Nieves Gonzalo

List of Publications by Year
in descending order

104 papers	6,275 citations	172457 29 h-index	66911 78 g-index
108 all docs	108 docs citations	108 times ranked	5012 citing authors

#	Article	IF	Citations
1	Consensus Standards for Acquisition, Measurement, and Reporting of Intravascular Optical Coherence Tomography Studies. Journal of the American College of Cardiology, 2012, 59, 1058-1072.	2.8	1,530
2	A bioabsorbable everolimus-eluting coronary stent system (ABSORB): 2-year outcomes and results from multiple imaging methods. Lancet, The, 2009, 373, 897-910.	13.7	755
3	Diagnosis of Spontaneous Coronary Artery Dissection by Optical Coherence Tomography. Journal of the American College of Cardiology, 2012, 59, 1073-1079.	2.8	326
4	Optical coherence tomography patterns of stent restenosis. American Heart Journal, 2009, 158, 284-293.	2.7	309
5	Intracoronary Optical Coherence Tomography and Histology at 1 Month and 2, 3, and 4 Years After Implantation of Everolimus-Eluting Bioresorbable Vascular Scaffolds in a Porcine Coronary Artery Model. Circulation, 2010, 122, 2288-2300.	1.6	289
6	A Prospective Randomized Trial ofÂDrug-Eluting Balloons Versus Everolimus-Eluting Stents in Patients With In-Stent Restenosis of Drug-Eluting Stents. Journal of the American College of Cardiology, 2015, 66, 23-33.	2.8	253
7	A Randomized Comparison of Drug-Eluting Balloon Versus Everolimus-Eluting Stent in Patients With Bare-Metal Stentâ€“In-Stent Restenosis. Journal of the American College of Cardiology, 2014, 63, 1378-1386.	2.8	225
8	Morphometric Assessment of Coronary Stenosis Relevance With Optical Coherence Tomography. Journal of the American College of Cardiology, 2012, 59, 1080-1089.	2.8	190
9	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
10	Incomplete Stent Apposition and Delayed Tissue Coverage Are More Frequent in Drug-Eluting Stents Implanted During Primary Percutaneous Coronary Intervention for ST-Segment Elevation Myocardial Infarction Than in Drug-Eluting Stents Implanted for Stable/Unstable Angina. JACC: Cardiovascular Interventions, 2009, 2, 445-452.	2.9	184
11	Combined Use of OCT and IVUS in Spontaneous Coronary Artery Dissection. JACC: Cardiovascular Imaging, 2013, 6, 830-832.	5.3	116
12	In Vivo Assessment of High-Risk Coronary Plaques at Bifurcations With Combined Intravascular Ultrasound and Optical Coherence Tomography. JACC: Cardiovascular Imaging, 2009, 2, 473-482.	5.3	112
13	Global Chronic Total Occlusion CrossingÂAlgorithm. Journal of the American College of Cardiology, 2021, 78, 840-853.	2.8	111
14	Incidence, Causes, and Predictors of EarlyÂ(â‰30 Days) and Late Unplanned Hospital Readmissions After TranscatheterÂAortic Valve Replacement. JACC: Cardiovascular Interventions, 2015, 8, 1748-1757.	2.9	110
15	Optical coherence tomography in coronary atherosclerosis assessment and intervention. Nature Reviews Cardiology, 2022, 19, 684-703.	13.7	106
16	Reproducibility of quantitative optical coherence tomography for stent analysis. EuroIntervention, 2009, 5, 224-232.	3.2	101
17	Influence of Microcirculatory Dysfunction on Angiography-Based Functional Assessment of Coronary Stenoses. JACC: Cardiovascular Interventions, 2018, 11, 741-753.	2.9	90
18	Accuracy of intravascular ultrasound and optical coherence tomography in identifying functionally significant coronary stenosis according to vessel diameter: A meta-analysis of 2,581 patients and 2,807 lesions. American Heart Journal, 2015, 169, 663-673.	2.7	88

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19	Spontaneous Coronary Artery Dissection. JACC: Cardiovascular Imaging, 2019, 12, 2475-2488.	5.3	88
20	Antiplatelet therapy in patients with conservatively managed spontaneous coronary artery dissection from the multicentre DISCO registry. European Heart Journal, 2021, 42, 3161-3171.	2.2	82
21	Intravascular Lithotripsy in Calcified Coronary Lesions. Circulation: Cardiovascular Interventions, 2019, 12, e008154.	3.9	69
