JÃ©rÃ´me Jacob

List of Publications by Year
in descending order

17 **papers**	574 **citations**	687363 13 **h-index**
888059 17 **g-index**		

17 **all docs**	17 **docs citations**	17 **times ranked**
247 **citing authors**		

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