

Chang Shu

List of Publications by Year in descending order

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377
papers

16,902
citations

18436

62
h-index

24179

110
g-index

383
all docs

383
docs citations

383
times ranked

6821
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient multilayer RBF neural network and its application to regression problems. <i>Neural Computing and Applications</i> , 2022, 34, 4133-4150.	3.2	24
2	On the evolution of fuel droplet evaporation zone and its interaction with flame front in ignition of spray flames. <i>Combustion Theory and Modelling</i> , 2022, 26, 1131-1158.	1.0	1
3	An implicit lattice Boltzmann flux solver for simulation of compressible flows. <i>Computers and Mathematics With Applications</i> , 2022, 107, 82-94.	1.4	6
4	Hydrodynamic performance of an unconstrained flapping swimmer with flexible fin: A numerical study. <i>Physics of Fluids</i> , 2022, 34, .	1.6	17
5	10.1063/5.0077312.1. , 2022, , .		0
6	Analyses and reconstruction of the lattice Boltzmann flux solver. <i>Journal of Computational Physics</i> , 2022, 453, 110923.	1.9	19
7	An efficient discrete velocity method with inner iteration for steady flows in all flow regimes. <i>Physics of Fluids</i> , 2022, 34, .	1.6	10
8	Development of explicit formulations of G45-based gas kinetic scheme for simulation of continuum and rarefied flows. <i>Physical Review E</i> , 2022, 105, 045302.	0.8	5
9	The effects of caudal fin's bending stiffness on a self-propelled carangiform swimmer. <i>Physics of Fluids</i> , 2022, 34, .	1.6	12
10	Isotherm-evolution-based interface tracking algorithm for modelling temperature-driven solid-liquid phase-change in multiphase flows. <i>International Journal of Thermal Sciences</i> , 2022, 177, 107541.	2.6	5
11	An implicit high-order radial basis function-based differential quadrature-finite volume method on unstructured grids to simulate incompressible flows with heat transfer. <i>Journal of Computational Physics</i> , 2022, 467, 111461.	1.9	8
12	Parametric reduced order modeling-based discrete velocity method for simulation of steady rarefied flows. <i>Journal of Computational Physics</i> , 2021, 430, 110037.	1.9	4
13	High-order gas kinetic flux solver for simulation of two dimensional incompressible flows. <i>Physics of Fluids</i> , 2021, 33, 017107.	1.6	8
14	A simplified lattice Boltzmann flux solver for multiphase flows with large density ratio. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 1895-1912.	0.9	8
15	Phase-field-simplified lattice Boltzmann method for modeling solid-liquid phase change. <i>Physical Review E</i> , 2021, 103, 023308.	0.8	7
16	Explicit formulations of G13-based gas kinetic flux solver (G13-GKFS) for simulation of continuum and rarefied flows. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10
17	An improved multiphase lattice Boltzmann flux solver for the simulation of incompressible flow with large density ratio and complex interface. <i>Physics of Fluids</i> , 2021, 33, 033306.	1.6	26
18	A high-order implicit least square-based finite difference-finite volume method for incompressible flows on unstructured grids. <i>Physics of Fluids</i> , 2021, 33, .	1.6	6

