

# Patrick W Serruys

## List of Publications by Citations

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

790  
papers

59,756  
citations

103  
h-index

232  
g-index

850  
ext. papers

70,633  
ext. citations

6.7  
avg, IF

7.16  
L-index

#	Paper	IF	Citations
790	Clinical end points in coronary stent trials: a case for standardized definitions. <i>Circulation</i> , <b>2007</b> , 115, 2344-51	16.7	4380
789	A comparison of balloon-expandable-stent implantation with balloon angioplasty in patients with coronary artery disease. Benestent Study Group. <i>New England Journal of Medicine</i> , <b>1994</b> , 331, 489-95	59.2	3682
788	A randomized comparison of a sirolimus-eluting stent with a standard stent for coronary revascularization. <i>New England Journal of Medicine</i> , <b>2002</b> , 346, 1773-80	59.2	3321
787	Percutaneous coronary intervention versus coronary-artery bypass grafting for severe coronary artery disease. <i>New England Journal of Medicine</i> , <b>2009</b> , 360, 961-72	59.2	2778
786	A prospective natural-history study of coronary atherosclerosis. <i>New England Journal of Medicine</i> , <b>2011</b> , 364, 226-35	59.2	2044
785	Surgical or Transcatheter Aortic-Valve Replacement in Intermediate-Risk Patients. <i>New England Journal of Medicine</i> , <b>2017</b> , 376, 1321-1331	59.2	1524
784	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, 1058-72	15.1	1216
783	Late thrombosis in drug-eluting coronary stents after discontinuation of antiplatelet therapy. <i>Lancet, The</i> , <b>2004</b> , 364, 1519-21	40	1155
782	The SYNTAX Score: an angiographic tool grading the complexity of coronary artery disease. <i>EuroIntervention</i> , <b>2005</b> , 1, 219-27	3.1	1118
781	Coronary artery bypass graft surgery versus percutaneous coronary intervention in patients with three-vessel disease and left main coronary disease: 5-year follow-up of the randomised, clinical SYNTAX trial. <i>Lancet, The</i> , <b>2013</b> , 381, 629-38	40	1109
780	Updated standardized endpoint definitions for transcatheter aortic valve implantation: the Valve Academic Research Consortium-2 consensus document. <i>European Heart Journal</i> , <b>2012</b> , 33, 2403-18	9.5	706
779	Lack of neointimal proliferation after implantation of sirolimus-coated stents in human coronary arteries: a quantitative coronary angiography and three-dimensional intravascular ultrasound study. <i>Circulation</i> , <b>2001</b> , 103, 192-5	16.7	664
778	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
777	Marked inflammatory sequelae to implantation of biodegradable and nonbiodegradable polymers in porcine coronary arteries. <i>Circulation</i> , <b>1996</b> , 94, 1690-7	16.7	618
776	Everolimus-Eluting Stents or Bypass Surgery for Left Main Coronary Artery Disease. <i>New England Journal of Medicine</i> , <b>2016</b> , 375, 2223-2235	59.2	603
775	Angiographic follow-up after placement of a self-expanding coronary-artery stent. <i>New England Journal of Medicine</i> , <b>1991</b> , 324, 13-7	59.2	601
774	Updated standardized endpoint definitions for transcatheter aortic valve implantation: the Valve Academic Research Consortium-2 consensus document (VARC-2). <i>European Journal of Cardio-thoracic Surgery</i> , <b>2012</b> , 42, S45-60	3	554

