GastÃ³n A Rodriguez-Granillo

List of Publications by Year
in descending order

108 papers	2,900 citations	201674 27 h-index	175258 52 g-index
117 all docs	117 docs citations	117 times ranked	2620 citing authors

#	Article	IF	Citations
1	In Vivo Intravascular Ultrasound-Derived Thin-Cap Fibroatheroma Detection Using Ultrasound Radiofrequency Data Analysis. Journal of the American College of Cardiology, 2005, 46, 2038-2042.	2.8	364
2	Long-Term Safety and Efficacy of Percutaneous Coronary Intervention With Stenting and Coronary Artery Bypass Surgery for Multivessel Coronary Artery Disease. Circulation, 2008, 118, 1146-1154.	1.6	266
3	The unrestricted use of paclitaxel- versus sirolimus-eluting stents for coronary artery disease in an unselected population. Journal of the American College of Cardiology, 2005, 45, 1135-1141.	2.8	204
4	Distal Left Main Coronary Disease Is a Major Predictor of Outcome in Patients Undergoing Percutaneous Intervention in the Drug-Eluting Stent Era. Journal of the American College of Cardiology, 2006, 47, 1530-1537.	2.8	181
5	Comparison of early outcome of percutaneous coronary intervention for unprotected left main coronary artery disease in the drug-eluting stent era with versus without intravascular ultrasonic guidance. American Journal of Cardiology, 2005, 95, 644-647.	1.6	95
6	Coronary plaque composition of nonculprit lesions, assessed by in vivo intracoronary ultrasound radio frequency data analysis, is related to clinical presentation. American Heart Journal, 2006, 151, 1020-1024.	2.7	87
7	Intracoronary Delivery of Hematopoietic Bone Marrow Stem Cells and Luminal Loss of the Infarct-Related Artery in Patients With Recent Myocardial Infarction. Journal of the American College of Cardiology, 2006, 47, 1727-1730.	2.8	78
8	Signal density of left ventricular myocardial segments and impact of beam hardening artifact: implications for myocardial perfusion assessment by multidetector CT coronary angiography. International Journal of Cardiovascular Imaging, 2010, 26, 345-354.	1.5	72
9	Global characterization of coronary plaque rupture phenotype using three-vessel intravascular ultrasound radiofrequency data analysis. European Heart Journal, 2006, 27, 1921-1927.	2.2	71
10	Distance from the ostium as an independent determinant of coronary plaque composition in vivo: an intravascular ultrasound study based radiofrequency data analysis in humans. European Heart Journal, 2006, 27, 655-663.	2.2	68
11	Plaque Composition and its Relationship With Acknowledged Shear Stress Patterns in Coronary Arteries. Journal of the American College of Cardiology, 2006, 47, 884-885.	2.8	65
12	A novel approach for quantitative analysis of intracoronary optical coherence tomography: High interâ€observer agreement with computerâ€assisted contour detection. Catheterization and Cardiovascular Interventions, 2008, 72, 228-235.	1.7	63
13	Reproducibility of intravascular ultrasound radiofrequency data analysis: implications for the design of longitudinal studies. International Journal of Cardiovascular Imaging, 2006, 22, 621-631.	1.5	59
14	Long-Term Effect of Perindopril on Coronary Atherosclerosis Progression (from the PERindoprilâ€™s) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	59
15	Plaque Composition in the Left Main Stem Mimics the Distal But Not the Proximal Tract of the Left Coronary Artery. Journal of the American College of Cardiology, 2007, 49, 23-31.	2.8	51
16	Substantial iodine volume load reduction in CT angiography with dual-energy imaging: insights from a pilot randomized study. International Journal of Cardiovascular Imaging, 2014, 30, 1613-1620.	1.5	47
17	Meta-Analysis of the Studies Assessing Temporal Changes in Coronary Plaque Volume Using Intravascular Ultrasound. American Journal of Cardiology, 2007, 99, 5-10.	1.6	44
18	Monochromatic image reconstruction by dual energy imaging allows half iodine load computed tomography coronary angiography. European Journal of Radiology, 2015, 84, 1915-1920.	2.6	43

#	Article	IF	Citations
19	Multislice CT coronary angiography for the detection of burden, morphology and distribution of atherosclerotic plaques in the left main bifurcation. International Journal of Cardiovascular Imaging, 2007, 23, 389-392.	1.5	40
