

Emanuele Barbato

List of Publications by Citations

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248
papers

23,903
citations

52
h-index

153
g-index

268
ext. papers

33,176
ext. citations

5.9
avg, IF

5.97
L-index

#	Paper	IF	Citations
248	2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation: The Task Force for the management of acute myocardial infarction in patients presenting with ST-segment elevation of the European Society of Cardiology (ESC). <i>European Heart Journal</i> , 2018, 39, 119-177	9.5	4237
247	2018 ESC/ESH Guidelines for the management of arterial hypertension. <i>European Heart Journal</i> , 2018, 39, 3021-3104	9.5	3698
246	2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. <i>European Heart Journal</i> , 2020, 41, 407-477	9.5	1835
245	Fractional flow reserve-guided PCI versus medical therapy in stable coronary disease. <i>New England Journal of Medicine</i> , 2012, 367, 991-1001	59.2	1655
244	2017 ESC focused update on dual antiplatelet therapy in coronary artery disease developed in collaboration with EACTS: The Task Force for dual antiplatelet therapy in coronary artery disease of the European Society of Cardiology (ESC) and of the European Association for Cardio-Thoracic Surgery (EACTS). <i>European Heart Journal</i> , 2018, 39, 213-260	9.5	1475
243	2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. <i>European Heart Journal</i> , 2021, 42, 1289-1367	9.5	920
242	Fourth universal definition of myocardial infarction (2018).. <i>European Heart Journal</i> , 2019, 40, 237-269	9.5	851
241	Fractional flow reserve-guided PCI for stable coronary artery disease. <i>New England Journal of Medicine</i> , 2014, 371, 1208-17	59.2	672
240	Prognostic value of fractional flow reserve: linking physiologic severity to clinical outcomes. <i>Journal of the American College of Cardiology</i> , 2014, 64, 1641-54	15.1	361
239	Five-Year Outcomes with PCI Guided by Fractional Flow Reserve. <i>New England Journal of Medicine</i> , 2018, 379, 250-259	59.2	346
238	Fractional flow reserve versus angiography for guidance of PCI in patients with multivessel coronary artery disease (FAME): 5-year follow-up of a randomised controlled trial. <i>Lancet, The</i> , 2015, 386, 1853-60	40	295
237	Long-term clinical outcome after fractional flow reserve-guided treatment in patients with angiographically equivocal left main coronary artery stenosis. <i>Circulation</i> , 2009, 120, 1505-12	16.7	277
236	Intracoronary and intravenous adenosine 50-triphosphate, adenosine, papaverine, and contrast medium to assess fractional flow reserve in humans. <i>Circulation</i> , 2003, 107, 1877-83	16.7	274
235	Coronary thermodilution to assess flow reserve: validation in humans. <i>Circulation</i> , 2002, 105, 2482-6	16.7	225
234	Diagnostic Accuracy of Fast Computational Approaches to Derive Fractional Flow Reserve From Diagnostic Coronary Angiography: The International Multicenter FAVOR Pilot Study. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 2024-2035	5	224
233	Fractional flow reserve for the assessment of nonculprit coronary artery stenoses in patients with acute myocardial infarction. <i>JACC: Cardiovascular Interventions</i> , 2010, 3, 1274-81	5	222
232	A Genotype-Guided Strategy for Oral P2Y Inhibitors in Primary PCI. <i>New England Journal of Medicine</i> , 2019, 381, 1621-1631	59.2	219

