Brodie A J Lawson

List of Publications by Year
in descending order

		1163117	1199594
15 papers	**252** citations	**8** h-index	**12** g-index
18 all docs	**18** docs citations	**18** times ranked	**371** citing authors

#	Article	IF	Citations
1	Unlocking data sets by calibrating populations of models to data density: A study in atrial electrophysiology. Science Advances, 2018, 4, e1701676.	10.3	65
2	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
3	Quantitative analysis of tumour spheroid structure. ELife, 2021, 10, .	6.0	36
4	Sampling methods for exploring between-subject variability in cardiac electrophysiology experiments. Journal of the Royal Society Interface, 2016, 13, 20160214.	3.4	25
5	Inference of ventricular activation properties from non-invasive electrocardiography. Medical Image Analysis, 2021, 73, 102143.	11.6	19
6	Light history-dependent respiration explains the hysteresis in the daily ecosystem metabolism of seagrass. Hydrobiologia, 2016, 766, 75-88.	2.0	15
7	Slow Recovery of Excitability Increases Ventricular Fibrillation Risk as Identified by Emulation. Frontiers in Physiology, 2018, 9, 1114.	2.8	15
8	Space-Limited Mitosis in the Glazier–Graner–Hogeweg Model. Bulletin of Mathematical Biology, 2017, 79, 1-20.	1.9	11
9	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
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	A mathematical model for the induction of the mammalian ureteric bud. Journal of Theoretical Biology, 2016, 394, 43-56.	1.7	3
12	The mathematical modelling of cheese ripening. ANZIAM Journal, 0, 55, 1.	0.0	2
13	Dimension Reduction for the Emulation of Cardiac Electrophysiology Models for Single Cells and Tissue. , 2017, , .		1
14	Machine Learning Identification of Pro-arrhythmic Structures in Cardiac Fibrosis. Frontiers in Physiology, 2021, 12, 709485.	2.8	1
15	Improved Learning Cycle Assessment of Stimulated Wells' Performance through Advanced Mathematical Modeling. SPE Journal, 2022, , 1-15.	3.1	0