

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.

285 papers	19,669 citations	54 h-index	137 g-index
335 ext. papers	26,921 ext. citations	6.4 avg, IF	6.29 L-index

#	Paper	IF	Citations
285	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
284	2018 ESC/EACTS Guidelines on myocardial revascularization. <i>European Heart Journal</i> , 2019 , 40, 87-165	9.5	2408
283	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, 213-218	9.5	1475
282	2019 ESC Guidelines for the diagnosis and management of acute pulmonary embolism developed in collaboration with the European Respiratory Society (ERS). <i>European Heart Journal</i> , 2020 , 41, 543-603	9.5	1043
281	Fourth universal definition of myocardial infarction (2018).. <i>European Heart Journal</i> , 2019 , 40, 237-269	9.5	851
280	Evolving therapies for myocardial ischemia/reperfusion injury. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 1454-71	15.1	548
279	Multitarget Strategies to Reduce Myocardial Ischemia/Reperfusion Injury: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 89-99	15.1	292
278	Imbalanced OPA1 processing and mitochondrial fragmentation cause heart failure in mice. <i>Science</i> , 2015 , 350, aad0116	33.3	260
277	2018 ESC/EACTS Guidelines on myocardial revascularization. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 4-90	3	251
276	Effect of early metoprolol on infarct size in ST-segment-elevation myocardial infarction patients undergoing primary percutaneous coronary intervention: the Effect of Metoprolol in Cardioprotection During an Acute Myocardial Infarction (METOCARD-CNIC) trial. <i>Circulation</i> , 2013 , 128, 1495-503	16.7	249
275	Prevalence, Vascular Distribution, and Multiterritorial Extent of Subclinical Atherosclerosis in a Middle-Aged Cohort: The PESA (Progression of Early Subclinical Atherosclerosis) Study. <i>Circulation</i> , 2015 , 131, 2104-13	16.7	239
274	Mutations in the NOTCH pathway regulator MIB1 cause left ventricular noncompaction cardiomyopathy. <i>Nature Medicine</i> , 2013 , 19, 193-201	50.5	232
273	Practical guidelines for rigor and reproducibility in preclinical and clinical studies on cardioprotection. <i>Basic Research in Cardiology</i> , 2018 , 113, 39	11.8	224
272	Ischaemic conditioning and targeting reperfusion injury: a 30 year voyage of discovery. <i>Basic Research in Cardiology</i> , 2016 , 111, 70	11.8	192
271	Targeting reperfusion injury in patients with ST-segment elevation myocardial infarction: trials and tribulations. <i>European Heart Journal</i> , 2017 , 38, 935-941	9.5	167
270	Normal LDL-Cholesterol Levels Are Associated With Subclinical Atherosclerosis in the Absence of Risk Factors. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 2979-2991	15.1	153
269	2017 ESC focused update on dual antiplatelet therapy in coronary artery disease developed in collaboration with EACTS. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 34-78	3	149