231	Fractional flow reserve calculation from 3-dimensional quantitative coronary angiography and TIMI frame count: a fast computer model to quantify the functional significance of moderately obstructed coronary arteries. <i>JACC: Cardiovascular Interventions</i> , 2014 , 7, 768-77	5	205
230	Percutaneous Intervention for Concurrent Chronic Total Occlusions in Patients With STEMI: The EXPLORE Trial. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1622-1632	15.1	205
229	Evolving concepts of angiogram: fractional flow reserve discordances in 4000 coronary stenoses. <i>European Heart Journal</i> , 2014 , 35, 2831-8	9.5	183
228	European expert consensus on rotational atherectomy. <i>EuroIntervention</i> , 2015 , 11, 30-6	3.1	169
227	VERIFY (VERification of Instantaneous Wave-Free Ratio and Fractional Flow Reserve for the Assessment of Coronary Artery Stenosis Severity in EverydaY Practice): a multicenter study in consecutive patients. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 1421-7	15.1	160
226	Elevated myocardial and lymphocyte GRK2 expression and activity in human heart failure. <i>European Heart Journal</i> , 2005 , 26, 1752-8	9.5	153
225	Optical coherence tomography imaging during percutaneous coronary intervention impacts physician decision-making: ILUMIEN I study. <i>European Heart Journal</i> , 2015 , 36, 3346-55	9.5	140
224	Clinical Outcomes and Cost-Effectiveness of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention in Patients With Stable Coronary Artery Disease: Three-Year Follow-Up of the FAME 2 Trial (Fractional Flow Reserve Versus Angiography for Multivessel Evaluation). <i>Circulation</i> , 2018 , 137, 488-497	16.7	129
223	Fractional flow reserve-guided versus angiography-guided coronary artery bypass graft surgery. <i>Circulation</i> , 2013 , 128, 1405-11	16.7	126
222	A randomized, prospective, intercontinental evaluation of a bioresorbable polymer sirolimus-eluting coronary stent system: the CENTURY II (Clinical Evaluation of New Terumo Drug-Eluting Coronary Stent System in the Treatment of Patients with Coronary Artery Disease) trial. <i>European Heart Journal</i> , 2014 , 35, 2021-31	9.5	124
221	Standardization of Fractional Flow Reserve Measurements. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 742-53	15.1	106
220	Comparison of Different Diastolic Resting Indexes to iFR: Are They All Equal?. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 3088-3096	15.1	101
219	Revascularization decisions in patients with stable angina and intermediate lesions: results of the international survey on interventional strategy. <i>Circulation: Cardiovascular Interventions</i> , 2014 , 7, 751-9	6	101
218	Outcome comparison of 600- and 300-mg loading doses of clopidogrel in patients undergoing primary percutaneous coronary intervention for ST-segment elevation myocardial infarction: results from the ARMYDA-6 MI (Antiplatelet therapy for Reduction of MYocardial Damage during Angioplasty Myocardial Infarction) randomized study. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 1217-25	15.1	97
217	Continuum of Vasodilator Stress From Rest to Contrast Medium to Adenosine Hyperemia for Fractional Flow Reserve Assessment. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, 757-767	5	96
216	Validation of coronary flow reserve measurements by thermodilution in clinical practice. <i>European Heart Journal</i> , 2004 , 25, 219-23	9.5	95
215	Fractional flow reserve-guided percutaneous coronary intervention vs. medical therapy for patients with stable coronary lesions: meta-analysis of individual patient data. <i>European Heart Journal</i> , 2019 , 40, 180-186	9.5	90
214	Significance of Intermediate Values of Fractional Flow Reserve in Patients With Coronary Artery Disease. <i>Circulation</i> , 2016 , 133, 502-8	16.7	87

