Enno de Lange

List of Publications by Year
in descending order

20 papers	1,173 citations	567281 15 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	1290 citing authors

#	Article	IF	Citations
1	Synchronization of Bursting Neurons: What Matters in the Network Topology. Physical Review Letters, 2005, 94, 188101.	7.8	378
2	The Hindmarshâ€"Rose neuron model: Bifurcation analysis and piecewise-linear approximations. Chaos, 2008, 18, 033128.	2.5	188
3	Differential conditions for early afterâ€depolarizations and triggered activity in cardiomyocytes derived from transgenic LQT1 and LQT2 rabbits. Journal of Physiology, 2012, 590, 1171-1180.	2.9	104
4	Myokit: A simple interface to cardiac cellular electrophysiology. Progress in Biophysics and Molecular Biology, 2016, 120, 100-114.	2.9	97
5	Delayed afterdepolarizations generate both triggers and a vulnerable substrate promoting reentry in cardiac tissue. Heart Rhythm, 2015, 12, 2115-2124.	0.7	59
6	Computational Modeling and Numerical Methods for Spatiotemporal Calcium Cycling in Ventricular Myocytes. Frontiers in Physiology, 2012, 3, 114.	2.8	58
7	Bi-stable wave propagation and early afterdepolarizationâ€"mediated cardiac arrhythmias. Heart Rhythm, 2012, 9, 115-122.	0.7	53
8	Synchronization of Early Afterdepolarizations and Arrhythmogenesis inÂHeterogeneous Cardiac Tissue Models. Biophysical Journal, 2012, 103, 365-373.	0.5	46
9	Effects of stochastic channel gating and distribution on the cardiac action potential. Journal of Theoretical Biology, 2011, 281, 84-96.	1.7	44
10	Dynamics of Early Afterdepolarization-Mediated Triggered Activity in Cardiac Monolayers. Biophysical Journal, 2012, 102, 2706-2714.	0.5	35
11	Predicting single spikes and spike patterns with the Hindmarshâ€"Rose model. Biological Cybernetics, 2008, 99, 349-360.	1.3	23
12	Stochastic pacing reveals the propensity to cardiac action potential alternans and uncovers its underlying dynamics. Journal of Physiology, 2016, 594, 2537-2553.	2.9	17
13	The Transfer Functions of Cardiac Tissue during Stochastic Pacing. Biophysical Journal, 2009, 96, 294-311.	0.5	16
14	Alternans Resonance and Propagation Block during Supernormal Conduction in Cardiac Tissue with Decreased [K+]o. Biophysical Journal, 2010, 98, 1129-1138.	0.5	16
15	Uncovering the Dynamics of Cardiac Systems Using Stochastic Pacing and Frequency Domain Analyses. PLoS Computational Biology, 2012, 8, e1002399.	3.2	16
16	Pro- and antiarrhythmic effects of ATP-sensitive potassium current activation on reentry during early afterdepolarization-mediated arrhythmias. Heart Rhythm, 2013, 10, 575-582.	0.7	14
17	Computational tools to investigate genetic cardiac channelopathies. Frontiers in Physiology, 2013, 4, 390.	2.8	6
18	Supernormal Excitability Causes Alternans, Block, Wavebreak and Reentry in Cardiac Tissue. Biophysical Journal, 2011, 100, 435a.	0.5	3

#	Article	IF	Citations
19	Effects of Stochastic Channel Gating and Stochastic Channel Distribution on the Cardiac Action Potential. Biophysical Journal, 2010, 98, 334a.	0.5	0
20	Accurate Prediction of Alternans in Cardiac Cells Using Stochastic Pacing and Transfer Function Analysis. Biophysical Journal, 2011, 100, 436a.	0.5	0