

JÃ©rÃ©me Jacob

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

574
citations

687363

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888059

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17
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid recursive regularized thermal lattice Boltzmann model for high subsonic compressible flows. <i>Journal of Computational Physics</i> , 2019, 394, 82-99.	3.8	94
2	A new hybrid recursive regularised Bhatnagar-Gross-Krook collision model for Lattice Boltzmann method-based large eddy simulation. <i>Journal of Turbulence</i> , 2018, 19, 1051-1076.	1.4	87
3	An explicit power-law-based wall model for lattice Boltzmann method-Reynolds-averaged numerical simulations of the flow around airfoils. <i>Physics of Fluids</i> , 2018, 30, .	4.0	65
4	Wind comfort assessment by means of large eddy simulation with lattice Boltzmann method in full scale city area. <i>Building and Environment</i> , 2018, 139, 110-124.	6.9	58
5	An efficient lattice Boltzmann method for compressible aerodynamics on D3Q19 lattice. <i>Journal of Computational Physics</i> , 2020, 418, 109570.	3.8	50
6	Lattice-Boltzmann Large-Eddy Simulation of pollutant dispersion in street canyons including tree planting effects. <i>Atmospheric Environment</i> , 2018, 195, 89-103.	4.1	33
7	Solid wall and open boundary conditions in hybrid recursive regularized lattice Boltzmann method for compressible flows. <i>Physics of Fluids</i> , 2019, 31, .	4.0	32
8	Lattice-Boltzmann large-eddy simulation of pollutant dispersion in complex urban environment with dense gas effect: Model evaluation and flow analysis. <i>Building and Environment</i> , 2019, 148, 634-652.	6.9	29
9	Hybrid recursive regularized lattice Boltzmann simulation of humid air with application to meteorological flows. <i>Physical Review E</i> , 2019, 100, 023304.	2.1	26
10	A New Explicit Algebraic Wall Model for LES of Turbulent Flows Under Adverse Pressure Gradient. <i>Flow, Turbulence and Combustion</i> , 2021, 106, 1-35.	2.6	18
11	Lattice-Boltzmann-based large-eddy simulation of high-rise building aerodynamics with inlet turbulence reconstruction. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 212, 104560.	3.9	18
12	Grid refinement in the three-dimensional hybrid recursive regularized lattice Boltzmann method for compressible aerodynamics. <i>Physical Review E</i> , 2020, 101, 063302.	2.1	16
13	A multidisciplinary model coupling Lattice-Boltzmann-based CFD and a Social Force Model for the simulation of pollutant dispersion in evacuation situations. <i>Building and Environment</i> , 2021, 205, 108212.	6.9	14
14	ProLB: A Lattice Boltzmann Solver of Large-Eddy Simulation for Atmospheric Boundary Layer Flows. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002107.	3.8	13
15	Hybrid lattice Boltzmann model for atmospheric flows under anelastic approximation. <i>Physics of Fluids</i> , 2021, 33, .	4.0	9
16	Lattice Boltzmann Method-Based Simulations of Pollutant Dispersion and Urban Physics. <i>Atmosphere</i> , 2021, 12, 833.	2.3	6
17	Application of immersed boundary based turbulence wall modeling to the Ahmed body aerodynamics. <i>Physics of Fluids</i> , 2022, 34, .	4.0	6