213	Intracoronary Adenosine: Dose-Response Relationship With Hyperemia. <i>JACC: Cardiovascular Interventions</i> , 2015 , 8, 1422-1430	5	81
212	Interference of drug-eluting stents with endothelium-dependent coronary vasomotion: evidence for device-specific responses. <i>Circulation: Cardiovascular Interventions</i> , 2008 , 1, 193-200	6	78
211	State of the art: evolving concepts in the treatment of heavily calcified and undilatable coronary stenoses - from debulking to plaque modification, a 40-year-long journey. <i>EuroIntervention</i> , 2017 , 13, 696-705	3.1	74
210	A Prospective Natural History Study of Coronary Atherosclerosis Using Fractional Flow Reserve. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 2247-2255	15.1	73
209	Direct stenting for stable angina pectoris is associated with reduced periprocedural microcirculatory injury compared with stenting after pre-dilation. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 1060-5	15.1	71
208	A therapeutic window for platelet reactivity for patients undergoing elective percutaneous coronary intervention: results of the ARMYDA-PROVE (Antiplatelet therapy for Reduction of MYocardial Damage during Angioplasty-Platelet Reactivity for Outcome Validation Effort) study. <i>JACC: Cardiovascular Interventions</i> , 2012 , 5, 201-8	5	69
207	Long-term follow-up after fractional flow reserve-guided treatment strategy in patients with an isolated proximal left anterior descending coronary artery stenosis. <i>JACC: Cardiovascular Interventions</i> , 2011 , 4, 1175-82	5	69
206	Cost-effectiveness of percutaneous coronary intervention in patients with stable coronary artery disease and abnormal fractional flow reserve. <i>Circulation</i> , 2013 , 128, 1335-40	16.7	65
205	Comparison of platelet reactivity and periprocedural outcomes in patients with versus without diabetes mellitus and treated with clopidogrel and percutaneous coronary intervention. <i>American Journal of Cardiology</i> , 2010 , 106, 619-23	3	65
204	Long-term clinical outcome after fractional flow reserve-guided percutaneous coronary revascularization in patients with small-vessel disease. <i>Circulation: Cardiovascular Interventions</i> , 2012 , 5, 62-8	6	64
203	Prognostic Value of Fractional Flow Reserve Measured Immediately After Drug-Eluting Stent Implantation. <i>Circulation: Cardiovascular Interventions</i> , 2017 , 10,	6	62
202	Novel antiplatelet agents: ALX-0081, a Nanobody directed towards von Willebrand Factor. <i>Journal of Cardiovascular Translational Research</i> , 2013 , 6, 355-63	3.3	60
201	Catheter-Based Measurements of Absolute Coronary Blood Flow and Microvascular Resistance: Feasibility, Safety, and Reproducibility in Humans. <i>Circulation: Cardiovascular Interventions</i> , 2018 , 11, e006194	6	59
200	Relation of low response to clopidogrel assessed with point-of-care assay to periprocedural myonecrosis in patients undergoing elective coronary stenting for stable angina pectoris. <i>American Journal of Cardiology</i> , 2008 , 101, 1700-3	3	59
199	Role of beta2 adrenergic receptors in human atherosclerotic coronary arteries. <i>Circulation</i> , 2005 , 111, 288-94	16.7	59
198	High residual platelet reactivity after clopidogrel: extent of coronary atherosclerosis and periprocedural myocardial infarction in patients with stable angina undergoing percutaneous coronary intervention. <i>JACC: Cardiovascular Interventions</i> , 2010 , 3, 35-40	5	55
197	A Multidisciplinary Approach on the Perioperative Antithrombotic Management of Patients With Coronary Stents Undergoing Surgery: Surgery After Stenting 2. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, 417-434	5	52
196	Evolving Routine Standards in Invasive Hemodynamic Assessment of Coronary Stenosis: The Nationwide Italian SICI-GISE Cross-Sectional ERIS Study. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, 1482-1491	5	51

