Qibing Li

List of Publications by Year in descending order

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37 papers	585 citations	759233 12 h-index	610901 24 g-index
38 all docs	38 docs citations	38 times ranked	251 citing authors

#	Article	IF	Citations
1	A high-order gas-kinetic Navierâ€“Stokes flow solver. Journal of Computational Physics, 2010, 229, 6715-6731.	3.8	86
2	An efficient and accurate two-stage fourth-order gas-kinetic scheme for the Euler and Navierâ€“Stokes equations. Journal of Computational Physics, 2016, 326, 197-221.	3.8	84
3	Numerical simulation of compressible mixing layers. International Journal of Heat and Fluid Flow, 2006, 27, 895-901.	2.4	58
4	Application of Gas-Kinetic Scheme with Kinetic Boundary Conditions in Hypersonic Flow. AIAA Journal, 2005, 43, 2170-2176.	2.6	44
5	Comparison of the generalized Riemann solver and the gas-kinetic scheme for inviscid compressible flow simulations. Journal of Computational Physics, 2011, 230, 5080-5099.	3.8	43
6	Numerical simulation of high-speed planar mixing layer. Computers and Fluids, 2003, 32, 1357-1377.	2.5	37
7	A compressible Navierâ€“Stokes flow solver with scalar transport. Journal of Computational Physics, 2005, 204, 692-714.	3.8	34
8	Unified gas-kinetic scheme for diatomic molecular flow with translational, rotational, and vibrational modes. Journal of Computational Physics, 2017, 350, 237-259.	3.8	32
9	Gas kinetic scheme for turbulence simulation. Aerospace Science and Technology, 2018, 78, 214-227.	4.8	22
10	A third-order gas-kinetic CPR method for the Euler and Navierâ€“Stokes equations on triangular meshes. Journal of Computational Physics, 2018, 363, 329-353.	3.8	18
11	On the multidimensional gas-kinetic BGK scheme. Journal of Computational Physics, 2006, 220, 532-548.	3.8	16
12	Large-scale vortices in high-speed mixing layers. Physics of Fluids, 2003, 15, 3240.	4.0	12
13	Applications of implicit BGK scheme in near-continuum flow. International Journal of Computational Fluid Dynamics, 2006, 20, 453-461.	1.2	11
14	Time-implicit gas-kinetic scheme. Computers and Fluids, 2017, 144, 44-59.	2.5	11
15	Airbrake controls of pitching moment and pressure fluctuation for an oblique tail fighter model. Aerospace Science and Technology, 2018, 81, 294-305.	4.8	10
16	On the orbital motion of a rotating inner cylinder in annular flow. International Journal for Numerical Methods in Fluids, 2007, 54, 155-173.	1.6	9
17	A gas-kinetic BGK scheme for gasâ€“water flow. Computers and Mathematics With Applications, 2011, 61, 3639-3652.	2.7	9
18	A unified gas-kinetic scheme for axisymmetric flow in all Knudsen number regimes. Journal of Computational Physics, 2018, 366, 144-169.	3.8	7

#	Article	IF	Citations
19	A third-order subcell finite volume gas-kinetic scheme for the Euler and Navier-Stokes equations on triangular meshes. Journal of Computational Physics, 2021, 436, 110245.	3.8	6
20	A high-resolution gas-kinetic scheme with minimized dispersion and controllable dissipation reconstruction. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	5
21	Numerical studies of reverse flows controlled by undulating leading edge. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	5
22	é«˜ç²¾åº¦æ°”ä½“åŠ¨çƒ†å-¦æ¼å¼ä¸Žæ¹æµæ¨¡æ‹Ÿ. Scientia Sinica: Physica, Mechanica Et Astronomica, 2014, 44, 278-284.	0.4	5
23	An Improved Gas-Kinetic Scheme for Multimaterial Flows. Communications in Computational Physics, 2020, 27, 145-166.	1.7	5
24	The high performance parallel algorithm for Unified Gas-Kinetic Scheme. AIP Conference Proceedings, 2016, , .	0.4	3
25	Thermal non-equilibrium effect of small-scale structures in compressible turbulence. Modern Physics Letters B, 2018, 32, 1840013.	1.9	3
26	Two-stage fourth-order gas kinetic solver-based compact subcell finite volume method for compressible flows on triangular meshes. Physics of Fluids, 2021, 33, .	4.0	3
27	Numerical study of the slip line instabilities in shock-wavywall reflection. Scientia Sinica: Physica, Mechanica Et Astronomica, 2020, 50, 104709.	0.4	2
28	A two-stage fourth-order gas-kinetic CPR method for the Navier-Stokes equations on triangular meshes. Journal of Computational Physics, 2021, 451, 110830.	3.8	2
29	Application of Gas-Kinetic BGK Scheme in Three-Dimensional Flow. , 2011, , .		1
30	Gas-Kinetic Scheme for Multiscale Turbulence Simulation. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2018, , 135-142.	0.3	1
31	On the Internal Energy Relaxation Model For Nonequilibrium Flow. , 2010, , .		0
32	A High-Order Gas-Kinetic Navier-Stokes Flow Solver. , 2010, , .		0
33	Application of unified gas-kinetic scheme for hypersonic non-equilibrium flow. , 2017, , .		0
34	A High-Order Gas-Kinetic CPR Method for Navier-Stokes Equations. , 2018, , .		0
35	Numerical Simulation of Compressible Mixing Layers. , 2005, , 227-235.		0
36	A High-Order Accurate Gas-Kinetic BGK Scheme. , 2009, , 515-520.		0

#	Article	IF	Citations
37	Modeling of turbulent kinetic equation in converging-reflecting spherical shock-turbulence interaction. Scientia Sinica: Physica, Mechanica Et Astronomica, 2020, 50, 104708.	0.4	0