

BarÄ±Å CansÄ±z

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6017095/publications.pdf>

Version: 2024-02-01

11
papers

98
citations

1478505

6
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

75
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational cardiology: A modified Hill model to describe the electro-visco-elasticity of the myocardium. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 315, 434-466.	6.6	29
2	A numerical study on the effects of spatial and temporal discretization in cardiac electrophysiology. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021, 37, e3443.	2.1	13
3	Towards predictive computer simulations in cardiology: Finite element analysis of personalized heart models. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2018, 98, 2155-2176.	1.6	11
4	A three-scale compressible microsphere model for hyperelastic materials. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 116, 412-433.	2.8	11
5	Computational cardiology: the bidomain based modified Hill model incorporating viscous effects for cardiac defibrillation. <i>Computational Mechanics</i> , 2018, 62, 253-271.	4.0	10
6	Fully Coupled Cardiac Electromechanics with Orthotropic Viscoelastic Effects. <i>Procedia IUTAM</i> , 2015, 12, 124-133.	1.2	7
7	A simple phenomenological approach for myocardial contraction: formulation, parameter sensitivity study and applications in organ level simulations. <i>Mechanics of Soft Materials</i> , 2021, 3, 1.	0.9	5
8	Balancing conduction velocity error in cardiac electrophysiology using a modified quadrature approach. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2022, 38, e3589.	2.1	5
9	Computational modelling of mechano-electric feedback and its arrhythmogenic effects in human ventricular models. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2022, 25, 1767-1783.	1.6	4
10	A comparative study of fully implicit staggered and monolithic solution methods. Part I: Coupled bidomain equations of cardiac electrophysiology. <i>Journal of Computational and Applied Mathematics</i> , 2022, 407, 114021.	2.0	3
11	Computational modeling of cardiac tissue with strongly coupled electromechanics and orthotropic viscoelastic effects. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2014, 14, 119-120.	0.2	0