20	Early Assessment of Myocardial Viability by the Use of Delayed Enhancement Computed Tomography After Primary Percutaneous Coronary Intervention. JACC: Cardiovascular Imaging, 2009, 2, 1072-1081.	5.3	40
21	Delayed enhancement cardiac computed tomography for the assessment of myocardial infarction: from bench to bedside. Cardiovascular Diagnosis and Therapy, 2017, 7, 159-170.	1.7	40
22	Defining thenon-vulnerable and vulnerable patients with computed tomography coronary angiography: evaluation of atherosclerotic plaque burden and composition. European Heart Journal Cardiovascular Imaging, 2016, 17, 481-491.	1.2	39
23	Effect of perindopril on coronary remodelling: insights from a multicentre, randomized study. European Heart Journal, 2007, 28, 2326-2331.	2.2	37
24	Advantages and disadvantages of biodegradable platforms in drug eluting stents. World Journal of Cardiology, 2011, 3, 84.	1.5	32
25	Incremental value of myocardial perfusion over coronary angiography by spectral computed tomography in patients with intermediate to high likelihood of coronary artery disease. European Journal of Radiology, 2015, 84, 637-642.	2.6	32
26	Comparison of Myocardial Perfusion Evaluation with Single Versus Dual-Energy CT and Effect of Beam-Hardening Artifacts. Academic Radiology, 2015, 22, 591-599.	2.5	32
27	Progression of coronary artery calcification at the crossroads: sign of progression or stabilization of coronary atherosclerosis?. Cardiovascular Diagnosis and Therapy, 2016, 6, 250-258.	1.7	29
28	Coronary calcium significantly affects quantitative analysis of coronary ultrasound: importance for atherosclerosis progression/regression studies. Coronary Artery Disease, 2009, 20, 409-414.	0.7	27
29	Beam hardening artifact reduction using dual energy computed tomography: implications for myocardial perfusion studies. Cardiovascular Diagnosis and Therapy, 2015, 5, 79-85.	1.7	25
30	Immediate and One-Year Outcome of Percutaneous Intervention of Saphenous Vein Graft Disease With Paclitaxel-Eluting Stents. American Journal of Cardiology, 2005, 96, 395-398.	1.6	24
31	Percutaneous coronary intervention with oral sirolimus and bare metal stents has comparable safety and efficacy to treatment with drug eluting stents, but with significant cost saving: long-term follow-up results from the randomised, controlled ORAR III (Oral Rapamycin in ARgentina) study. EuroIntervention, 2009, 5, 255-264.	3.2	24
32	Functional Evaluation of Coronary Disease by CT Angiography. JACC: Cardiovascular Imaging, 2015, 8, 1322-1335.	5.3	22
33	One-year clinical outcome after coronary stenting of very small vessels using 2.25 mm sirolimus- and paclitaxel-eluting stents: a comparison between the RESEARCH and T-SEARCH registries. Journal of Invasive Cardiology, 2005, 17, 409-12.	0.4	22
34	Geometrical validation of intravascular ultrasound radiofrequency data analysis (Virtual Histology) acquired with a 30 MHz boston scientific corporation imaging catheter. Catheterization and Cardiovascular Interventions, 2005, 66, 514-518.	1.7	21
35	In vivo Variability in Quantitative Coronary Ultrasound and Tissue Characterization Measurements with Mechanical and Phased-array Catheters. International Journal of Cardiovascular Imaging, 2006, 22, 47-53.	1.5	20
36	Metabolic disturbances and worsening of atherosclerotic lesions in ApoE-/- mice after cola beverages drinking. Cardiovascular Diabetology, 2013, 12, 57.	6.8	20

#	Article	IF	Citations
37	Exaggerated Interventricular Dependence Among Patients With Pectus Excavatum: Combined Assessment With Cardiac MRI and Chest CT. American Journal of Roentgenology, 2017, 208, 854-861.	2.2	20
38	Impact of pectus excavatum on cardiac morphology and function according to the site of maximum compression: effect of physical exertion and respiratory cycle. European Heart Journal Cardiovascular Imaging, 2020, 21, 77-84.	1.2	19
39	Effect of Intracycle Motion Correction Algorithm on Image Quality and Diagnostic Performance of Computed Tomography Coronary Angiography in Patients with Suspected Coronary Artery Disease. Academic Radiology, 2015, 22, 81-86.	2.5	17
