

Ehsan Mirzakhali

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

169
citations

1684188

5
h-index

1372567

10
g-index

16
all docs

16
docs citations

16
times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Sensory Testing of Spinal Cord and Dorsal Root Ganglion Stimulation in Chronic Pain Patients. <i>Neuromodulation</i> , 2021, 24, 672-684.	0.8	5
2	Closed-loop Optimization of Retinal Ganglion Cell Responses to Epiretinal Stimulation: A Computational Study. , 2021, , .		6
3	Real-Time Optimization of Retinal Ganglion Cell Spatial Activity in Response to Epiretinal Stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 2733-2741.	4.9	5
4	Biophysics of Temporal Interference Stimulation. <i>Cell Systems</i> , 2020, 11, 557-572.e5.	6.2	78
5	Probabilistic Analysis of Bifurcations in Stochastic Nonlinear Dynamical Systems. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019, 14, .	1.2	5
6	A mathematical and computational model of the calcium dynamics in <i>Caenorhabditis elegans</i> ASH sensory neuron. <i>PLoS ONE</i> , 2018, 13, e0201302.	2.5	17
7	Reduced-order models for the dynamics of superparamagnetic nanoparticles interacting with cargoes transported by kinesins. <i>Nonlinear Dynamics</i> , 2017, 90, 425-442.	5.2	4
8	Synaptic Impairment and Robustness of Excitatory Neuronal Networks with Different Topologies. <i>Frontiers in Neural Circuits</i> , 2017, 11, 38.	2.8	6
9	Transport by a Kinesin in the Presence of Magnetic Nanoparticles. <i>Biophysical Journal</i> , 2015, 108, 137a.	0.5	1
10	High-Order Solution of Viscoelastic Fluids Using the Discontinuous Galerkin Method. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2015, 137, .	1.5	13
11	Lattice Boltzmann Simulation of Electrokinetic Valving in a Pressure Driven Micro-Junction. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2012, 6, 403-411.	3.1	0
12	Heat Transfer Enhancement Across a Pair of Confined Cylinders Using Improved Particle Swarm Optimization Algorithm. , 2012, , .		3
13	A Newton-Krylov Algorithm for High-Order Finite Element Computation of Heat Conduction Problems. , 2012, , .		0
14	Non-Newtonian power-law fluid flow and heat transfer computation across a pair of confined elliptical cylinders in the line array. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2012, 171-172, 67-82.	2.4	25