

Martin Schönherr

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

760
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphics processing unit accelerated lattice Boltzmann method simulations of dilute gravity currents. <i>Physics of Fluids</i> , 2022, 34, .	4.0	2
2	Under-resolved and large eddy simulations of a decaying Taylorâ€“Green vortex with the cumulant lattice Boltzmann method. <i>Theoretical and Computational Fluid Dynamics</i> , 2021, 35, 169-208.	2.2	18
3	Towards real-time simulation of turbulent air flow over a resolved urban canopy using the cumulant lattice Boltzmann method on a GPGPU. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 189, 151-162.	3.9	48
4	Parametrization of the cumulant lattice Boltzmann method for fourth order accurate diffusion part II: Application to flow around a sphere at drag crisis. <i>Journal of Computational Physics</i> , 2017, 348, 889-898.	3.8	67
5	Parametrization of the cumulant lattice Boltzmann method for fourth order accurate diffusion part I: Derivation and validation. <i>Journal of Computational Physics</i> , 2017, 348, 862-888.	3.8	88
6	Esoteric Twist: An Efficient in-Place Streaming Algorithmus for the Lattice Boltzmann Method on Massively Parallel Hardware. <i>Computation</i> , 2017, 5, 19.	2.0	38
7	Intercomparison of 3D pore-scale flow and solute transport simulation methods. <i>Advances in Water Resources</i> , 2016, 95, 176-189.	3.8	105
8	The cumulant lattice Boltzmann equation in three dimensions: Theory and validation. <i>Computers and Mathematics With Applications</i> , 2015, 70, 507-547.	2.7	297
9	Numerische Simulation von GebÃudebelÃ¼ftung mit einem Lattice Boltzmann-LES-Modell. <i>Bauphysik</i> , 2013, 35, 2-7.	0.5	2
10	Multi-thread implementations of the lattice Boltzmann method on non-uniform grids for CPUs and GPUs. <i>Computers and Mathematics With Applications</i> , 2011, 61, 3730-3743.	2.7	95