Oliver J Britton

List of Publications by Year
in descending order

10 papers	1,133 citations	1039880 9 h-index	1372474 10 g-index
15 all docs	15 docs citations	15 times ranked	1326 citing authors

#	Article	IF	Citations
1	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
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	The Electrogenic Na+/K+ Pump Is a Key Determinant of Repolarization Abnormality Susceptibility in Human Ventricular Cardiomyocytes: A Population-Based Simulation Study. Frontiers in Physiology, 2017, 8, 278.	1.3	53
4	Quantitative Comparison of Effects of Dofetilide, Sotalol, Quinidine, and Verapamil between Human Ex vivo Trabeculae and In silico Ventricular Models Incorporating Inter-Individual Action Potential Variability. Frontiers in Physiology, 2017, 8, 597.	1.3	43
5	Human In Silico Drug Trials Demonstrate Higher Accuracy than Animal Models in Predicting Clinical Pro-Arrhythmic Cardiotoxicity. Frontiers in Physiology, 2017, 8, 668.	1.3	227
6	Experimentally-Based Computational Investigation into Beat-To-Beat Variability in Ventricular Repolarization and Its Response to Ionic Current Inhibition. PLoS ONE, 2016, 11, e0151461.	1.1	29
7	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
8	Experimentally calibrated population of models predicts and explains intersubject variability in cardiac cellular electrophysiology. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2098-105.	3.3	278
9	Defining the Limits of Single-Molecule FRET Resolution in TIRF Microscopy. Biophysical Journal, 2010, 99, 3102-3111.	0.2	171
10	A population of in silico models identifies the interplay between Nav 1.8 conductance and potassium currents as key in regulating human dorsal root ganglion neuron excitability. F1000Research, 0, 11, 104.	0.8	0