773	Coronary-artery stents. <i>New England Journal of Medicine</i> , <b>2006</b> , 354, 483-95	59.2	551
772	Biolimus-eluting stent with biodegradable polymer versus sirolimus-eluting stent with durable polymer for coronary revascularisation (LEADERS): a randomised non-inferiority trial. <i>Lancet, The</i> , <b>2008</b> , 372, 1163-73	40	531
771	Comparison of zotarolimus-eluting and everolimus-eluting coronary stents. <i>New England Journal of Medicine</i> , <b>2010</b> , 363, 136-46	59.2	519
770	Standardized endpoint definitions for transcatheter aortic valve implantation clinical trials: a consensus report from the Valve Academic Research Consortium. <i>European Heart Journal</i> , <b>2011</b> , 32, 2059-7	9.5	510
769	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	40	507
768	Five-year outcomes after coronary stenting versus bypass surgery for the treatment of multivessel disease: the final analysis of the Arterial Revascularization Therapies Study (ARTS) randomized trial. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 46, 575-81	15.1	477
767	Use of the Instantaneous Wave-free Ratio or Fractional Flow Reserve in PCI. <i>New England Journal of Medicine</i> , <b>2017</b> , 376, 1824-1834	59.2	462
766	Outcomes in patients with de novo left main disease treated with either percutaneous coronary intervention using paclitaxel-eluting stents or coronary artery bypass graft treatment in the Synergy Between Percutaneous Coronary Intervention with TAXUS and Cardiac Surgery (SYNTAX)	16.7	458
765	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> , <b>2015</b> , 385, 43-54	40	437
764	Terminology for high-risk and vulnerable coronary artery plaques. Report of a meeting on the vulnerable plaque, June 17 and 18, 2003, Santorini, Greece. <i>European Heart Journal</i> , <b>2004</b> , 25, 1077-82	9.5	401
763	Assessment of the SYNTAX score in the Syntax study. <i>EuroIntervention</i> , <b>2009</b> , 5, 50-6	3.1	367
762	Angiographic stent thrombosis after routine use of drug-eluting stents in ST-segment elevation myocardial infarction: the importance of thrombus burden. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 50, 573-83	15.1	360
761	Ticagrelor plus aspirin for 1 month, followed by ticagrelor monotherapy for 23 months vs aspirin plus clopidogrel or ticagrelor for 12 months, followed by aspirin monotherapy for 12 months after implantation of a drug-eluting stent: a multicentre, open-label, randomised superiority trial. <i>Lancet, The</i> , <b>2018</b> , 392, 940-949	40	356
760	Comparison of an everolimus-eluting bioresorbable scaffold with an everolimus-eluting metallic stent for the treatment of coronary artery stenosis (ABSORB II): a 3 year, randomised, controlled, single-blind, multicentre clinical trial. <i>Lancet, The</i> , <b>2016</b> , 388, 2479-2491	40	352
759	Everolimus-eluting stent versus bare-metal stent in ST-segment elevation myocardial infarction (EXAMINATION): 1 year results of a randomised controlled trial. <i>Lancet, The</i> , <b>2012</b> , 380, 1482-90	40	332
758	Bioresorbable scaffold: the advent of a new era in percutaneous coronary and peripheral revascularization?. <i>Circulation</i> , <b>2011</b> , 123, 779-97	16.7	327
757	Five-year outcomes in patients with left main disease treated with either percutaneous coronary intervention or coronary artery bypass grafting in the synergy between percutaneous coronary intervention with taxus and cardiac surgery trial. <i>Circulation</i> , <b>2014</b> , 129, 2388-94	16.7	320
756	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