268	Myocardial edema after ischemia/reperfusion is not stable and follows a bimodal pattern: imaging and histological tissue characterization. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 315-323	15.1	143
267	A Neutrophil Timer Coordinates Immune Defense and Vascular Protection. <i>Immunity</i> , 2019 , 50, 390-402.e10	9.10	138
266	Circadian variations of infarct size in acute myocardial infarction. <i>Heart</i> , 2011 , 97, 970-6	5.1	129
265	Resident human cardiac stem cells: role in cardiac cellular homeostasis and potential for myocardial regeneration. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2006 , 3 Suppl 1, S8-13		126
264	A Network of Macrophages Supports Mitochondrial Homeostasis in the Heart. <i>Cell</i> , 2020 , 183, 94-109.e23	36.2	126
263	Effect of remote ischaemic conditioning on clinical outcomes in patients with acute myocardial infarction (CONDI-2/ERIC-PPCI): a single-blind randomised controlled trial. <i>Lancet, The</i> , 2019 , 394, 1415-1424	10.24	125
262	Long-term benefit of early pre-reperfusion metoprolol administration in patients with acute myocardial infarction: results from the METOCARD-CNIC trial (Effect of Metoprolol in Cardioprotection During an Acute Myocardial Infarction). <i>Journal of the American College of Cardiology</i> , 2014 , 63, 2356-62	15.1	125
261	Early metoprolol administration before coronary reperfusion results in increased myocardial salvage: analysis of ischemic myocardium at risk using cardiac magnetic resonance. <i>Circulation</i> , 2007 , 115, 2909-16	16.7	118
260	Femoral and Carotid Subclinical Atherosclerosis Association With Risk Factors and Coronary Calcium: The AWHs Study. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 1263-74	15.1	114
259	T cells with dysfunctional mitochondria induce multimorbidity and premature senescence. <i>Science</i> , 2020 , 368, 1371-1376	33.3	113
258	Disturbed coronary hemodynamics in vessels with intermediate stenoses evaluated with fractional flow reserve: a combined analysis of epicardial and microcirculatory involvement in ischemic heart disease. <i>Circulation</i> , 2013 , 128, 2557-66	16.7	110
257	Rapid change in plaque size, composition, and molecular footprint after recombinant apolipoprotein A-I Milano (ETC-216) administration: magnetic resonance imaging study in an experimental model of atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 1104-9	15.1	110
256	Cardiac MRI Endpoints in Myocardial Infarction Experimental and Clinical Trials: JACC Scientific Expert Panel. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 238-256	15.1	102
255	2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2017 , 70, 1082	0.7	102
254	Pathophysiology Underlying the Bimodal Edema Phenomenon After Myocardial Ischemia/Reperfusion. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 816-828	15.1	101
253	Induction of sustained hypercholesterolemia by single adeno-associated virus-mediated gene transfer of mutant hPCSK9. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 50-9	9.4	101
252	Early Intravenous Beta-Blockers in Patients With ST-Segment Elevation Myocardial Infarction Before Primary Percutaneous Coronary Intervention. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 2705-2715	15.1	97
251	Neutrophil stunning by metoprolol reduces infarct size. <i>Nature Communications</i> , 2017 , 8, 14780	17.4	94

250	Serial Magnetic Resonance Imaging to Identify Early Stages of Anthracycline-Induced Cardiotoxicity. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 779-791	15.1	93
249	Therapeutic efficacy of AAV1.SERCA2a in monocrotaline-induced pulmonary arterial hypertension. <i>Circulation</i> , 2013 , 128, 512-23	16.7	85
248	Association of Sleep Duration and Quality With Subclinical Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 134-144	15.1	85
247	Recombinant HDL(Milano) exerts greater anti-inflammatory and plaque stabilizing properties than HDL(wild-type). <i>Atherosclerosis</i> , 2012 , 220, 72-7	3.1	78
246	Dynamic Edematous Response of the Human Heart to Myocardial Infarction: Implications for Assessing Myocardial Area at Risk and Salvage. <i>Circulation</i> , 2017 , 136, 1288-1300	16.7	77
245	Characterization of right ventricular remodeling and failure in a chronic pulmonary hypertension model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H1204-15	5.2	74
244	Exercise triggers ARVC phenotype in mice expressing a disease-causing mutated version of human plakophilin-2. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 1438-50	15.1	71
243	Vascular Inflammation in Subclinical Atherosclerosis Detected by Hybrid PET/MRI. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 1371-1382	15.1	70
242	The Progression and Early detection of Subclinical Atherosclerosis (PESA) study: rationale and design. <i>American Heart Journal</i> , 2013 , 166, 990-8	4.9	68
241	Clinical implications of clopidogrel resistance. <i>Thrombosis and Haemostasis</i> , 2008 , 100, 196-203	7	65
240	Optimized Treatment of ST-Elevation Myocardial Infarction. <i>Circulation Research</i> , 2019 , 125, 245-258	15.7	62
239	Association of myocardial T1-mapping CMR with hemodynamics and RV performance in pulmonary hypertension. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 76-82	8.4	62
238	The Importance of Breakfast in Atherosclerosis Disease: Insights From the PESA Study. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 1833-1842	15.1	61
237	Impact of the Timing of Metoprolol Administration During STEMI on Infarct Size and Ventricular Function. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 2093-2104	15.1	60
236	Early intravenous beta-blockers in patients with acute coronary syndrome--a meta-analysis of randomized trials. <i>International Journal of Cardiology</i> , 2013 , 168, 915-21	3.2	58
235	Fast T2 gradient-spin-echo (T2-GraSE) mapping for myocardial edema quantification: first in vivo validation in a porcine model of ischemia/reperfusion. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 92	6.9	54
234	Takotsubo syndrome: a Bayesian approach to interpreting its pathogenesis. <i>Mayo Clinic Proceedings</i> , 2006 , 81, 732-5	6.4	54
233	Subclinical Atherosclerosis Burden by 3D Ultrasound in Mid-Life: The PESA Study. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 301-313	15.1	53

