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	1163117	1125743
papers	citations	8 h-index	13 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.	3.0	39
2	A porous circulation model of the human brain for in silico clinical trials in ischaemic stroke. Interface Focus, 2021, 11, 20190127.	3.0	35
3	Active and passive in-plane wall fluctuations in turbulent channel flows. Journal of Fluid Mechanics, 2019, 866, 689-720.	3.4	22
4	On the Sensitivity Analysis of Porous Finite Element Models for Cerebral Perfusion Estimation. Annals of Biomedical Engineering, 2021, 49, 3647-3665.	2.5	16
5	Modelling the impact of clot fragmentation on the microcirculation after thrombectomy. PLoS Computational Biology, 2021, 17, e1008515.	3.2	15
6	Boundary conditions for flow simulations of abdominal aortic aneurysms. International Journal of Heat and Fluid Flow, 2014, 50, 342-351.	2.4	13
7	In silico trials for treatment of acute ischemic stroke: Design and implementation. Computers in Biology and Medicine, 2021, 137, 104802.	7.0	13
8	Modelling the effects of cerebral microthrombi on tissue oxygenation and cell death. Journal of Biomechanics, 2021, 127, 110705.	2.1	11
9	Modelling the leptomeningeal collateral circulation during acute ischaemic stroke. Medical Engineering and Physics, 2021, 91, 1-11.	1.7	10
10	Analytical solutions of incompressible laminar channel and pipe flows driven by in-plane wall oscillations. Physics of Fluids, 2019, 31, 083605.	4.0	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.	2.9	4
12	On the friction drag reduction mechanism of streamwise wall fluctuations. International Journal of Heat and Fluid Flow, 2020, 86, 108686.	2.4	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.	1.3	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.	1.3	1