

David de Gonzalo-Calvo

List of Publications by Citations

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102
papers

1,833
citations

24
h-index

39
g-index

129
ext. papers

2,415
ext. citations

5.6
avg, IF

4.77
L-index

#	Paper	IF	Citations
102	Intratumor cholesteryl ester accumulation is associated with human breast cancer proliferation and aggressive potential: a molecular and clinicopathological study. <i>BMC Cancer</i> , 2015 , 15, 460	4.8	116
101	Differential inflammatory responses in aging and disease: TNF-alpha and IL-6 as possible biomarkers. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 733-7	7.8	102
100	Circulating long-non coding RNAs as biomarkers of left ventricular diastolic function and remodelling in patients with well-controlled type 2 diabetes. <i>Scientific Reports</i> , 2016 , 6, 37354	4.9	96
99	Circulating inflammatory miRNA signature in response to different doses of aerobic exercise. <i>Journal of Applied Physiology</i> , 2015 , 119, 124-34	3.7	93
98	Favorable effects of a prolonged treatment with melatonin on the level of oxidative damage and neurodegeneration in senescence-accelerated mice. <i>Journal of Pineal Research</i> , 2008 , 45, 302-11	10.4	82
97	Interleukin 6, soluble tumor necrosis factor receptor I and red blood cell distribution width as biological markers of functional dependence in an elderly population: a translational approach. <i>Cytokine</i> , 2012 , 58, 193-8	4	76
96	Pulmonary Function and Radiologic Features in Survivors of Critical COVID-19: A 3-Month Prospective Cohort. <i>Chest</i> , 2021 , 160, 187-198	5.3	64
95	Serum microRNA-1 and microRNA-133a levels reflect myocardial steatosis in uncomplicated type 2 diabetes. <i>Scientific Reports</i> , 2017 , 7, 47	4.9	61
94	Plasma circular RNA hsa_circ_0001445 and coronary artery disease: Performance as a biomarker. <i>FASEB Journal</i> , 2020 , 34, 4403-4414	0.9	56
93	Dilated Cardiomyopathy Due to 'BLC2-Associated Athanogene 3'(BAG3) Mutations. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 2471-2481	15.1	53
92	Genetic basis of dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2016 , 224, 461-472	3.2	50
91	Circulating non-coding RNAs in biomarker-guided cardiovascular therapy: a novel tool for personalized medicine?. <i>European Heart Journal</i> , 2019 , 40, 1643-1650	9.5	43
90	Melatonin alters cell death processes in response to age-related oxidative stress in the brain of senescence-accelerated mice. <i>Journal of Pineal Research</i> , 2009 , 46, 106-14	10.4	42
89	Translating the microRNA signature of microvesicles derived from human coronary artery smooth muscle cells in patients with familial hypercholesterolemia and coronary artery disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2017 , 106, 55-67	5.8	34
88	Melatonin modulates autophagy through a redox-mediated action in female Syrian hamster Harderian gland controlling cell types and gland activity. <i>Journal of Pineal Research</i> , 2012 , 52, 80-92	10.4	32
87	Serum circular RNAs act as blood-based biomarkers for hypertrophic obstructive cardiomyopathy. <i>Scientific Reports</i> , 2019 , 9, 20350	4.9	31
86	Long-term training induces a healthy inflammatory and endocrine emergent biomarker profile in elderly men. <i>Age</i> , 2012 , 34, 761-71		29