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19	An efficient high-order least square-based finite difference-finite volume method for solution of compressible Navier-Stokes equations on unstructured grids. <i>Computers and Fluids</i> , 2021, 222, 104926.	1.3	5
20	A novel gas kinetic flux solver for simulation of continuum and slip flows. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 2863-2888.	0.9	12
21	Gas kinetic flux solver based high-order finite-volume method for simulation of two-dimensional compressible flows. <i>Physical Review E</i> , 2021, 104, 015305.	0.8	6
22	Deterministic and stochastic bifurcations in two-dimensional electroconvective flows. <i>Journal of Fluid Mechanics</i> , 2021, 922, .	1.4	10
23	A unified immersed boundary-lattice Boltzmann flux solver (UIB-LBFS) for simulation of flows past porous bodies. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10
24	Ternary phase-field simplified multiphase lattice Boltzmann method and its application to compound droplet dynamics on solid surface in shear flow. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	8
25	Coupling improved discrete velocity method and G13-based gas kinetic flux solver: A hybrid method and its application for non-equilibrium flows. <i>Physics of Fluids</i> , 2021, 33, .	1.6	9
26	Efficient boundary condition-enforced immersed boundary method for incompressible flows with moving boundaries. <i>Journal of Computational Physics</i> , 2021, 441, 110425.	1.9	24
27	Mixed convection between rotating sphere and concentric cubical enclosure. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10
28	Efficient high-order radial basis-function-based differential quadratureâ€“finite volume method for incompressible flows on unstructured grids. <i>Physical Review E</i> , 2021, 104, 045312.	0.8	8
29	Variant of gas kinetic flux solver for flows beyond Navier-Stokes level. <i>Physical Review E</i> , 2021, 104, 055305.	0.8	6
30	Multilayer perceptron neural network activated by adaptive Gaussian radial basis function and its application to predict lid-driven cavity flow. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2021, 37, 1757-1772.	1.5	6
31	Grad's distribution functions-based gas kinetic scheme for simulation of flows beyond Navierâ€“Stokes level. <i>Physics of Fluids</i> , 2021, 33, .	1.6	8
32	A diffuseâ€“interface immersed boundary method for simulation of compressible viscous flows with stationary and moving boundaries. <i>International Journal for Numerical Methods in Fluids</i> , 2020, 92, 149-168.	0.9	4
33	Simplified lattice Boltzmann method for nonâ€“Newtonian powerâ€“law fluid flows. <i>International Journal for Numerical Methods in Fluids</i> , 2020, 92, 38-54.	0.9	31
34	A high order least square-based finite difference-finite volume method with lattice Boltzmann flux solver for simulation of incompressible flows on unstructured grids. <i>Journal of Computational Physics</i> , 2020, 401, 109019.	1.9	24
35	Development of multi-component generalized sphere function based gas-kinetic flux solver for simulation of compressible viscous reacting flows. <i>Computers and Fluids</i> , 2020, 197, 104382.	1.3	5
36	A mass-conserved fractional step axisymmetric lattice Boltzmann flux solver for incompressible multiphase flows with large density ratio. <i>Physics of Fluids</i> , 2020, 32, .	1.6	20

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37	Papers selected from the 8th International Symposium on Physics of Fluids, Xi'an, China, 2019. <i>Physics of Fluids</i> , 2020, 32, 100401.	1.6	0
38	Propagation of heterogeneous and homogeneous planar flames in fuel droplet mists. <i>International Journal of Multiphase Flow</i> , 2020, 133, 103452.	1.6	5
39	Three-dimensional high-order least square-based finite difference-finite volume method on unstructured grids. <i>Physics of Fluids</i> , 2020, 32, .	1.6	22
40	Three-dimensional lattice Boltzmann flux solver for simulation of fluid-solid conjugate heat transfer problems with curved boundary. <i>Physical Review E</i> , 2020, 101, 053309.	0.8	6
41	A diffuse interface IBM for compressible flows with Neumann boundary condition. <i>International Journal of Modern Physics B</i> , 2020, 34, 2040070.	1.0	0
42	Reduced order modeling-based discrete unified gas kinetic scheme for rarefied gas flows. <i>Physics of Fluids</i> , 2020, 32, 067108.	1.6	19
43	A hybrid lattice Boltzmann flux solver for integrated hypersonic fluid-thermal-structural analysis. <i>Chinese Journal of Aeronautics</i> , 2020, 33, 2295-2312.	2.8	6
44	Efficient Aerodynamic Shape Optimization with Deep-Learning-Based Geometric Filtering. <i>AIAA Journal</i> , 2020, 58, 4243-4259.	1.5	90
45	On numerical diffusion of simplified lattice Boltzmann method. <i>International Journal for Numerical Methods in Fluids</i> , 2020, 92, 1198-1211.	0.9	7
46	Immersed boundary-based simplified thermal lattice Boltzmann method for incompressible thermal flows. <i>Physics of Fluids</i> , 2020, 32, .	1.6	45
47	Double distribution function-based discrete gas kinetic scheme for viscous incompressible and compressible flows. <i>Journal of Computational Physics</i> , 2020, 412, 109428.	1.9	5
48	Oblique drop impact on thin film: Splashing dynamics at moderate impingement angles. <i>Physics of Fluids</i> , 2020, 32, .	1.6	21
49	Fluid-structure interaction simulation based on immersed boundary-lattice Boltzmann flux solver and absolute nodal coordinate formula. <i>Physics of Fluids</i> , 2020, 32, .	1.6	26
50	The more actual macroscopic equations recovered from lattice Boltzmann equation and their applications. <i>Journal of Computational Physics</i> , 2020, 415, 109546.	1.9	16
51	A novel solver for simulation of flows from continuum regime to rarefied regime at moderate Knudsen number. <i>Journal of Computational Physics</i> , 2020, 415, 109548.	1.9	14
52	Propagation of weakly stretched premixed spherical spray flames in localized homogeneous and heterogeneous reactants. <i>Physics of Fluids</i> , 2020, 32, .	1.6	9
53	A three-dimensional gas-kinetic flux solver for simulation of viscous flows with explicit formulations of conservative variables and numerical flux. <i>Advances in Aerodynamics</i> , 2020, 2, .	1.3	1
54	An improved three-dimensional implicit discrete velocity method on unstructured meshes for all Knudsen number flows. <i>Journal of Computational Physics</i> , 2019, 396, 738-760.	1.9	32

