

# Carlo D Di Mario

## List of Publications by Year in descending order

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653  
papers

59,409  
citations

1371  
108  
h-index

1116  
231  
g-index

744  
all docs

744  
docs citations

744  
times ranked

31369  
citing authors

#	ARTICLE	IF	CITATIONS
1	ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation. <i>European Heart Journal</i> , 2012, 33, 2569-2619.	2.2	5,034
2	2013 ESC guidelines on the management of stable coronary artery disease. <i>European Heart Journal</i> , 2013, 34, 2949-3003.	2.2	3,915
3	2014 ESC Guidelines on the diagnosis and treatment of aortic diseases. <i>European Heart Journal</i> , 2014, 35, 2873-2926.	2.2	3,549
4	2019 ESC Guidelines on diabetes, pre-diabetes, and cardiovascular diseases developed in collaboration with the EASD. <i>European Heart Journal</i> , 2020, 41, 255-323.	2.2	2,811
5	Guidelines on myocardial revascularization: The Task Force on Myocardial Revascularization of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS). <i>European Heart Journal</i> , 2010, 31, 2501-2555.	2.2	2,649
6	Management of acute myocardial infarction in patients presenting with persistent ST-segment elevation. <i>European Heart Journal</i> , 2008, 29, 2909-2945.	2.2	2,128
7	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.	2.8	1,530
8	Temporary scaffolding of coronary arteries with bioabsorbable magnesium stents: a prospective, non-randomised multicentre trial. <i>Lancet, The</i> , 2007, 369, 1869-1875.	13.7	803
9	Expert review document on methodology, terminology, and clinical applications of optical coherence tomography: physical principles, methodology of image acquisition, and clinical application for assessment of coronary arteries and atherosclerosis. <i>European Heart Journal</i> , 2010, 31, 401-415.	2.2	758
10	Use of the Instantaneous Wave-free Ratio or Fractional Flow Reserve in PCI. <i>New England Journal of Medicine</i> , 2017, 376, 1824-1834.	27.0	742
11	Reduction of hospitalizations for myocardial infarction in Italy in the COVID-19 era. <i>European Heart Journal</i> , 2020, 41, 2083-2088.	2.2	716
12	Task Force on Sudden Cardiac Death of the European Society of Cardiology. <i>European Heart Journal</i> , 2001, 22, 1374-1450.	2.2	699
13	Randomized Study to Evaluate Sirolimus-Eluting Stents Implanted at Coronary Bifurcation Lesions. <i>Circulation</i> , 2004, 109, 1244-1249.	1.6	699
14	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> , 2008, 372, 1163-1173.	13.7	607
15	Development and Validation of a New Adenosine-Independent Index of Stenosis Severity From Coronary Waveâ€“Intensity Analysis. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1392-1402.	2.8	579
16	Immediate results and one-year clinical outcome after percutaneous coronary interventions in chronic total occlusions. <i>Journal of the American College of Cardiology</i> , 2003, 41, 1672-1678.	2.8	447
17	Percutaneous Left Atrial Appendage Transcatheter Occlusion (PLAATO System) to Prevent Stroke in High-Risk Patients With Non-Rheumatic Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2005, 46, 9-14.	2.8	446
18	Clinical use of intracoronary imaging. Part 1: guidance and optimization of coronary interventions. An expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. <i>European Heart Journal</i> , 2018, 39, 3281-3300.	2.2	431