195	Point-of-care assessment of platelet reactivity after clopidogrel to predict myonecrosis in patients undergoing percutaneous coronary intervention. <i>JACC: Cardiovascular Interventions</i> , 2010 , 3, 318-23	5	50
194	Rationale and design of EXPLORE: a randomized, prospective, multicenter trial investigating the impact of recanalization of a chronic total occlusion on left ventricular function in patients after primary percutaneous coronary intervention for acute ST-elevation myocardial infarction. <i>Trials</i> , 2010 , 11, 1-10	2.8	48
193	Comparison of 600 versus 300-mg Clopidogrel loading dose in patients with ST-segment elevation myocardial infarction undergoing primary coronary angioplasty. <i>American Journal of Cardiology</i> , 2010 , 106, 1208-11	3	47
192	Six-Year Follow-Up of Fractional Flow Reserve-Guided Versus Angiography-Guided Coronary Artery Bypass Graft Surgery. <i>Circulation: Cardiovascular Interventions</i> , 2018 , 11, e006368	6	46
191	Direct stenting. <i>European Heart Journal</i> , 2003 , 24, 394-403	9.5	45
190	Assessment of renal flow and flow reserve in humans. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 620-5	15.1	44
189	Long-term clinical outcome after fractional flow reserve- versus angio-guided percutaneous coronary intervention in patients with intermediate stenosis of coronary artery bypass grafts. <i>American Heart Journal</i> , 2013 , 166, 110-8	4.9	41
188	Effects of intravenous dobutamine on coronary vasomotion in humans. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 1596-601	15.1	40
187	Prognostic Value of QFR Measured Immediately After Successful Stent Implantation: The International Multicenter Prospective HAWKEYE Study. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 2079-2088	5	39
186	Long-term impact of chronic total occlusion recanalisation in patients with ST-elevation myocardial infarction. <i>Heart</i> , 2018 , 104, 1432-1438	5.1	39
185	Design and rationale of the Management of High Bleeding Risk Patients Post Bioresorbable Polymer Coated Stent Implantation With an Abbreviated Versus Standard DAPT Regimen (MASTER DAPT) Study. <i>American Heart Journal</i> , 2019 , 209, 97-105	4.9	39
184	A randomised comparison of novolimus-eluting and zotarolimus-eluting coronary stents: 9-month follow-up results of the EXCELLA II study. <i>EuroIntervention</i> , 2010 , 6, 195-205	3.1	37
183	Saline-Induced Coronary Hyperemia: Mechanisms and Effects on Left Ventricular Function. <i>Circulation: Cardiovascular Interventions</i> , 2017 , 10,	6	36
182	Development of Left Ventricular Hypertrophy in Treated Hypertensive Outpatients: The Campania Salute Network. <i>Hypertension</i> , 2017 , 69, 136-142	8.5	36
181	Measurement of Hyperemic Pullback Pressure Gradients to Characterize Patterns of Coronary Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 1772-1784	15.1	36
180	Impact of Right Atrial Pressure on Fractional Flow Reserve Measurements: Comparison of Fractional Flow Reserve and Myocardial Fractional Flow Reserve in 1,600 Coronary Stenoses. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, 453-9	5	36
179	Effective radiation dose, time, and contrast medium to measure fractional flow reserve. <i>JACC: Cardiovascular Interventions</i> , 2010 , 3, 821-7	5	35
178	Role of adrenergic receptors in human coronary vasomotion. <i>Heart</i> , 2009 , 95, 603-8	5.1	35

177	Intracoronary EnalaPrilat to Reduce MICROvascular Damage During Percutaneous Coronary Intervention (ProMicro) study. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 615-21	15.1	34
176	Influence of rs5065 atrial natriuretic peptide gene variant on coronary artery disease. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1763-70	15.1	34
175	Complete revascularization reduces cardiovascular death in patients with ST-segment elevation myocardial infarction and multivessel disease: systematic review and meta-analysis of randomized clinical trials. <i>European Heart Journal</i> , 2020 , 41, 4103-4110	9.5	33
174	Angiography Versus Hemodynamics to Predict the Natural History of Coronary Stenoses: Fractional Flow Reserve Versus Angiography in Multivessel Evaluation 2 Substudy. <i>Circulation</i> , 2018 , 137, 1475-1485	16.7	33
173	Graft patency after FFR-guided versus angiography-guided coronary artery bypass grafting: the GRAFFITI trial. <i>EuroIntervention</i> , 2019 , 15, e999-e1005	3.1	32
172	Contrast-induced nephropathy in patients undergoing primary percutaneous coronary intervention without acute left ventricular ejection fraction impairment. <i>American Journal of Cardiology</i> , 2013 , 111, 684-8	3	31
171	C2238 atrial natriuretic peptide molecular variant is associated with endothelial damage and dysfunction through natriuretic peptide receptor C signaling. <i>Circulation Research</i> , 2013 , 112, 1355-64	15.7	31
170	Targeted therapy with a localised abluminal groove, low-dose sirolimus-eluting, biodegradable polymer coronary stent (TARGET All Comers): a multicentre, open-label, randomised non-inferiority trial. <i>Lancet, The</i> , 2018 , 392, 1117-1126	4.0	31
169	Relationship between peripheral arterial reactive hyperemia and residual platelet reactivity after 600 mg clopidogrel. <i>Journal of Thrombosis and Thrombolysis</i> , 2011 , 32, 64-71	5.1	30
168	Relation of endothelial function to residual platelet reactivity after clopidogrel in patients with stable angina pectoris undergoing percutaneous coronary intervention. <i>American Journal of Cardiology</i> , 2010 , 105, 333-8	3	30
167	Agreement of the Resting Distal to 'Aortic' Coronary Pressure With the 'Instantaneous Wave-Free Ratio. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 2105-2113	15.1	29
166	Fractional Flow Reserve-Guided Revascularization in Patients With Aortic Stenosis. <i>American Journal of Cardiology</i> , 2016 , 117, 1511-5	3	29
165	Quantitative angiography and optical coherence tomography for the functional assessment of nonobstructive coronary stenoses: comparison with fractional flow reserve. <i>American Heart Journal</i> , 2013 , 166, 1010-1018.e1	4.9	29
164	Pressure-derived measurement of coronary flow reserve. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 216-20	15.1	28
163	Insulin enhances endothelial alpha2-adrenergic vasorelaxation by a pertussis toxin mechanism. <i>Hypertension</i> , 1997 , 30, 1128-34	8.5	28
162	Thrombus aspiration in primary percutaneous coronary intervention in high-risk patients with ST-elevation myocardial infarction: a real-world registry. <i>Catheterization and Cardiovascular Interventions</i> , 2010 , 76, 70-6	2.7	27
161	Association of Improvement in Fractional Flow Reserve With Outcomes, Including Symptomatic Relief, After Percutaneous Coronary Intervention. <i>JAMA Cardiology</i> , 2019 , 4, 370-374	16.2	26
160	Imaging in ESC clinical guidelines: chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1187-1197	4.1	26