40	Low-dose CT coronary angiography using iterative reconstruction with a 256-slice CT scanner. World Journal of Cardiology, 2013, 5, 382.	1.5	16
41	Coronary plaque composition as assessed by greyscale intravascular ultrasound and radiofrequency spectral data analysis. International Journal of Cardiovascular Imaging, 2008, 24, 811-818.	1.5	15
42	In vivo relationship between compositional and mechanical imaging of coronary arteries. American Heart Journal, 2006, 151, 1025.e1-1025.e6.	2.7	14
43	Left ventricular filling patterns in patients with previous myocardial infarction measured by conventional cine cardiac magnetic resonance. International Journal of Cardiovascular Imaging, 2012, 28, 795-801.	1.5	14
44	Rate of Atherosclerosis Progression in ApoEâˆ’/âˆ’ Mice Long After Discontinuation of Cola Beverage Drinking. PLoS ONE, 2014, 9, e89838.	2.5	14
45	Relationship between cardiac MR compression classification and CT chest wall indexes in patients with pectus excavatum. Journal of Pediatric Surgery, 2018, 53, 2294-2298.	1.6	14
46	Prevalence and characteristics of major and minor coronary artery anomalies in an adult population assessed by computed tomography coronary angiography. EuroIntervention, 2009, 4, 641-653.	3.2	14
47	Thoracic aorta cardiac-cycle related dynamic changes assessed with a 256-slice CT scanner. Cardiovascular Diagnosis and Therapy, 2013, 3, 125-8.	1.7	14
48	Chronic myocardial infarction detection and characterization during coronary artery calcium scoring acquisitions. Journal of Cardiovascular Computed Tomography, 2010, 4, 99-107.	1.3	13
49	Myocardial signal density levels and beam-hardening artifact attenuation using dual-energy computed tomography. Clinical Imaging, 2015, 39, 809-814.	1.5	13
50	Spectral Signal Density of Carotid Plaque Using Dualâ€Energy Computed Tomography. Journal of Neuroimaging, 2017, 27, 511-516.	2.0	13
51	Efficacy and safety of a doubleâ€coated paclitaxelâ€eluting coronary stent: The EUCATAX trial. Catheterization and Cardiovascular Interventions, 2011, 77, 335-342.	1.7	12
52	Randomized comparison of costâ€saving and effectiveness of oral rapamycin plus bareâ€metal stents with drugâ€eluting stents: Threeâ€year outcome from the randomized oral rapamycin in Argentina (ORAR) III trial. Catheterization and Cardiovascular Interventions, 2012, 80, 385-394.	1.7	12
53	Pericardial and visceral, but not total body fat, are related to global coronary and extra-coronary atherosclerotic plaque burden. International Journal of Cardiology, 2018, 260, 204-210.	1.7	12
54	Pericardial fat volume is related to atherosclerotic plaque burden rather than to lesion severity. European Heart Journal Cardiovascular Imaging, 2017, 18, 795-801.	1.2	10

#	Article	IF	Citations
55	Regional differences of fat depot attenuation using non-contrast, contrast-enhanced, and delayed-enhanced cardiac CT. Acta Radiologica, 2019, 60, 459-467.	1.1	10
56	Preoperative multimodality imaging of pectus excavatum: State of the art review and call for standardization. European Journal of Radiology, 2019, 117, 140-148.	2.6	10
57	Dual energy imaging and intracycle motion correction for CT coronary angiography in patients with intermediate to high likelihood of coronary artery disease. Clinical Imaging, 2015, 39, 1000-1005.	1.5	9
58	Evaluation of pectus excavatum indexes during standard cardiac magnetic resonance: Potential for single preoperative tool. Clinical Imaging, 2019, 53, 138-142.	1.5	9
59	Impact on mortality of coronary and non-coronary cardiovascular findings in non-gated thoracic CT by malignancy status. European Journal of Radiology, 2017, 93, 169-177.	2.6	8
60	Detection of Myocardial Infarction Using Delayed Enhancement Dual-Energy CT in Stable Patients. American Journal of Roentgenology, 2017, 209, 1023-1032.	2.2	8
61	Invasive coronary angiography findings across the CAD-RADS classification spectrum. International Journal of Cardiovascular Imaging, 2019, 35, 1955-1961.	1.5	8
62	Prognostic Value of Vascular Calcifications and Regional Fat Depots Derived From Conventional Chest Computed Tomography. Journal of Thoracic Imaging, 2019, 34, 33-40.	1.5	8
