Ehsan Mirzakhalili

List of Publications by Year
in descending order

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