

Peter Balogh

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

380
citations

1039406

9
h-index

1281420

11
g-index

11
all docs

11
docs citations

11
times ranked

373
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion of a capsule in a curved tube. <i>Journal of Fluid Mechanics</i> , 2021, 907, .	1.4	10
2	Computational models of cancer cell transport through the microcirculation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2021, 20, 1209-1230.	1.4	5
3	A data-driven approach to modeling cancer cell mechanics during microcirculatory transport. <i>Scientific Reports</i> , 2021, 11, 15232.	1.6	13
4	Investigating the Interaction Between Circulating Tumor Cells and Local Hydrodynamics via Experiment and Simulations. <i>Cellular and Molecular Bioengineering</i> , 2020, 13, 527-540.	1.0	9
5	Multi-GPU immersed boundary method hemodynamics simulations. <i>Journal of Computational Science</i> , 2020, 44, 101153.	1.5	29
6	Three-dimensional distribution of wall shear stress and its gradient in red cell-resolved computational modeling of blood flow in in vivo-like microvascular networks. <i>Physiological Reports</i> , 2019, 7, e14067.	0.7	32
7	The cell-free layer in simulated microvascular networks. <i>Journal of Fluid Mechanics</i> , 2019, 864, 768-806.	1.4	26
8	Analysis of red blood cell partitioning at bifurcations in simulated microvascular networks. <i>Physics of Fluids</i> , 2018, 30, .	1.6	71
9	A computational approach to modeling cellular-scale blood flow in complex geometry. <i>Journal of Computational Physics</i> , 2017, 334, 280-307.	1.9	76
10	Direct Numerical Simulation of Cellular-Scale Blood Flow in 3D Microvascular Networks. <i>Biophysical Journal</i> , 2017, 113, 2815-2826.	0.2	65
11	Flow of Red Blood Cells in Stenosed Microvessels. <i>Scientific Reports</i> , 2016, 6, 28194.	1.6	44