22	Selected CD133 ⁺ Progenitor Cells to Promote Angiogenesis in Patients With Refractory Angina. Circulation Research, 2014, 115, 950-960.	4.5	63
23	Assessment of the absorption process following bioabsorbable everolimus-eluting stent implantation: temporal changes in strain values and tissue composition using intravascular ultrasound radiofrequency data analysis A substudy of the ABSORB clinical trial. EuroIntervention, 2009, 4, 443-448.	3.2	57
24	Reproducibility of coronary Fourier domain optical coherence tomography: quantitative analysis of in vivo stented coronary arteries using three different software packages. EuroIntervention, 2010, 6, 371-379.	3.2	57
25	Five-year outcomes after state-of-the-art percutaneous coronary revascularization in patients with de novo three-vessel disease: final results of the SYNTAX II study. European Heart Journal, 2022, 43, 1307-1316.	2.2	54
26	TomografÃa de coherencia Ã³ptica de segunda generaciÃ³n en la prÃ¡ctica clÃnica. La adquisiciÃ³n de datos de alta velocidad muestra una reproducibilidad excelente en pacientes tratados con intervenciones coronarias percutÃ¡neas. Revista Espanola De Cardiologia, 2010, 63, 893-903.	1.2	52
27	Spontaneous coronary artery dissection: contemporary aspects of diagnosis and patient management. Open Heart, 2018, 5, e000884.	2.3	49
28	Magmarisâ„¢ resorbable magnesium scaffold: state-of-art review. Future Cardiology, 2019, 15, 267-279.	1.2	32
29	Coronary lithotripsy for the treatment of underexpanded stents: the international multicentre CRUNCH registry. EuroIntervention, 2022, 18, 574-581.	3.2	28
30	Absorbable stent: focus on clinical applications and benefits. Vascular Health and Risk Management, 2012, 8, 125.	2.3	26
31	Coronary aneurysms in the acute patient: Incidence, characterization and long-term management results. Cardiovascular Revascularization Medicine, 2018, 19, 589-596.	0.8	26
32	Third-Generation Balloon and Self-Expandable Valves for Aortic Stenosis in Large and Extra-Large Aortic Annuli From the TAVR-LARGE Registry. Circulation: Cardiovascular Interventions, 2020, 13, e009047.	3.9	24
33	Safety and efficacy of drug eluting stents in patients with spontaneous coronary artery dissection. International Journal of Cardiology, 2017, 238, 105-109.	1.7	22
34	Coronary Microcirculation Downstream Nonâ€Infarctâ€Related Arteries in the Subacute Phase of Myocardial Infarction: Implications for Physiologyâ€Guided Revascularization. Journal of the American Heart Association, 2019, 8, e011534.	3.7	22
35	Safety of intermediate left main stenosis revascularization deferral based on fractional flow reserve and intravascular ultrasound: A systematic review and meta-regression including 908 deferred left main stenosis from 12 studies. International Journal of Cardiology, 2018, 271, 42-48.	1.7	19
36	Intravascular ultrasound guidance of percutaneous coronary intervention in ostial chronic total occlusions: a description of the technique and procedural results. International Journal of Cardiovascular Imaging, 2017, 33, 807-813.	1.5	17

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37	Non-invasive assessment of endothelial function in patients with spontaneous coronary artery dissection: A case-control study. International Journal of Cardiology, 2020, 316, 40-42.	1.7	17
38	Clinical and hemodynamic results after direct transcatheter aortic valve replacement versus preâ€implantation balloon aortic valvuloplasty: A caseâ€matched analysis. Catheterization and Cardiovascular Interventions, 2017, 90, 809-816.	1.7	14
39	Feasibility and Safety of Intracoronary Imaging for Diagnosing Spontaneous Coronary Artery Dissection. JACC: Cardiovascular Imaging, 2019, 12, 763-764.	5.3	14
40	Identification of capillary rarefaction using intracoronary wave intensity analysis with resultant prognostic implications for cardiac allograft patients. European Heart Journal, 2018, 39, 1807-1814.	2.2	13