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19	Percutaneous coronary intervention with everolimus-eluting bioresorbable vascular scaffolds in routine clinical practice: early and midterm outcomes from the European multicentre GHOST-EU registry. <i>EuroIntervention</i> , 2015, 10, 1144-1153.	3.2	411
20	Guidelines on myocardial revascularization. <i>European Journal of Cardio-thoracic Surgery</i> , 2010, 38, S1-S52.	1.4	405
21	Percutaneous Mitral Valve Edge-to-Edge Repair. <i>Journal of the American College of Cardiology</i> , 2014, 64, 875-884.	2.8	398
22	Cerebral Protection With Filter Devices During Carotid Artery Stenting. <i>Circulation</i> , 2001, 104, 12-15.	1.6	394
23	Drug-Eluting Bioabsorbable Magnesium Stent. <i>Journal of Interventional Cardiology</i> , 2004, 17, 391-395.	1.2	383
24	A randomized multicentre trial to compare revascularization with optimal medical therapy for the treatment of chronic total coronary occlusions. <i>European Heart Journal</i> , 2018, 39, 2484-2493.	2.2	380
25	Immediate angioplasty versus standard therapy with rescue angioplasty after thrombolysis in the Combined Abciximab REteplase Stent Study in Acute Myocardial Infarction (CARESS-in-AMI): an open, prospective, randomised, multicentre trial. <i>Lancet</i> , The, 2008, 371, 559-568.	13.7	371
26	Expert review document part 2: methodology, terminology and clinical applications of optical coherence tomography for the assessment of interventional procedures. <i>European Heart Journal</i> , 2012, 33, 2513-2520.	2.2	349
27	Consensus document on the radial approach in percutaneous cardiovascular interventions: position paper by the European Association of Percutaneous Cardiovascular Interventions and Working Groups on Acute Cardiac Care** and Thrombosis of the European Society of Cardiology. <i>EuroIntervention</i> , 2013, 8, 1242-1251.	3.2	336
28	Long-term clinical outcomes of biodegradable polymer biolimus-eluting stents versus durable polymer sirolimus-eluting stents in patients with coronary artery disease (LEADERS): 4 year follow-up of a randomised non-inferiority trial. <i>Lancet</i> , The, 2011, 378, 1940-1948.	13.7	321
29	Recanalisation of Chronic Total coronary Occlusions: 2012 consensus document from the EuroCTO club. <i>EuroIntervention</i> , 2012, 8, 139-145.	3.2	319
30	The appropriate and justified use of medical radiation in cardiovascular imaging: a position document of the ESC Associations of Cardiovascular Imaging, Percutaneous Cardiovascular Interventions and Electrophysiology. <i>European Heart Journal</i> , 2014, 35, 665-672.	2.2	301
31	In-hospital outcomes of percutaneous coronary intervention in patients with chronic total occlusion: insights from the ERCTO (European Registry of Chronic Total Occlusion) registry. <i>EuroIntervention</i> , 2011, 7, 472-479.	3.2	301
32	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. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, 777-789.	2.9	296
33	Subacute Stent Thrombosis in the Era of Intravascular Ultrasound-Guided Coronary Stenting Without Anticoagulation: Frequency, Predictors and Clinical Outcome. <i>Journal of the American College of Cardiology</i> , 1997, 29, 6-12.	2.8	277
34	Reperfusion therapy for ST elevation acute myocardial infarction 2010/2011: current status in 37 ESC countries. <i>European Heart Journal</i> , 2014, 35, 1957-1970.	2.2	275
35	Bifurcation lesions: two stents versus one stent—immediate and follow-up results. <i>Journal of the American College of Cardiology</i> , 2000, 35, 1145-1151.	2.8	268
36	Guiding Principles for Chronic Total Occlusion Percutaneous Coronary Intervention. <i>Circulation</i> , 2019, 140, 420-433.	1.6	263

