Cristina Prat-Vidal

List of Publications by Year
in descending order

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54 papers	1,539 citations	218677 26 h-index	302126 39 g-index
55 all docs	55 docs citations	55 times ranked	2398 citing authors

#	ARTICLE	IF	CITATIONS
1	Human progenitor cells derived from cardiac adipose tissue ameliorate myocardial infarction in rodents. Journal of Molecular and Cellular Cardiology, 2010, 49, 771-780.	1.9	104
2	Mechanisms of action of sacubitril/valsartan on cardiac remodeling: a systems biology approach. Npj Systems Biology and Applications, 2017, 3, 12.	3.0	96
3	Effects of Adipose Tissue-Derived Stem Cell Therapy After Myocardial Infarction: Impact of the Route of Administration. Journal of Cardiac Failure, 2010, 16, 357-366.	1.7	77
4	Human Umbilical Cord Blood-Derived Mesenchymal Stem Cells Promote Vascular Growth In Vivo. PLoS ONE, 2012, 7, e49447.	2.5	70
5	Abnormal calcium handling in atrial fibrillation is linked to up-regulation of adenosine A2A receptors. European Heart Journal, 2011, 32, 721-729.	2.2	67
6	Adenosine A2A receptors are expressed in human atrial myocytes and modulate spontaneous sarcoplasmic reticulum calcium release. Cardiovascular Research, 2006, 72, 292-302.	3.8	62
7	In vivo experience with natural scaffolds for myocardial infarction: the times they are a-changinâ€™. Stem Cell Research and Therapy, 2015, 6, 248.	5.5	55
8	Idiopathic dilated cardiomyopathy exhibits defective vascularization and vessel formation. European Journal of Heart Failure, 2007, 9, 995-1002.	7.1	51
9	FGF-4 increases<i>in vitro</i>expansion rate of human adult bone marrow-derived mesenchymal stem cells. Growth Factors, 2007, 25, 71-76.	1.7	47
10	IngenierÃa tisular cardiaca y corazÃ³n bioartificial. Revista Espanola De Cardiologia, 2013, 66, 391-399.	1.2	45
11	Head-to-head comparison of two engineered cardiac grafts for myocardial repair: From scaffold characterization to pre-clinical testing. Scientific Reports, 2018, 8, 6708.	3.3	45
12	Combined administration of mesenchymal stem cells overexpressing IGF-1 and HGF enhances neovascularization but moderately improves cardiac regeneration in a porcine model. Stem Cell Research and Therapy, 2016, 7, 94.	5.5	42
13	Umbilical Cord Blood-Derived Stem Cells Spontaneously Express Cardiomyogenic Traits. Transplantation Proceedings, 2007, 39, 2434-2437.	0.6	41
14	Exposure to cardiomyogenic stimuli fails to transdifferentiate human umbilical cord blood-derived mesenchymal stem cells. Basic Research in Cardiology, 2010, 105, 419-430.	5.9	41
15	Neoinnervation and neovascularization of acellular pericardial-derived scaffolds in myocardial infarcts. Stem Cell Research and Therapy, 2015, 6, 108.	5.5	41
16	Local administration of porcine immunomodulatory, chemotactic and angiogenic extracellular vesicles using engineered cardiac scaffolds for myocardial infarction. Bioactive Materials, 2021, 6, 3314-3327.	15.6	40
17	Cardiac Tissue Engineering and the Bioartificial Heart. Revista Espanola De Cardiologia (English Ed), 2013, 66, 391-399.	0.6	39
18	Postinfarction Functional Recovery Driven by a Three-Dimensional Engineered Fibrin Patch Composed of Human Umbilical Cord Blood-Derived Mesenchymal Stem Cells. Stem Cells Translational Medicine, 2015, 4, 956-966.	3.3	39

