Federica del Monte

List of Publications by Year
in descending order

94 papers	8,819 citations	46918 47 h-index	45213 90 g-index
97 all docs	97 docs citations	97 times ranked	9363 citing authors

#	Article	IF	Citations
1	Akt Activation Preserves Cardiac Function and Prevents Injury After Transient Cardiac Ischemia In Vivo. Circulation, 2001, 104, 330-335.	1.6	673
2	Periostin induces proliferation of differentiated cardiomyocytes and promotes cardiac repair. Nature Medicine, 2007, 13, 962-969.	15.2	591
3	Restoration of Contractile Function in Isolated Cardiomyocytes From Failing Human Hearts by Gene Transfer of SERCA2a. Circulation, 1999, 100, 2308-2311.	1.6	454
4	Cardiac angiogenic imbalance leads to peripartum cardiomyopathy. Nature, 2012, 485, 333-338.	13.7	450
5	Differential Activation of Signal Transduction Pathways in Human Hearts With Hypertrophy Versus Advanced Heart Failure. Circulation, 2001, 103, 670-677.	1.6	395
6	Improvement in Survival and Cardiac Metabolism After Gene Transfer of Sarcoplasmic Reticulum Ca ²⁺ -ATPase in a Rat Model of Heart Failure. Circulation, 2001, 104, 1424-1429.	1.6	390
7	Adenoviral Gene Transfer of Activated Phosphatidylinositol 3â€²-Kinase and Akt Inhibits Apoptosis of Hypoxic Cardiomyocytes In Vitro. Circulation, 1999, 100, 2373-2379.	1.6	367
8	Titin Isoform Switch in Ischemic Human Heart Disease. Circulation, 2002, 106, 1333-1341.	1.6	316
9	Amyloidogenic light chains induce cardiomyocyte contractile dysfunction and apoptosis via a non-canonical p38Î± MAPK pathway. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4188-4193.	3.3	264
10	Targeting Phospholamban by Gene Transfer in Human Heart Failure. Circulation, 2002, 105, 904-907.	1.6	261
11	Restoration of Diastolic Function in Senescent Rat Hearts Through Adenoviral Gene Transfer of Sarcoplasmic Reticulum Ca ²⁺ -ATPase. Circulation, 2000, 101, 790-796.	1.6	253
12	Type 1 Phosphatase, a Negative Regulator of Cardiac Function. Molecular and Cellular Biology, 2002, 22, 4124-4135.	1.1	230
13	PI3K rescues the detrimental effects of chronic Akt activation in the heart during ischemia/reperfusion injury. Journal of Clinical Investigation, 2005, 115, 2128-2138.	3.9	221
14	Enhancement of Cardiac Function and Suppression of Heart Failure Progression By Inhibition of Protein Phosphatase 1. Circulation Research, 2005, 96, 756-766.	2.0	205
15	Defective DNA Replication Impairs Mitochondrial Biogenesis In Human Failing Hearts. Circulation Research, 2010, 106, 1541-1548.	2.0	192
16	Abrogation of ventricular arrhythmias in a model of ischemia and reperfusion by targeting myocardial calcium cycling. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5622-5627.	3.3	188
17	Regulation of cardiac hypertrophy in vivo by the stress-activated protein kinases/c-Jun NH2-terminal kinases. Journal of Clinical Investigation, 1999, 104, 391-398.	3.9	158
18	Prospects for Gene Therapy for Heart Failure. Circulation Research, 2000, 86, 616-621.	2.0	151

