# TamÃ¡s I JÃ³zsa

## List of Publications by Year
## in descending order

| 15 | 199 | 8 | 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |
| 20 | 20 | 20 | 140 |
| all docs | docs citations | times ranked | 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. | 1.3 | 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. | 1.3 | 1 |
| 3 | Modelling the impact of clot fragmentation on the microcirculation after thrombectomy. PLoS Computational Biology, 2021, 17, e1008515. | 3.2 | 15 |
| 4 | Modelling the leptomeningeal collateral circulation during acute ischaemic stroke. Medical Engineering and Physics, 2021, 91, 1-11. | 1.7 | 10 |
| 5 | On the Sensitivity Analysis of Porous Finite Element Models for Cerebral Perfusion Estimation. Annals of Biomedical Engineering, 2021, 49, 3647-3665. | 2.5 | 16 |
| 6 | In silico trials for treatment of acute ischemic stroke: Design and implementation. Computers in Biology and Medicine, 2021, 137, 104802. | 7.0 | 13 |
| 7 | Modelling the effects of cerebral microthrombi on tissue oxygenation and cell death. Journal of Biomechanics, 2021, 127, 110705. | 2.1 | 11 |
| 8 | 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 |
| 9 | A porous circulation model of the human brain for *in silico* clinical trials in ischaemic stroke. Interface Focus, 2021, 11, 20190127. | 3.0 | 35 |
| 10 | On the friction drag reduction mechanism of streamwise wall fluctuations. International Journal of Heat and Fluid Flow, 2020, 86, 108686. | 2.4 | 4 |
| 11 | Analytical solutions of incompressible laminar channel and pipe flows driven by in-plane wall oscillations. Physics of Fluids, 2019, 31, 083605. | 4.0 | 8 |
| 12 | Active and passive in-plane wall fluctuations in turbulent channel flows. Journal of Fluid Mechanics, 2019, 866, 689-720. | 3.4 | 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. | 2.9 | 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. | 2.4 | 13 |