Javier SÃ;nchez-GonzÃ;lez

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Coronary microcirculation damage in anthracycline cardiotoxicity. Cardiovascular Research, 2022, 118, 531-541.	3.8	32
2	Bone marrow activation in response to metabolic syndrome and early atherosclerosis. European Heart Journal, 2022, 43, 1809-1828.	2.2	34
3	New 3-Dimensional Volumetric Ultrasound Method for Accurate Quantification of Atherosclerotic PlaqueÂVolume. JACC: Cardiovascular Imaging, 2022, 15, 1124-1135.	5.3	13
4	High-Resolution Free-Breathing Quantitative First-Pass Perfusion Cardiac MR Using Dual-Echo Dixon With Spatio-Temporal Acceleration. Frontiers in Cardiovascular Medicine, 2022, 9, 884221.	2.4	2
5	Brief Research Report: Quantitative Analysis of Potential Coronary Microvascular Disease in Suspected Long-COVID Syndrome. Frontiers in Cardiovascular Medicine, 2022, 9, .	2.4	11
6	Effects of Colchicine on Atherosclerotic Plaque Stabilization: a Multimodality Imaging Study in an Animal Model. Journal of Cardiovascular Translational Research, 2021, 14, 150-160.	2.4	19
7	Remote ischaemic preconditioning ameliorates anthracycline-induced cardiotoxicity and preserves mitochondrial integrity. Cardiovascular Research, 2021, 117, 1132-1143.	3.8	35
8	Subclinical Atherosclerosis and Brain Metabolism in Middle-Aged Individuals. Journal of the American College of Cardiology, 2021, 77, 888-898.	2.8	24
9	Variations in T2-Mapping-Assessed Area at Risk After Experimental Ischemia/Reperfusion. Journal of Cardiovascular Translational Research, 2021, 14, 1040-1042.	2.4	2
10	Influence of the arterial input sampling location on the diagnostic accuracy of cardiovascular magnetic resonance stressÂmyocardial perfusion quantification. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 35.	3.3	6
11	Magnetization Transfer Ratio in Lower Limbs of Late Onset Pompe Patients Correlates With Intramuscular Fat Fraction and Muscle Function Tests. Frontiers in Neurology, 2021, 12, 634766.	2.4	4
12	Intravenous metoprolol during ongoing STEMI ameliorates markers of ischemic injury: a METOCARD-CNIC trial electrocardiographic study. Basic Research in Cardiology, 2021, 116, 45.	5.9	11
13	Time-efficient three-dimensional transmural scar assessment provides relevant substrate characterization for ventricular tachycardia features and long-term recurrences in ischemic cardiomyopathy. Scientific Reports, 2021, 11, 18722.	3.3	5
14	Clinical Validation of a 3-Dimensional Ultrafast Cardiac Magnetic Resonance Protocol Including Single Breath-Hold 3-Dimensional Sequences. JACC: Cardiovascular Imaging, 2021, 14, 1742-1754.	5.3	12
15	Early Stopping in Experimentation With Real-Time Functional Magnetic Resonance Imaging Using a Modified Sequential Probability Ratio Test. Frontiers in Neuroscience, 2021, 15, 643740.	2.8	1
16	R2 prime (R2′) magnetic resonance imaging for post-myocardial infarction intramyocardial haemorrhage quantification. European Heart Journal Cardiovascular Imaging, 2020, 21, 1031-1038.	1.2	4
17	Higherâ€order diffusion MRI characterization of mesorectal lymph nodes in rectal cancer. Magnetic Resonance in Medicine, 2020, 84, 348-364.	3.0	8
18	Association Between Left Ventricular Noncompaction and Vigorous Physical Activity. Journal of the American College of Cardiology, 2020, 76, 1723-1733.	2.8	34

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19	Impact of the Arterial Input Sampling Location on CMR First-Pass Myocardial Perfusion Quantification. JACC: Cardiovascular Imaging, 2020, 13, 2693-2695.	5.3	4
20	Metoprolol blunts the time-dependent progression of infarct size. Basic Research in Cardiology, 2020, 115, 55.	5.9	32
21	Five-Year Outcomes and Prognostic Value of Feature-Tracking Cardiovascular Magnetic Resonance in Patients Receiving Early Prereperfusion Metoprolol in Acute Myocardial Infarction. American Journal of Cardiology, 2020, 133, 39-47.	1.6	14
22	Single breath-hold saturation recovery 3D cardiac T1 mapping via compressed SENSE at 3T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 865-876.	2.0	5