755	Paravalvular leak after transcatheter aortic valve replacement: the new Achilles' heel? A comprehensive review of the literature. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 61, 1125-36 <sup>15.1</sup>	294
754	Mortality after coronary artery bypass grafting versus percutaneous coronary intervention with stenting for coronary artery disease: a pooled analysis of individual patient data. <i>Lancet, The</i> , <b>2018</b> , 391, 939-948	40 290
753	Very late coronary stent thrombosis of a newer-generation everolimus-eluting stent compared with early-generation drug-eluting stents: a prospective cohort study. <i>Circulation</i> , <b>2012</b> , 125, 1110-21	16.7 280
752	Relationship between neointimal thickness and shear stress after Wallstent implantation in human coronary arteries. <i>Circulation</i> , <b>2001</b> , 103, 1740-5	16.7 272
751	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
750	Five-Year Outcomes after PCI or CABG for Left Main Coronary Disease. <i>New England Journal of Medicine</i> , <b>2019</b> , 381, 1820-1830	59.2 265
749	Improved safety and reduction in stent thrombosis associated with biodegradable polymer-based biolimus-eluting stents versus durable polymer-based sirolimus-eluting stents in patients with coronary artery disease: final 5-year report of the LEADERS (Limus Eluted From A Durable Versus Biodegradable Stent Coating) randomized, noninferiority trial. <i>JACC: Cardiovascular Interventions</i> , <b>2013</b> , 6, 777-84	5 254
748	Quantification of incomplete revascularization and its association with five-year mortality in the synergy between percutaneous coronary intervention with taxus and cardiac surgery (SYNTAX) trial validation of the residual SYNTAX score. <i>Circulation</i> , <b>2013</b> , 128, 141-51	16.7 247
747	Treatment of complex coronary artery disease in patients with diabetes: 5-year results comparing outcomes of bypass surgery and percutaneous coronary intervention in the SYNTAX trial. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2013</b> , 43, 1006-13	3 243
746	Quantification and impact of untreated coronary artery disease after percutaneous coronary intervention: the residual SYNTAX (Synergy Between PCI with Taxus and Cardiac Surgery) score. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 59, 2165-74	15.1 241
745	The SYnergy between percutaneous coronary intervention with TAXus and cardiac surgery (SYNTAX) study: design, rationale, and run-in phase. <i>American Heart Journal</i> , <b>2006</b> , 151, 1194-204	4.9 239
744	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
743	Myocardial infarction adjudication in contemporary all-comer stent trials: balancing sensitivity and specificity. Addendum to the historical MI definitions used in stent studies. <i>EuroIntervention</i> , <b>2010</b> , 5, 871-4	3.1 224
742	Coronary artery bypass grafting vs. percutaneous coronary intervention for patients with three-vessel disease: final five-year follow-up of the SYNTAX trial. <i>European Heart Journal</i> , <b>2014</b> , 35, 2829-30	9.5 222
741	1-year outcomes with the Absorb bioresorbable scaffold in patients with coronary artery disease: a patient-level, pooled meta-analysis. <i>Lancet, The</i> , <b>2016</b> , 387, 1277-89	40 217
740	A randomised comparison of an everolimus-eluting coronary stent with a paclitaxel-eluting coronary stent: the SPIRIT II trial. <i>EuroIntervention</i> , <b>2006</b> , 2, 286-94	3.1 214
739	A randomized trial evaluating everolimus-eluting Absorb bioresorbable scaffolds vs. everolimus-eluting metallic stents in patients with coronary artery disease: ABSORB Japan. <i>European Heart Journal</i> , <b>2015</b> , 36, 3332-42	9.5 209
738	Long-term outcomes after stenting of bifurcation lesions with the "crush" technique: predictors of an adverse outcome. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 47, 1949-58	15.1 207

737	Percutaneous coronary intervention versus coronary artery bypass grafting in patients with three-vessel or left main coronary artery disease: 10-year follow-up of the multicentre randomised controlled SYNTAX trial. <i>Lancet, The</i> , <b>2019</b> , 394, 1325-1334	40	206
736	Association of hypertension and antihypertensive treatment with COVID-19 mortality: a retrospective observational study. <i>European Heart Journal</i> , <b>2020</b> , 41, 2058-2066	9.5	204
735	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
734	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
733	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
732	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
731	5-year clinical outcomes of the ARTS II (Arterial Revascularization Therapies Study II) of the sirolimus-eluting stent in the treatment of patients with multivessel de novo coronary artery lesions. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 55, 1093-101	15.1	172
730	A randomized comparison of a durable polymer Everolimus-eluting stent with a bare metal coronary stent: The SPIRIT first trial. <i>EuroIntervention</i> , <b>2005</b> , 1, 58-65	3.1	168
729	Clinical outcomes of state-of-the-art percutaneous coronary revascularization in patients with de novo three vessel disease: 1-year results of the SYNTAX II study. <i>European Heart Journal</i> , <b>2017</b> , 38, 3124-34	9.5	165
728	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
727	True 3-dimensional reconstruction of coronary arteries in patients by fusion of angiography and IVUS (ANGUS) and its quantitative validation. <i>Circulation</i> , <b>2000</b> , 102, 511-6	16.7	164
726	Differential clinical responses to everolimus-eluting and Paclitaxel-eluting coronary stents in patients with and without diabetes mellitus. <i>Circulation</i> , <b>2011</b> , 124, 893-900	16.7	163
725	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
724	Transcatheter aortic valve replacement in Europe: adoption trends and factors influencing device utilization. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 62, 210-219	15.1	159
723	Very Late Scaffold Thrombosis: Intracoronary Imaging and Histopathological and Spectroscopic Findings. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 1901-14	15.1	155
722	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
721	Report of a European Society of Cardiology-European Association of Percutaneous Cardiovascular Interventions task force on the evaluation of coronary stents in Europe: executive summary. <i>European Heart Journal</i> , <b>2015</b> , 36, 2608-20	9.5	145
720	Meta-analysis of everolimus-eluting versus paclitaxel-eluting stents in coronary artery disease: final 3-year results of the SPIRIT clinical trials program (Clinical Evaluation of the Xience V Everolimus Eluting Coronary Stent System in the Treatment of Patients With De Novo Native Coronary Artery Lesions). <i>JACC: Cardiovascular Interventions</i> , <b>2013</b> , 6, 814-22	5	144