85	Melatonin induces neural SOD2 expression independent of the NF-kappaB pathway and improves the mitochondrial population and function in old mice. <i>Journal of Pineal Research</i> , 2011 , 50, 54-63	10.4	29
84	Circulating microRNA profiles predict the severity of COVID-19 in hospitalized patients. <i>Translational Research</i> , 2021 , 236, 147-159	11	29
83	Sexual dimorphism of autophagy in Syrian hamster Harderian gland culminates in a holocrine secretion in female glands. <i>Autophagy</i> , 2009 , 5, 1004-17	10.2	28
82	Circular RNAs in Blood. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1087, 119-130	3.6	28
81	Circulating soluble low-density lipoprotein receptor-related protein 1 (sLRP1) concentration is associated with hypercholesterolemia: A new potential biomarker for atherosclerosis. <i>International Journal of Cardiology</i> , 2015 , 201, 20-9	3.2	27
80	Circulating microRNAs as emerging cardiac biomarkers responsive to acute exercise. <i>International Journal of Cardiology</i> , 2018 , 264, 130-136	3.2	25
79	Circulating microRNA as Emerging Biomarkers of Exercise. <i>Exercise and Sport Sciences Reviews</i> , 2018 , 46, 160-171	6.7	22
78	Plasma microRNAs as biomarkers for Lamin A/C-related dilated cardiomyopathy. <i>Journal of Molecular Medicine</i> , 2018 , 96, 845-856	5.5	22
77	Chronic training increases blood oxidative damage but promotes health in elderly men. <i>Age</i> , 2013 , 35, 407-17		21
76	Emerging role of microRNAs in dilated cardiomyopathy: evidence regarding etiology. <i>Translational Research</i> , 2020 , 215, 86-101	11	20
75	Chronic inflammation as predictor of 1-year hospitalization and mortality in elderly population. <i>European Journal of Clinical Investigation</i> , 2012 , 42, 1037-46	4.6	19
74	Familial dilated cardiomyopathy: A multidisciplinary entity, from basic screening to novel circulating biomarkers. <i>International Journal of Cardiology</i> , 2017 , 228, 870-880	3.2	19
73	Circulating Long Noncoding RNAs in Personalized Medicine: Response to Pioglitazone Therapy in Type 2 Diabetes. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 2914-2916	15.1	19
72	Circulating miR-1254 predicts ventricular remodeling in patients with ST-Segment-Elevation Myocardial Infarction: A cardiovascular magnetic resonance study. <i>Scientific Reports</i> , 2018 , 8, 15115	4.9	18
71	Biomarcadores epigenéticos y enfermedad cardiovascular: los microARN circulantes. <i>Revista Espanola De Cardiologia</i> , 2017 , 70, 763-769	1.5	17
70	Autophagy during beef aging. <i>Autophagy</i> , 2014 , 10, 137-43	10.2	16
69	Non-coding RNAs and exercise: pathophysiological role and clinical application in the cardiovascular system. <i>Clinical Science</i> , 2018 , 132, 925-942	6.5	16
68	Fatty acid binding protein 4 (FABP4) as a potential biomarker reflecting myocardial lipid storage in type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2019 , 96, 12-21	12.7	15

67	Oxidative protein damage is associated with severe functional dependence among the elderly population: a principal component analysis approach. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2012 , 67, 663-70	6.4	15
66	microRNA expression profile in human coronary smooth muscle cell-derived microparticles is a source of biomarkers. <i>Clinica E Investigaci3n En Arteriosclerosis</i> , 2016 , 28, 167-77	1.4	15
65	Hypoxia-driven sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (SERCA2) downregulation depends on low-density lipoprotein receptor-related protein 1 (LRP1)-signalling in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 85, 25-36	5.8	14
64	Circulating microRNAs in suspected stable coronary artery disease: A coronary computed tomography angiography study. <i>Journal of Internal Medicine</i> , 2019 , 286, 341-355	10.8	13
63	Plasma microRNA Profiling Reveals Novel Biomarkers of Epicardial Adipose Tissue: A Multidetector Computed Tomography Study. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	11
62	Circulating levels of soluble low-density lipoprotein receptor-related protein 1 (sLRP1) as novel biomarker of epicardial adipose tissue. <i>International Journal of Cardiology</i> , 2016 , 223, 371-373	3.2	11
61	Dietary microRNAs and cancer: A new therapeutic approach?. <i>Seminars in Cancer Biology</i> , 2021 , 73, 19-29	12.7	11
60	Peripheral blood microRNAs and the COVID-19 patient: methodological considerations, technical challenges and practice points. <i>RNA Biology</i> , 2021 , 18, 688-695	4.8	11
59	Relationship among LRP1 expression, Pyk2 phosphorylation and MMP-9 activation in left ventricular remodelling after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 1915-1928	5.6	10
58	Autophagic and proteolytic processes in the Harderian gland are modulated during the estrous cycle. <i>Histochemistry and Cell Biology</i> , 2014 , 141, 519-29	2.4	10
57	Defective adaption of erythrocytes during acute hypoxia injury in an elderly population. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011 , 66, 376-84	6.4	10
56	Soluble LRP1 is an independent biomarker of epicardial fat volume in patients with type 1 diabetes mellitus. <i>Scientific Reports</i> , 2018 , 8, 1054	4.9	9
55	Epigenetic Biomarkers and Cardiovascular Disease: Circulating MicroRNAs. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2017 , 70, 763-769	0.7	8
54	Extracellular vesicles do not contribute to higher circulating levels of soluble LRP1 in idiopathic dilated cardiomyopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 3000-3009	5.6	8
53	Association of Circulating microRNAs with Coronary Artery Disease and Usefulness for Reclassification of Healthy Individuals: The REGICOR Study. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	8
52	Identification of new biophysical markers for pathological ventricular remodelling in tachycardia-induced dilated cardiomyopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 4197-4208	5.6	8
51	Peripheral microRNA panels to guide the diagnosis of familial cardiomyopathy. <i>Translational Research</i> , 2020 , 218, 1-15	11	8
50	Improved cardiovascular risk prediction in patients with end-stage renal disease on hemodialysis using machine learning modeling and circulating microribonucleic acids. <i>Theranostics</i> , 2020 , 10, 8665-8676	12.1	8

