

Carlos Galán-Arriola

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,120
citations

471509

17
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

2057
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.8	174
2	Pathophysiology Underlying the Bimodal Edema Phenomenon After Myocardial Ischemia/Reperfusion. <i>Journal of the American College of Cardiology</i> , 2015, 66, 816-828.	2.8	123
3	Dynamic Edematous Response of the Human Heart to Myocardial Infarction. <i>Circulation</i> , 2017, 136, 1288-1300.	1.6	107
4	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.	2.8	84
5	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.	3.3	68
6	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.	4.5	62
7	Metoprolol in Critically Ill Patients With COVID-19. <i>Journal of the American College of Cardiology</i> , 2021, 78, 1001-1011.	2.8	46
8	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, .	3.7	43
9	Generation and characterization of a novel knockin minipig model of Hutchinson-Gilford progeria syndrome. <i>Cell Discovery</i> , 2019, 5, 16.	6.7	43
10	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, .	3.7	38
11	In vivo ratiometric optical mapping enables high-resolution cardiac electrophysiology in pig models. <i>Cardiovascular Research</i> , 2019, 115, 1659-1671.	3.8	38
12	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.	3.3	37
13	Remote ischaemic preconditioning ameliorates anthracycline-induced cardiotoxicity and preserves mitochondrial integrity. <i>Cardiovascular Research</i> , 2021, 117, 1132-1143.	3.8	35
14	Metoprolol blunts the time-dependent progression of infarct size. <i>Basic Research in Cardiology</i> , 2020, 115, 55.	5.9	32
15	Coronary microcirculation damage in anthracycline cardiotoxicity. <i>Cardiovascular Research</i> , 2022, 118, 531-541.	3.8	32
16	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.	5.9	30
17	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.	2.8	30
18	Translational large animal model of hibernating myocardium: characterization by serial multimodal imaging. <i>Basic Research in Cardiology</i> , 2020, 115, 33.	5.9	18

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19	Definition of a cell surface signature for human cardiac progenitor cells after comprehensive comparative transcriptomic and proteomic characterization. <i>Scientific Reports</i> , 2019, 9, 4647.	3.3	17
20	Three-dimensional cardiac fibre disorganization as a novel parameter for ventricular arrhythmia stratification after myocardial infarction. <i>Europace</i> , 2019, 21, 822-832.	1.7	12
21	Mirabegron, a Clinically Approved β_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.	2.4	9
22	Implications of bipolar voltage mapping and magnetic resonance imaging resolution in biventricular scar characterization after myocardial infarction. <i>Europace</i> , 2019, 21, 163-174.	1.7	8
23	T2 Mapping Identifies Early Anthracycline-Induced Cardiotoxicity in Elderly Patients With Cancer. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1630-1632.	5.3	8
24	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.	1.4	6
25	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.	2.0	5
26	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.	3.3	5
27	Quantitative assessment of myocardial blood flow and extracellular volume fraction using ^{68}Ga -DOTA-PET: A feasibility and validation study in large animals. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1249-1260.	2.1	4
28	R2 prime ($R2^*$) magnetic resonance imaging for post-myocardial infarction intramyocardial haemorrhage quantification. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1031-1038.	1.2	4
29	Variations in T2-Mapping-Assessed Area at Risk After Experimental Ischemia/Reperfusion. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 1040-1042.	2.4	2
30	Reply. <i>Journal of the American College of Cardiology</i> , 2019, 73, 3360.	2.8	0
31	Efecto cardioprotector del bloqueador beta de acción ultracorta esmolol en isquemia/reperfusión experimental. <i>Revista Española De Cardiología</i> , 2022, 75, 527-527.	1.2	0
32	Cardioprotective effect of the short-acting beta-blocker esmolol in experimental ischemia/reperfusion. <i>Revista Española De Cardiología (English Ed)</i> , 2021, 75, 527-527.	0.6	0