#	Article	IF	Citations
19	Independent Susceptibility Markers for Atrial Fibrillation on Chromosome 4q25. Circulation, 2010, 122, 976-984.	1.6	137
20	Getting to the Heart of Alzheimer Disease. Circulation Research, 2019, 124, 142-149.	2.0	136
21	Aî² Amyloid Pathology Affects the Hearts of PatientsÂWithÂAlzheimerâ€™s Disease. Journal of the American College of Cardiology, 2016, 68, 2395-2407.	1.2	132
22	Restoration of mechanical and energetic function in failing aortic-banded rat hearts by gene transfer of calcium cycling proteins. Journal of Molecular and Cellular Cardiology, 2007, 42, 852-861.	0.9	120
23	Protein Aggregates and Novel Presenilin Gene Variants in Idiopathic Dilated Cardiomyopathy. Circulation, 2010, 121, 1216-1226.	1.6	110
24	Atrial natriuretic peptide is negatively regulated by microRNA-425. Journal of Clinical Investigation, 2013, 123, 3378-3382.	3.9	109
25	Prevention of Ventricular Arrhythmias With Sarcoplasmic Reticulum Ca ²⁺ ATPase Pump Overexpression in a Porcine Model of Ischemia Reperfusion. Circulation, 2008, 118, 614-624.	1.6	108
26	Sarco/Endoplasmic Reticulum Ca 2+ -ATPase Gene Transfer Reduces Vascular Smooth Muscle Cell Proliferation and Neointima Formation in the Rat. Circulation Research, 2005, 97, 488-495.	2.0	93
27	Pathological Role of Serum- and Glucocorticoid-Regulated Kinase 1 in Adverse Ventricular Remodeling. Circulation, 2012, 126, 2208-2219.	1.6	91
28	Targeting calcium cycling proteins in heart failure through gene transfer. Journal of Physiology, 2003, 546, 49-61.	1.3	86
29	Delayed erythropoietin therapy reduces post-MI cardiac remodeling only at a dose that mobilizes endothelial progenitor cells. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H522-H529.	1.5	85
30	Mitral Regurgitation Augments Post-Myocardial Infarction Remodeling. Journal of the American College of Cardiology, 2008, 51, 476-486.	1.2	83
31	SERCA2a Overexpression Decreases the Incidence of Aftercontractions in Adult Rabbit Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 2001, 33, 1005-1015.	0.9	80
32	Functional Near-Infrared Imaging for Cardiac Surgery and Targeted Gene Therapy. Molecular Imaging, 2002, 1, 365-377.	0.7	78
33	Primary cilia defects causing mitral valve prolapse. Science Translational Medicine, 2019, 11, .	5.8	76
34	Histidine-rich Ca-binding protein interacts with sarcoplasmic reticulum Ca-ATPase. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H1581-H1589.	1.5	75
35	Catheter-based antegrade intracoronary viral gene delivery with coronary venous blockade. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2995-H3000.	1.5	70
36	Compartmentalized expression of three novel sarco/endoplasmic reticulum Ca2+ATPase 3 isoforms including the switch to ER stress, SERCA3f, in non-failing and failing human heart. Cell Calcium, 2009, 45, 144-154.	1.1	65