159	Impact of chronic kidney disease on platelet reactivity and outcomes of patients receiving clopidogrel and undergoing percutaneous coronary intervention. <i>American Journal of Cardiology</i> , 2014 , 113, 1124-9	3	26
158	Clopidogrel Versus Ticagrelor for Antiplatelet Maintenance in Diabetic Patients Treated With Percutaneous Coronary Intervention: Results of the CLOTILDA Study (Clopidogrel High Dose Versus Ticagrelor for Antiplatelet Maintenance in Diabetic Patients). <i>Circulation</i> , 2016 , 134, 835-7	16.7	25
157	Visual and Quantitative Assessment of Coronary Stenoses at Angiography Versus Fractional Flow Reserve: The Impact of Risk Factors. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	25
156	In concomitant coronary and peripheral arterial disease, inflammation of the affected limbs predicts coronary artery endothelial dysfunction. <i>Atherosclerosis</i> , 2008 , 201, 440-6	3.1	25
155	Tissue doppler imaging predicts recovery of left ventricular function after recanalization of an occluded coronary artery. <i>Journal of the American College of Cardiology</i> , 2004 , 43, 85-91	15.1	25
154	Predictive factors of discordance between the instantaneous wave-free ratio and fractional flow reserve. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 94, 356-363	2.7	24
153	Relationship of asymmetric dimethylarginine (ADMA) with extent and functional severity of coronary atherosclerosis. <i>International Journal of Cardiology</i> , 2016 , 220, 629-33	3.2	24
152	Thr164Ile polymorphism of beta2-adrenergic receptor negatively modulates cardiac contractility: implications for prognosis in patients with idiopathic dilated cardiomyopathy. <i>Heart</i> , 2007 , 93, 856-61	5.1	24
151	Cardiac betaARK1 upregulation induced by chronic salt deprivation in rats. <i>Hypertension</i> , 2001 , 38, 255-60	6.5	24
150	New Volumetric Analysis Method for Stent Expansion and its Correlation With Final Fractional Flow Reserve and Clinical Outcome: An ILUMIEN I Substudy. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, 1467-1478	23	23
149	In vivo flow simulation at coronary bifurcation reconstructed by fusion of 3-dimensional X-ray angiography and optical coherence tomography. <i>Circulation: Cardiovascular Interventions</i> , 2013 , 6, e15-7	6	23
148	Human coronary atherosclerosis modulates cardiac natriuretic peptide release. <i>Atherosclerosis</i> , 2009 , 206, 258-64	3.1	23
147	Systemic hypertension and coronary artery disease: the link. <i>American Journal of Cardiology</i> , 1998 , 82, 2H-7H	3	23
146	The age, creatinine, and ejection fraction score to risk stratify patients who underwent percutaneous coronary intervention of coronary chronic total occlusion. <i>American Journal of Cardiology</i> , 2014 , 114, 1158-64	3	22
145	Comparison of drug-eluting versus bare-metal stents after rotational atherectomy for the treatment of calcified coronary lesions. <i>International Journal of Cardiology</i> , 2012 , 154, 373-6	3.2	22
144	Novel Indices of Coronary Physiology: Do We Need Alternatives to Fractional Flow Reserve?. <i>Circulation: Cardiovascular Interventions</i> , 2020 , 13, e008487	6	21
143	Procedural myocardial injury, infarction and mortality in patients undergoing elective PCI: a pooled analysis of patient-level data. <i>European Heart Journal</i> , 2021 , 42, 323-334	9.5	21
142	ACEF and clinical SYNTAX score in the risk stratification of patients with heavily calcified coronary stenosis undergoing rotational atherectomy with stent implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2014 , 83, 1067-73	2.7	20