49	Soluble low-density lipoprotein receptor-related protein 1 as a biomarker of coronary risk: Predictive capacity and association with clinical events. <i>Atherosclerosis</i> , 2019 , 287, 93-99	3.1	7
48	Catalyzing Transcriptomics Research in Cardiovascular Disease: The CardioRNA COST Action CA17129. <i>Non-coding RNA</i> , 2019 , 5,	7.1	7
47	Subcutaneous Administration of Apolipoprotein J-Derived Mimetic Peptide d-[113-122]apoJ Improves LDL and HDL Function and Prevents Atherosclerosis in LDLR-KO Mice. <i>Biomolecules</i> , 2020 , 10,	5.9	7
46	Immunization with the Gly-Cys amino acid sequence of the LRP1 receptor reduces atherosclerosis in rabbits. Molecular, immunohistochemical and nuclear imaging studies. <i>Theranostics</i> , 2020 , 10, 3263-3280 ^{12,1}	12.1	7
45	Antioxidant responses to variations of oxygen by the Harderian gland of different species of the superspecies <i>Spalax ehrenbergi</i> . <i>Canadian Journal of Zoology</i> , 2010 , 88, 803-807	1.5	7
44	Identification and validation of endogenous control miRNAs in plasma samples for normalization of qPCR data for Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 163	9	7
43	Conformational and thermal characterization of left ventricle remodeling post-myocardial infarction. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 1500-1509	6.9	6
42	Molecular basis for the protective effects of low-density lipoprotein receptor-related protein 1 (LRP1)-derived peptides against LDL aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019 , 1861, 1302-1316	3.8	6
41	Exercise dose affects the circulating microRNA profile in response to acute endurance exercise in male amateur runners. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 1896-1907	4.6	6
40	Altered Brain Metabolome Is Associated with Memory Impairment in the rTg4510 Mouse Model of Tauopathy. <i>Metabolites</i> , 2020 , 10,	5.6	5
39	Circulating non-coding RNAs as biomarkers to predict and monitor the response to exercise: chances and hurdles. <i>European Heart Journal</i> , 2018 , 39, 3552	9.5	5
38	Leukocyte telomere length correlates with hypertrophic cardiomyopathy severity. <i>Scientific Reports</i> , 2018 , 8, 11227	4.9	5
37	Signature of subclinical femoral artery atherosclerosis in peripheral blood mononuclear cells. <i>European Journal of Clinical Investigation</i> , 2014 , 44, 539-48	4.6	5
36	MicroRNAs to guide medical decision-making in obstructive sleep apnea: A review. <i>Sleep Medicine Reviews</i> , 2021 , 59, 101458	10.2	5
35	LRP1-Mediated AggLDL Endocytosis Promotes Cholesteryl Ester Accumulation and Impairs Insulin Response in HL-1 Cells. <i>Cells</i> , 2020 , 9,	7.9	4
34	Altered atherosclerotic-related gene expression signature in circulating mononuclear leukocytes from hypercholesterolemic patients with low HDL cholesterol levels. <i>International Journal of Cardiology</i> , 2014 , 173, 337-8	3.2	4
33	Higher frequency of comorbidities in fully vaccinated patients admitted to ICU due to severe COVID-19: a prospective, multicenter, observational study. <i>European Respiratory Journal</i> , 2021 ,	13.6	4
32	Impact of time to intubation on mortality and pulmonary sequelae in critically ill patients with COVID-19: a prospective cohort study.. <i>Critical Care</i> , 2022 , 26, 18	10.8	4