#	Article	IF	Citations
37	Transcoronary gene transfer of SERCA2a increases coronary blood flow and decreases cardiomyocyte size in a Type 2 diabetic rat model. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1204-H1207.	1.5	64
38	Cofilin-2 Phosphorylation and Sequestration in Myocardial Aggregates. Journal of the American College of Cardiology, 2015, 65, 1199-1214.	1.2	62
39	In Vivo Cardiac Gene Transfer of Kv4.3 Abrogates the Hypertrophic Response in Rats After Aortic Stenosis. Circulation, 2004, 110, 3435-3443.	1.6	58
40	Histidine-rich Ca binding protein: aÂregulator ofÂsarcoplasmic reticulum calcium sequestration andÂcardiac function. Journal of Molecular and Cellular Cardiology, 2006, 40, 653-665.	0.9	57
41	SERCA2a in Heart Failure: Role and Therapeutic Prospects. Journal of Bioenergetics and Biomembranes, 2005, 37, 375-380.	1.0	56
42	Stanniocalcin1 is a key mediator of amyloidogenic light chain induced cardiotoxicity. Basic Research in Cardiology, 2013, 108, 378.	2.5	56
43	Novel technique of aortic banding followed by gene transfer during hypertrophy and heart failure. Physiological Genomics, 2002, 9, 49-56.	1.0	55
44	Mechanical and metabolic rescue in a type II diabetes model of cardiomyopathy by targeted gene transfer. Molecular Therapy, 2006, 13, 987-996.	3.7	55
45	Sensitization of Human Atrial 5-HT 4 Receptors by Chronic Î²-Blocker Treatment. Circulation, 1995, 92, 2526-2539.	1.6	53
46	Overwhelming Evidence of the Beneficial Effects of SERCA Gene Transfer in Heart Failure. Circulation Research, 2001, 88, E66-7.	2.0	51
47	Cell geometry and contractile abnormalities of myocytes from failing human left ventricle. Cardiovascular Research, 1995, 30, 281-290.	1.8	50
48	Gene expression and genetic variation in human atria. Heart Rhythm, 2014, 11, 266-271.	0.3	48
49	Human cardiac-specific cDNA array for idiopathic dilated cardiomyopathy: sex-related differences. Physiological Genomics, 2008, 33, 267-277.	1.0	45
50	Protein postâ€translational modifications and misfolding: New concepts in heart failure. Proteomics - Clinical Applications, 2014, 8, 534-542.	0.8	45
51	Neonatal gene transfer of Serca2a delays onset of hypertrophic remodeling and improves function in familial hypertrophic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2010, 49, 993-1002.	0.9	44
52	Rescue of Ca²⁺ overload-induced left ventriclur dysfunction by targeted ablation of phospholamban. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H310-H317.	1.5	39
53	Cardiac-Specific Gene Expression Facilitated by an Enhanced Myosin Light Chain Promoter. Molecular Imaging, 2004, 3, 69-75.	0.7	35
54	Intracellular devastation in heart failure. Heart Failure Reviews, 2008, 13, 151-162.	1.7	30

#	Article	IF	Citations
55	Reduced contractile responses to forskolin and a cyclic AMP analogue in myocytes from failing human ventricle. European Journal of Pharmacology, 1992, 223, 39-48.	1.7	29
56	Regulation of Abro1/KIAA0157 during myocardial infarction and cell death reveals a novel cardioprotective mechanism for Lys63-specific deubiquitination. Journal of Molecular and Cellular Cardiology, 2011, 50, 652-661.	0.9	29
57	Functional Near-Infrared Fluorescence Imaging for Cardiac Surgery and Targeted Gene Therapy. Molecular Imaging, 2002, 1, 153535002002213.	0.7	27
58	Isolation, Culture, and Functional Characterization of Adult Mouse Cardiomyoctyes. Journal of Visualized Experiments, 2013, , e50289.	0.2	27
59	Reductive stress promotes protein aggregation and impairs neurogenesis. Redox Biology, 2020, 37, 101739.	3.9	21
60	Contraction of cardiac myocytes from noradrenaline-treated rats in response to isoprenaline, forskolin and dibutyryl cAMP. European Journal of Pharmacology, 1990, 191, 129-140.	1.7	19
61	Abnormal Calcium Handling and Exaggerated Cardiac Dysfunction in Mice with Defective Vitamin D Signaling. PLoS ONE, 2014, 9, e108382.	1.1	19
62	Efficient Viral Gene Transfer to Rodent Hearts In Vivo. , 2003, 219, 179-194.		16
63	Interaction between increased SERCA2a activity and Î²-adrenoceptor stimulation in adult rabbit myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2450-H2457.	1.5	16
64	Transcriptional changes following restoration of SERCA2a levels in failing rat hearts. FASEB Journal, 2004, 18, 1474-1476.	0.2	16
65	Gene transfer in cardiac myocytes. Surgical Clinics of North America, 2004, 84, 141-159.	0.5	16
66	Heart and Brain: Complex Relationships for Left Ventricular Dysfunction. Current Cardiology Reports, 2020, 22, 72.	1.3	16
67	The long and winding road to target protein misfolding in cardiovascular diseases. European Journal of Clinical Investigation, 2021, 51, e13504.	1.7	16
68	Progressive nature of chronic mitral regurgitation and the role of tissue Doppler-derived indexes. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2106-H2111.	1.5	14
69	Defects in calcium control. Journal of Cardiac Failure, 2002, 8, S421-S431.	0.7	13
70	Phosphorylated cofilin-2 is more prone to oxidative modifications on Cys39 and favors amyloid fibril formation. Redox Biology, 2020, 37, 101691.	3.9	12
71	Title is missing!. Molecular and Cellular Biochemistry, 2003, 251, 103-109.	1.4	11
72	Current and future circulating biomarkers for cardiac amyloidosis. Acta Pharmacologica Sinica, 2018, 39, 1133-1141.	2.8	10

