Soroush Safaei

List of Publications by Year
in descending order

22 papers	462 citations	1040056 9 h-index	1058476 14 g-index
25 all docs	25 docs citations	25 times ranked	516 citing authors

#	Article	IF	Citations
1	Computational Modelling of Glucose Uptake in the Enterocyte. Physiome, 2022, , .	0.3	0
2	Computational Modelling of Glucose Uptake in the Enterocyte. Physiome, 2022, , .	0.3	0
3	Computational Modelling of Glucose Uptake in the Enterocyte. Physiome, 2022, , .	0.3	0
4	Adaptive constrained constructive optimisation for complex vascularisation processes. Scientific Reports, 2021, 11, 6180.	3.3	16
5	Hierarchical semantic composition of biosimulation models using bond graphs. PLoS Computational Biology, 2021, 17, e1008859.	3.2	15
6	Computational Modelling of Glucose Uptake by SGLT1 and Apical GLUT2 in the Enterocyte. Frontiers in Physiology, 2021, 12, 699152.	2.8	5
7	Modeling the hepatic arterial flow in living liver donor after left hepatectomy and postoperative boundary condition exploration. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3268.	2.1	7
8	The Boron & De Weer Model of Intracellular pH Regulation. Physiome, 2020, , .	0.3	0
9	Bond Graph Model of Cerebral Circulation: Toward Clinically Feasible Systemic Blood Flow Simulations. Physiome, 2020, , .	0.3	0
10	Bond Graph Model of Cerebral Circulation: Toward Clinically Feasible Systemic Blood Flow Simulations. Physiome, 2020, , .	0.3	0
11	The Boron & De Weer Model of Intracellular pH Regulation. Physiome, 2020, , .	0.3	0
12	Computational Modelling of Glucose Uptake in the Enterocyte. Physiome, 2020, , .	0.3	0
13	Anatomically based simulation of hepatic perfusion in the human liver. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3229.	2.1	16
14	Computational Modeling of Glucose Uptake in the Enterocyte. Frontiers in Physiology, 2019, 10, 380.	2.8	7
15	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	15
16	Meeting the multiscale challenge: representing physiology processes over ApiNATOMY circuits using bond graphs. Interface Focus, 2018, 8, 20170026.	3.0	19
17	Bond Graph Model of Cerebral Circulation: Toward Clinically Feasible Systemic Blood Flow Simulations. Frontiers in Physiology, 2018, 9, 148.	2.8	32
18	Next-generation, personalised, model-based critical care medicine: a state-of-the art review of in silico virtual patient models, methods, and cohorts, and how to validation them. BioMedical Engineering OnLine, 2018, 17, 24.	2.7	143

#	Article	IF	Citations
19	Roadmap for cardiovascular circulation model. Journal of Physiology, 2016, 594, 6909-6928.	2.9	33
20	Using CellML with OpenCMISS to Simulate Multi-Scale Physiology. Frontiers in Bioengineering and Biotechnology, 2015, 2, 79.	4.1	19
21	The Open Physiology workflow: modeling processes over physiology circuitboards of interoperable tissue units. Frontiers in Physiology, 2015, 6, 24.	2.8	9
22	OpenCMISS: A multi-physics & multi-scale computational infrastructure for the VPH/Physiome project. Progress in Biophysics and Molecular Biology, 2011, 107, 32-47.	2.9	123