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55	An improved discrete gas-kinetic scheme for two-dimensional viscous incompressible and compressible flows. <i>Physics of Fluids</i> , 2019, 31, .	1.6	10
56	A generalized minimal residual method-based immersed boundary-lattice Boltzmann flux solver coupled with finite element method for non-linear fluid-structure interaction problems. <i>Physics of Fluids</i> , 2019, 31, .	1.6	13
57	Numerical investigation of adhesion dynamics of a deformable cell pair on an adhesive substrate in shear flow. <i>Physical Review E</i> , 2019, 100, 033111.	0.8	5
58	Development of multicomponent lattice Boltzmann flux solver for simulation of compressible viscous reacting flows. <i>Physical Review E</i> , 2019, 100, 033315.	0.8	7
59	Fast flow field prediction over airfoils using deep learning approach. <i>Physics of Fluids</i> , 2019, 31, .	1.6	231
60	A kinetic theory-based axisymmetric lattice Boltzmann flux solver for isothermal and thermal swirling flows. <i>Journal of Computational Physics</i> , 2019, 392, 141-160.	1.9	9
61	Numerical investigation on performance of three solution reconstructions at cell interface in DVM simulation of flows in all Knudsen number regimes. <i>International Journal for Numerical Methods in Fluids</i> , 2019, 90, 545-563.	0.9	6
62	Simulation of conjugate heat transfer problems by lattice Boltzmann flux solver. <i>International Journal of Heat and Mass Transfer</i> , 2019, 137, 895-907.	2.5	20
63	A simplified axisymmetric lattice Boltzmann method for incompressible swirling and rotating flows. <i>Physics of Fluids</i> , 2019, 31, 023605.	1.6	14
64	High-order least-square-based finite-differenceâ€“finite-volume method for simulation of incompressible thermal flows on arbitrary grids. <i>Physical Review E</i> , 2019, 100, 063308.	0.8	11
65	Inverse Design of Airfoil Using a Deep Convolutional Neural Network. <i>AIAA Journal</i> , 2019, 57, 993-1003.	1.5	112
66	Numerical investigation of vortex induced rotation of two square cylinders in tandem arrangement. <i>Ocean Engineering</i> , 2019, 171, 485-495.	1.9	22
67	Third-order discrete unified gas kinetic scheme for continuum and rarefied flows: Low-speed isothermal case. <i>Physical Review E</i> , 2018, 97, 023306.	0.8	17
68	On the re-initialization of fluid interfaces in diffuse interface method. <i>Computers and Fluids</i> , 2018, 166, 209-217.	1.3	11
69	On improvements of simplified and highly stable lattice Boltzmann method: Formulations, boundary treatment, and stability analysis. <i>International Journal for Numerical Methods in Fluids</i> , 2018, 87, 161-179.	0.9	43
70	Development of an efficient gas kinetic scheme for simulation of two-dimensional incompressible thermal flows. <i>Physical Review E</i> , 2018, 97, 013305.	0.8	15
71	Development of axisymmetric lattice Boltzmann flux solver for complex multiphase flows. <i>Modern Physics Letters B</i> , 2018, 32, 1840005.	1.0	3
72	A simple mass-conserved level set method for simulation of multiphase flows. <i>Physics of Fluids</i> , 2018, 30, .	1.6	24