41	The year in cardiovascular medicine 2020: interventional cardiology. European Heart Journal, 2021, 42, 985-1003.	2.2	13
42	Undilatable Calcific Coronary Stenosis Causing Stent Underexpansion and LateÂStent Thrombosis. JACC: Cardiovascular Interventions, 2019, 12, 1510-1512.	2.9	12
43	Clinical Profile and 30-Day Mortality of Invasively Managed Patients with Suspected Acute Coronary Syndrome During the COVID-19 Outbreak. International Heart Journal, 2021, 62, 274-281.	1.0	12
44	Long-term follow-up of spontaneous coronary artery dissection treated with bioresorbable scaffolds. EuroIntervention, 2019, 14, 1403-1405.	3.2	11
45	Screening of extra-coronary arteriopathy with magnetic resonance angiography in patients with spontaneous coronary artery dissection: a single-centre experience. Cardiovascular Diagnosis and Therapy, 2019, 9, 229-238.	1.7	10
46	Sex Differences in Longâ€Term Outcomes in Patients With Deferred Revascularization Following Fractional Flow Reserve Assessment: International Collaboration Registry of Comprehensive Physiologic Evaluation. Journal of the American Heart Association, 2020, 9, e014458.	3.7	10
47	Choice of CTO scores to predict procedural success in clinical practice. A comparison of 4 different CTO PCI scores in a comprehensive national registry including expert and learning CTO operators. PLoS ONE, 2021, 16, e0245898.	2.5	10
48	Pre-dilation and Post-dilation in Transcatheter Aortic Valve Replacement: Indications, Benefits and Risks. Interventional Cardiology Review, 2021, 16, e28.	1.6	10
49	Contemporary use of coronary computed tomography angiography in the planning of percutaneous coronary intervention. International Journal of Cardiovascular Imaging, 2020, 36, 2441-2459.	1.5	9
50	IVUS Findings in Late and Very Late Stent Thrombosis. A Comparison Between Bare-metal and Drug-eluting Stents. Revista Espanola De Cardiologia (English Ed), 2018, 71, 335-343.	0.6	8
51	Doseâ€reducing fluoroscopic system decreases patient but not occupational radiation exposure in chronic total occlusion intervention. Catheterization and Cardiovascular Interventions, 2021, 98, 895-902.	1.7	8
52	High filtration in interventional practices reduces patient radiation doses but not always scatter radiation doses. British Journal of Radiology, 2021, 94, 20200774.	2.2	8
53	Impact of delirium in acute cardiac care unit after transcatheter aortic valve replacement. International Journal of Cardiology, 2021, 330, 164-170.	1.7	8
54	Threeâ€and 6â€month optical coherence tomographic surveillance following percutaneous coronary intervention with the AngioliteÂ® drugâ€eluting stent: The ANCHOR study. Catheterization and Cardiovascular Interventions, 2018, 91, 435-443.	1.7	7

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55	Procedural, Functional and Prognostic Outcomes Following Recanalization of Coronary Chronic Total Occlusions. Results of the Iberian Registry. Revista Espanola De Cardiologia (English Ed), 2019, 72, 373-382.	0.6	6
56	Percutaneous mitral valve repair with <scp>MitraClip</scp> device in hemodynamically unstable patients: A systematic review. Catheterization and Cardiovascular Interventions, 2021, 98, E617-E625.	1.7	6
57	Optical coherence tomography (OCT) in secondary revascularisation: stent and graft assessment. EuroIntervention, 2009, 5 Suppl D, D93-D100.	3.2	6
58	PRotective Effect on the coronary microcirculation of patients with DIabetes by Clopidogrel or Ticagrelor (PREDICT): study rationale and design. A randomized multicenter clinical trial using intracoronary multimodal physiology. Cardiovascular Diabetology, 2017, 16, 68.	6.8	5
59	Successful Disruption of Massive Calcified Nodules Using Novel Shockwave Intravascular Lithotripsy. Circulation Journal, 2019, 84, 131.	1.6	5
60	The Pt-Cr everolimus-eluting stent with bioabsorbable polymer in the treatment of patients with acute coronary syndromes. Results from the SYNERGY ACS registry. Cardiovascular Revascularization Medicine, 2019, 20, 705-710.	0.8	5