63	Sternal torsion in pectus excavatum is related to cardiac compression and chest malformation indexes. Journal of Pediatric Surgery, 2020, 55, 619-624.	1.6	8
64	First-in-man prospective evaluation of temporal changes in coronary plaque composition by in vivo intravascular ultrasound radiofrequency data analysis: an Integrated Biomarker and Imaging Study (IBIS) substudy. EuroIntervention, 2005, 1, 282-8.	3.2	8
65	Guidance of percutaneous coronary interventions by multidetector row computed tomography coronary angiography. EuroIntervention, 2011, 6, 773-778.	3.2	7
66	In-vivo, cardiac-cycle related intimal displacement of coronary plaques assessed by 3-D ECG-gated intravascular ultrasound: exploring its correlate with tissue deformability identified by palpography. International Journal of Cardiovascular Imaging, 2006, 22, 147-152.	1.5	6
67	Parameters for coronary plaque vulnerability assessed with multidetector computed tomography and intracoronary ultrasound correlation. Journal of Cardiovascular Medicine, 2009, 10, 821-826.	1.5	6
68	Effect of Doxycycline on Atherosclerosis: From Bench to Bedside. Recent Patents on Cardiovascular Drug Discovery, 2011, 6, 42-54.	1.5	6
69	Improved Discrimination of Myocardial Perfusion Defects at Low Energy Levels Using Virtual Monochromatic Imaging. Journal of Computer Assisted Tomography, 2017, 41, 661-667.	0.9	6
70	Paclitaxel eluting stents for the treatment of angiographically nonâ€significant atherosclerotic lesions. International Journal of Cardiovascular Interventions, 2005, 7, 68-71.	0.5	4
71	Modified scan protocol using multislice CT coronary angiography allows high quality acquisitions in obese patients: a case report. International Journal of Cardiovascular Imaging, 2007, 23, 265-267.	1.5	4
72	Quantification of scientific output in cardiovascular medicine: a perspective based on global data. EuroIntervention, 2013, 9, 975-978.	3.2	4

#	Article	IF	Citations
73	Myocardial perfusion imaging and infarct characterization using multidetector cardiac computed tomography. World Journal of Cardiology, 2010, 2, 198.	1.5	4
74	Late stent thrombosis: the Damocle's sword of drug eluting stents?. EuroIntervention, 2007, 2, 512-7.	3.2	4
75	Positive remodeling at 3 year follow up is associated with plaque free coronary wall segment at baseline: A serial IVUS study. Atherosclerosis, 2014, 236, 82-90.	0.8	3
76	Extension and Spatial Distribution of Atherosclerotic Burden Using Virtual Monochromatic Imaging Derived From Dual-energy Computed Tomography. Revista Espanola De Cardiologia (English Ed), 2016, 69, 915-922.	0.6	3
77	Virtual Monochromatic Imaging in Patients with Intermediate to High Likelihood of Coronary Artery Disease. Academic Radiology, 2016, 23, 1490-1497.	2.5	3
78	Noninvasive Cardiac Imaging in Patients with Known and Suspected Coronary Artery Disease: What is in it for the Interventional Cardiologist?. Current Cardiology Reports, 2016, 18, 3.	2.9	3
79	Role of Iterative Reconstruction Algorithm for the Assessment of Myocardial Infarction with Dual Energy Computed Tomography. Academic Radiology, 2019, 26, e260-e266.	2.5	3
80	Atherosclerotic plaque burden evaluated from neck to groin: effect of gender and cardiovascular risk factors. International Journal of Cardiovascular Imaging, 2019, 35, 907-915.	1.5	3
81	Diastolic and Systolic Cardiac Dysfunction in Pectus Excavatum: Relationship to Exercise and Malformation Severity. Radiology: Cardiothoracic Imaging, 2020, 2, e200011.	2.5	3
82	Usefulness of strain cardiac magnetic resonance for the exposure of mild left ventricular systolic abnormalities in pectus excavatum. Journal of Pediatric Surgery, 2022, 57, 319-324.	1.6	3
83	Anatomic or functional testing in stable patients with suspected CAD: contemporary role of cardiac CT in the ISCHEMIA trial era. International Journal of Cardiovascular Imaging, 2020, 36, 1351-1362.	1.5	2
84	Underlying mechanisms involved in the icosapent ethyl reduction of cardiovascular events still cannot be attributed to an anti-atherosclerotic effect. European Heart Journal, 2021, 42, 3023-3024.	2.2	2
