Weiwei Ai

List of Publications by Year
in descending order

15 papers	80 citations	1684188 5 h-index	1720034 7 g-index
16 all docs	16 docs citations	16 times ranked	79 citing authors

#	Article	IF	Citations
1	Closing the Loop: Validation of Implantable Cardiac Devices With Computational Heart Models. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1579-1588.	6.3	17
2	A Parametric Computational Model of the Action Potential of Pacemaker Cells. IEEE Transactions on Biomedical Engineering, 2018, 65, 123-130.	4.2	15
3	Cardiac Electrical Modeling for Closed-Loop Validation of Implantable Devices. IEEE Transactions on Biomedical Engineering, 2020, 67, 536-544.	4.2	11
4	Towards the Emulation of the Cardiac Conduction System for Pacemaker Validation. ACM Transactions on Cyber-Physical Systems, 2018, 2, 1-26.	2.5	10
5	A novel approach for model-based design of gastric pacemakers. Computers in Biology and Medicine, 2020, 116, 103576.	7.0	9
6	An intracardiac electrogram model to bridge virtual hearts and implantable cardiac devices. , 2017, 2017, 1974-1977.		7
7	Requirements-Centric Closed-Loop Validation of Implantable Cardiac Devices. , 2016, , .		6
8	Compositional cyber-physical epidemiology of COVID-19. Scientific Reports, 2020, 10, 19537.	3.3	3
9	Development of closed-loop modelling framework for adaptive respiratory pacemakers. Computers in Biology and Medicine, 2022, 141, 105136.	7.0	2
10	A Quantitative Model of Human Jejunal Smooth Muscle Cell Electrophysiology. Physiome, 2021, , .	0.3	0
11	A Quantitative Model of Human Jejunal Smooth Muscle Cell Electrophysiology. Physiome, 2021, , .	0.3	0
12	A Quantitative Model of Human Jejunal Smooth Muscle Cell Electrophysiology. Physiome, 2021, , .	0.3	0
13	A Quantitative Model of Human Jejunal Smooth Muscle Cell Electrophysiology. Physiome, 2021, , .	0.3	0
14	Mathematical model of excitation-contraction in a uterine smooth muscle cell. Physiome, 2021, , .	0.3	0
15	Mathematical model of excitation-contraction in a uterine smooth muscle cell. Physiome, 2021, , .	0.3	0