

Francesca Stillitano

List of Publications by Year in descending order

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46
papers

2,085
citations

394421
19
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315739
38
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48
all docs

48
docs citations

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times ranked

3315
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental Changes in Cardiomyocytes Differentiated from Human Embryonic Stem Cells: A Molecular and Electrophysiological Approach. <i>Stem Cells</i> , 2007, 25, 1136-1144.	3.2	348
2	Late Sodium Current Inhibition Reverses Electromechanical Dysfunction in Human Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2013, 127, 575-584.	1.6	347
3	Molecular basis of funny current (I _f) in normal and failing human heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 289-299.	1.9	158
4	Correction of human phospholamban R14del mutation associated with cardiomyopathy using targeted nucleases and combination therapy. <i>Nature Communications</i> , 2015, 6, 6955.	12.8	155
5	Small Molecule-Mediated Directed Differentiation of Human Embryonic Stem Cells Toward Ventricular Cardiomyocytes. <i>Stem Cells Translational Medicine</i> , 2014, 3, 18-31.	3.3	141
6	Exosomal microRNA-21-5p Mediates Mesenchymal Stem Cell Paracrine Effects on Human Cardiac Tissue Contractility. <i>Circulation Research</i> , 2018, 122, 933-944.	4.5	129
7	Modeling susceptibility to drug-induced long QT with a panel of subject-specific induced pluripotent stem cells. <i>ELife</i> , 2017, 6, .	6.0	82
8	Enhanced ROS production by NADPH oxidase is correlated to changes in antioxidant enzyme activity in human heart failure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 331-338.	3.8	76
9	Considerations for pre-clinical models and clinical trials of pluripotent stem cell-derived cardiomyocytes. <i>Stem Cell Research and Therapy</i> , 2014, 5, 1.	5.5	62
10	Genomic correction of familial cardiomyopathy in human engineered cardiac tissues. <i>European Heart Journal</i> , 2016, 37, 3282-3284.	2.2	60
11	Long-term treatment with ivabradine in post-myocardial infarcted rats counteracts I _{CaT} channel overexpression. <i>British Journal of Pharmacology</i> , 2012, 165, 1457-1466.	5.4	55
12	Heart rate reduction with ivabradine prevents the global phenotype of left ventricular remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H366-H373.	3.2	47
13	Effectiveness of gene delivery systems for pluripotent and differentiated cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015, 2, 14067.	4.1	47
14	Functional Human Beige Adipocytes From Induced Pluripotent Stem Cells. <i>Diabetes</i> , 2017, 66, 1470-1478.	0.6	42
15	Chronic Atrial Fibrillation Alters the Functional Properties of I _{Kr} in the Human Atrium. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 1391-1400.	1.7	39
16	Molecular and Functional Evidence of HCN4 and Caveolin-3 Interaction During Cardiomyocyte Differentiation from Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2013, 22, 1717-1727.	2.1	34
17	Growth Factor-Induced Mobilization of Cardiac Progenitor Cells Reduces the Risk of Arrhythmias, in a Rat Model of Chronic Myocardial Infarction. <i>PLoS ONE</i> , 2011, 6, e17750.	2.5	31
18	Functional remodeling in post-myocardial infarcted rats: focus on beta-adrenoceptor subtypes. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 258-266.	1.9	27