141	Long-term clinical outcome in patients with small vessel disease treated with drug-eluting versus bare-metal stenting. <i>American Heart Journal</i> , 2011 , 162, 907-13	4.9	20
140	Clinical Outcomes Following Coronary Bifurcation PCI Techniques: A Systematic Review and Network Meta-Analysis Comprising 5,711 Patients. <i>JACC: Cardiovascular Interventions</i> , 2020 , 13, 1432-1444	5.4	19
139	Alpha-adrenergic receptor blockade and hyperaemic response in patients with intermediate coronary stenoses. <i>European Heart Journal</i> , 2004 , 25, 2034-9	9.5	19
138	von Willebrand factor inhibition improves endothelial function in patients with stable angina. <i>Journal of Cardiovascular Translational Research</i> , 2013 , 6, 364-70	3.3	18
137	Long-term effect of molsidomine, a direct nitric oxide donor, as an add-on treatment, on endothelial dysfunction in patients with stable angina pectoris undergoing percutaneous coronary intervention: results of the MEDCOR trial. <i>Atherosclerosis</i> , 2015 , 240, 351-4	3.1	17
136	From SYNTAX to FAME, a paradigm shift in revascularization strategies: the key role of fractional flow reserve in guiding myocardial revascularization. <i>Journal of Cardiovascular Medicine</i> , 2011 , 12, 538-42	1.9	17
135	Thresholds for platelet reactivity to predict clinical events after coronary intervention are different in patients with and without diabetes mellitus. <i>Platelets</i> , 2014 , 25, 348-56	3.6	16
134	GLU-27 variant of beta2-adrenergic receptor polymorphisms is an independent risk factor for coronary atherosclerotic disease. <i>Atherosclerosis</i> , 2007 , 194, e80-6	3.1	16
133	Mid-term outcomes after percutaneous interventions in coronary bifurcations. <i>International Journal of Cardiology</i> , 2019 , 283, 78-83	3.2	16
132	Periprocedural Myocardial Injury and Long-Term Clinical Outcome in Patients Undergoing Percutaneous Coronary Interventions of Coronary Chronic Total Occlusion. <i>Journal of Invasive Cardiology</i> , 2016 , 28, 410-414	0.7	16
131	Correlation between Angiographic and Physiologic Evaluation of Coronary Artery Narrowings in Patients With Aortic Valve Stenosis. <i>American Journal of Cardiology</i> , 2017 , 120, 106-110	3	15
130	Influence of transradial versus transfemoral diagnostic heart catheterisation on peripheral vascular endothelial function. <i>EuroIntervention</i> , 2013 , 8, 1252-8	3.1	15
129	Fractional flow reserve to guide and to assess coronary artery bypass grafting. <i>European Heart Journal</i> , 2017 , 38, 1959-1968	9.5	15
128	Long Coronary Lesions Treated With Thin Strut Bioresorbable Polymer Drug Eluting Stent: Experience From Multicentre Randomized CENTURY II Study. <i>Journal of Interventional Cardiology</i> , 2016 , 29, 47-56	1.8	15
127	Fractional Flow Reserve-Based Coronary Artery Bypass Surgery: Current Evidence and Future Directions. <i>JACC: Cardiovascular Interventions</i> , 2020 , 13, 1086-1096	5	14
126	Impact of alpha- and beta-adrenergic receptor blockers on fractional flow reserve and index of microvascular resistance. <i>Journal of Cardiovascular Translational Research</i> , 2014 , 7, 803-9	3.3	14
125	Efficacy of clopidogrel reloading in patients with acute coronary syndrome undergoing percutaneous coronary intervention during chronic clopidogrel therapy (from the Antiplatelet therapy for Reduction of MYocardial Damage during Angioplasty [ARMYDA-8 RELOAD-ACS] trial). <i>American Journal of Cardiology</i> , 2013 , 112, 162-8	3	14
124	High cholesterol levels are associated with coronary microvascular dysfunction. <i>Journal of Cardiovascular Medicine</i> , 2012 , 13, 439-42	1.9	14

