , 2011, 7, 386-399.	1.4	37
180	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> , 2013, 99, 1267-1274.	1.2	36

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182	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> , 2016, 247, 135-141.	0.4	36
183	In vivo assessment of the relationship between shear stress and necrotic core in early and advanced coronary artery disease. <i>EuroIntervention</i> , 2013, 9, 989-995.	1.4	36
184	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. <i>JACC: Cardiovascular Interventions</i> , 2012, 5, 656-665.	1.1	35
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187	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> , 2016, 11, e1222-e1230.	1.4	35
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197	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> , 2007, 70, 635-639.	0.7	32
198	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> , 2017, 64, 1721-1730.	2.5	32

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200	Edge Vascular Response After Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, 211-221.	1.1	31
201	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> , 2013, 99, 626-633.	1.2	31
202	Inter-core Lab Variability in Analyzing Quantitative Coronary Angiography for Bifurcation Lesions. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 305-314.	1.1	31
203	Hemodynamics and Subclinical Leaflet Thrombosis in Low-Risk Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009608.	1.3	31
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219	Five-year follow-up of the ABSORB bioresorbable everolimus-eluting vascular scaffold system: multimodality imaging assessment. <i>EuroIntervention</i> , 2013, 8, 1126-1127.	1.4	28
220	Crossing of a calcified "balloon uncrossable" coronary chronic total occlusion facilitated by a laser catheter. <i>International Journal of Cardiology</i> , 2010, 145, 251-254.	0.8	27
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228	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> , 2020, 228, 65-71.	1.2	25
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232	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> , 2016, 12, 482-489.	1.4	25
233	<i>Ex vivo</i> validation of 45 MHz intravascular ultrasound backscatter tissue characterization. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 1112-1119.	0.5	24
234	Critical Appraisal of Contemporary Clinical Endpoint Definitions in Coronary Intervention Trials. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 805-819.	1.1	24

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236	Assessment of atherosclerotic plaques at coronary bifurcations with multidetector computed tomography angiography and intravascular ultrasound-virtual histology. <i>European Heart Journal Cardiovascular Imaging</i> , 2012, 13, 635-642.	0.5	23
237	Relationship Between Palpography and Virtual Histology in Patients With Acute Coronary Syndromes. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, S19-S27.	2.3	23
238	Scaffold and Edge Vascular Response Following Implantation of Everolimus-Eluting Bioresorbable Vascular Scaffold. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 1361-1369.	1.1	23
239	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> , 2015, 85, 554-563.	0.7	23
240	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> , 2018, 11, e007331.	1.4	23
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242	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> , 2010, 159, 271-277.	1.2	22
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245	Functional Evaluation of Coronary Disease by CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1322-1335.	2.3	22
246	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> , 2015, 31, 915-926.	0.7	22
247	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> , 2016, 247, 154-160.	0.4	22
248	Effect of Statin Therapy on Fibrous Cap Thickness in Coronary Plaque on Optical Coherence Tomography – Review and Meta-Analysis. <i>Circulation Journal</i> , 2019, 83, 1480-1488.	0.7	22
249	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> , 2005, 17, 409-12.	0.4	22
250	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> , 2006, 2, 338-44.	1.4	22
251	Intravascular ultrasound and 3D angle measurements of coronary bifurcations. <i>Catheterization and Cardiovascular Interventions</i> , 2009, 73, 910-916.	0.7	21
252	Multi-modality intra-coronary plaque characterization: A pilot study. <i>International Journal of Cardiology</i> , 2010, 138, 32-39.	0.8	21

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254	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> , 2012, 28, 695-703.	0.7	21
255	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> , 2020, 21, 1150-1154.	0.3	21
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