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37	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.	13.7	263
38	Coronary Stenting After Rotational Atherectomy in Calcified and Complex Lesions. <i>Circulation</i> , 1997, 96, 128-136.	1.6	263
39	Long-Term Outcome of Percutaneous Coronary Intervention for Chronic Total Occlusions. <i>JACC: Cardiovascular Interventions</i> , 2011, 4, 952-961.	2.9	260
40	Angiographic and clinical outcome following coronary stenting of small vessels. <i>Journal of the American College of Cardiology</i> , 1998, 32, 1610-1618.	2.8	259
41	Angiographic and intravascular ultrasound predictors of in-stent restenosis. <i>Journal of the American College of Cardiology</i> , 1998, 32, 1630-1635.	2.8	257
42	Stented segment length as an independent predictor of restenosis. <i>Journal of the American College of Cardiology</i> , 1999, 34, 651-659.	2.8	256
43	Mechanism of Late In-Stent Restenosis After Implantation of a Paclitaxel Derivate“Eluting Polymer Stent System in Humans. <i>Circulation</i> , 2002, 106, 2649-2651.	1.6	253
44	European expert consensus on rotational atherectomy. <i>EuroIntervention</i> , 2015, 11, 30-36.	3.2	247
45	In-stent restenosis in small coronary arteries. <i>Journal of the American College of Cardiology</i> , 2002, 40, 403-409.	2.8	244
46	Prognostic Value of Intracoronary Flow Velocity and Diameter Stenosis in Assessing the Short- and Long-term Outcomes of Coronary Balloon Angioplasty. <i>Circulation</i> , 1997, 96, 3369-3377.	1.6	241
47	An optical coherence tomography study of a biodegradable vs. durable polymer-coated limus-eluting stent: a LEADERS trial sub-study. <i>European Heart Journal</i> , 2010, 31, 165-176.	2.2	239
48	Modified T-stenting technique with crushing for bifurcation lesions: Immediate results and 30-day outcome. <i>Catheterization and Cardiovascular Interventions</i> , 2003, 60, 145-151.	1.7	237
49	Safety and Effectiveness of Coronary Intravascular Lithotripsy for Treatment of Severely Calcified Coronary Stenoses. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e008434.	3.9	234
50	Long-Term Follow-Up of Elective Chronic Total Coronary Occlusion Angioplasty. <i>Journal of the American College of Cardiology</i> , 2014, 64, 235-243.	2.8	228
51	Feasibility of Shockwave Coronary Intravascular Lithotripsy for the Treatment of Calcified Coronary Stenoses. <i>Circulation</i> , 2019, 139, 834-836.	1.6	226
52	Single vs multivessel treatment during primary angioplasty: results of the multicentre randomised HEPacoatâ„¢ for cuLPrit or multivessel stenting for Acute Myocardial Infarction (HELP AMI) Study. <i>International Journal of Cardiovascular Interventions</i> , 2004, 6, 128-133.	0.5	220
53	Retrograde Recanalization of Chronic Total Occlusions in Europe. <i>Journal of the American College of Cardiology</i> , 2015, 65, 2388-2400.	2.8	214
54	Diagnostic Classification of the Instantaneous Wave-Free Ratio Is Equivalent to Fractional Flow Reserve and Is Not Improved With Adenosine Administration. <i>Journal of the American College of Cardiology</i> , 2013, 61, 1409-1420.	2.8	209

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55	Clinical application and image interpretation in intracoronary ultrasound. European Heart Journal, 1998, 19, 207-229.	2.2	202
56	Intravascular ultrasound criteria for the assessment of the functional significance of intermediate coronary artery stenoses and comparison with fractional flow reserve. American Journal of Cardiology, 2001, 87, 136-141.	1.6	199
57	Randomized Comparison of Coronary Stent Implantation Under Ultrasound or Angiographic Guidance to Reduce Stent Restenosis (OPTICUS Study). Circulation, 2001, 104, 1343-1349.	1.6	199
58	Results and Long-Term Predictors of Adverse Clinical Events After Elective Percutaneous Interventions on Unprotected Left Main Coronary Artery. Circulation, 2002, 106, 698-702.	1.6	199
59	Value of the SYNTAX Score for Risk Assessment in the All-Comers Population of the Randomized Multicenter LEADERS (Limus Eluted from A Durable versus ERodable Stent coating) Trial. Journal of the American College of Cardiology, 2010, 56, 272-277.	2.8	198
60	Recombinant Apolipoprotein A-IMilanoInfusion Into Rabbit Carotid Artery Rapidly Removes Lipid From Fatty Streaks. Circulation Research, 2002, 90, 974-980.	4.5	192
61	Clinical use of intracoronary imaging. Part 2: acute coronary syndromes, ambiguous coronary angiography findings, and guiding interventional decision-making: an expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. European Heart Journal, 2019, 40, 2566-2584.	2.2	189
62	First Clinical Experience With a Paclitaxel Derivateâ€“Eluting Polymer Stent System Implantation for In-Stent Restenosis. Circulation, 2002, 105, 1883-1886.	1.6	188
63	Cutting balloon versus conventional balloon angioplasty for the treatment of in-stent restenosis. Journal of the American College of Cardiology, 2004, 43, 943-949.	2.8	187
64	Optical Coherence Tomography Characterization of Coronary Lithoplasty for Treatment of Calcified Lesions. JACC: Cardiovascular Imaging, 2017, 10, 897-906.	5.3	183
65	X-Sizer for Thrombectomy in Acute Myocardial Infarction Improves ST-Segment Resolution. Journal of the American College of Cardiology, 2005, 46, 246-252.	2.8	181
66	Three-dimensional reconstruction of intracoronary ultrasound images. Rationale, approaches, problems, and directions.. Circulation, 1994, 90, 1044-1055.	1.6	179
67	Incomplete Stent Apposition Causes High Shear Flow Disturbances and Delay in Neointimal Coverage as a Function of Strut to Wall Detachment Distance. Circulation: Cardiovascular Interventions, 2014, 7, 180-189.	3.9	178
68	Short- and Intermediate-Term Results of <sup>32</sup> P Radioactive <sup>125</sup> I-Emitting Stent Implantation in Patients With Coronary Artery Disease. Circulation, 2000, 101, 18-26.	1.6	176
69	Association of Insulin Resistance, Hyperleptinemia, and Impaired Nitric Oxide Release With In-Stent Restenosis in Patients Undergoing Coronary Stenting. Circulation, 2003, 108, 2074-2081.	1.6	175
70	Emergency Polytetrafluoroethylene-Covered Stent Implantation to Treat Coronary Ruptures. Circulation, 2000, 102, 3028-3031.	1.6	174
71	European perspective in the recanalisation of Chronic Total Occlusions (CTO): consensus document from the EuroCTO Club. EuroIntervention, 2007, 3, 30-43.	3.2	173
72	Percutaneous recanalisation of chronic total occlusions: 2019 consensus document from the EuroCTO Club. EuroIntervention, 2019, 15, 198-208.	3.2	172

