

Tamás Jászsa

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

199
citations

1162367

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1125271

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20
all docs

20
docs citations

20
times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Way Coupling Between 1D Blood Flow and 3D Tissue Perfusion Models. Lecture Notes in Computer Science, 2021, , 670-683.	1.0	1
2	Uncertainty Quantification of Coupled 1D Arterial Blood Flow and 3D Tissue Perfusion Models Using the INSIST Framework. Lecture Notes in Computer Science, 2021, , 691-697.	1.0	1
3	Modelling the impact of clot fragmentation on the microcirculation after thrombectomy. PLoS Computational Biology, 2021, 17, e1008515.	1.5	15
4	Modelling the leptomenigeal collateral circulation during acute ischaemic stroke. Medical Engineering and Physics, 2021, 91, 1-11.	0.8	10
5	On the Sensitivity Analysis of Porous Finite Element Models for Cerebral Perfusion Estimation. Annals of Biomedical Engineering, 2021, 49, 3647-3665.	1.3	16
6	In silico trials for treatment of acute ischemic stroke: Design and implementation. Computers in Biology and Medicine, 2021, 137, 104802.	3.9	13
7	Modelling the effects of cerebral microthrombi on tissue oxygenation and cell death. Journal of Biomechanics, 2021, 127, 110705.	0.9	11
8	Coupling one-dimensional arterial blood flow to three-dimensional tissue perfusion models for <i>in silico</i> trials of acute ischaemic stroke. Interface Focus, 2021, 11, 20190125.	1.5	39
9	A porous circulation model of the human brain for <i>in silico</i> clinical trials in ischaemic stroke. Interface Focus, 2021, 11, 20190127.	1.5	35
10	On the friction drag reduction mechanism of streamwise wall fluctuations. International Journal of Heat and Fluid Flow, 2020, 86, 108686.	1.1	4
11	Analytical solutions of incompressible laminar channel and pipe flows driven by in-plane wall oscillations. Physics of Fluids, 2019, 31, 083605.	1.6	8
12	Active and passive in-plane wall fluctuations in turbulent channel flows. Journal of Fluid Mechanics, 2019, 866, 689-720.	1.4	22
13	Performance Evaluation of a Two-Dimensional Lattice Boltzmann Solver Using CUDA and PGAS UPC Based Parallelisation. ACM Transactions on Mathematical Software, 2018, 44, 1-22.	1.6	4
14	VALIDATION AND VERIFICATION OF A 2D LATTICE BOLTZMANN SOLVER FOR INCOMPRESSIBLE FLUID FLOW. , 2016, , .		2
15	Boundary conditions for flow simulations of abdominal aortic aneurysms. International Journal of Heat and Fluid Flow, 2014, 50, 342-351.	1.1	13