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73	An implicit scheme with memory reduction technique for steady state solutions of DVBE in all flow regimes. <i>Physics of Fluids</i> , 2018, 30, .	1.6	18
74	An implicit simplified sphere function-based gas kinetic scheme for simulation of 3D incompressible isothermal flows. <i>Computers and Fluids</i> , 2018, 160, 204-218.	1.3	7
75	Improved fully implicit discrete-velocity method for efficient simulation of flows in all flow regimes. <i>Physical Review E</i> , 2018, 98, .	0.8	24
76	Simplified multiphase lattice Boltzmann method for simulating multiphase flows with large density ratios and complex interfaces. <i>Physical Review E</i> , 2018, 98, .	0.8	54
77	Development of lattice Boltzmann flux solver for simulation of hypersonic flow past flight vehicles. <i>Journal of Physics: Conference Series</i> , 2018, 1053, 012073.	0.3	0
78	Highly accurate simplified lattice Boltzmann method. <i>Physics of Fluids</i> , 2018, 30, .	1.6	40
79	Simulation of interfacial waves of two-layer flows through phase field lattice Boltzmann method. <i>Modern Physics Letters B</i> , 2018, 32, 1840056.	1.0	0
80	An improved discrete velocity method (DVM) for efficient simulation of flows in all flow regimes. <i>Physics of Fluids</i> , 2018, 30, .	1.6	38
81	High-order simplified thermal lattice Boltzmann method for incompressible thermal flows. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 1-16.	2.5	31
82	Immersed boundary-simplified lattice Boltzmann method for incompressible viscous flows. <i>Physics of Fluids</i> , 2018, 30, .	1.6	45
83	An effective lattice Boltzmann flux solver on arbitrarily unstructured meshes. <i>Modern Physics Letters B</i> , 2018, 32, 1840012.	1.0	3
84	Extension of lattice Boltzmann flux solver for simulation of compressible multi-component flows. <i>Modern Physics Letters B</i> , 2018, 32, 1840001.	1.0	2
85	Preface to Special Topic: Papers Selected from the 7th International Symposium on Physics of Fluids, Guiyang, China, 2017. <i>Physics of Fluids</i> , 2018, 30, 040801.	1.6	0
86	Circular Function-Based Gas-Kinetic Scheme for Simulation of Viscous Compressible Flows. <i>Lecture Notes in Computer Science</i> , 2018, , 37-47.	1.0	0
87	The Simplified Lattice Boltzmann Method on Non-Uniform Meshes. <i>Communications in Computational Physics</i> , 2018, 23, .	0.7	18
88	An immersed boundary-gas kinetic flux solver for simulation of incompressible flows. <i>Computers and Fluids</i> , 2017, 142, 45-56.	1.3	12
89	On the immersed boundary-lattice Boltzmann simulations of incompressible flows with freely moving objects. <i>International Journal for Numerical Methods in Fluids</i> , 2017, 83, 331-350.	0.9	10
90	Incorporating an immersed boundary method to study thermal effects of vascular systems during tissue cryo-freezing. <i>Journal of Thermal Biology</i> , 2017, 64, 92-99.	1.1	15

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91	Comparative study of discrete velocity method and high-order lattice Boltzmann method for simulation of rarefied flows. <i>Computers and Fluids</i> , 2017, 146, 125-142.	1.3	26
92	A free energy-based surface tension force model for simulation of multiphase flows by level-set method. <i>Journal of Computational Physics</i> , 2017, 345, 404-426.	1.9	30
93	A simplified circular function-based gas kinetic scheme for simulation of incompressible flows. <i>International Journal for Numerical Methods in Fluids</i> , 2017, 85, 583-598.	0.9	18
94	Three-dimensional simplified and unconditionally stable lattice Boltzmann method for incompressible isothermal and thermal flows. <i>Physics of Fluids</i> , 2017, 29, 053601.	1.6	27
95	An immersed boundary-lattice boltzmann flux solver in a moving frame to study three-dimensional freely falling rigid bodies. <i>Journal of Fluids and Structures</i> , 2017, 68, 444-465.	1.5	14
96	A Simplified Lattice Boltzmann Method without Evolution of Distribution Function. <i>Advances in Applied Mathematics and Mechanics</i> , 2017, 9, 1-22.	0.7	68
97	An immersed boundary-simplified sphere function-based gas kinetic scheme for simulation of 3D incompressible flows. <i>Physics of Fluids</i> , 2017, 29, .	1.6	39
98	A simple gas kinetic scheme for simulation of 3D incompressible thermal flows. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2017, 72, 450-468.	0.6	9
99	Comparative study of 1D, 2D and 3D simplified gas kinetic schemes for simulation of inviscid compressible flows. <i>Applied Mathematical Modelling</i> , 2017, 43, 85-109.	2.2	8
100	A simplified thermal lattice Boltzmann method without evolution of distribution functions. <i>International Journal of Heat and Mass Transfer</i> , 2017, 105, 741-757.	2.5	40
101	An adaptive mesh refinement-multiphase lattice Boltzmann flux solver for simulation of complex binary fluid flows. <i>Physics of Fluids</i> , 2017, 29, .	1.6	28
102	A Truly Second-Order and Unconditionally Stable Thermal Lattice Boltzmann Method. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 277.	1.3	18
103	Computational Methods and Models in Circulatory and Reproductive Systems. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-2.	0.7	0
104	Numerical analysis of a clinically-extracted vascular tissue during cryo-freezing using immersed boundary method. <i>International Journal of Thermal Sciences</i> , 2016, 110, 109-118.	2.6	10
105	Numerical Simulation of Microflows by a DOM With Streaming and Collision Processes. , 2016, , .		1
106	Numerical Investigation on Head-On Collisions of Binary Micro-Droplets by an Improved Multiphase Lattice Boltzmann Flux Solver. , 2016, , .		0
107	Numerical study on the freely falling plate: Effects of density ratio and thickness-to-length ratio. <i>Physics of Fluids</i> , 2016, 28, .	1.6	15
108	A Hybrid Lattice Boltzmann Flux Solver for Simulation of Viscous Compressible Flows. <i>Advances in Applied Mathematics and Mechanics</i> , 2016, 8, 887-910.	0.7	34