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73	Randomized Evaluation of Polytetrafluoroethylene-Covered Stent in Saphenous Vein Grafts. <i>Circulation</i> , 2003, 108, 37-42.	1.6	170
74	Early- and Long-Term Intravascular Ultrasound and Angiographic Findings After Bioabsorbable Magnesium Stent Implantation in Human Coronary Arteries. <i>JACC: Cardiovascular Interventions</i> , 2009, 2, 312-320.	2.9	170
75	Preliminary Observations Regarding Angiographic Pattern of Restenosis After Rapamycin-Eluting Stent Implantation. <i>Circulation</i> , 2003, 107, 2178-2180.	1.6	168
76	The 2011-12 pilot European Sentinel Registry of Transcatheter Aortic Valve Implantation: in-hospital results in 4,571 patients. <i>EuroIntervention</i> , 2013, 8, 1362-1371.	3.2	168
77	Long-Term Clinical Follow-Up After Successful Repeat Percutaneous Intervention for Stent Restenosis. <i>Journal of the American College of Cardiology</i> , 1997, 30, 186-192.	2.8	167
78	Edge Restenosis After Implantation of High Activity $^{32}\text{P}$ Radioactive $^{125}\text{I}$ -Emitting Stents. <i>Circulation</i> , 2000, 101, 2454-2457.	1.6	166
79	Early routine percutaneous coronary intervention after fibrinolysis vs. standard therapy in ST-segment elevation myocardial infarction: a meta-analysis. <i>European Heart Journal</i> , 2010, 31, 2156-2169.	2.2	165
80	Detection and Characterization of Vascular Lesions by Intravascular Ultrasound: An In Vitro Study Correlated with Histology. <i>Journal of the American Society of Echocardiography</i> , 1992, 5, 135-146.	2.8	162
81	Classification performance of instantaneous wave-free ratio (iFR) and fractional flow reserve in a clinical population of intermediate coronary stenoses: results of the ADVISE registry. <i>EuroIntervention</i> , 2013, 9, 91-101.	3.2	161
82	European experience with the retrograde approach for the recanalisation of coronary artery chronic total occlusions. A report on behalf of the EuroCTO club. <i>EuroIntervention</i> , 2008, 4, 84-92.	3.2	159
83	Routine use of cerebral protection during carotid artery stenting: results of a multicenter registry of 753 patients. <i>American Journal of Medicine</i> , 2004, 116, 217-222.	1.5	154
84	Baseline Instantaneous Wave-Free Ratio as a Pressure-Only Estimation of Underlying Coronary Flow Reserve. <i>Circulation: Cardiovascular Interventions</i> , 2014, 7, 492-502.	3.9	152
85	Burden of Coronary Artery Disease in Adults With Congenital Heart Disease and Its Relation to Congenital and Traditional Heart Risk Factors. <i>American Journal of Cardiology</i> , 2009, 103, 1445-1450.	1.6	147
86	Ischemia-Related Lesion Characteristics in Patients With Stable or Unstable Angina. <i>Circulation</i> , 1995, 92, 1408-1413.	1.6	147
87	Quantitative assessment with intracoronary ultrasound of the mechanisms of restenosis after percutaneous transluminal coronary angioplasty and directional coronary atherectomy. <i>American Journal of Cardiology</i> , 1995, 75, 772-777.	1.6	143
88	In-Stent Neointimal Proliferation Correlates With the Amount of Residual Plaque Burden Outside the Stent. <i>Circulation</i> , 1999, 99, 1011-1014.	1.6	143
89	Intracoronary pressure and flow velocity with sensor-tip guidewires: A new methodologic approach for assessment of coronary hemodynamics before and after coronary interventions. <i>American Journal of Cardiology</i> , 1993, 71, D41-D53.	1.6	140
90	Morphometric analysis in three-dimensional intracoronary ultrasound: An in vitro and in vivo study performed with a novel system for the contour detection of lumen and plaque. <i>American Heart Journal</i> , 1996, 132, 516-527.	2.7	137

