

# Federica del Monte

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92  
papers

7,452  
citations

44  
h-index

86  
g-index

97  
ext. papers

8,201  
ext. citations

8.6  
avg, IF

5.14  
L-index

#	Paper	IF	Citations
92	Akt activation preserves cardiac function and prevents injury after transient cardiac ischemia in vivo. <i>Circulation</i> , <b>2001</b> , 104, 330-5	16.7	621
91	Periostin induces proliferation of differentiated cardiomyocytes and promotes cardiac repair. <i>Nature Medicine</i> , <b>2007</b> , 13, 962-9	50.5	511
90	Restoration of contractile function in isolated cardiomyocytes from failing human hearts by gene transfer of SERCA2a. <i>Circulation</i> , <b>1999</b> , 100, 2308-11	16.7	390
89	Differential activation of signal transduction pathways in human hearts with hypertrophy versus advanced heart failure. <i>Circulation</i> , <b>2001</b> , 103, 670-7	16.7	359
88	Cardiac angiogenic imbalance leads to peripartum cardiomyopathy. <i>Nature</i> , <b>2012</b> , 485, 333-8	50.4	348
87	Adenoviral gene transfer of activated phosphatidylinositol 3Rkinase and Akt inhibits apoptosis of hypoxic cardiomyocytes in vitro. <i>Circulation</i> , <b>1999</b> , 100, 2373-9	16.7	341
86	Improvement in survival and cardiac metabolism after gene transfer of sarcoplasmic reticulum Ca(2+)-ATPase in a rat model of heart failure. <i>Circulation</i> , <b>2001</b> , 104, 1424-9	16.7	337
85	Titin isoform switch in ischemic human heart disease. <i>Circulation</i> , <b>2002</b> , 106, 1333-41	16.7	281
84	Targeting phospholamban by gene transfer in human heart failure. <i>Circulation</i> , <b>2002</b> , 105, 904-7	16.7	226
83	Restoration of diastolic function in senescent rat hearts through adenoviral gene transfer of sarcoplasmic reticulum Ca(2+)-ATPase. <i>Circulation</i> , <b>2000</b> , 101, 790-6	16.7	217
82	Type 1 phosphatase, a negative regulator of cardiac function. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 4124-35	4.8	216
81	Amyloidogenic light chains induce cardiomyocyte contractile dysfunction and apoptosis via a non-canonical p38alpha MAPK pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 4188-93	11.5	214
80	Enhancement of cardiac function and suppression of heart failure progression by inhibition of protein phosphatase 1. <i>Circulation Research</i> , <b>2005</b> , 96, 756-66	15.7	185
79	PI3K rescues the detrimental effects of chronic Akt activation in the heart during ischemia/reperfusion injury. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 2128-38	15.9	184
78	Abrogation of ventricular arrhythmias in a model of ischemia and reperfusion by targeting myocardial calcium cycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 5622-7	11.5	174
77	Defective DNA replication impairs mitochondrial biogenesis in human failing hearts. <i>Circulation Research</i> , <b>2010</b> , 106, 1541-8	15.7	155
76	Regulation of cardiac hypertrophy in vivo by the stress-activated protein kinases/c-Jun NH(2)-terminal kinases. <i>Journal of Clinical Investigation</i> , <b>1999</b> , 104, 391-8	15.9	141