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19	In vitro comparative study of two decellularization protocols in search of an optimal myocardial scaffold for recellularization. American Journal of Translational Research (discontinued), 2015, 7, 558-73.	0.0	37
20	Electrical stimulation of cardiac adipose tissue-derived progenitor cells modulates cell phenotype and genetic machinery. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, E76-E83.	2.7	35
21	Transposition of a pericardial-derived vascular adipose flap for myocardial salvage after infarct. Cardiovascular Research, 2011, 91, 659-667.	3.8	34
22	Online monitoring of myocardial bioprosthesis for cardiac repair. International Journal of Cardiology, 2014, 174, 654-661.	1.7	34
23	Silk-Reinforced Collagen Hydrogels with Raised Multiscale Stiffness for Mesenchymal Cells 3D Culture. Tissue Engineering - Part A, 2020, 26, 358-370.	3.1	33
24	Identification of Temporal and Region-Specific Myocardial Gene Expression Patterns in Response to Infarction in Swine. PLoS ONE, 2013, 8, e54785.	2.5	32
25	The proarrhythmic antihistaminic drug terfenadine increases spontaneous calcium release in human atrial myocytes. European Journal of Pharmacology, 2006, 553, 215-221.	3.5	29
26	Noninvasive Assessment of an Engineered Bioactive Graft in Myocardial Infarction: Impact on Cardiac Function and Scar Healing. Stem Cells Translational Medicine, 2017, 6, 647-655.	3.3	28
27	First-in-human PeriCord cardiac bioimplant: Scalability and GMP manufacturing of an allogeneic engineered tissue graft. EBioMedicine, 2020, 54, 102729.	6.1	27
28	Chimerism and microchimerism of the human heart: evidence for cardiac regeneration. Nature Clinical Practice Cardiovascular Medicine, 2007, 4, S40-S45.	3.3	26
29	Electromechanical Conditioning of Adult Progenitor Cells Improves Recovery of Cardiac Function After Myocardial Infarction. Stem Cells Translational Medicine, 2017, 6, 970-981.	3.3	26
30	Cardiac adipose tissue: A new frontier for cardiac regeneration?. International Journal of Cardiology, 2013, 167, 22-25.	1.7	25
31	Post-infarction scar coverage using a pericardial-derived vascular adipose flap. Pre-clinical results. International Journal of Cardiology, 2013, 166, 469-474.	1.7	23
32	Physiological conditioning by electric field stimulation promotes cardiomyogenic gene expression in human cardiomyocyte progenitor cells. Stem Cell Research and Therapy, 2014, 5, 93.	5.5	23
33	Comparison of two preclinical myocardial infarct models: coronary coil deployment versus surgical ligation. Journal of Translational Medicine, 2014, 12, 137.	4.4	22
34	A Cell-Enriched Engineered Myocardial Graft Limits Infarct Size and Improves Cardiac Function. JACC Basic To Translational Science, 2016, 1, 360-372.	4.1	20
35	Hemosiderin Deposits Confounds Tracking of Iron-Oxide-Labeled Stem Cells: An Experimental Study. Transplantation Proceedings, 2008, 40, 3619-3622.	0.6	14
36	Preclinical Safety Evaluation of Allogeneic Induced Pluripotent Stem Cell-Based Therapy in a Swine Model of Myocardial Infarction. Tissue Engineering - Part C: Methods, 2017, 23, 736-744.	2.1	10

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37	Unravelling the effects of mechanical physiological conditioning on cardiac adipose tissue-derived progenitor cells in vitro and in silico. Scientific Reports, 2018, 8, 499.	3.3	10
38	Extracellular vesicles do not contribute to higher circulating levels of soluble <scp>LRP</scp>1 in idiopathic dilated cardiomyopathy. Journal of Cellular and Molecular Medicine, 2017, 21, 3000-3009.	3.6	9
39	Intracoronary Delivery of Porcine Cardiac Progenitor Cells Overexpressing IGF-1 and HGF in a Pig Model of Sub-Acute Myocardial Infarction. Cells, 2021, 10, 2571.	4.1	8
40	New insights into lipid raft function regulating myocardial vascularization competency in human idiopathic dilated cardiomyopathy. Atherosclerosis, 2013, 230, 354-364.	0.8	7
41	Transitioning From Preclinical Evidence to Advanced Therapy Medicinal Product: A Spanish Experience. Frontiers in Cardiovascular Medicine, 2021, 8, 604434.	2.4	7
42	Decellularized pericardial extracellular matrix: The preferred porous scaffold for regenerative medicine. Xenotransplantation, 2020, 27, e12580.	2.8	6
43	Towards on line monitoring the evolution of the myocardium infarction scar with an implantable electrical impedance spectrum monitoring system. , 2012, 2012, 3223-6.		4
44	Myocardial bioprosthesis: Mimicking nature. Drugs of the Future, 2013, 38, 475.	0.1	3
45	Reply: Does the adenosine A2A receptor stimulate the ryanodine receptor?. Cardiovascular Research, 2007, 73, 249-250.	3.8	2
46	Our Journey Through Advanced Therapies to Reduce Post-Infarct Scarring. Stem Cell Reviews and Reports, 2021, 17, 1928-1930.	3.8	1
47	Whartonâ€™s Jelly Mesenchymal Stromal Cells and Derived Extracellular Vesicles as Post-Myocardial Infarction Therapeutic Toolkit: An Experienced View. Pharmaceutics, 2021, 13, 1336.	4.5	1
48	Deep Learning Analyses to Delineate the Molecular Remodeling Process after Myocardial Infarction. Cells, 2021, 10, 3268.	4.1	1
49	Effect of a cell-based bioactive smart patch after myocardial infarction in swine. European Heart Journal, 2013, 34, P1469-P1469.	2.2	0
50	P510Obtention and characterization of acellular myocardial scaffold for cardiac tissue engineering. Cardiovascular Research, 2014, 103, S93.3-S93.	3.8	0
51	P779Constructing a new myocardial bioprosthesis for cardiac repair. Cardiovascular Research, 2014, 103, S143.2-S143.	3.8	0
52	P4464An acellular myocardial scaffold optimal for cardiac recovery: proteomic, structural and mechanical characterization. European Heart Journal, 2017, 38, .	2.2	0
53	Extracellular vesicles from mesenchymal stromal cells combined with tissue engineering improve cardiac function, reduce fibrosis and modulate immune response in acute myocardial infarcted pigs. Cytotherapy, 2021, 23, S26-S27.	0.7	0
54	Materials for cardiac tissue engineering. , 0, , 533-550.		0