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91	Impact of stent strut design in metallic stents and biodegradable scaffolds. International Journal of Cardiology, 2014, 177, 800-808.	1.7	136
92	Prevention of Distal Embolization During Saphenous Vein Graft Lesion Angioplasty. Circulation, 1999, 99, 3221-3223.	1.6	135
93	Update of the guidelines on sudden cardiac death of the European Society of Cardiology. European Heart Journal, 2003, 24, 13-15.	2.2	135
94	Comparative Validation of Quantitative Coronary Angiography Systems. Circulation, 1995, 91, 2174-2183.	1.6	134
95	Contemporary practice and technical aspects in coronary intervention with bioresorbable scaffolds: a European perspective. EuroIntervention, 2015, 11, 45-52.	3.2	131
96	The Efficacy of a Bilateral Approach for Treating Lesions With Chronic Total Occlusions. JACC: Cardiovascular Interventions, 2009, 2, 1135-1141.	2.9	130
97	Coronary artery stenting in the elderly: short-term outcome and long-term angiographic and clinical follow-up. Journal of the American College of Cardiology, 1998, 32, 577-583.	2.8	125
98	Summary of Recommendations. Europace, 2002, 4, 3-18.	1.7	124
99	The influence of strut thickness and cell design on immediate apposition of drug-eluting stents assessed by optical coherence tomography. International Journal of Cardiology, 2009, 134, 180-188.	1.7	123
100	Cutting balloon angioplasty for the treatment of in-stent restenosis: a matched comparison with rotational atherectomy, additional stent implantation and balloon angioplasty. Journal of the American College of Cardiology, 2001, 38, 672-679.	2.8	122
101	Delayed Coverage in Malapposed and Side-Branch Struts With Respect to Well-Apposed Struts in Drug-Eluting Stents. Circulation, 2011, 124, 612-623.	1.6	122
102	Tissue coverage of a hydrophilic polymer-coated zotarolimus-eluting stent vs. a fluoropolymer-coated everolimus-eluting stent at 13-month follow-up: an optical coherence tomography substudy from the RESOLUTE All Comers trial. European Heart Journal, 2011, 32, 2454-2463.	2.2	121
103	Stenting After Optimal Lesion Debulking (SOLD) Registry. Circulation, 1998, 98, 1604-1609.	1.6	115
104	ABSORB Biodegradable Stents Versus Second-Generation Metal Stents. JACC: Cardiovascular Interventions, 2014, 7, 741-750.	2.9	115
105	In-vivo validation of on-line and off-line geometric coronary measurements using insertion of stenosis phantoms in porcine coronary arteries. Catheterization and Cardiovascular Diagnosis, 1992, 27, 16-27.	0.3	112
106	Proximal Endovascular Flow Blockage for Cerebral Protection During Carotid Artery Stenting: Results From a Prospective Multicenter Registry. Journal of Endovascular Therapy, 2005, 12, 156-165.	1.5	112
107	Vascular Tissue Reaction to Acute Malapposition in Human Coronary Arteries. Circulation: Cardiovascular Interventions, 2012, 5, 20-29.	3.9	112
108	Kissing Balloon or Sequential Dilation of the Side Branch and Main Vessel for Provisional Stenting of Bifurcations. JACC: Cardiovascular Interventions, 2012, 5, 47-56.	2.9	111



