

Javier SÃ¡nchez-GonzÃ¡lez

List of Publications by Year in descending order

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93
papers

3,543
citations

159525

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149623

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all docs

96
docs citations

96
times ranked

6062
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence, Vascular Distribution, and Multiterritorial Extent of Subclinical Atherosclerosis in a Middle-Aged Cohort. <i>Circulation</i> , 2015, 131, 2104-2113.	1.6	352
2	Cardiac MRI Endpoints in Myocardial Infarction Experimental and Clinical Trials. <i>Journal of the American College of Cardiology</i> , 2019, 74, 238-256.	1.2	235
3	Myocardial Edema After Ischemia/Reperfusion Is Not Stable and Follows a Bimodal Pattern. <i>Journal of the American College of Cardiology</i> , 2015, 65, 315-323.	1.2	185
4	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.	1.2	174
5	Long-Term Benefit of Early Pre-Reperfusion Metoprolol Administration in Patients With Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2014, 63, 2356-2362.	1.2	162
6	White matter microstructure correlates of mathematical giftedness and intelligence quotient. <i>Human Brain Mapping</i> , 2014, 35, 2619-2631.	1.9	144
7	Pathophysiology Underlying the Bimodal Edema Phenomenon After Myocardial Ischemia/Reperfusion. <i>Journal of the American College of Cardiology</i> , 2015, 66, 816-828.	1.2	123
8	Decreased Corticospinal Tract Fractional Anisotropy Predicts Long-term Motor Outcome After Stroke. <i>Stroke</i> , 2013, 44, 2016-2018.	1.0	113
9	Vascular Inflammation in Subclinical Atherosclerosis Detected by Hybrid PET/MRI. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1371-1382.	1.2	111
10	Dynamic Edematous Response of the Human Heart to Myocardial Infarction. <i>Circulation</i> , 2017, 136, 1288-1300.	1.6	107
11	Subclinical Atherosclerosis Burden by 3D Ultrasound in Mid-Life. <i>Journal of the American College of Cardiology</i> , 2017, 70, 301-313.	1.2	94
12	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.	1.2	84
13	Association of Myocardial T1-Mapping CMR With Hemodynamics and RV Performance in Pulmonary Hypertension. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 76-82.	2.3	71
14	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.	1.6	68
15	Mathematically gifted adolescents use more extensive and more bilateral areas of the fronto-parietal network than controls during executive functioning and fluid reasoning tasks. <i>NeuroImage</i> , 2011, 57, 281-292.	2.1	65
16	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.	2.0	62
17	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.	1.2	61
18	Takotsubo Cardiomyopathy: Assessment With Cardiac MRI. <i>American Journal of Roentgenology</i> , 2010, 195, W139-W145.	1.0	58