23	T2 Mapping Identifies Early Anthracycline-Induced Cardiotoxicity in Elderly Patients With Cancer. JACC: Cardiovascular Imaging, 2020, 13, 1630-1632.	5.3	8
24	Left ventricular functional recovery of infarcted and remote myocardium after ST-segment elevation myocardial infarction (METOCARD-CNIC randomized clinical trial substudy). Journal of Cardiovascular Magnetic Resonance, 2020, 22, 44.	3.3	19
25	Followâ€up of lateâ€onset Pompe disease patients with muscle magnetic resonance imaging reveals increase in fat replacement in skeletal muscles. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1032-1046.	7.3	25
26	Translational large animal model of hibernating myocardium: characterization by serial multimodal imaging. Basic Research in Cardiology, 2020, 115, 33.	5.9	18
27	Cardiac MRI Endpoints in MyocardialÂInfarction Experimental andÂClinicalÂTrials. Journal of the American College of Cardiology, 2019, 74, 238-256.	2.8	235
28	Reply. Journal of the American College of Cardiology, 2019, 73, 3360.	2.8	0
29	Long-Term Dabigatran Treatment Delays Alzheimer's Disease Pathogenesis in the TgCRND8ÂMouse Model. Journal of the American College of Cardiology, 2019, 74, 1910-1923.	2.8	61
30	Vascular Inflammation in Subclinical Atherosclerosis Detected by Hybrid PET/MRI. Journal of the American College of Cardiology, 2019, 73, 1371-1382.	2.8	111
31	Generation and characterization of a novel knockin minipig model of Hutchinson-Gilford progeria syndrome. Cell Discovery, 2019, 5, 16.	6.7	43
32	Serial Magnetic Resonance Imaging toÂldentify Early Stages of Anthracycline-Induced Cardiotoxicity. Journal of the American College of Cardiology, 2019, 73, 779-791.	2.8	174
33	In vivo ratiometric optical mapping enables high-resolution cardiac electrophysiology in pig models. Cardiovascular Research, 2019, 115, 1659-1671.	3.8	38
34	Effect of Early Metoprolol During ST-Segment Elevation Myocardial Infarction on Left Ventricular Strain. JACC: Cardiovascular Imaging, 2019, 12, 1188-1198.	5.3	15
35	Macrovascular Networks on Contrast-Enhanced Magnetic Resonance Imaging Improves Survival Prediction in Newly Diagnosed Glioblastoma. Cancers, 2019, 11, 84.	3.7	4
36	Effect of pulmonary artery denervation in postcapillary pulmonary hypertension: results of a randomized controlled translational study. Basic Research in Cardiology, 2019, 114, 5.	5.9	16

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37	Three-dimensional cardiac fibre disorganization as a novel parameter for ventricular arrhythmia stratification after myocardial infarction. Europace, 2019, 21, 822-832.	1.7	12
38	Implications of bipolar voltage mapping and magnetic resonance imaging resolution in biventricular scar characterization after myocardial infarction. Europace, 2019, 21, 163-174.	1.7	8
39	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― Circulation, 2018, 137, 1754-1755.	1.6	3
40	Transplantation of Allogeneic Pericytes Improves Myocardial Vascularization and Reduces Interstitial Fibrosis in a Swine Model of Reperfused Acute Myocardial Infarction. Journal of the American Heart Association, 2018, 7, .	3.7	38
41	Preoperative platelet–lymphocyte ratio is an independent factor of poor prognosis after curative surgery for colon cancer. Updates in Surgery, 2018, 70, 33-39.	2.0	9
42	Mirabegron, a Clinically Approved β3 Adrenergic Receptor Agonist, Does Not Reduce Infarct Size in a Swine Model of Reperfused Myocardial Infarction. Journal of Cardiovascular Translational Research, 2018, 11, 310-318.	2.4	9
43	Quantitative muscle MRI to follow up late onset Pompe patients: a prospective study. Scientific Reports, 2018, 8, 10898.	3.3	44
44	Impacto del territorio miocárdico infartado enÂlaÂcuantificación delÂárea enÂriesgo mediante cardiorresonancia magnética. Revista Espanola De Cardiologia, 2017, 70, 323-330.	1.2	8
45	Bloodless reperfusion with the oxygen carrier HBOC-201 in acute myocardial infarction: a novel platform for cardioprotective probes delivery. Basic Research in Cardiology, 2017, 112, 17.	5.9	30