#	Article	IF	Citations
73	Pre-amyloid oligomers budding:a metastatic mechanism of proteotoxicity. Scientific Reports, 2016, 6, 35865.	1.6	9
74	Cyclic AMP levels in ventricular myocytes from noradrenaline-treated guinea-pigs. European Journal of Pharmacology, 1996, 310, 235-242.	1.7	8
75	Cardiac-Specific Gene Expression Facilitated by an Enhanced Myosin Light Chain Promoter. Molecular Imaging, 2004, 3, 153535002004041.	0.7	8
76	Protein Unfolding in Cardiomyopathies. Heart Failure Clinics, 2005, 1, 237-250.	1.0	8
77	Fingerprint Profile of Alcohol-Associated Heart Failure in Human Hearts. Alcoholism: Clinical and Experimental Research, 2008, 32, 814-821.	1.4	8
78	The Heart of the Alzheimer's: A Mindful View of Heart Disease. Frontiers in Physiology, 2020, 11, 625974.	1.3	8
79	Is heart failure with preserved ejection fraction a â€˜dementiaâ€™ of the heart?. Heart Failure Reviews, 2022, 27, 587-594.	1.7	7
80	Protection of Human Myocardium In Vitro by KATP Activation with Low Concentrations of Bimakalim. Journal of Cardiovascular Pharmacology, 1999, 34, 162-172.	0.8	7
81	Gene therapy for the treatment of heart failureâ€"calcium signaling. Seminars in Thoracic and Cardiovascular Surgery, 2003, 15, 268-276.	0.4	5
82	Insights from Second-Line Treatments for Idiopathic Dilated Cardiomyopathy. Journal of Cardiovascular Development and Disease, 2017, 4, 12.	0.8	5
83	The Unraveling. American Journal of Pathology, 2020, 190, 1609-1621.	1.9	5
84	Targeted gene transfer in heart failure: implications for novel gene identification. Current Opinion in Molecular Therapeutics, 2004, 6, 381-94.	2.8	4
85	Genetic maneuvers to ameliorate ventricular function in heart failure: therapeutic potential and future implications. Expert Review of Cardiovascular Therapy, 2005, 3, 85-97.	0.6	3
86	Transgenic Models of Heart Failure: Elucidation of the Molecular Mechanisms of Heart Disease. Heart Failure Clinics, 2005, 1, 219-236.	1.0	3
87	Gene Transfer to Rodent Hearts In Vivo. Methods in Molecular Biology, 2017, 1521, 195-204.	0.4	3
88	Modulating signaling pathways in hypertrophy and heart failure by gene transfer. Journal of Cardiac Failure, 2002, 8, S389-S400.	0.7	2
89	Dissociation of hypertrophic growth from changes in myocyte contractile function. Journal of Cardiac Failure, 2002, 8, S415-S420.	0.7	1
90	Response to Letter Regarding Article â€œInositol 1,4,5-Trisphosphate Receptors and Human Left Ventricular Myocytesâ€. Circulation, 2014, 129, e510-1.	1.6	1

#	Article	IF	Citations
91	The more we learn, the less we know: A novel cardiac mechanism of brain damage. Journal of Molecular and Cellular Cardiology, 2019, 128, 158-159.	0.9	1
92	Pathogenesis of Heart Failure. Heart Failure Clinics, 2005, 1, xiii.	1.0	0
93	Electrochemical data on redox properties of human Cofilin-2 and its Mutant S3D. Data in Brief, 2020, 33, 106345.	0.5	0
94	Cardiovascular Gene and Cell Therapy. , 2005, , 763-788.		0