232	The Obstacle Course of Reperfusion for ST-Segment-Elevation Myocardial Infarction in the COVID-19 Pandemic. <i>Circulation</i> , 2020 , 141, 1951-1953	16.7	53
231	Losartan Versus Atenolol for Prevention of Aortic Dilation in Patients With Marfan Syndrome. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 1613-1618	15.1	53
230	Aragon workers' health study--design and cohort description. <i>BMC Cardiovascular Disorders</i> , 2012 , 12, 45	2.3	50
229	β adrenergic receptor selective stimulation during ischemia/reperfusion improves cardiac function in translational models through inhibition of mPTP opening in cardiomyocytes. <i>Basic Research in Cardiology</i> , 2014 , 109, 422	11.8	49
228	A Novel Systems-Biology Algorithm for the Analysis of Coordinated Protein Responses Using Quantitative Proteomics. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 1740-60	7.6	48
227	Intratracheal Gene Delivery of SERCA2a Ameliorates Chronic Post-Capillary Pulmonary Hypertension: A Large Animal Model. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 2032-46	15.1	48
226	Ramipril in High-Risk Patients With COVID-19. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 268-276	15.1	47
225	Effect of Ischemia Duration and Protective Interventions on the Temporal Dynamics of Tissue Composition After Myocardial Infarction. <i>Circulation Research</i> , 2017 , 121, 439-450	15.7	46
224	Recombinant apolipoprotein A-I Milano rapidly reverses aortic valve stenosis and decreases leaflet inflammation in an experimental rabbit model. <i>European Heart Journal</i> , 2010 , 31, 2049-57	9.5	46
223	Genesis and dynamics of atherosclerotic lesions: implications for early detection. <i>Cerebrovascular Diseases</i> , 2009 , 27 Suppl 1, 38-47	3.2	44
222	The cardioprotection granted by metoprolol is restricted to its administration prior to coronary reperfusion. <i>International Journal of Cardiology</i> , 2011 , 147, 428-32	3.2	41
221	Up-regulation of reverse cholesterol transport key players and rescue from global inflammation by ApoA-I(Milano). <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 3226-35	5.6	41
220	Prevalence and Prognostic Significance of Malnutrition in Patients With Acute Coronary Syndrome. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 828-840	15.1	41
219	Long-Term Dabigatran Treatment Delays Alzheimer's Disease Pathogenesis in the TgCRND8 Mouse Model. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 1910-1923	15.1	38
218	Leukocyte-Expressed β -Adrenergic Receptors Are Essential for Survival After Acute Myocardial Injury. <i>Circulation</i> , 2016 , 134, 153-67	16.7	38
217	Diagnosis of atherosclerosis by imaging. <i>American Journal of Medicine</i> , 2009 , 122, S15-25	2.4	38
216	Oxidized LDL Is Associated With Metabolic Syndrome Traits Independently of Central Obesity and Insulin Resistance. <i>Diabetes</i> , 2017 , 66, 474-482	0.9	36
215	The Interleukin-1 Axis and Risk of Death in Patients With Acutely Decompensated Heart Failure. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 1016-1025	15.1	35