31	Biophysical and Lipidomic Biomarkers of Cardiac Remodeling Post-Myocardial Infarction in Humans. <i>Biomolecules</i> , 2020 , 10,	5.9	4
30	The evolution of the ventilatory ratio is a prognostic factor in mechanically ventilated COVID-19 ARDS patients. <i>Critical Care</i> , 2021 , 25, 331	10.8	4
29	microRNA-206 correlates with left ventricular function after transcatheter aortic valve implantation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H1261-H1266	5.2	3
28	High triglyceride-low HDL cholesterol lipid profile is associated with a dysregulated gene expression in mononuclear leukocyte from hypercholesterolemic patients. <i>International Journal of Cardiology</i> , 2015 , 178, 102-4	3.2	3
27	Low-density lipoprotein receptor-related protein 1 deficiency in cardiomyocytes reduces susceptibility to insulin resistance and obesity. <i>Metabolism: Clinical and Experimental</i> , 2020 , 106, 154191	12.7	3
26	Platelet distribution width is associated with 1-year all-cause mortality in the elderly population. <i>Journal of Clinical Gerontology and Geriatrics</i> , 2013 , 4, 12-16		3
25	Diagnostic value of circulating microRNAs compared to high-sensitivity troponin T for the detection of non-ST-segment elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021 , 10, 653-660	4.3	3
24	Consensus guidelines for the validation of qRT-PCR assays in clinical research by the CardioRNA consortium.. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022 , 24, 171-180	6.4	2
23	Circulating MicroRNA Profiling Reveals Specific Subsignatures in Response to a Maximal Incremental Exercise Test. <i>Journal of Strength and Conditioning Research</i> , 2021 , 35, 287-291	3.2	2
22	Peripheral blood RNA biomarkers for cardiovascular disease from bench to bedside: A Position Paper from the EU-CardioRNA COST Action CA17129. <i>Cardiovascular Research</i> , 2021 ,	9.9	2
21	Blood-based protein profiling identifies serum protein c-KIT as a novel biomarker for hypertrophic cardiomyopathy. <i>Scientific Reports</i> , 2021 , 11, 1755	4.9	2
20	Three to Six Months Evolution of Pulmonary Function and Radiological Features in Critical COVID-19 Patients: A Prospective Cohort. <i>Archivos De Bronconeumologia</i> , 2021 ,	0.7	2
19	Sleep and Circadian Health of Critical COVID-19 Survivors 3 Months After Hospital Discharge.. <i>Critical Care Medicine</i> , 2022 , 50,	1.4	2
18	Sex-related differences of fatty acid-binding protein 4 and leptin levels in atrial fibrillation. <i>Europace</i> , 2021 , 23, 682-690	3.9	1
17	Physical Activity as Healthy Intervention Against Severe Oxidative Stress in Elderly Population. <i>Journal of Frailty & Aging, the</i> , 2013 , 2, 135-43	2.6	1
16	Development of Innovative Antiatherosclerotic Peptides through the Combination of Molecular Modeling and a Dual (Biochemical-Cellular) Screening System. <i>Advanced Therapeutics</i> , 2020 , 3, 2000037	4.9	1
15	Circulating MicroRNA Profile Associated with Obstructive Sleep Apnea in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2020 , 57, 4363-4372	6.2	1
14	Circular RNAs: a novel tool in cardiovascular biomarker development?. <i>Non-coding RNA Investigation</i> , 2018 , 2, 39-39	0.6	1

13	Reduced Levels of miR-342-5p in Plasma Are Associated With Worse Cognitive Evolution in Patients With Mild Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 705989	5.3	1
12	ICU-Acquired Pneumonia Is Associated with Poor Health Post-COVID-19 Syndrome.. <i>Journal of Clinical Medicine</i> , 2021 , 11,	5.1	1
11	Proteomic profiling of lung diffusion impairment in the recovery stage of SARS-CoV-2-induced ARDS.. <i>Clinical and Translational Medicine</i> , 2022 , 12, e838	5.7	1
10	Bronchial Aspirate-Based Profiling Identifies MicroRNA Signatures Associated With COVID-19 and Fatal Disease in Critically Ill Patients.. <i>Frontiers in Medicine</i> , 2021 , 8, 756517	4.9	0
9	Endogenous controls and microRNA profile in female patients with obstructive sleep apnea.. <i>Scientific Reports</i> , 2022 , 12, 1916	4.9	0
8	Clinical management and outcome differences between first and second waves among COVID-19 hospitalized patients: A regional prospective observational cohort. <i>PLoS ONE</i> , 2021 , 16, e0258918	3.7	0
7	Evaluation of biochemical and hematological parameters in adults with Down syndrome. <i>Scientific Reports</i> , 2020 , 10, 13755	4.9	0
6	Prognostic value of circulating microRNAs compared to high-sensitivity troponin T in patients presenting with suspected acute coronary syndrome to the emergency department. <i>Clinical Biochemistry</i> , 2021 , 99, 9-9	3.5	0
5	Monocyte Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) Expression Correlates with cIMT in Mexican Hypertensive Patients. <i>Arquivos Brasileiros De Cardiologia</i> , 2021 , 116, 56-65	1.2	0
4	Challenges of microRNA-based biomarkers in clinical application for cardiovascular diseases.. <i>Clinical and Translational Medicine</i> , 2022 , 12, e585	5.7	0
3	Identification of circulating microRNA profiles associated with pulmonary function and radiologic features in survivors of SARS-CoV-2-induced ARDS. <i>Emerging Microbes and Infections</i> , 1-67	18.9	0
2	Epigenetics in precision medicine of cardiovascular disease 2022 , 347-368		
1	Epigenetics and physical exercise 2021 , 283-301		