85	Early Triage of Cardioembolic Sources Using Chest Spectral Computed Tomography in Acute Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105731.	1.6	2
86	Emerging role of spectral computed tomography in neurocardiology. Reviews in Cardiovascular Medicine, 2021, 22, 51.	1.4	2
87	Application of multislice computed tomography coronary angiography for the diagnostic work-up of acute coronary syndromes. International Journal of Cardiology, 2007, 115, 93-94.	1.7	1
88	AsociaciÃ³n entre patrones de llenado ventricular y extensiÃ³n del realce tardÃo por resonancia magnÃ©tica en pacientes con miocardiopatÃa hipertrÃ³fica. Radiologia, 2017, 59, 56-63.	0.5	1
89	Abdominal Obesity as aÂRisk Predictor. Journal of the American College of Cardiology, 2018, 71, 1398-1399.	2.8	1
90	Letter by Rodriguez-Granillo et al Regarding Article, â€œAcute Myocardial Infarction: Changes in Patient Characteristics, Management, and 6-Month Outcomes Over a Period of 20 Years in the FAST-MI Program (French Registry of Acute ST-Elevation or Non-ST-Elevation Myocardial Infarction) 1995 to 2015â€• Circulation, 2018, 137, 2305-2306.	1.6	1

#	Article	IF	Citations
91	Detection of coronary inflammation. Lancet, The, 2019, 393, 2198-2199.	13.7	1
92	Comment on Elliott et al. Prevalence and Prognosis of Unrecognized Myocardial Infarction in Asymptomatic Patients With Diabetes: A Two-Center Study With Up to 5 Years of Follow-up. Diabetes Care 2019;42:1290â€“1296. Diabetes Care, 2019, 42, e155-e155.	8.6	1
93	Reproducibility of Gadolinium Enhancement Patterns and Wall Thickness in Hypertrophic Cardiomyopathy. Arquivos Brasileiros De Cardiologia, 2016, 107, 48-54.	0.8	1
94	Dual energy cardiac computed tomography. Minerva Cardiology and Angiology, 2017, 65, 265 - 277.	0.7	1
95	Detection of a necrotic core-rich, highly deformable plaque in an angiographically non-diseased proximal LAD. EuroIntervention, 2005, 1, 367.	3.2	1
96	Assessment of carotid plaque with intravascular ultrasound. , 2006, , 223-234.		0
97	Chronological changes of aortic and hepatic lesions in apolipoprotein E deficient miceâ˜†. Artery Research, 2011, 5, 109.	0.6	0
98	Relationship between QRS characteristics and delayed-enhancement cardiac magnetic resonance in patients with ischemic cardiomyopathy. Artery Research, 2014, 8, 88.	0.6	0
99	Dual Energy CT Imaging for the Assessment of Coronary Artery Stenosis. , 2015, , 173-193.		0
100	Cardiovascular thrombotic complications in acute ischemic stroke assessed by chest spectral computed tomography during COVID-19. Minerva Cardiology and Angiology, 2021, 69, 606-618.	0.7	0
101	DisecciÃ³n de tronco de arteria coronaria izquierda y ostium de coronaria derecha en paciente puÃ©rpera. Revista Argentina De CardioangiologÃa Intervencionista, 2012, 3, 0216-0219.	0.0	0
102	CT Angiography Versus Routine Stress Testing for Patients with Chest Pain Seen in the Emergency Room to Exclude Significant Coronary Artery Disease. , 2015, , 83-98.		0
103	Perfil cardiometabÃ³lico adverso de pacientes sanos en exÃ¡menes clÃnicos periÃ³dicos de salud. Revista Argentina De CardioangiologÃa Intervencionista, 2016, 7, 0129-0135.	0.0	0
104	Novel developments of CT: myocardial perfusion, hemodynamic assessment derived from anatomy, infarct characterization, and role of microvascular function. Cardiovascular Diagnosis and Therapy, 2017, 7, 110-111.	1.7	0
105	Nuevas guÃas ACC/AHA sobre el manejo de dislipemias: tiempo de implementar el score de calcio como herramienta de prevenciÃ³n primaria. Revista Argentina De CardioangiologÃa Intervencionista, 2019, 10, 0017-0020.	0.0	0
106	Relationship between left atrial dimensions and global and regional fat depots. Archivos De Cardiologï¿½a De Mï¿½xico (English Ed Internet), 2019, 89, 8-14.	0.0	0
107	Epicardial and periaortic fat characteristics in ischemic stroke: Relationship with stroke etiology and calcification burden. European Journal of Radiology, 2022, 146, 110102.	2.6	0
108	Thrombus discrimination using quantitative assessment of late-enhancement iodine maps and low monoenergetic imaging. Revista Espanola De Cardiologia (English Ed), 2022, , .	0.6	0