Ismail Adeniran

List of Publications by Year in descending order

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26 papers	547 citations	687363 13 h-index	888059 17 g-index
27 all docs	27 docs citations	27 times ranked	639 citing authors

#	Article	IF	Citations
1	In-silico investigations of the functional impact of KCNA5 mutations on atrial mechanical dynamics. Journal of Molecular and Cellular Cardiology, 2017, 111, 86-95.	1.9	18
2	In silico investigation of a KCNQ1 mutation associated with short QT syndrome. Scientific Reports, 2017, 7, 8469.	3.3	44
3	Physiological mechanisms of pulmonary hypertension. American Heart Journal, 2016, 180, 1-11.	2.7	24
4	A 2D Electromechanical Model of Human Atrial Tissue Using the Discrete Element Method. BioMed Research International, 2015, 2015, 1-12.	1.9	9
5	Effects of Persistent Atrial Fibrillation-Induced Electrical Remodeling on Atrial Electro-Mechanics â€“ Insights from a 3D Model of the Human Atria. PLoS ONE, 2015, 10, e0142397.	2.5	26
6	Abnormal calcium homeostasis in heart failure with preserved ejection fraction is related to both reduced contractile function and incomplete relaxation: an electromechanically detailed biophysical modeling study. Frontiers in Physiology, 2015, 6, 78.	2.8	45
7	To the Editorâ€“Altered in vivo systolic function in the short QT syndrome anticipated in silico. Heart Rhythm, 2015, 12, e115.	0.7	3
8	EFFECTS OF ACUTE GLOBAL ISCHEMIA ON RE-ENTRANT ARRHYTHMOGENESIS: A SIMULATION STUDY. Journal of Biological Systems, 2015, 23, 213-230.	1.4	6
9	Left ventricular ejection fraction is determined by both global myocardial strain and wall thickness. IJC Heart and Vasculature, 2015, 7, 113-118.	1.1	44
10	The Short QT Syndrome. Springer Theses, 2014, , 51-64.	0.1	0
11	Modelling the Short QT Syndrome Gene Mutations. Springer Theses, 2014, , .	0.1	0
12	Mathematically Modelling the Functional Consequences of the SQT2 Mutation. Springer Theses, 2014, , 129-151.	0.1	0
13	Potassium Channels Implicated in the Short QT Syndrome. Springer Theses, 2014, , 33-49.	0.1	0
14	Increased Vulnerability of the Human Ventricle to Re-entrant Excitation in hERG Linked SQT1. Springer Theses, 2014, , 101-128.	0.1	0
15	Introduction to Ion Channels and the Cardiac Action Potential. Springer Theses, 2014, , 1-31.	0.1	0
16	Proarrhythmia in KCNJ2-Linked Short QT Syndrome: Insights from Modelling. Springer Theses, 2014, , 153-172.	0.1	0
17	In silico investigation of the short QT syndrome, using human ventricle models incorporating electromechanical coupling. Frontiers in Physiology, 2013, 4, 166.	2.8	48
18	Effect of cardiac ventricular mechanical contraction on the characteristics of the ECG: A simulation study. Journal of Biomedical Science and Engineering, 2013, 06, 47-60.	0.4	26

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19	Modeling the Chronotropic Effect of Isoprenaline on Rabbit Sinoatrial Node. Frontiers in Physiology, 2012, 3, 241.	2.8	19
20	Integration of Genetics into a Systems Model of Electrocardiographic Traits Using HumanCVD BeadChip. Circulation: Cardiovascular Genetics, 2012, 5, 630-638.	5.1	12
21	Proarrhythmia in KCNJ2-linked short QT syndrome: insights from modelling. Cardiovascular Research, 2012, 94, 66-76.	3.8	49
22	Development of biophysically detailed electrophysiological models for pacemaking and non-pacemaking human pulmonary vein cardiomyocytes. , 2012, 2012, 199-202.		7
23	Proâ€arrhythmogenic effects of the S140G KCNQ1 mutation in human atrial fibrillation â€“ insights from modelling. Journal of Physiology, 2012, 590, 4501-4514.	2.9	53
24	The Short QT Syndrome. , 2011, , 431-449.		5
25	Increased Vulnerability of Human Ventricle to Re-entrant Excitation in hERG-linked Variant 1 Short QT Syndrome. PLoS Computational Biology, 2011, 7, e1002313.	3.2	79
26	Acidosis Impairs the Protective Role of hERG K⁺ Channels Against Premature Stimulation. Journal of Cardiovascular Electrophysiology, 2010, 21, 1160-1169.	1.7	30