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	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
2	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
3	Roadmap for cardiovascular circulation model. Journal of Physiology, 2016, 594, 6909-6928.	2.9	33
4	Bond Graph Model of Cerebral Circulation: Toward Clinically Feasible Systemic Blood Flow Simulations. Frontiers in Physiology, 2018, 9, 148.	2.8	32
5	Using CellML with OpenCMISS to Simulate Multi-Scale Physiology. Frontiers in Bioengineering and Biotechnology, 2015, 2, 79.	4.1	19
6	Meeting the multiscale challenge: representing physiology processes over ApiNATOMY circuits using bond graphs. Interface Focus, 2018, 8, 20170026.	3.0	19
7	Anatomically based simulation of hepatic perfusion in the human liver. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3229.	2.1	16
8	Adaptive constrained constructive optimisation for complex vascularisation processes. Scientific Reports, 2021, 11, 6180.	3.3	16
9	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
10	Hierarchical semantic composition of biosimulation models using bond graphs. PLoS Computational Biology, 2021, 17, e1008859.	3.2	15
11	The Open Physiology workflow: modeling processes over physiology circuitboards of interoperable tissue units. Frontiers in Physiology, 2015, 6, 24.	2.8	9
12	Computational Modeling of Glucose Uptake in the Enterocyte. Frontiers in Physiology, 2019, 10, 380.	2.8	7
13	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
14	Computational Modelling of Glucose Uptake by SGLT1 and Apical GLUT2 in the Enterocyte. Frontiers in Physiology, 2021, 12, 699152.	2.8	5
15	The Boron & De Weer Model of Intracellular pH Regulation. Physiome, 2020, , .	0.3	0
16	Bond Graph Model of Cerebral Circulation: Toward Clinically Feasible Systemic Blood Flow Simulations. Physiome, 2020, , .	0.3	0
17	Bond Graph Model of Cerebral Circulation: Toward Clinically Feasible Systemic Blood Flow Simulations. Physiome, 2020, , .	0.3	0
18	The Boron & De Weer Model of Intracellular pH Regulation. Physiome, 2020, , .	0.3	0

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19	Computational Modelling of Glucose Uptake in the Enterocyte. Physiome, 2020, , .	0.3	0
20	Computational Modelling of Glucose Uptake in the Enterocyte. Physiome, 2022, , .	0.3	0
21	Computational Modelling of Glucose Uptake in the Enterocyte. Physiome, 2022, , .	0.3	0
22	Computational Modelling of Glucose Uptake in the Enterocyte. Physiome, 2022, , .	0.3	0