

Brodie A J Lawson

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

252
citations

1163117

8
h-index

1199594

12
g-index

18
all docs

18
docs citations

18
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Learning Cycle Assessment of Stimulated Wells™ Performance through Advanced Mathematical Modeling. SPE Journal, 2022, , 1-15.	3.1	0
2	Machine Learning Identification of Pro-arrhythmic Structures in Cardiac Fibrosis. Frontiers in Physiology, 2021, 12, 709485.	2.8	1
3	Inference of ventricular activation properties from non-invasive electrocardiography. Medical Image Analysis, 2021, 73, 102143.	11.6	19
4	Quantitative analysis of tumour spheroid structure. ELife, 2021, 10, .	6.0	36
5	Variability in electrophysiological properties and conducting obstacles controls re-entry risk in heterogeneous ischaemic tissue. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190341.	3.4	6
6	Unlocking data sets by calibrating populations of models to data density: A study in atrial electrophysiology. Science Advances, 2018, 4, e1701676.	10.3	65
7	From ionic to cellular variability in human atrial myocytes: an integrative computational and experimental study. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H895-H916.	3.2	40
8	Slow Recovery of Excitability Increases Ventricular Fibrillation Risk as Identified by Emulation. Frontiers in Physiology, 2018, 9, 1114.	2.8	15
9	Space-Limited Mitosis in the Glazier“Graner“Hogeweg Model. Bulletin of Mathematical Biology, 2017, 79, 1-20.	1.9	11
10	Uncertainty quantification of coal seam gas production prediction using Polynomial Chaos. Journal of Petroleum Science and Engineering, 2017, 157, 1148-1159.	4.2	5
11	Dimension Reduction for the Emulation of Cardiac Electrophysiology Models for Single Cells and Tissue. , 2017, , .		1
12	Sampling methods for exploring between-subject variability in cardiac electrophysiology experiments. Journal of the Royal Society Interface, 2016, 13, 20160214.	3.4	25
13	A mathematical model for the induction of the mammalian ureteric bud. Journal of Theoretical Biology, 2016, 394, 43-56.	1.7	3
14	Light history-dependent respiration explains the hysteresis in the daily ecosystem metabolism of seagrass. Hydrobiologia, 2016, 766, 75-88.	2.0	15
15	The mathematical modelling of cheese ripening. ANZIAM Journal, 0, 55, 1.	0.0	2