Francesca Stillitano

List of Publications by Year
in descending order

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46 papers	2,085 citations	394286 19 h-index	315616 38 g-index
48 all docs	48 docs citations	48 times ranked	3315 citing authors

#	Article	IF	Citations
1	Gene editing reverses arrhythmia susceptibility in humanized PLN-R14del mice: modelling a European cardiomyopathy with global impact. Cardiovascular Research, 2022, 118, 3140-3150.	1.8	23
2	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. Stem Cell Research, 2022, 60, 102737.	0.3	3
3	Impaired Right Ventricular Calcium Cycling Is an Early Risk Factor in R14del-Phospholamban Arrhythmias. Journal of Personalized Medicine, 2021, 11, 502.	1.1	12
4	Arrhythmia Mechanism and Dynamics in a Humanized Mouse Model of Inherited Cardiomyopathy Caused by Phospholamban R14del Mutation. Circulation, 2021, 144, 441-454.	1.6	10
5	A micromachined force sensing apparatus and method for human engineered cardiac tissue and induced pluripotent stem cell characterization. Sensors and Actuators A: Physical, 2021, 331, 112874.	2.0	4
6	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. Circulation Research, 2021, 129, .	2.0	2
7	Generation of Ventricular-Like HiPSC-Derived Cardiomyocytes and High-Quality Cell Preparations for Calcium Handling Characterization. Journal of Visualized Experiments, 2020, , .	0.2	1
8	Abstract 530: Mechanisms Underlying Phospholamban L39 Stop (PLN L39X) Cardiomyopathy. Circulation Research, 2020, 127, .	2.0	1
9	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.	0.3	0
10	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.	0.3	0
11	Adult human cardiac stem cell supplementation effectively increases contractile function and maturation in human engineered cardiac tissues. Stem Cell Research and Therapy, 2019, 10, 373.	2.4	17
12	Exosomal microRNA-21-5p Mediates Mesenchymal Stem Cell Paracrine Effects on Human Cardiac Tissue Contractility. Circulation Research, 2018, 122, 933-944.	2.0	129
13	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.	0.3	0
14	Cardiac Tissue Engineering Models of Inherited and Acquired Cardiomyopathies. Methods in Molecular Biology, 2018, 1816, 145-159.	0.4	16
15	Functional and transcriptomic insights into pathogenesis of R9C phospholamban mutation using human induced pluripotent stem cell-derived cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2018, 119, 147-154.	0.9	25
16	Functional Human Beige Adipocytes From Induced Pluripotent Stem Cells. Diabetes, 2017, 66, 1470-1478.	0.3	42
17	Gene Transfer in Cardiomyocytes Derived from ES and iPS Cells. Methods in Molecular Biology, 2017, 1521, 183-193.	0.4	2
18	Modeling susceptibility to drug-induced long QT with a panel of subject-specific induced pluripotent stem cells. ELife, 2017, 6, .	2.8	82