61	Performance of the heart team approach in daily clinical practice in highâ€risk patients with aortic stenosis. Journal of Cardiac Surgery, 2021, 36, 31-39.	0.7	5
62	Determinants of percutaneous coronary intervention success in repeat chronic total occlusion procedures following an initial failed attempt. World Journal of Cardiology, 2017, 9, 355.	1.5	5
63	Development of atrioventricular and intraventricular conduction disturbances in patients undergoing transcatheter aortic valve replacement with new generation self-expanding valves: A real world multicenter analysis. International Journal of Cardiology, 2022, 362, 128-136.	1.7	5
64	Clinical outcomes of patients presenting with spontaneous coronary artery dissection versus takotsubo syndrome: a propensity score analysis. European Heart Journal: Acute Cardiovascular Care, 2020, 9, 694-702.	1.0	4
65	Long-term outcome of a spontaneous coronary artery dissection treated with a bioresorbable scaffold. EuroIntervention, 2017, 13, 994-995.	3.2	4
66	Transcatheter versus surgical aortic valve replacement in patients with morbid obesity: a multicentre propensity score-matched analysis. EuroIntervention, 2022, 18, e417-e427.	3.2	4
67	Misleading takotsubo-like syndrome unravelled by intracoronary imaging. European Heart Journal Cardiovascular Imaging, 2017, 18, 1187.	1.2	3
68	Internal mammary artery graft failure: Clinical features, management, and long-term outcomes. Indian Heart Journal, 2018, 70, S329-S337.	0.5	3
69	Comparison of quantitative flow ratio value of left anterior descending and circumflex coronary artery in patients with Takotsubo syndrome. International Journal of Cardiovascular Imaging, 2020, 36, 3-8.	1.5	3
70	Influence of neoatherosclerosis on prognosis and treatment response in patients with in-stent restenosis. Revista Espanola De Cardiologia (English Ed), 2021, 74, 427-435.	0.6	3
71	Early coronary healing in ST segment elevation myocardial infarction. Coronary Artery Disease, 2021, Publish Ahead of Print, 673-680.	0.7	3
72	Influencia de la neoateroesclerosis en el pronÃ³stico y la respuesta al tratamiento de los pacientes con reestenosis en el stent. Revista Espanola De Cardiologia, 2021, 74, 427-435.	1.2	3

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73	Online coregistration of intravascular ultrasound and optical coherence tomography. Minerva Cardiology and Angiology, 2021, 69, 641-654.	0.7	3
74	Association between patient age, microcirculation, and coronary stenosis assessment with fractional flow reserve and instantaneous waveâ€free ratio. Catheterization and Cardiovascular Interventions, 2022, 99, 1104-1114.	1.7	3
75	Grade 3 coronary artery perforations in chronic total occlusionâ€percutaneous coronary intervention: Mechanisms, locations, and outcomes from the G3CAP Registry. Catheterization and Cardiovascular Interventions, 0, , .	1.7	3
76	Is the bioresorbable scaffold a sealing device?. Atherosclerosis, 2012, 221, 36-37.	0.8	2
77	Repetitive vasospasm as a cause of plaque rupture and myocardial infarction. European Heart Journal, 2016, 37, 3619-3619.	2.2	2
78	Repeated Intracoronary Imaging in Spontaneous Coronary Artery Dissection. JACC: Cardiovascular Interventions, 2017, 10, 2342.	2.9	2
79	Role of Invasive and Non-invasive Imaging Tools in the Diagnosis and Optimal Treatment of Patients with Spontaneous Coronary Artery Dissection. Current Cardiology Reports, 2019, 21, 122.	2.9	2
80	Intracoronary Lithotripsy in PercutaneousÂTreatment of CalcificÂLeftÂMain Coronary Stenoses. JACC: Case Reports, 2019, 1, 46-49.	0.6	2
81	Angiographic characteristics and longâ€term prognostic impact of coronary artery disease in survivors after sudden cardiac arrest with a nonâ€diagnostic electrocardiogram. Catheterization and Cardiovascular Interventions, 2019, 93, 9-15.	1.7	2