75	Prospects for gene therapy for heart failure. <i>Circulation Research</i> , <b>2000</b> , 86, 616-21	15.7	131
74	Restoration of mechanical and energetic function in failing aortic-banded rat hearts by gene transfer of calcium cycling proteins. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 42, 852-61	5.8	110
73	Independent susceptibility markers for atrial fibrillation on chromosome 4q25. <i>Circulation</i> , <b>2010</b> , 122, 976-84	16.7	109
72	Prevention of ventricular arrhythmias with sarcoplasmic reticulum Ca <sup>2+</sup> ATPase pump overexpression in a porcine model of ischemia reperfusion. <i>Circulation</i> , <b>2008</b> , 118, 614-24	16.7	92
71	Atrial natriuretic peptide is negatively regulated by microRNA-425. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 3378-82	15.9	92
70	Sarco/endoplasmic reticulum Ca <sup>2+</sup> -ATPase gene transfer reduces vascular smooth muscle cell proliferation and neointima formation in the rat. <i>Circulation Research</i> , <b>2005</b> , 97, 488-95	15.7	87
69	Protein aggregates and novel presenilin gene variants in idiopathic dilated cardiomyopathy. <i>Circulation</i> , <b>2010</b> , 121, 1216-26	16.7	85
68	β-Amyloid Pathology Affects the Hearts of Patients With Alzheimer's Disease: Mind the Heart. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 2395-2407	15.1	81
67	Delayed erythropoietin therapy reduces post-MI cardiac remodeling only at a dose that mobilizes endothelial progenitor cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H522-9	5.2	79
66	Targeting calcium cycling proteins in heart failure through gene transfer. <i>Journal of Physiology</i> , <b>2003</b> , 546, 49-61	3.9	76
65	Functional near-infrared fluorescence imaging for cardiac surgery and targeted gene therapy. <i>Molecular Imaging</i> , <b>2002</b> , 1, 365-77	3.7	76
64	SERCA2A overexpression decreases the incidence of aftercontractions in adult rabbit ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2001</b> , 33, 1005-15	5.8	68
63	Histidine-rich Ca-binding protein interacts with sarcoplasmic reticulum Ca-ATPase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 293, H1581-9	5.2	66
62	Pathological role of serum- and glucocorticoid-regulated kinase 1 in adverse ventricular remodeling. <i>Circulation</i> , <b>2012</b> , 126, 2208-19	16.7	64
61	Getting to the Heart of Alzheimer Disease. <i>Circulation Research</i> , <b>2019</b> , 124, 142-149	15.7	63
60	Catheter-based antegrade intracoronary viral gene delivery with coronary venous blockade. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 288, H2995-3000	5.2	61
59	Mitral regurgitation augments post-myocardial infarction remodeling failure of hypertrophic compensation. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 51, 476-86	15.1	60
58	Compartmentalized expression of three novel sarco/endoplasmic reticulum Ca <sup>2+</sup> ATPase 3 isoforms including the switch to ER stress, SERCA3f, in non-failing and failing human heart. <i>Cell Calcium</i> , <b>2009</b> , 45, 144-54	4	59

57	Transcoronary gene transfer of SERCA2a increases coronary blood flow and decreases cardiomyocyte size in a type 2 diabetic rat model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H1204-7	5.2	57
56	In vivo cardiac gene transfer of Kv4.3 abrogates the hypertrophic response in rats after aortic stenosis. <i>Circulation</i> , <b>2004</b> , 110, 3435-43	16.7	53
55	Histidine-rich Ca binding protein: a regulator of sarcoplasmic reticulum calcium sequestration and cardiac function. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2006</b> , 40, 653-65	5.8	52
54	Mechanical and metabolic rescue in a type II diabetes model of cardiomyopathy by targeted gene transfer. <i>Molecular Therapy</i> , <b>2006</b> , 13, 987-96	11.7	50
53	Novel technique of aortic banding followed by gene transfer during hypertrophy and heart failure. <i>Physiological Genomics</i> , <b>2002</b> , 9, 49-56	3.6	49
52	Cell geometry and contractile abnormalities of myocytes from failing human left ventricle. <i>Cardiovascular Research</i> , <b>1995</b> , 30, 281-290	9.9	48
51	Cofilin-2 phosphorylation and sequestration in myocardial aggregates: novel pathogenetic mechanisms for idiopathic dilated cardiomyopathy. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 1199-1214	15.1	46
50	SERCA2a in heart failure: role and therapeutic prospects. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2005</b> , 37, 375-80	3.7	46
49	Overwhelming evidence of the beneficial effects of SERCA gene transfer in heart failure. <i>Circulation Research</i> , <b>2001</b> , 88, E66-7	15.7	45
48	Stanniocalcin1 is a key mediator of amyloidogenic light chain induced cardiotoxicity. <i>Basic Research in Cardiology</i> , <b>2013</b> , 108, 378	11.8	44
47	Sensitization of human atrial 5-HT4 receptors by chronic beta-blocker treatment. <i>Circulation</i> , <b>1995</b> , 92, 2526-39	16.7	44
46	Gene expression and genetic variation in human atria. <i>Heart Rhythm</i> , <b>2014</b> , 11, 266-71	6.7	42
45	Primary cilia defects causing mitral valve prolapse. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	39
44	Human cardiac-specific cDNA array for idiopathic dilated cardiomyopathy: sex-related differences. <i>Physiological Genomics</i> , <b>2008</b> , 33, 267-77	3.6	39
43	Protein post-translational modifications and misfolding: new concepts in heart failure. <i>Proteomics - Clinical Applications</i> , <b>2014</b> , 8, 534-42	3.1	38
42	Neonatal gene transfer of Serca2a delays onset of hypertrophic remodeling and improves function in familial hypertrophic cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 49, 993-1002 <sup>5.8</sup>	5.8	34
41	Cardiac-specific gene expression facilitated by an enhanced myosin light chain promoter. <i>Molecular Imaging</i> , <b>2004</b> , 3, 69-75	3.7	34
40	Rescue of Ca <sup>2+</sup> overload-induced left ventricular dysfunction by targeted ablation of phospholamban. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 296, H310-7	5.2	33

