Xin Zhou

List of Publications by Year
in descending order

17	608	840119 11	940134 16
papers	citations	h-index	g-index

19	19	19	714
all docs	docs citations	times ranked	citing authors

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