82	Follow-up evaluation of magnesium bioresorbable stent with computed tomography. Journal of Cardiovascular Computed Tomography, 2020, 14, e75-e77.	1.3	2
83	Shortâ€term clinical outcomes of percutaneous coronary intervention of unprotected left main coronary disease in cardiogenic shock. Catheterization and Cardiovascular Interventions, 2020, 95, 515-521.	1.7	2
84	Anatomical and functional healing after resorbable magnesium scaffold implantation in human coronary vessels: A combined optical coherence tomography and quantitative flow ratio analysis. Catheterization and Cardiovascular Interventions, 2021, 98, 1038-1046.	1.7	2
85	Safety of coronary revascularization deferral based on fractional flow reserve and instantaneous wave-free ratio in patients with chronic kidney disease. Cardiology Journal, 2022, 29, 553-562.	1.2	2
86	Stent strut thickness and acute vessel injury during percutaneous coronary interventions. Coronary Artery Disease, 2020, Publish Ahead of Print, 382-390.	0.7	2
87	Incidence, clinical impact and predictors of thrombocytopenia after transcatheter aortic valve replacement. International Journal of Cardiology, 2022, , .	1.7	2
88	Bifurcation Culprit Lesions in ST-segment Elevation Myocardial Infarction: Procedural Success and 5-year Outcome Compared With Nonbifurcation Lesions. Revista Espanola De Cardiologia (English Ed), 2018, 71, 801-810.	0.6	1
89	The Value of the SYNTAX Score II in Predicting Clinical Outcomes in Patients Undergoing Transcatheter Aortic Valve Implantation. Revista Espanola De Cardiologia (English Ed), 2018, 71, 628-637.	0.6	1
90	Acute Coronary Syndrome Caused by Intra-plaque Hemorrhage. Revista Espanola De Cardiologia (English Ed), 2019, 72, 776.	0.6	1

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91	Longâ€term outcomes after deferral of revascularization of inâ€stent restenosis using fractional flow reserve. Catheterization and Cardiovascular Interventions, 2021, , .	1.7	1
92	Plaque modification in calcified chronic total occlusions: the PLACCTON study. Revista Espanola De Cardiologia (English Ed), 2021, 75, 213-213.	0.6	1
93	SÃndrome coronario agudo causado por hemorragia intraplaca. Revista Espanola De Cardiologia, 2019, 72, 776.	1.2	1
94	New light on second-generation drug-eluting stent restenosis. EuroIntervention, 2017, 13, 265-266.	3.2	1
95	Combined use of optical coherence tomography and intravascular ultrasound imaging for the evaluation of stent thrombosis. Expert Review of Cardiovascular Therapy, 2013, 11, 5-7.	1.5	0
96	Long-Term Favorable Coronary Healing After Bioresorbable Scaffold Implantation. Journal of the American College of Cardiology, 2014, 64, 2357-2359.	2.8	0
97	Selection of the Best of 2017 in Interventional Cardiology: Revolution in the Study of Coronary Physiology and New Parameters. Revista Espanola De Cardiologia (English Ed), 2018, 71, 223-225.	0.6	0
98	Combined intracoronary 2Dâ€“3D optical coherence tomography and intravascular ultrasound imaging in left main severe stent malapposition. Cardiovascular Intervention and Therapeutics, 2018, 33, 288-290.	2.3	0
99	In Vivo Pathologic Confirmation of Neoatherosclerosis. Revista Espanola De Cardiologia (English Ed), 2018, 71, 291.	0.6	0
100	Spontaneous coronary artery dissection and aortic dilatation presenting concomitantly: a case report. European Heart Journal - Case Reports, 2018, 2, yty022.	0.6	0
101	Letter by Macaya et al Regarding Article, â€œEarly Natural History of Spontaneous Coronary Artery Dissectionâ€. Circulation: Cardiovascular Interventions, 2019, 12, e007611.	3.9	0
102	The complex relationship between geometrical and functional results of PCI. EuroIntervention, 2021, 17, e100-e102.	3.2	0
103	Acute coronary syndromes: time to go further. EuroIntervention, 2018, 14, 616-618.	3.2	0
104	Magnesium-based bioresorbable scaffolds in STEMI. The quest for the optimal bioresorption balance. EuroIntervention, 2020, 16, e869-e871.	3.2	0