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19	Functional and transcriptomic insights into pathogenesis of R9C phospholamban mutation using human induced pluripotent stem cell-derived cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 119, 147-154.	1.9	25
20	Differential functional effects of two 5-HT receptor isoforms in adult cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 39, 335-344.	1.9	24
21	Gene editing reverses arrhythmia susceptibility in humanized PLN-R14del mice: modelling a European cardiomyopathy with global impact. <i>Cardiovascular Research</i> , 2022, 118, 3140-3150.	3.8	23
22	Adult human cardiac stem cell supplementation effectively increases contractile function and maturation in human engineered cardiac tissues. <i>Stem Cell Research and Therapy</i> , 2019, 10, 373.	5.5	17
23	Cardiac Tissue Engineering Models of Inherited and Acquired Cardiomyopathies. <i>Methods in Molecular Biology</i> , 2018, 1816, 145-159.	0.9	16
24	Expression of the hyperpolarization-activated current, <i>I_f</i> , in cultured adult rat ventricular cardiomyocytes and its modulation by hypertrophic factors. <i>Pharmacological Research</i> , 2008, 57, 100-109.	7.1	15
25	Prenatal exposure to carbon monoxide delays postnatal cardiac maturation. <i>Laboratory Investigation</i> , 2010, 90, 1582-1593.	3.7	14
26	Impaired Right Ventricular Calcium Cycling Is an Early Risk Factor in R14del-Phospholamban Arrhythmias. <i>Journal of Personalized Medicine</i> , 2021, 11, 502.	2.5	12
27	Response to Letter Regarding Article, “Late Sodium Current Inhibition Reverses Electromechanical Dysfunction in Human Hypertrophic Cardiomyopathy” • <i>Circulation</i> , 2013, 128, e157.	1.6	11
28	Electrophysiologic changes in heart failure: focus on pacemaker channelsThis article is one of a selection of papers from the NATO Advanced Research Workshop on Translational Knowledge for Heart Health (published in part 1 of a 2-part Special Issue).. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 84-90.	1.4	10
29	Arrhythmia Mechanism and Dynamics in a Humanized Mouse Model of Inherited Cardiomyopathy Caused by Phospholamban R14del Mutation. <i>Circulation</i> , 2021, 144, 441-454.	1.6	10
30	The direct stimulation of Gi proteins by neuropeptide Y (NPY) in the rat left ventricle. <i>Biochemical Pharmacology</i> , 2002, 63, 2063-2068.	4.4	8
31	Quantification of midkine gene expression in <i>Patella caerulea</i> (Mollusca, Gastropoda) exposed to cadmium. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 75, 120-124.	2.1	5
32	A micromachined force sensing apparatus and method for human engineered cardiac tissue and induced pluripotent stem cell characterization. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 112874.	4.1	4
33	Generation of human induced pluripotent stem cell (iPSC) lines derived from five patients carrying the pathogenic phospholamban-R14del (PLN-R14del) variant and three non-carrier family members. <i>Stem Cell Research</i> , 2022, 60, 102737.	0.7	3
34	Preclinical animal models for testing iPSC/ESC-based heart therapy. <i>Drug Discovery Today: Disease Models</i> , 2012, 9, e229-e236.	1.2	2
35	Gene Transfer in Cardiomyocytes Derived from ES and iPS Cells. <i>Methods in Molecular Biology</i> , 2017, 1521, 183-193.	0.9	2
36	Abstract P482: Elucidating And Characterizing The Molecular Mechanistic Role Of Phospholamban L39 Stop In The Pathophysiology Of Cardiomyopathy Using Patient-derived Human Induced Pluripotent Stem Cells And Humanized Knock-in Mouse Model Systems. <i>Circulation Research</i> , 2021, 129, .	4.5	2

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37	Generation of Ventricular-Like hiPSC-Derived Cardiomyocytes and High-Quality Cell Preparations for Calcium Handling Characterization. Journal of Visualized Experiments, 2020, , .	0.3	1
38	Abstract 530: Mechanisms Underlying Phospholamban L39 Stop (PLN L39X) Cardiomyopathy. Circulation Research, 2020, 127, .	4.5	1
39	Expression and modulation of f-channels in chronic atrial fibrillation: A study in human atrium. Journal of Molecular and Cellular Cardiology, 2007, 42, S6-S7.	1.9	0
40	Molecular and functional development of cardiomyocytes differentiated from human embryonic stem cells. Journal of Molecular and Cellular Cardiology, 2007, 42, S90-S91.	1.9	0
41	5-HT2 receptors enable cardiac differentiation of mouse embryonic stem cells. Journal of Molecular and Cellular Cardiology, 2007, 42, S92.	1.9	0
42	Impact of R4496C RyR2 Mutation on Myocardial Contractility. Biophysical Journal, 2011, 100, 291a.	0.5	0
43	2525 Development of human cell-based screening assays to detect subject-specific drug-response variability. Journal of Clinical and Translational Science, 2018, 2, 9-10.	0.6	0
44	3444 Development of human engineered cardiac tissue (hECT)-based screening assay to explore cardiac contractile properties in response to pharmacological challenge with proarrhythmic drugs. Journal of Clinical and Translational Science, 2019, 3, 8-8.	0.6	0
45	3213 Unraveling the role of Phospholamban (PLN) in humans via the characterization of Induced Pluripotent Stem Cell (iPSC) Cardiomyocytes (CM) derived from carriers of a lethal PLN mutation. Journal of Clinical and Translational Science, 2019, 3, 26-26.	0.6	0
46	Abstract 142: Modeling Drug-Induced Long QT Syndrome with Patient-Specific Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Circulation Research, 2013, 113, .	4.5	0