214	Noninvasive monitoring of serial changes in pulmonary vascular resistance and acute vasodilator testing using cardiac magnetic resonance. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1621-31	15.1	35
213	Guía ESC 2017 sobre el tratamiento del infarto agudo de miocardio en pacientes con elevación del segmento ST. <i>Revista Espanola De Cardiologia</i> , 2017 , 70, 1082.e1-1082.e61	1.5	35
212	Study design for the "effect of METOpriolol in CARDioproteCtioN during an acute myocardial InfarCtion" (METOCARD-CNIC): a randomized, controlled parallel-group, observer-blinded clinical trial of early pre-reperfusion metoprolol administration in ST-segment elevation myocardial infarction. <i>American Heart Journal</i> , 2012 , 164, 473-480.e5	4.9	35
211	Contrast-enhanced ultrasound imaging detects intraplaque neovascularization in an experimental model of atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 1256-64	8.4	35
210	Transition of Macrophages to Fibroblast-Like Cells in Healing Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 3124-3135	15.1	35
209	Animal models of atherosclerosis. <i>Progress in Molecular Biology and Translational Science</i> , 2012 , 105, 1-23	4	34
208	HDL-cholesterol: is it really good? Differences between apoA-I and HDL. <i>Biochemical Pharmacology</i> , 2008 , 76, 443-52	6	34
207	Intracoronary Administration of Allogeneic Adipose Tissue-Derived Mesenchymal Stem Cells Improves Myocardial Perfusion But Not Left Ventricle Function, in a Translational Model of Acute Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	33
206	Synergistic effect of liver X receptor activation and simvastatin on plaque regression and stabilization: an magnetic resonance imaging study in a model of advanced atherosclerosis. <i>European Heart Journal</i> , 2012 , 33, 264-73	9.5	32
205	Predicting Subclinical Atherosclerosis in Low-Risk Individuals: Ideal Cardiovascular Health Score and Fuster-BEWAT Score. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 2463-2473	15.1	31
204	A clinical method for mapping and quantifying blood stasis in the left ventricle. <i>Journal of Biomechanics</i> , 2016 , 49, 2152-2161	2.9	30
203	Low coronary microcirculatory resistance associated with profound hypotension during intravenous adenosine infusion: implications for the functional assessment of coronary stenoses. <i>Circulation: Cardiovascular Interventions</i> , 2014 , 7, 35-42	6	30
202	A Novel Circulating MicroRNA for the Detection of Acute Myocarditis. <i>New England Journal of Medicine</i> , 2021 , 384, 2014-2027	59.2	30
201	Metabolomics reveals metabolite changes in acute pulmonary embolism. <i>Journal of Proteome Research</i> , 2014 , 13, 805-16	5.6	29
200	In-hospital outcomes of COVID-19 ST-elevation myocardial infarction patients. <i>EuroIntervention</i> , 2021 , 16, 1426-1433	3.1	29
199	Transplantation of Allogeneic Pericytes Improves Myocardial Vascularization and Reduces Interstitial Fibrosis in a Swine Model of Reperfused Acute Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	28
198	Decreased salivary lactoferrin levels are specific to Alzheimer's disease. <i>EBioMedicine</i> , 2020 , 57, 102834	8.8	28
197	ESC guidance for the diagnosis and management of cardiovascular disease during the COVID-19 pandemic: part 2-care pathways, treatment, and follow-up. <i>European Heart Journal</i> , 2021 ,	9.5	28

196	Editor's Choice- Pathophysiology and therapy of myocardial ischaemia/reperfusion syndrome. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019 , 8, 443-456	4.3	27
195	Generation and characterization of a novel knockin minipig model of Hutchinson-Gilford progeria syndrome. <i>Cell Discovery</i> , 2019 , 5, 16	22.3	27
194	Swine model of chronic postcapillary pulmonary hypertension with right ventricular remodeling: long-term characterization by cardiac catheterization, magnetic resonance, and pathology. <i>Journal of Cardiovascular Translational Research</i> , 2014 , 7, 494-506	3.3	27
193	Lipidomic profiling identifies signatures of metabolic risk. <i>EBioMedicine</i> , 2020 , 51, 102520	8.8	27
192	CANTOS: A Gigantic Proof-of-Concept Trial. <i>Circulation Research</i> , 2017 , 121, 1320-1322	15.7	26
191	Myocardial injury determination improves risk stratification and predicts mortality in COVID-19 patients. <i>Cardiology Journal</i> , 2020 , 27, 489-496	1.4	26
190	Beta-3 adrenergic agonists reduce pulmonary vascular resistance and improve right ventricular performance in a porcine model of chronic pulmonary hypertension. <i>Basic Research in Cardiology</i> , 2016 , 111, 49	11.8	25
189	A new oral antiplatelet agent with potent antithrombotic properties: comparison of DZ-697b with clopidogrel a randomised phase I study. <i>Thrombosis and Haemostasis</i> , 2010 , 103, 205-12	7	24
188	Metoprolol exerts a non-class effect against ischaemia-reperfusion injury by abrogating exacerbated inflammation. <i>European Heart Journal</i> , 2020 , 41, 4425-4440	9.5	24
187	Optimization of dual-saturation single bolus acquisition for quantitative cardiac perfusion and myocardial blood flow maps. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 21	6.9	23
186	Short-Term Progression of Multiterritorial Subclinical Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1617-1627	15.1	23
185	Safety of lone thrombus aspiration without concomitant coronary stenting in selected patients with acute myocardial infarction. <i>EuroIntervention</i> , 2013 , 8, 1149-56	3.1	23
184	Bloodless reperfusion with the oxygen carrier HBOC-201 in acute myocardial infarction: a novel platform for cardioprotective probes delivery. <i>Basic Research in Cardiology</i> , 2017 , 112, 17	11.8	22
183	ERK Blockade Prevents Post-Ischemic Myocardial Decompensation Via ERK-Dependent Protective Sphingosine-1 Phosphate Signaling. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 182-192	15.1	22
182	Carvedilol administration in acute myocardial infarction results in stronger inhibition of early markers of left ventricular remodeling than metoprolol. <i>International Journal of Cardiology</i> , 2011 , 153, 256-61	3.2	22
181	In vivo ratiometric optical mapping enables high-resolution cardiac electrophysiology in pig models. <i>Cardiovascular Research</i> , 2019 , 115, 1659-1671	9.9	22
180	The microRNA-29/PGC1 α regulatory axis is critical for metabolic control of cardiac function. <i>PLoS Biology</i> , 2018 , 16, e2006247	9.7	22
179	Induction of the calcineurin variant CnA β after myocardial infarction reduces post-infarction ventricular remodelling by promoting infarct vascularization. <i>Cardiovascular Research</i> , 2014 , 102, 396-408	8.9	21