46	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. Journal of the American Heart Association, 2017, 6, .	3.7	43
47	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
48	Effect of Ischemia Duration and Protective Interventions on the Temporal Dynamics of Tissue Composition After Myocardial Infarction. Circulation Research, 2017, 121, 439-450.	4.5	62
49	Myocardial Extracellular Volume Is Not Associated With Malignant Ventricular Arrhythmias in High-risk Hypertrophic Cardiomyopathy. Revista Espanola De Cardiologia (English Ed), 2017, 70, 933-940.	0.6	2
50	El volumen extracelular no se asocia a arritmias malignas en miocardiopatÃa hipertrófica de alto riesgo. Revista Espanola De Cardiologia, 2017, 70, 933-940.	1.2	2
51	Subclinical Atherosclerosis Burden by 3DÂUltrasound in Mid-Life. Journal of the American College of Cardiology, 2017, 70, 301-313.	2.8	94
52	Dynamic Edematous Response of the Human Heart to Myocardial Infarction. Circulation, 2017, 136, 1288-1300.	1.6	107
53	Image Acquisition: Modality and Protocol Definition. , 2017, , 45-52.		0
54	Accuracy of Area at Risk Quantification by Cardiac Magnetic Resonance According to the Myocardial Infarction Territory. Revista Espanola De Cardiologia (English Ed), 2017, 70, 323-330.	0.6	9

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55	Atrial Infarction and Ischemic Mitral Regurgitation Contribute to Post-MI Remodeling of the Left Atrium. Journal of the American College of Cardiology, 2017, 70, 2878-2889.	2.8	30
56	Adipose tissue <scp>R2</scp> * signal is increased in subjects with obesity: A preliminary <scp>MRI</scp> study. Obesity, 2016, 24, 352-358.	3.0	8
57	Cortical morphometry in frontoparietal and default mode networks in mathâ€gifted adolescents. Human Brain Mapping, 2016, 37, 1893-1902.	3.6	16
58	Impact of the Timing of Metoprolol Administration During STEMI on InfarctÂSize and Ventricular Function. Journal of the American College of Cardiology, 2016, 67, 2093-2104.	2.8	84
59	Extracellular Volume Detects Amyloidotic Cardiomyopathy and Correlates With Neurological Impairment in Transthyretin-familial Amyloidosis. Revista Espanola De Cardiologia (English Ed), 2016, 69, 923-930.	0.6	6
60	Magnetic Resonance Characterization of Cardiac Adaptation and Myocardial Fibrosis in Pulmonary Hypertension Secondary to Systemic-To-Pulmonary Shunt. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	9
61	Is diffusion tensor imaging useful in the assessment of the sciatic nerve and its pathologies? Our clinical experience. British Journal of Radiology, 2016, 89, 20150728.	2.2	13
62	Accurate quantification of atherosclerotic plaque volume by 3D vascular ultrasound using the volumetric linear array method. Atherosclerosis, 2016, 248, 230-237.	0.8	16
63	Systolic flow displacement using 3D magnetic resonance imaging in an experimental model of ascending aorta aneurysm: impact of rheological factors. European Journal of Cardio-thoracic Surgery, 2016, 50, 685-692.	1.4	6
64	Functional MR Imaging in Chest Malignancies. Magnetic Resonance Imaging Clinics of North America, 2016, 24, 135-155.	1.1	17
65	Clinical Imaging of Tumor Metabolism with 1 H Magnetic Resonance Spectroscopy. Magnetic Resonance Imaging Clinics of North America, 2016, 24, 57-86.	1.1	36
66	High-resolution blood-pool-contrast-enhanced MR angiography in glioblastoma: tumor-associated neovascularization as a biomarker for patient survival. A preliminary study. Neuroradiology, 2016, 58, 17-26.	2.2	12
67	Intravoxel Incoherent Motion Metrics as Potential Biomarkers for Survival in Glioblastoma. PLoS ONE, 2016, 11, e0158887.	2.5	32
68	Fast T2 gradient-spin-echo (T2-GraSE) mapping for myocardial edema quantification: first in vivo validation in a porcine model of ischemia/reperfusion. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 92.	3.3	68
69	Association of Myocardial T1-Mapping CMR With Hemodynamics and RV Performance in Pulmonary Hypertension. JACC: Cardiovascular Imaging, 2015, 8, 76-82.	5.3	71