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19	Assessment of the increase in variability when combining volumetric data from different scanners. <i>Human Brain Mapping</i> , 2009, 30, 355-368.	1.9	48
20	Diffusion-Weighted Imaging of the Chest. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2011, 19, 69-94.	0.6	48
21	Quantitative muscle MRI to follow up late onset Pompe patients: a prospective study. <i>Scientific Reports</i> , 2018, 8, 10898.	1.6	44
22	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, .	1.6	43
23	Generation and characterization of a novel knockin minipig model of Hutchinson-Gilford progeria syndrome. <i>Cell Discovery</i> , 2019, 5, 16.	3.1	43
24	Minimum-norm reconstruction for sensitivity-encoded magnetic resonance spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 287-295.	1.9	38
25	¹ H MR Spectroscopy in the Assessment of Gliomatosis Cerebri. <i>American Journal of Roentgenology</i> , 2007, 188, 710-714.	1.0	38
26	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, .	1.6	38
27	In vivo ratiometric optical mapping enables high-resolution cardiac electrophysiology in pig models. <i>Cardiovascular Research</i> , 2019, 115, 1659-1671.	1.8	38
28	Clinical Imaging of Tumor Metabolism with ¹ H Magnetic Resonance Spectroscopy. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2016, 24, 57-86.	0.6	36
29	Non invasive blood flow measurement in cerebellum detects minimal hepatic encephalopathy earlier than psychometric tests. <i>World Journal of Gastroenterology</i> , 2014, 20, 11815.	1.4	36
30	Remote ischaemic preconditioning ameliorates anthracycline-induced cardiotoxicity and preserves mitochondrial integrity. <i>Cardiovascular Research</i> , 2021, 117, 1132-1143.	1.8	35
31	Association Between Left Ventricular Noncompaction and Vigorous Physical Activity. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1723-1733.	1.2	34
32	Bone marrow activation in response to metabolic syndrome and early atherosclerosis. <i>European Heart Journal</i> , 2022, 43, 1809-1828.	1.0	34
33	Metoprolol blunts the time-dependent progression of infarct size. <i>Basic Research in Cardiology</i> , 2020, 115, 55.	2.5	32
34	Coronary microcirculation damage in anthracycline cardiotoxicity. <i>Cardiovascular Research</i> , 2022, 118, 531-541.	1.8	32
35	Intravoxel Incoherent Motion Metrics as Potential Biomarkers for Survival in Glioblastoma. <i>PLoS ONE</i> , 2016, 11, e0158887.	1.1	32
36	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.	2.5	30

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37	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.	1.2	30
38	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.	1.6	28
39	Findings of proton magnetic resonance spectrometry in the dorsolateral prefrontal cortex in adolescents with first episodes of psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2007, 156, 33-42.	0.9	27
40	Follow-up of late-onset Pompe disease patients with muscle magnetic resonance imaging reveals increase in fat replacement in skeletal muscles. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1032-1046.	2.9	25
41	Subclinical Atherosclerosis and Brain Metabolism in Middle-Aged Individuals. <i>Journal of the American College of Cardiology</i> , 2021, 77, 888-898.	1.2	24
42	Novel equation to determine the hepatic triglyceride concentration in humans by MRI: diagnosis and monitoring of NAFLD in obese patients before and after bariatric surgery. <i>BMC Medicine</i> , 2014, 12, 137.	2.3	20
43	Left ventricular functional recovery of infarcted and remote myocardium after ST-segment elevation myocardial infarction (METOCARD-CNIC randomized clinical trial substudy). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 44.	1.6	19
44	Effects of Colchicine on Atherosclerotic Plaque Stabilization: a Multimodality Imaging Study in an Animal Model. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 150-160.	1.1	19
45	Overload hepatitides: quanti-qualitative analysis. <i>Abdominal Imaging</i> , 2012, 37, 180-187.	2.0	18
46	Translational large animal model of hibernating myocardium: characterization by serial multimodal imaging. <i>Basic Research in Cardiology</i> , 2020, 115, 33.	2.5	18
47	Functional MR Imaging in Chest Malignancies. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2016, 24, 135-155.	0.6	17
48	Cortical morphometry in frontoparietal and default mode networks in math-gifted adolescents. <i>Human Brain Mapping</i> , 2016, 37, 1893-1902.	1.9	16
49	Accurate quantification of atherosclerotic plaque volume by 3D vascular ultrasound using the volumetric linear array method. <i>Atherosclerosis</i> , 2016, 248, 230-237.	0.4	16
50	Effect of pulmonary artery denervation in postcapillary pulmonary hypertension: results of a randomized controlled translational study. <i>Basic Research in Cardiology</i> , 2019, 114, 5.	2.5	16
51	Effect of Early Metoprolol During ST-Segment Elevation Myocardial Infarction on Left Ventricular Strain. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1188-1198.	2.3	15
52	Five-Year Outcomes and Prognostic Value of Feature-Tracking Cardiovascular Magnetic Resonance in Patients Receiving Early Prereperfusion Metoprolol in Acute Myocardial Infarction. <i>American Journal of Cardiology</i> , 2020, 133, 39-47.	0.7	14
53	Is diffusion tensor imaging useful in the assessment of the sciatic nerve and its pathologies? Our clinical experience. <i>British Journal of Radiology</i> , 2016, 89, 20150728.	1.0	13
54	New 3-Dimensional Volumetric Ultrasound Method for Accurate Quantification of Atherosclerotic Plaque Volume. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 1124-1135.	2.3	13

