

Xin Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

608
citations

840119

11
h-index

940134

16
g-index

19
all docs

19
docs citations

19
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	The virtual assay software for human in silico drug trials to augment drug cardiac testing. <i>Journal of Computational Science</i> , 2021, 52, 101202.	1.5	14
2	Effects of Fibre Orientation on Electrocardiographic and Mechanical Functions in a Computational Human Biventricular Model. <i>Lecture Notes in Computer Science</i> , 2021, , 351-361.	1.0	0
3	Human biventricular electromechanical simulations on the progression of electrocardiographic and mechanical abnormalities in post-myocardial infarction. <i>Europace</i> , 2021, 23, i143-i152.	0.7	15
4	Blockade of sodium-calcium exchanger via ORM-10962 attenuates cardiac alternans. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 153, 111-122.	0.9	9
5	Electrophysiological and anatomical factors determine arrhythmic risk in acute myocardial ischaemia and its modulation by sodium current availability. <i>Interface Focus</i> , 2021, 11, 20190124.	1.5	11
6	General Principles for the Validation of Proarrhythmia Risk Prediction Models: An Extension of the CiPA <i>In Silico</i> Strategy. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 107, 102-111.	2.3	67
7	A modeling and machine learning approach to ECG feature engineering for the detection of ischemia using pseudo-ECG. <i>PLoS ONE</i> , 2019, 14, e0220294.	1.1	23
8	Investigating the Complex Arrhythmic Phenotype Caused by the Gain-of-Function Mutation KCNQ1-G229D. <i>Frontiers in Physiology</i> , 2019, 10, 259.	1.3	13
9	Pro-arrhythmic risk assessment with a population model of human ventricular myocyte action potentials. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019, 99, 106595.	0.3	3
10	Blinded In Silico Drug Trial Reveals the Minimum Set of Ion Channels for Torsades de Pointes Risk Assessment. <i>Frontiers in Pharmacology</i> , 2019, 10, 1643.	1.6	26
11	Development, calibration, and validation of a novel human ventricular myocyte model in health, disease, and drug block. <i>ELife</i> , 2019, 8, .	2.8	131
12	In silico evaluation of arrhythmia. <i>Current Opinion in Physiology</i> , 2018, 1, 95-103.	0.9	8
13	Modulation of Cardiac Alternans by Altered Sarcoplasmic Reticulum Calcium Release: A Simulation Study. <i>Frontiers in Physiology</i> , 2018, 9, 1306.	1.3	16
14	Effects and underlying mechanisms of refractory period pacing on repolarization dynamics in the human heart. , 2016, 2016, 157-160.		0
15	Variability in cardiac electrophysiology: Using experimentally-calibrated populations of models to move beyond the single virtual physiological human paradigm. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 120, 115-127.	1.4	141
16	In Vivo and In Silico Investigation Into Mechanisms of Frequency Dependence of Repolarization Alternans in Human Ventricular Cardiomyocytes. <i>Circulation Research</i> , 2016, 118, 266-278.	2.0	68
17	The role of APC/C inhibitor Emi2/XErp1 in oscillatory dynamics of early embryonic cell cycles. <i>Biophysical Chemistry</i> , 2013, 177-178, 1-6.	1.5	16