178	Influence of the amount of myocardium subtended to a coronary stenosis on the index of microcirculatory resistance. Implications for the invasive assessment of microcirculatory function in ischaemic heart disease. <i>EuroIntervention</i> , 2017 , 13, 944-952	3.1	21
177	Combining Baseline Distal-to-Aortic Pressure Ratio and Fractional Flow Reserve in the Assessment of Coronary Stenosis Severity. <i>JACC: Cardiovascular Interventions</i> , 2015 , 8, 1681-91	5	20
176	Proteomic footprint of myocardial ischemia/reperfusion injury: Longitudinal study of the at-risk and remote regions in the pig model. <i>Scientific Reports</i> , 2017 , 7, 12343	4.9	19
175	Utility of in-hospital cardiac remote telemetry in patients with unexplained syncope. <i>Europace</i> , 2007 , 9, 1196-201	3.9	19
174	Metoprolol blunts the time-dependent progression of infarct size. <i>Basic Research in Cardiology</i> , 2020 , 115, 55	11.8	19
173	Association Between a Social-Business Eating Pattern and Early Asymptomatic Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 805-14	15.1	18
172	Imaging subclinical atherosclerosis: is it ready for prime time? A review. <i>Journal of Cardiovascular Translational Research</i> , 2014 , 7, 623-34	3.3	18
171	Lethal myocardial reperfusion injury: a necessary evil?. <i>International Journal of Cardiology</i> , 2011 , 151, 3-11	3.2	18
170	Integrating the results of the CULPRIT-SHOCK trial in the 2017 ESC ST-elevation myocardial infarction guidelines: viewpoint of the task force. <i>European Heart Journal</i> , 2018 , 39, 4239-4242	9.5	18
169	European Society of Cardiology guidance for the diagnosis and management of cardiovascular disease during the COVID-19 pandemic: part 1-epidemiology, pathophysiology, and diagnosis. <i>European Heart Journal</i> , 2021 ,	9.5	18
168	Quantification of serial changes in plaque burden using multi-detector computed tomography in experimental atherosclerosis. <i>Atherosclerosis</i> , 2009 , 202, 185-91	3.1	17
167	Selective estrogen receptor modulation influences atherosclerotic plaque composition in a rabbit menopause model. <i>Atherosclerosis</i> , 2008 , 201, 76-84	3.1	17
166	Impact of COVID-19 on ST-segment elevation myocardial infarction care. The Spanish experience. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2020 , 73, 994-1002	0.7	17
165	Triglycerides and Residual Atherosclerotic Risk. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 3031-3041	15.1	17
164	Glycated Hemoglobin and Subclinical Atherosclerosis in People Without Diabetes. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 2777-2791	15.1	17
163	Clinical benefit of drugs targeting mitochondrial function as an adjunct to reperfusion in ST-segment elevation myocardial infarction: A meta-analysis of randomized clinical trials. <i>International Journal of Cardiology</i> , 2017 , 244, 59-66	3.2	16
162	Acute ApoA-I Milano administration induces plaque regression and stabilisation in the long term. <i>Thrombosis and Haemostasis</i> , 2012 , 108, 1246-8	7	16
161	Fractional flow reserve and minimum Pd/Pa ratio during intravenous adenosine infusion: very similar but not always the same. <i>EuroIntervention</i> , 2016 , 11, 1013-9	3.1	16