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109	Safety of the Deferral of Coronary Revascularization on the Basis of Instantaneous Wave-Free Ratio and Fractional Flow Reserve Measurements in Stable Coronary Artery Disease and Acute Coronary Syndromes. JACC: Cardiovascular Interventions, 2018, 11, 1437-1449.	2.9	111
110	Elective versus provisional intra-aortic balloon pumping in high-risk percutaneous transluminal coronary angioplasty. American Heart Journal, 2003, 145, 700-707.	2.7	110
111	Value of Age, Creatinine, and Ejection Fraction (ACEF Score) in Assessing Risk in Patients Undergoing Percutaneous Coronary Interventions in the "All-Comers" LEADERS Trial. Circulation: Cardiovascular Interventions, 2011, 4, 47-56.	3.9	109
112	Direct coronary stenting without predilation. Journal of the American College of Cardiology, 1999, 34, 1910-1915.	2.8	108
113	Pre-Angioplasty Instantaneous Wave-Free Ratio Pullback Provides Virtual Intervention and Predicts Hemodynamic Outcome for Serial Lesions and Diffuse Coronary Artery Disease. JACC: Cardiovascular Interventions, 2014, 7, 1386-1396.	2.9	107
114	Improved cardiac survival, freedom from mace and angina-related quality of life after successful percutaneous recanalization of coronary artery chronic total occlusions. International Journal of Cardiology, 2012, 161, 31-38.	1.7	106
115	Optical coherence tomography in coronary atherosclerosis assessment and intervention. Nature Reviews Cardiology, 2022, 19, 684-703.	13.7	106
116	Does the specific intravascular ultrasound criterion used to optimize stent expansion have an impact on the probability of stent restenosis?. American Journal of Cardiology, 1999, 83, 1012-1017.	1.6	105
117	Temporal Trends in Chronic Total Occlusion Interventions in Europe. Circulation: Cardiovascular Interventions, 2018, 11, e006229.	3.9	105
118	Intravascular optical coherence tomography: optimisation of image acquisition and quantitative assessment of stent strut apposition. EuroIntervention, 2007, 3, 128-36.	3.2	104
119	Uric acid does not affect the prevalence and extent of coronary artery disease. Results from a prospective study. Nutrition, Metabolism and Cardiovascular Diseases, 2012, 22, 426-433.	2.6	103
120	Validation of quantitative analysis of intravascular ultrasound images. International Journal of Cardiovascular Imaging, 1991, 6, 247-253.	0.6	101
121	The Impact of Patient and Lesion Complexity on Clinical and Angiographic Outcomes After Revascularization With Zotarolimus- and Everolimus-Eluting Stents. Journal of the American College of Cardiology, 2011, 57, 2221-2232.	2.8	101
122	Hybrid iFR-FFR decision-making strategy: implications for enhancing universal adoption of physiology-guided coronary revascularisation. EuroIntervention, 2013, 8, 1157-1165.	3.2	99
123	A Randomized Trial of External Stenting for Saphenous Vein Grafts in Coronary Artery Bypass Grafting. Annals of Thoracic Surgery, 2015, 99, 2039-2045.	1.3	95
124	Appropriateness of percutaneous revascularization of coronary chronic total occlusions: an overview. European Heart Journal, 2016, 37, 2692-2700.	2.2	95
125	Pre-Angioplasty Instantaneous Wave-Free Ratio Pullback Predicts Hemodynamic Outcome In Humans With Coronary Artery Disease. JACC: Cardiovascular Interventions, 2018, 11, 757-767.	2.9	95
126	Polytetrafluoroethylene-covered stent and coronary artery aneurysms. Catheterization and Cardiovascular Interventions, 2002, 55, 326-330.	1.7	92