719	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
718	Strain distribution over plaques in human coronary arteries relates to shear stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H1608-14	5.2	143
717	The effect of variable dose and release kinetics on neointimal hyperplasia using a novel paclitaxel-eluting stent platform: the Paclitaxel In-Stent Controlled Elution Study (PISCES). <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 46, 253-60	15.1	142
716	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
715	Extension of increased atherosclerotic wall thickness into high shear stress regions is associated with loss of compensatory remodeling. <i>Circulation</i> , <b>2003</b> , 108, 17-23	16.7	135
714	Periprocedural quantitative coronary angiography after Palmaz-Schatz stent implantation predicts the restenosis rate at six months: results of a meta-analysis of the BELgian NETHERlands Stent study (BENESTENT) I, BENESTENT II Pilot, BENESTENT II and MUSIC trials. Multicenter Ultrasound Stent In Comparison Study. <i>Journal of the American College of Cardiology</i> , <b>2002</b> , 39, 1017-24	15.1	135
713	Reduction in thrombotic events with heparin-coated Palmaz-Schatz stents in normal porcine coronary arteries. <i>Circulation</i> , <b>1996</b> , 93, 423-30	16.7	135
712	Aspirin-free strategies in cardiovascular disease and cardioembolic stroke prevention. <i>Nature Reviews Cardiology</i> , <b>2018</b> , 15, 480-496	14.8	134
711	2-year outcomes with the Absorb bioresorbable scaffold for treatment of coronary artery disease: a systematic review and meta-analysis of seven randomised trials with an individual patient data substudy. <i>Lancet, The</i> , <b>2017</b> , 390, 760-772	4.0	133
710	ECG-gated three-dimensional intravascular ultrasound: feasibility and reproducibility of the automated analysis of coronary lumen and atherosclerotic plaque dimensions in humans. <i>Circulation</i> , <b>1997</b> , 96, 2944-52	16.7	133
709	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
708	4-year clinical outcomes and predictors of repeat revascularization in patients treated with new-generation drug-eluting stents: a report from the RESOLUTE All-Comers trial (A Randomized Comparison of a Zotarolimus-Eluting Stent With an Everolimus-Eluting Stent for Percutaneous Coronary Intervention). <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 63, 1117-25	15.1	129
707	Multislice spiral computed tomography for the evaluation of stent patency after left main coronary artery stenting: a comparison with conventional coronary angiography and intravascular ultrasound. <i>Circulation</i> , <b>2006</b> , 114, 645-53	16.7	127
706	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
705	PCI and CABG for Treating Stable Coronary Artery Disease: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 964-976	15.1	125
704	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
703	Stent thrombosis and major clinical events at 3 years after zotarolimus-eluting or sirolimus-eluting coronary stent implantation: a randomised, multicentre, open-label, controlled trial. <i>Lancet, The</i> , <b>2012</b> , 380, 1396-405	4.0	124
702	Optimal medical therapy improves clinical outcomes in patients undergoing revascularization with percutaneous coronary intervention or coronary artery bypass grafting: insights from the Synergy Between Percutaneous Coronary Intervention with TAXUS and Cardiac Surgery (SYNTAX) trial at the 5-year follow-up. <i>Circulation</i> , <b>2015</b> , 131, 1269-77	16.7	122