160	Atrial Infarction and Ischemic Mitral Regurgitation Contribute to Post-MI Remodeling of the Left Atrium. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 2878-2889	15.1	16
159	Metoprolol in Critically Ill Patients With COVID-19. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 1001-1011	15.1	16
158	QRS distortion in pre-reperfusion electrocardiogram is a bedside predictor of large myocardium at risk and infarct size (a METOCARD-CNIC trial substudy). <i>International Journal of Cardiology</i> , 2016 , 202, 666-73	3.2	15
157	Transition from post-capillary pulmonary hypertension to combined pre- and post-capillary pulmonary hypertension in swine: a key role for endothelin. <i>Journal of Physiology</i> , 2019 , 597, 1157-1173	3.9	15
156	Predictors of Intramyocardial Hemorrhage After Reperfused ST-Segment Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	15
155	Effects of fibrosis morphology on reentrant ventricular tachycardia inducibility and simulation fidelity in patient-derived models. <i>Clinical Medicine Insights: Cardiology</i> , 2014 , 8, 1-13	3.2	15
154	Oxidized Low-Density Lipoprotein Receptor in Lymphocytes Prevents Atherosclerosis and Predicts Subclinical Disease. <i>Circulation</i> , 2019 , 139, 243-255	16.7	15
153	2020 Update of the quality indicators for acute myocardial infarction: a position paper of the Association for Acute Cardiovascular Care: the study group for quality indicators from the ACVC and the NSTEMI-ACS guideline group. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021 , 10, 224-233	4.3	15
152	Rationale and design of the school-based SI! Program to face obesity and promote health among Spanish adolescents: A cluster-randomized controlled trial. <i>American Heart Journal</i> , 2019 , 215, 27-40	4.9	14
151	Rationale and design of a double-blind, multicenter, randomized, placebo-controlled clinical trial of early administration of intravenous β -blockers in patients with ST-elevation myocardial infarction before primary percutaneous coronary intervention: EARLY β -blocker administration before primary PCI in patients with ST-elevation myocardial infarction trial. <i>American Heart Journal</i> , 2014 ,	4.9	14
150	The future: therapy of myocardial protection. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1254, 90-8	6.5	14
149	A 30-month worksite-based lifestyle program to promote cardiovascular health in middle-aged bank employees: Design of the TANSNIP-PESA randomized controlled trial. <i>American Heart Journal</i> , 2017 , 184, 121-132	4.9	14
148	Troponin release overestimates infarct size in presence of left ventricular hypertrophy. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 640-1	15.1	14
147	Combination proximal pulmonary artery coiling and distal embolization induces chronic elevations in pulmonary artery pressure in Swine. <i>PLoS ONE</i> , 2015 , 10, e0124526	3.7	14
146	Machine Learning Improves Cardiovascular Risk Definition for Young, Asymptomatic Individuals. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 1674-1685	15.1	14
145	Impact of left ventricular hypertrophy on troponin release during acute myocardial infarction: new insights from a comprehensive translational study. <i>Journal of the American Heart Association</i> , 2015 , 4, e001218	6	13
144	Complement C5 Protein as a Marker of Subclinical Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1926-1941	15.1	13
143	Accurate quantification of atherosclerotic plaque volume by 3D vascular ultrasound using the volumetric linear array method. <i>Atherosclerosis</i> , 2016 , 248, 230-7	3.1	13

142	Incremento de las HDL como arma terapéutica en la aterotrombosis. <i>Revista Espanola De Cardiologia</i> , 2010 , 63, 323-333	1.5	13
141	Association Between Left Ventricular Noncompaction and Vigorous Physical Activity. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 1723-1733	15.1	13
140	Clinical Effectiveness of the Cardiovascular Polypill in a Real-Life Setting in Patients with Cardiovascular Risk: The SORS Study. <i>Archives of Medical Research</i> , 2019 , 50, 31-40	6.6	12
139	Efficacy and safety of out-of-hospital intravenous metoprolol administration in anterior ST-segment elevation acute myocardial infarction: insights from the METOCARD-CNIC trial. <i>Annals of Emergency Medicine</i> , 2015 , 65, 318-24	2.1	12
138	Automated segmentation and reconstruction of patient-specific cardiac anatomy and pathology from in vivo MRI*. <i>Measurement Science and Technology</i> , 2012 , 23, 125405	2	12
137	Pharmacology of thienopyridines: rationale for dual pathway inhibition. <i>Country Review Ukraine</i> , 2006 , 8, G3-G9		12
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