70	Optimization of dual-saturation single bolus acquisition for quantitative cardiac perfusion and myocardial blood flow maps. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 21.	3.3	28
71	Gd–Si oxide mesoporous nanoparticles with pre-formed morphology prepared from a Prussian blue analogue template. Dalton Transactions, 2015, 44, 14034-14041.	3.3	10
72	Carotid pulse wave velocity by magnetic resonance imaging is increased in middle-aged subjects with the metabolic syndrome. International Journal of Cardiovascular Imaging, 2015, 31, 603-612.	1.5	4

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73	Prevalence, Vascular Distribution, and Multiterritorial Extent of Subclinical Atherosclerosis in a Middle-Aged Cohort. Circulation, 2015, 131, 2104-2113.	1.6	352
74	Pathophysiology Underlying the BimodalÂEdema Phenomenon After Myocardial Ischemia/Reperfusion. Journal of the American College of Cardiology, 2015, 66, 816-828.	2.8	123
75	Myocardial Edema After Ischemia/Reperfusion Is Not Stable andÂFollowsÂaÂBimodal Pattern. Journal of the American College of Cardiology, 2015, 65, 315-323.	2.8	185
76	White matter microstructure correlates of mathematical giftedness and intelligence quotient. Human Brain Mapping, 2014, 35, 2619-2631.	3.6	144
77	Long-Term Benefit of Early Pre-Reperfusion Metoprolol Administration in Patients With Acute Myocardial Infarction. Journal of the American College of Cardiology, 2014, 63, 2356-2362.	2.8	162
78	Animal Models of Tissue Characterization of Area at Risk, Edema and Fibrosis. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.6	7
79	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. BMC Medicine, 2014, 12, 137.	5.5	20
80	Non invasive blood flow measurement in cerebellum detects minimal hepatic encephalopathy earlier than psychometric tests. World Journal of Gastroenterology, 2014, 20, 11815.	3.3	36
81	Albumin-binding MR blood pool contrast agent improves diagnostic performance in human brain tumour: comparison of two contrast agents for glioblastoma. European Radiology, 2013, 23, 1093-1101.	4.5	9
82	Decreased Corticospinal Tract Fractional Anisotropy Predicts Long-term Motor Outcome After Stroke. Stroke, 2013, 44, 2016-2018.	2.0	113
83	Increased Corticospinal Tract Fractional Anisotropy Can Discriminate Stroke Onset Within the First 4.5 Hours. Stroke, 2013, 44, 1162-1165.	2.0	11
84	DWI at 3 T: Advantages, Disadvantages, Pitfalls, and Advanced Clinical Applications. , 2012, , 51-73.		3
85	Accurate fat fraction quantification by multiecho gradient-recalled-echo magnetic resonance at 1.5T in rats with nonalcoholic fatty liver disease. European Journal of Radiology, 2012, 81, 1122-1127.	2.6	8
86	Overload hepatitides: quanti-qualitative analysis. Abdominal Imaging, 2012, 37, 180-187.	2.0	18
87	Diffusion-Weighted Imaging of the Chest. Magnetic Resonance Imaging Clinics of North America, 2011, 19, 69-94.	1.1	48
88	Mathematically gifted adolescents use more extensive and more bilateral areas of the fronto-parietal network than controls during executive functioning and fluid reasoning tasks. NeuroImage, 2011, 57, 281-292.	4.2	65
89	Takotsubo Cardiomyopathy: Assessment With Cardiac MRI. American Journal of Roentgenology, 2010, 195, W139-W145.	2.2	58
90	Assessment of the increase in variability when combining volumetric data from different scanners. Human Brain Mapping, 2009, 30, 355-368.	3.6	48

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91	1H MR Spectroscopy in the Assessment of Gliomatosis Cerebri. American Journal of Roentgenology, 2007, 188, 710-714.	2.2	38
92	Findings of proton magnetic resonance spectometry in the dorsolateral prefrontal cortex in adolescents with first episodes of psychosis. Psychiatry Research - Neuroimaging, 2007, 156, 33-42.	1.8	27
93	Minimum-norm reconstruction for sensitivity-encoded magnetic resonance spectroscopic imaging. Magnetic Resonance in Medicine, 2006, 55, 287-295.	3.0	38