701	A Polylactide Bioresorbable Scaffold Eluting Everolimus for Treatment of Coronary Stenosis: 5-Year Follow-Up. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 67, 766-76	15.1	122
700	Clinical outcomes in patients with ST-segment elevation myocardial infarction treated with everolimus-eluting stents versus bare-metal stents (EXAMINATION): 5-year results of a randomised trial. <i>Lancet, The</i> , <b>2016</b> , 387, 357-366	40	119
699	The ABSORB EXTEND study: preliminary report of the twelve-month clinical outcomes in the first 512 patients enrolled. <i>EuroIntervention</i> , <b>2015</b> , 10, 1396-401	3.1	119
698	Absorb bioresorbable vascular scaffold versus everolimus-eluting metallic stent in ST-segment elevation myocardial infarction: 1-year results of a propensity score matching comparison: the BVS-EXAMINATION Study (bioresorbable vascular scaffold-a clinical evaluation of everolimus eluting coronary stents in the treatment of patients with ST-segment elevation myocardial	5	117
697	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
696	Hybrid intravascular imaging: recent advances, technical considerations, and current applications in the study of plaque pathophysiology. <i>European Heart Journal</i> , <b>2017</b> , 38, 400-412	9.5	114
695	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
694	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
693	Are drug-eluting stents associated with a higher rate of late thrombosis than bare metal stents? Late stent thrombosis: a nuisance in both bare metal and drug-eluting stents. <i>Circulation</i> , <b>2007</b> , 115, 1433-9; discussion 1439	16.7	109
692	Experimental validation of geometric and densitometric coronary measurements on the new generation Cardiovascular Angiography Analysis System (CAAS II). <i>Catheterization and Cardiovascular Diagnosis</i> , <b>1993</b> , 30, 104-14		109
691	Three-Year Outcomes With the Absorb Bioresorbable Scaffold: Individual-Patient-Data Meta-Analysis From the ABSORB Randomized Trials. <i>Circulation</i> , <b>2018</b> , 137, 464-479	16.7	108
690	Two-year clinical, angiographic, and serial optical coherence tomographic follow-up after implantation of an everolimus-eluting bioresorbable scaffold and an everolimus-eluting metallic stent: insights from the randomised ABSORB Japan trial. <i>EuroIntervention</i> , <b>2016</b> , 12, 1090-1101	3.1	108
689	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</i>	4.9	105
688	Effect of Technique on Outcomes Following Bioresorbable Vascular Scaffold Implantation: Analysis From the ABSORB Trials. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 70, 2863-2874	15.1	103
687	Drug-eluting stent for left main coronary artery disease. The DELTA registry: a multicenter registry evaluating percutaneous coronary intervention versus coronary artery bypass grafting for left main treatment. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 718-27	5	102
686	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
685	Intravascular ultrasound guidance to minimize the use of iodine contrast in percutaneous coronary intervention: the MOZART (Minimizing cOntrast utilization With IVUS Guidance in coRonary angioplasty) randomized controlled trial. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 1287-93	5	99
684	Natural history of coronary atherosclerosis by multislice computed tomography. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, S28-37	8.4	98

683	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	5	97
682	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
681	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
680	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
679	Comparison of zotarolimus- and everolimus-eluting coronary stents: final 5-year report of the RESOLUTE all-comers trial. <i>Circulation: Cardiovascular Interventions</i> , <b>2015</b> , 8, e002230	6	95
678	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
677	Two-year clinical, angiographic, and intravascular ultrasound follow-up of the XIENCE V everolimus-eluting stent in the treatment of patients with de novo native coronary artery lesions: the SPIRIT II trial. <i>Circulation: Cardiovascular Interventions</i> , <b>2009</b> , 2, 339-47	6	94
676	Incidence and multivariable correlates of long-term mortality in patients treated with surgical or percutaneous revascularization in the synergy between percutaneous coronary intervention with taxus and cardiac surgery (SYNTAX) trial. <i>European Heart Journal</i> , <b>2012</b> , 33, 3105-13	9.5	94
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554	Coronary Hemodynamics in Patients With Severe Aortic Stenosis and Coronary Artery Disease Undergoing Transcatheter Aortic Valve Replacement: Implications for Clinical Indices of Coronary Stenosis Severity. <i>JACC: Cardiovascular Interventions</i> , <b>2018</b> , 11, 2019-2031	5	37
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552	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
551	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 TCEA (SECRET). <i>EuroIntervention</i> , <b>2012</b> , 8, 945-54	3.1	37
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