39	Regulation of Abro1/KIAA0157 during myocardial infarction and cell death reveals a novel cardioprotective mechanism for Lys63-specific deubiquitination. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 50, 652-61	5.8	25
38	Intracellular devastation in heart failure. <i>Heart Failure Reviews</i> , <b>2008</b> , 13, 151-62	5	24
37	Reduced contractile responses to forskolin and a cyclic AMP analogue in myocytes from failing human ventricle. <i>European Journal of Pharmacology</i> , <b>1992</b> , 223, 39-48	5.3	23
36	Isolation, culture, and functional characterization of adult mouse cardiomyocytes. <i>Journal of Visualized Experiments</i> , <b>2013</b> , e50289	1.6	21
35	Abnormal calcium handling and exaggerated cardiac dysfunction in mice with defective vitamin d signaling. <i>PLoS ONE</i> , <b>2014</b> , 9, e108382	3.7	17
34	Efficient viral gene transfer to rodent hearts in vivo. <i>Methods in Molecular Biology</i> , <b>2003</b> , 219, 179-93	1.4	15
33	Contraction of cardiac myocytes from noradrenaline-treated rats in response to isoprenaline, forskolin and dibutyryl cAMP. <i>European Journal of Pharmacology</i> , <b>1990</b> , 191, 129-40	5.3	15
32	Transcriptional changes following restoration of SERCA2a levels in failing rat hearts. <i>FASEB Journal</i> , <b>2004</b> , 18, 1474-6	0.9	14
31	Progressive nature of chronic mitral regurgitation and the role of tissue Doppler-derived indexes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 294, H2106-11	5.2	13
30	Defects in calcium control. <i>Journal of Cardiac Failure</i> , <b>2002</b> , 8, S421-31	3.3	13
29	Interaction between increased SERCA2a activity and beta -adrenoceptor stimulation in adult rabbit myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 283, H2450-7	5.2	11
28	Contractile effects of adenovirally-mediated increases in SERCA2a activity: A comparison between adult rat and rabbit ventricular myocytes. <i>Molecular and Cellular Biochemistry</i> , <b>2003</b> , 251, 103-109	4.2	11
27	Gene transfer in cardiac myocytes. <i>Surgical Clinics of North America</i> , <b>2004</b> , 84, 141-59, ix-x	4	11
26	Pre-amyloid oligomers budding: a metastatic mechanism of proteotoxicity. <i>Scientific Reports</i> , <b>2016</b> , 6, 35865	4.9	8
25	Fingerprint profile of alcohol-associated heart failure in human hearts. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2008</b> , 32, 814-21	3.7	7
24	Protein unfolding in cardiomyopathies. <i>Heart Failure Clinics</i> , <b>2005</b> , 1, 237-50	3.3	7
23	Protection of human myocardium in vitro by K(ATP) activation with low concentrations of bimakalim. <i>Journal of Cardiovascular Pharmacology</i> , <b>1999</b> , 34, 162-72	3.1	6
22	Reductive stress promotes protein aggregation and impairs neurogenesis. <i>Redox Biology</i> , <b>2020</b> , 37, 101730	3.3	6

