Takao Shimayoshi

List of Publications by Year
in descending order

38	147	1684188 5	1281871 11
papers	citations	h-index	g-index

38	38	38	148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Our Design and Implementation of Multi-Factor Authentication Deployment for Microsoft 365 in Kyushu University. , 2022, , .		0
2	Challenge for Consolidation of Individual Email Services into a Cloud Service. , 2021, , .		0
3	Parameter Uncertainty Analysis of a Mathematical Ion Channel Model. , 2019, 2019, 1952-1955.		0
4	Migrate Legacy Email Services in Kyushu University to Exchange Online. , 2019, , .		4
5	Renovation of the Office 365 environment in Kyushu University: Integration of Account Management and Authentication. , 2019, , .		2
6	The Past, Current, and Future of our Email Services in Kyushu University. , 2018, , .		5
7	A Preliminary Computational Model for Hypoxic Acidosis in Cardiac Myocytes. , 2018, 2018, 4540-4543.		0
8	A computational model of myocardial microcirculation including interstitial flow. , 2017, 2017, 3668-3671.		1
9	Our Experience with Introducing Microsoft Office 365 in Kyushu University. , 2017, , .		3
10	Modeling analysis of inositol 1,4,5-trisphosphate receptor-mediated Ca²⁺mobilization under the control of glucagon-like peptide-1 in mouse pancreatic Î²-cells. American Journal of Physiology - Cell Physiology, 2016, 310, C337-C347.	4.6	9
11	Application of the Kalman Filter for Faster Strong Coupling of Cardiovascular Simulations. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1100-1106.	6.3	3
12	Quantitative Decomposition of Dynamics of Mathematical Cell Models: Method and Application to Ventricular Myocyte Models. PLoS ONE, 2015, 10, e0124970.	2.5	4
13	Nonlinear multiscale circulation model reproducable linear end-systolic pressure-volume relationship. , 2014, 2014, 6778-81.		1
14	PO148 MODELING ANALYSIS OF INOSITOL 1,4,5-TRISPHOSPHATE RECEPTOR (IP3R)-MEDIATED CA2+ MOBILIZATION FROM INTRACELLULAR CA2+ STORES IN PANCREATIC BETA CELLS. Diabetes Research and Clinical Practice, 2014, 106, S122.	2.8	0
15	Theoretical analysis on the relationship between left ventricular energetic efficiency and acute infarct size. IET Systems Biology, 2013, 7, 74-78.	1.5	1
16	Code generator for distributed parameter biological model simulation with PDE numerical schemes. , 2013, 2013, 1494-7.		1
17	A study on the relationship between electrical transmural heterogeneity and ventricular energetics. , 2013, 2013, 6854-7.		0
18	A program code generator for multiphysics biological simulation using markup languages. , 2012, 2012, 6624-7.		1

#	Article	IF	Citations
19	A coupling method for a cardiovascular simulation model which includes the Kalman Filter. , 2012, 2012, 1222-5.		1
20	A CellML simulation compiler and code generator using ODE solving schemes. Source Code for Biology and Medicine, 2012, 7, 11.	1.7	4
21	A study on prediction methods for a cardiovascular strong-coupling simulation. , 2011, 2011, 137-40.		3
22	A general CellML simulation code generator using ODE solving scheme description. , 2011, 2011, 940-4.		1
23	Time-dependent changes in membrane excitability during glucose-induced bursting activity in pancreatic Î² cells. Journal of General Physiology, 2011, 138, 39-47.	1.9	27
24	Evaluation of cardiac oxygen consumption under hypoxia with tissue model integrating microcirculation model and cell model. , 2009, 2009, 3885-8.		1
25	A method for analysis of simultaneous equations in cell models. , 2009, 2009, 2343-6.		0
26	A Novel Method to Quantify Contribution of Channels and Transporters toÂMembrane Potential Dynamics. Biophysical Journal, 2009, 97, 3086-3094.	0.5	25
27	Estimating Contribution Of Individual Ionic Components To The Cardiac Pacemaker Potential. Biophysical Journal, 2009, 96, 259a.	0.5	0
28	An approximation model of myocardial crossbridge for weak coupling calculation of left ventricle model and circulation model. , 2008, 2008, 957-60.		4
29	Infant Circulation Model based on the Electrophysiological Cell Model. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1010-3.	0.5	0
30	A Generic Representation Format of Physiological Experimental Protocols for Computer Simulation using Ontology. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 382-5.	0.5	3
31	The Cross-Bridge Dynamics during Ventricular Contraction Predicted by Coupling the Cardiac Cell Model with a Circulation Model. Journal of Physiological Sciences, 2007, 57, 275-285.	2.1	15
32	DynaBioS: A Platform for Cell/Biodynamics Simulators. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 1928-1936.	0.2	3
33	A Model for Simulation of Infant Cardiovascular Response to Orthostatic Stress. Lecture Notes in Computer Science, 2007, , 190-199.	1.3	0
34	Mechanism of the Frankâ€“Starling lawâ€”A simulation study with a novel cardiac muscle contraction model that includes titin and troponin I. Journal of Molecular and Cellular Cardiology, 2006, 41, 522-536.	1.9	20
35	A Method to Support Cell Physiological Modelling Using Description Language and Ontology. IPSJ Digital Courier, 2006, 2, 726-735.	0.3	5
36	Reproducing Nonlinear Force Velocity Relation of Myocardial Tissue by a Nonlinear Parallel Elastic Component. , 2006, 2006, 612-5.		0

#	Article	IF	Citations
37	Computer Support for Physiological Cell Modelling using an Ontology on Cell Physiology. , 2006, 2006, 4171-4.		0
38	Stress Distribution in a Rotationally Symmetric and a Measurement Based Left Ventricular Shape Model. , 2006, 2006, 624-7.		0