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19	Genomic correction of familial cardiomyopathy in human engineered cardiac tissues. European Heart Journal, 2016, 37, 3282-3284.	1.0	60
20	Effectiveness of gene delivery systems for pluripotent and differentiated cells. Molecular Therapy - Methods and Clinical Development, 2015, 2, 14067.	1.8	47
21	Correction of human phospholamban R14del mutation associated with cardiomyopathy using targeted nucleases and combination therapy. Nature Communications, 2015, 6, 6955.	5.8	155
22	Considerations for pre-clinical models and clinical trials of pluripotent stem cell-derived cardiomyocytes. Stem Cell Research and Therapy, 2014, 5, 1.	2.4	62
23	Small Molecule-Mediated Directed Differentiation of Human Embryonic Stem Cells Toward Ventricular Cardiomyocytes. Stem Cells Translational Medicine, 2014, 3, 18-31.	1.6	141
24	Molecular and Functional Evidence of HCN4 and Caveolin-3 Interaction During Cardiomyocyte Differentiation from Human Embryonic Stem Cells. Stem Cells and Development, 2013, 22, 1717-1727.	1.1	34
25	Response to Letter Regarding Article, â€œLate Sodium Current Inhibition Reverses Electromechanical Dysfunction in Human Hypertrophic Cardiomyopathyâ€. Circulation, 2013, 128, e157.	1.6	11
26	Late Sodium Current Inhibition Reverses Electromechanical Dysfunction in Human Hypertrophic Cardiomyopathy. Circulation, 2013, 127, 575-584.	1.6	347
27	Chronic Atrial Fibrillation Alters the Functional Properties of I_f in the Human Atrium. Journal of Cardiovascular Electrophysiology, 2013, 24, 1391-1400.	0.8	39
28	Abstract 142: Modeling Drug-Induced Long QT Syndrome with Patient-Specific Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Circulation Research, 2013, 113, .	2.0	0
29	Preclinical animal models for testing iPSC/ESC-based heart therapy. Drug Discovery Today: Disease Models, 2012, 9, e229-e236.	1.2	2
30	Longâ€term treatment with ivabradine in postâ€myocardial infarcted rats counteracts fâ€channel overexpression. British Journal of Pharmacology, 2012, 165, 1457-1466.	2.7	55
31	Impact of R4496C RyR2 Mutation on Myocardial Contractility. Biophysical Journal, 2011, 100, 291a.	0.2	0
32	Growth Factor-Induced Mobilization of Cardiac Progenitor Cells Reduces the Risk of Arrhythmias, in a Rat Model of Chronic Myocardial Infarction. PLoS ONE, 2011, 6, e17750.	1.1	31
33	Heart rate reduction with ivabradine prevents the global phenotype of left ventricular remodeling. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H366-H373.	1.5	47
34	Prenatal exposure to carbon monoxide delays postnatal cardiac maturation. Laboratory Investigation, 2010, 90, 1582-1593.	1.7	14
35	Enhanced ROS production by NADPH oxidase is correlated to changes in antioxidant enzyme activity in human heart failure. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 331-338.	1.8	76
36	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).. Canadian Journal of Physiology and Pharmacology, 2009, 87, 84-90.	0.7	10

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37	Expression of the hyperpolarization-activated current, If, in cultured adult rat ventricular cardiomyocytes and its modulation by hypertrophic factors. Pharmacological Research, 2008, 57, 100-109.	3.1	15
38	Molecular basis of funny current (If) in normal and failing human heart. Journal of Molecular and Cellular Cardiology, 2008, 45, 289-299.	0.9	158
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.	0.9	0
40	Molecular and functional development of cardiomyocytes differentiated from human embryonic stem cells. Journal of Molecular and Cellular Cardiology, 2007, 42, S90-S91.	0.9	0
41	5-HT2 receptors enable cardiac differentiation of mouse embryonic stem cells. Journal of Molecular and Cellular Cardiology, 2007, 42, S92.	0.9	0
42	Developmental Changes in Cardiomyocytes Differentiated from Human Embryonic Stem Cells: A Molecular and Electrophysiological Approach. Stem Cells, 2007, 25, 1136-1144.	1.4	348
43	Quantification of midkine gene expression in Patella caerulea (Mollusca, Gastropoda) exposed to cadmium. Estuarine, Coastal and Shelf Science, 2007, 75, 120-124.	0.9	5
44	Functional remodeling inÂpost-myocardial infarcted rats: focus onÂbeta-adrenoceptor subtypes. Journal of Molecular and Cellular Cardiology, 2006, 40, 258-266.	0.9	27
45	Differential functional effects of two 5-HT receptor isoforms in adult cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2005, 39, 335-344.	0.9	24
46	The direct stimulation of Gi proteins by neuropeptide Y (NPY) in the rat left ventricle. Biochemical Pharmacology, 2002, 63, 2063-2068.	2.0	8