123	Fractional Flow Reserve and Quality-of-Life Improvement After Percutaneous Coronary Intervention in Patients With Stable Coronary Artery Disease. <i>Circulation</i> , 2018 , 138, 1797-1804	16.7	14
122	Iatrogenic atrial septal defect (iASD) after MitraClip system delivery: The key role of PaO ₂ /FiO ₂ ratio in guiding post-procedural iASD closure. <i>International Journal of Cardiology</i> , 2015 , 197, 85-6	3.2	13
121	Platelet reactivity and cardiovascular events after percutaneous coronary intervention in patients with stable coronary artery disease: the Stent Thrombosis In Belgium (STIB) trial. <i>EuroIntervention</i> , 2014 , 10, 204-11	3.1	13
120	Prognostically relevant periprocedural myocardial injury and infarction associated with percutaneous coronary interventions: a Consensus Document of the ESC Working Group on Cellular Biology of the Heart and European Association of Percutaneous Cardiovascular Interventions (EAPCI). <i>European Heart Journal</i> , 2021 , 42, 2630-2642	9.5	13
119	Clinical implications of platelet-vessel interaction. <i>Journal of Cardiovascular Translational Research</i> , 2013 , 6, 310-5	3.3	12
118	Lack of correlation between platelet reactivity and glycaemic control in type 2 diabetes mellitus patients treated with aspirin and clopidogrel. <i>Journal of Thrombosis and Thrombolysis</i> , 2011 , 32, 54-8	5.1	12
117	Effects of Prasugrel Versus Clopidogrel on Coronary Microvascular Function in Patients Undergoing Elective PCI. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 235-7	15.1	12
116	Platelet reactivity and coronary microvascular impairment after percutaneous revascularization in stable patients receiving clopidogrel or prasugrel. <i>Atherosclerosis</i> , 2018 , 278, 23-28	3.1	12
115	Safety and effectiveness of drug-eluting stents versus bare-metal stents in elderly patients with small coronary vessel disease. <i>Archives of Cardiovascular Diseases</i> , 2013 , 106, 554-61	2.7	11
114	Pressure-diameter relationship in human coronary arteries. <i>Circulation: Cardiovascular Interventions</i> , 2012 , 5, 791-6	6	11
113	Effect of phentolamine on the hyperemic response to adenosine in patients with microvascular disease. <i>American Journal of Cardiology</i> , 2005 , 96, 1627-30	3	11
112	Single String Technique for Coronary Bifurcation Stenting: Detailed Technical Evaluation and Feasibility Analysis. <i>JACC: Cardiovascular Interventions</i> , 2015 , 8, 949-59	5	10
111	NT-proANP circulating level is a prognostic marker in stable ischemic heart disease. <i>International Journal of Cardiology</i> , 2012 , 155, 311-2	3.2	10
110	Synergistic effect of thrombus aspiration and abciximab in primary percutaneous coronary intervention. <i>Catheterization and Cardiovascular Interventions</i> , 2013 , 82, 604-11	2.7	10
109	Clinical outcomes of PCI with rotational atherectomy: the European multicentre Euro4C registry. <i>EuroIntervention</i> , 2020 , 16, e305-e312	3.1	10
108	Microvascular Resistance Reserve for Assessment of Coronary Microvascular Function: JACC Technology Corner. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 1541-1549	15.1	10
107	Physiology-guided revascularization versus optimal medical therapy of nonculprit lesions in elderly patients with myocardial infarction: Rationale and design of the FIRE trial. <i>American Heart Journal</i> , 2020 , 229, 100-109	4.9	10
106	Fractional flow reserve in patients with reduced ejection fraction. <i>European Heart Journal</i> , 2020 , 41, 1665-1672	10	10

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