TamÃ¡s I JÃ³zsa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4828716/publications.pdf

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15	199	1162367 8	1125271 13
papers	citations	h-index	g-index

20	20	20	140
all docs	docs citations	times ranked	citing authors

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