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55	High-resolution blood-pool-contrast-enhanced MR angiography in glioblastoma: tumor-associated neovascularization as a biomarker for patient survival. A preliminary study. <i>Neuroradiology</i> , 2016, 58, 17-26.	1.1	12
56	Three-dimensional cardiac fibre disorganization as a novel parameter for ventricular arrhythmia stratification after myocardial infarction. <i>Europace</i> , 2019, 21, 822-832.	0.7	12
57	Clinical Validation of a 3-Dimensional Ultrafast Cardiac Magnetic Resonance Protocol Including Single Breath-Hold 3-Dimensional Sequences. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1742-1754.	2.3	12
58	Increased Corticospinal Tract Fractional Anisotropy Can Discriminate Stroke Onset Within the First 4.5 Hours. <i>Stroke</i> , 2013, 44, 1162-1165.	1.0	11
59	Intravenous metoprolol during ongoing STEMI ameliorates markers of ischemic injury: a METOCARD-CNIC trial electrocardiographic study. <i>Basic Research in Cardiology</i> , 2021, 116, 45.	2.5	11
60	Brief Research Report: Quantitative Analysis of Potential Coronary Microvascular Disease in Suspected Long-COVID Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	1.1	11
61	Gd ³⁺ -Si oxide mesoporous nanoparticles with pre-formed morphology prepared from a Prussian blue analogue template. <i>Dalton Transactions</i> , 2015, 44, 14034-14041.	1.6	10
62	Albumin-binding MR blood pool contrast agent improves diagnostic performance in human brain tumour: comparison of two contrast agents for glioblastoma. <i>European Radiology</i> , 2013, 23, 1093-1101.	2.3	9
63	Magnetic Resonance Characterization of Cardiac Adaptation and Myocardial Fibrosis in Pulmonary Hypertension Secondary to Systemic-To-Pulmonary Shunt. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	9
64	Accuracy of Area at Risk Quantification by Cardiac Magnetic Resonance According to the Myocardial Infarction Territory. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2017, 70, 323-330.	0.4	9
65	Preoperative platelet-lymphocyte ratio is an independent factor of poor prognosis after curative surgery for colon cancer. <i>Updates in Surgery</i> , 2018, 70, 33-39.	0.9	9
66	Mirabegron, a Clinically Approved Î² ₃ Adrenergic Receptor Agonist, Does Not Reduce Infarct Size in a Swine Model of Reperfused Myocardial Infarction. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 310-318.	1.1	9
67	Accurate fat fraction quantification by multiecho gradient-recalled-echo magnetic resonance at 1.5T in rats with nonalcoholic fatty liver disease. <i>European Journal of Radiology</i> , 2012, 81, 1122-1127.	1.2	8
68	Adipose tissue R_2^* signal is increased in subjects with obesity: A preliminary MRI study. <i>Obesity</i> , 2016, 24, 352-358.	1.5	8
69	Impacto del territorio miocárdico infartado en la cuantificación del área en riesgo mediante cardi resonancia magnética. <i>Revista Espanola De Cardiologia</i> , 2017, 70, 323-330.	0.6	8
70	Implications of bipolar voltage mapping and magnetic resonance imaging resolution in biventricular scar characterization after myocardial infarction. <i>Europace</i> , 2019, 21, 163-174.	0.7	8
71	Higher-order diffusion MRI characterization of mesorectal lymph nodes in rectal cancer. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 348-364.	1.9	8
72	T2 Mapping Identifies Early Anthracycline-Induced Cardiotoxicity in Elderly Patients With Cancer. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1630-1632.	2.3	8