21	Current and future circulating biomarkers for cardiac amyloidosis. <i>Acta Pharmacologica Sinica</i> , <b>2018</b> , 39, 1133-1141	8	6
20	Heart and Brain: Complex Relationships for Left Ventricular Dysfunction. <i>Current Cardiology Reports</i> , <b>2020</b> , 22, 72	4.2	5
19	Cyclic AMP levels in ventricular myocytes from noradrenaline-treated guinea-pigs. <i>European Journal of Pharmacology</i> , <b>1996</b> , 310, 235-42	5.3	5
18	Phosphorylated cofilin-2 is more prone to oxidative modifications on Cys39 and favors amyloid fibril formation. <i>Redox Biology</i> , <b>2020</b> , 37, 101691	11.3	5
17	Gene therapy for the treatment of heart failure--calcium signaling. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 15, 268-76	1.7	4
16	The long and winding road to target protein misfolding in cardiovascular diseases. <i>European Journal of Clinical Investigation</i> , <b>2021</b> , 51, e13504	4.6	4
15	Targeted gene transfer in heart failure: implications for novel gene identification. <i>Current Opinion in Molecular Therapeutics</i> , <b>2004</b> , 6, 381-94		4
14	Gene Transfer to Rodent Hearts In Vivo. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1521, 195-204	1.4	3
13	Transgenic models of heart failure: elucidation of the molecular mechanisms of heart disease. <i>Heart Failure Clinics</i> , <b>2005</b> , 1, 219-36	3.3	3
12	Genetic maneuvers to ameliorate ventricular function in heart failure: therapeutic potential and future implications. <i>Expert Review of Cardiovascular Therapy</i> , <b>2005</b> , 3, 85-97	2.5	3
11	The Unraveling: Cardiac and Musculoskeletal Defects and Their Role in Common Alzheimer Disease Morbidity and Mortality. <i>American Journal of Pathology</i> , <b>2020</b> , 190, 1609-1621	5.8	2
10	Insights from Second-Line Treatments for Idiopathic Dilated Cardiomyopathy. <i>Journal of Cardiovascular Development and Disease</i> , <b>2017</b> , 4,	4.2	2
9	Modulating signaling pathways in hypertrophy and heart failure by gene transfer. <i>Journal of Cardiac Failure</i> , <b>2002</b> , 8, S389-400	3.3	2
8	The Heart of the Alzheimer <sup>®</sup> : A Mindful View of Heart Disease. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 625974	4.6	2
7	Dissociation of hypertrophic growth from changes in myocyte contractile function. <i>Journal of Cardiac Failure</i> , <b>2002</b> , 8, S415-20	3.3	1
6	Is heart failure with preserved ejection fraction a Rementia <sup>®</sup> of the heart?. <i>Heart Failure Reviews</i> , <b>2021</b> , 1	5	1
5	Response to letter regarding article "Inositol 1,4,5-trisphosphate receptors and human left ventricular myocytes". <i>Circulation</i> , <b>2014</b> , 129, e510-1	16.7	0
4	Electrochemical data on redox properties of human Cofilin-2 and its Mutant S3D. <i>Data in Brief</i> , <b>2020</b> , 33, 106345	1.2	

- 3 Cardiac-Specific Gene Expression Facilitated by an Enhanced Myosin Light Chain Promoter.  
*Molecular Imaging*, **2004**, 3, 153535002004041 3-7
- 2 Functional Near-Infrared Fluorescence Imaging for Cardiac Surgery and Targeted Gene Therapy.  
*Molecular Imaging*, **2002**, 1, 153535002002213 3-7
- 1 Cardiovascular Gene and Cell Therapy **2005**, 763-788