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127	Mechanisms of Myocardial Ischemia in Hypertrophic Cardiomyopathy. Journal of the American College of Cardiology, 2016, 68, 1651-1660.	2.8	92
128	Retrograde approach to coronary chronic total occlusions: preliminary single European centre experience. EuroIntervention, 2007, 3, 181-187.	3.2	92
129	Clinical use of intracoronary imaging. Part 1: guidance and optimization of coronary interventions. An expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. EuroIntervention, 2018, 14, 656-677.	3.2	92
130	Predictors of diffuse and aggressive intra-stent restenosis. Journal of the American College of Cardiology, 2001, 37, 1019-1025.	2.8	90
131	7-Hexanoyltaxolol "Eluting Stent for Prevention of Neointimal Growth. Circulation, 2002, 106, 1788-1793.	1.6	89
132	Optical coherence tomography for guidance of distal cell recrossing in bifurcation stenting: choosing the right cell matters. EuroIntervention, 2012, 8, 205-213.	3.2	89
133	Final proximal post-dilatation is necessary after kissing balloon in bifurcation stenting. EuroIntervention, 2011, 7, 597-604.	3.2	87
134	Safety and efficacy of biodegradable vs. durable polymer drug-eluting stents: evidence from a meta-analysis of randomised trials. EuroIntervention, 2011, 7, 985-994.	3.2	87
135	Comparison of Immediate and Intermediate-Term Results of Intravascular Ultrasound Versus Angiography-Guided Palmaz-Schatz Stent Implantation in Matched Lesions. Circulation, 1997, 96, 2997-3005.	1.6	86
136	Randomized Comparison of Elective Stent Implantation and Coronary Balloon Angioplasty Guided by Online Quantitative Angiography and Intracoronary Doppler. Circulation, 2000, 102, 2938-2944.	1.6	84
137	Maximal expansion capacity with current DES platforms: a critical factor for stent selection in the treatment of left main bifurcations?. EuroIntervention, 2013, 8, 1315-1325.	3.2	83
138	Comparison of diamond-like carbon-coated stents versus uncoated stainless steel stents in coronary artery disease. American Journal of Cardiology, 2004, 93, 474-477.	1.6	81
139	Optical coherence tomography: from research to practice. European Heart Journal Cardiovascular Imaging, 2012, 13, 370-384.	1.2	81
140	Frequency and predictors of contrast-induced nephropathy after angioplasty for chronic total occlusions. International Journal of Cardiology, 2010, 139, 68-74.	1.7	80
141	Slope of the instantaneous hyperemic diastolic coronary flow velocity-pressure relation. A new index for assessment of the physiological significance of coronary stenosis in humans.. Circulation, 1994, 90, 1215-1224.	1.6	79
142	Effects of Selective $\beta_1$ - and $\beta_2$ -Adrenergic Blockade on Coronary Flow Reserve After Coronary Stenting. Circulation, 2002, 106, 2901-2907.	1.6	77
143	Outcome after percutaneous edge-to-edge mitral repair for functional and degenerative mitral regurgitation: a systematic review and meta-analysis. Heart, 2018, 104, 306-312.	2.9	77
144	A multicentre evaluation of the safety of intracoronary optical coherence tomography. EuroIntervention, 2009, 5, 90-95.	3.2	77

#	ARTICLE	IF	CITATIONS
145	Intravascular ultrasound-guided percutaneous transluminal coronary angioplasty with provisional spot stenting for treatment of long coronary lesions. Journal of the American College of Cardiology, 2001, 38, 1427-1433.	2.8	73
146	Utility of Intravascular Ultrasound in Percutaneous Revascularization of Chronic Total Occlusions. JACC: Cardiovascular Interventions, 2016, 9, 1979-1991.	2.9	72
147	Over-expansion capacity and stent design model: An update with contemporary DES platforms. International Journal of Cardiology, 2016, 221, 171-179.	1.7	71
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