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73	Animal Models of Tissue Characterization of Area at Risk, Edema and Fibrosis. <i>Current Cardiovascular Imaging Reports</i> , 2014, 7, 1.	0.4	7
74	Extracellular Volume Detects Amyloidotic Cardiomyopathy and Correlates With Neurological Impairment in Transthyretin-familial Amyloidosis. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2016, 69, 923-930.	0.4	6
75	Systolic flow displacement using 3D magnetic resonance imaging in an experimental model of ascending aorta aneurysm: impact of rheological factors. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 50, 685-692.	0.6	6
76	Influence of the arterial input sampling location on the diagnostic accuracy of cardiovascular magnetic resonance stress myocardial perfusion quantification. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 35.	1.6	6
77	Single breath-hold saturation recovery 3D cardiac T1 mapping via compressed SENSE at 3T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 865-876.	1.1	5
78	Time-efficient three-dimensional transmural scar assessment provides relevant substrate characterization for ventricular tachycardia features and long-term recurrences in ischemic cardiomyopathy. <i>Scientific Reports</i> , 2021, 11, 18722.	1.6	5
79	Carotid pulse wave velocity by magnetic resonance imaging is increased in middle-aged subjects with the metabolic syndrome. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 603-612.	0.7	4
80	Macrovascular Networks on Contrast-Enhanced Magnetic Resonance Imaging Improves Survival Prediction in Newly Diagnosed Glioblastoma. <i>Cancers</i> , 2019, 11, 84.	1.7	4
81	R2 prime (R2 ²) magnetic resonance imaging for post-myocardial infarction intramyocardial haemorrhage quantification. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1031-1038.	0.5	4
82	Impact of the Arterial Input Sampling Location on CMR First-Pass Myocardial Perfusion Quantification. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2693-2695.	2.3	4
83	Magnetization Transfer Ratio in Lower Limbs of Late Onset Pompe Patients Correlates With Intramuscular Fat Fraction and Muscle Function Tests. <i>Frontiers in Neurology</i> , 2021, 12, 634766.	1.1	4
84	DWI at 3 T: Advantages, Disadvantages, Pitfalls, and Advanced Clinical Applications. , 2012, , 51-73.		3
85	Response by Fernández-Jiménez et al to Letters Regarding Article, "Dynamic Edematous Response of the Human Heart to Myocardial Infarction: Implications for Assessing Myocardial Area at Risk and Salvage". <i>Circulation</i> , 2018, 137, 1754-1755.	1.6	3
86	Myocardial Extracellular Volume Is Not Associated With Malignant Ventricular Arrhythmias in High-risk Hypertrophic Cardiomyopathy. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2017, 70, 933-940.	0.4	2
87	El volumen extracelular no se asocia a arritmias malignas en miocardiopatía hipertrófica de alto riesgo. <i>Revista Espanola De Cardiologia</i> , 2017, 70, 933-940.	0.6	2
88	Variations in T2-Mapping-Assessed Area at Risk After Experimental Ischemia/Reperfusion. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 1040-1042.	1.1	2
89	High-Resolution Free-Breathing Quantitative First-Pass Perfusion Cardiac MR Using Dual-Echo Dixon With Spatio-Temporal Acceleration. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 884221.	1.1	2
90	Early Stopping in Experimentation With Real-Time Functional Magnetic Resonance Imaging Using a Modified Sequential Probability Ratio Test. <i>Frontiers in Neuroscience</i> , 2021, 15, 643740.	1.4	1

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91	Letter by Fernandez-Jimenez et al Regarding Article, "Protective Effects of Ticagrelor on Myocardial Injury After Infarction". Circulation, 2017, 135, e1002-e1003.	1.6	0
92	Image Acquisition: Modality and Protocol Definition. , 2017, , 45-52.		0
93	Reply. Journal of the American College of Cardiology, 2019, 73, 3360.	1.2	0