

Chon-Lok Lei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7614460/publications.pdf>

Version: 2024-02-01

19
papers

419
citations

933264

10
h-index

1058333

14
g-index

24
all docs

24
docs citations

24
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Calibration of ionic and cellular cardiac electrophysiology models. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2020, 12, e1482.	6.6	62
2	Considering discrepancy when calibrating a mechanistic electrophysiology model. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190349.	1.6	46
3	Beta-cell hubs maintain Ca^{2+} oscillations in human and mouse islet simulations. Islets, 2018, 10, 151-167.	0.9	43
4	Tailoring Mathematical Models to Stem-Cell Derived Cardiomyocyte Lines Can Improve Predictions of Drug-Induced Changes to Their Electrophysiology. Frontiers in Physiology, 2017, 8, 986.	1.3	42
5	Probabilistic Inference on Noisy Time Series (PINTS). Journal of Open Research Software, 2019, 7, 23.	2.7	41
6	Rapid Characterization of hERG Channel Kinetics I: Using an Automated High-Throughput System. Biophysical Journal, 2019, 117, 2438-2454.	0.2	39
7	Rapid Characterization of hERG Channel Kinetics II: Temperature Dependence. Biophysical Journal, 2019, 117, 2455-2470.	0.2	38
8	Accounting for variability in ion current recordings using a mathematical model of artefacts in voltage-clamp experiments. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190348.	1.6	38
9	An audit of uncertainty in multi-scale cardiac electrophysiology models. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190335.	1.6	25
10	3D printed biomimetic cochleae and machine learning co-modelling provides clinical informatics for cochlear implant patients. Nature Communications, 2021, 12, 6260.	5.8	19
11	A nonlinear and time-dependent leak current in the presence of calcium fluoride patch-clamp seal enhancer. Wellcome Open Research, 2020, 5, 152.	0.9	6
12	A nonlinear and time-dependent leak current in the presence of calcium fluoride patch-clamp seal enhancer. Wellcome Open Research, 0, 5, 152.	0.9	6
13	Nicotinamide promotes cardiomyocyte derivation and survival through kinase inhibition in human pluripotent stem cells. Cell Death and Disease, 2021, 12, 1119.	2.7	4
14	Learning transmission dynamics modelling of COVID-19 using comodels. Mathematical Biosciences, 2022, 349, 108824.	0.9	4
15	Neural Network Differential Equations For Ion Channel Modelling. Frontiers in Physiology, 2021, 12, 708944.	1.3	3
16	Tailoring in silico model to electrophysiology of individual iPSC-derived cardiomyocyte lines: One-size fits all?. Journal of Pharmacological and Toxicological Methods, 2018, 93, 144.	0.3	0
17	High-throughput measurement and modeling of hERG kinetics using an automated platform. Journal of Pharmacological and Toxicological Methods, 2019, 99, 106595.	0.3	0
18	Automated High-Throughput Patch Clamp and Modelling to Capture hERG Kinetics and Temperature Dependence using Optimised Voltage Protocols. Biophysical Journal, 2020, 118, 570a.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Development, Implementation and Testing of a Multicellular Dynamic Action Potential Clamp Simulator for Drug Cardiac Safety Assessment. , 0, , .		0