

Christophe Coreixas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

334
citations

11
h-index

15
g-index

15
ext. papers

483
ext. citations

3.1
avg, IF

4.39
L-index

#	Paper	IF	Citations
14	Cross-platform programming model for many-core lattice Boltzmann simulations. <i>PLoS ONE</i> , 2021 , 16, e0250306	3.7	4
13	Palabos: Parallel Lattice Boltzmann Solver. <i>Computers and Mathematics With Applications</i> , 2021 , 81, 334-350		68
12	PalaCell2D: A framework for detailed tissue morphogenesis. <i>Journal of Computational Science</i> , 2021 , 53, 101353	3.4	0
11	Linear stability and isotropy properties of athermal regularized lattice Boltzmann methods. <i>Physical Review E</i> , 2020 , 102, 053305	2.4	11
10	Multiphysics flow simulations using D3Q19 lattice Boltzmann methods based on central moments. <i>Physics of Fluids</i> , 2020 , 32, 117101	4.4	16
9	Compressible lattice Boltzmann methods with adaptive velocity stencils: An interpolation-free formulation. <i>Physics of Fluids</i> , 2020 , 32, 116102	4.4	11
8	Impact of collision models on the physical properties and the stability of lattice Boltzmann methods. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190397	3	15
7	Efficient supersonic flow simulations using lattice Boltzmann methods based on numerical equilibria. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190559	3	18
6	Comprehensive comparison of collision models in the lattice Boltzmann framework: Theoretical investigations. <i>Physical Review E</i> , 2019 , 100, 033305	2.4	53
5	Stability of the lattice kinetic scheme and choice of the free relaxation parameter. <i>Physical Review E</i> , 2019 , 99, 063305	2.4	22
4	Universal formulation of central-moments-based lattice Boltzmann method with external forcing for the simulation of multiphysics phenomena. <i>Physics of Fluids</i> , 2019 , 31, 117102	4.4	19
3	Extensive analysis of the lattice Boltzmann method on shifted stencils. <i>Physical Review E</i> , 2019 , 100, 063301	2.4	13
2	Recursive regularization step for high-order lattice Boltzmann methods. <i>Physical Review E</i> , 2017 , 96, 033306	2.4	75
1	Simulations of LAGOON landing-gear noise using Lattice Boltzmann Solver 2015 ,		9