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109	A Switch Function-Based Gas-Kinetic Scheme for Simulation of Inviscid and Viscous Compressible Flows. <i>Advances in Applied Mathematics and Mechanics</i> , 2016, 8, 703-721.	0.7	7
110	Development of discrete gas kinetic scheme for simulation of 3D viscous incompressible and compressible flows. <i>Journal of Computational Physics</i> , 2016, 319, 129-144.	1.9	24
111	A decoupling multiple-relaxation-time lattice Boltzmann flux solver for non-Newtonian power-law fluid flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 235, 20-28.	1.0	24
112	Extension of lattice Boltzmann flux solver for simulation of 3D viscous compressible flows. <i>Computers and Mathematics With Applications</i> , 2016, 71, 2069-2081.	1.4	23
113	Development of a discrete gas-kinetic scheme for simulation of two-dimensional viscous incompressible and compressible flows. <i>Physical Review E</i> , 2016, 93, 033311.	0.8	27
114	EVALUATION OF THE PERFORMANCE OF THE HYBRID LATTICE BOLTZMANN BASED NUMERICAL FLUX. <i>International Journal of Modern Physics Conference Series</i> , 2016, 42, 1660152.	0.7	0
115	A boundary condition-enforced immersed boundary method for compressible viscous flows. <i>Computers and Fluids</i> , 2016, 136, 104-113.	1.3	29
116	Numerical simulation of flows from free molecular regime to continuum regime by a DVM with streaming and collision processes. <i>Journal of Computational Physics</i> , 2016, 306, 291-310.	1.9	42
117	A fractional-step lattice Boltzmann flux solver for axisymmetric thermal flows. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2016, 69, 111-129.	0.6	13
118	Boundary condition-enforced immersed boundary-lattice Boltzmann flux solver for thermal flows with Neumann boundary conditions. <i>Journal of Computational Physics</i> , 2016, 306, 237-252.	1.9	38
119	An efficient immersed boundary-lattice Boltzmann flux solver for simulation of 3D incompressible flows with complex geometry. <i>Computers and Fluids</i> , 2016, 124, 54-66.	1.3	29
120	Thermoelastic response of thin plate with variable material properties under transient thermal shock. <i>International Journal of Mechanical Sciences</i> , 2015, 104, 200-206.	3.6	36
121	Three-Dimensional Lattice Boltzmann Flux Solver and Its Applications to Incompressible Isothermal and Thermal Flows. <i>Communications in Computational Physics</i> , 2015, 18, 593-620.	0.7	33
122	From Lattice Boltzmann Method to Lattice Boltzmann Flux Solver. <i>Entropy</i> , 2015, 17, 7713-7735.	1.1	41
123	A mass-conserved diffuse interface method and its application for incompressible multiphase flows with large density ratio. <i>Journal of Computational Physics</i> , 2015, 290, 336-351.	1.9	77
124	A coupled immersed boundary-lattice Boltzmann method and its simulation for biomimetic problems. <i>Theoretical and Applied Mechanics Letters</i> , 2015, 5, 16-19.	1.3	8
125	A hybrid phase field multiple relaxation time lattice Boltzmann method for the incompressible multiphase flow with large density contrast. <i>International Journal for Numerical Methods in Fluids</i> , 2015, 77, 526-543.	0.9	48
126	An immersed boundary-lattice Boltzmann flux solver and its applications to fluid-structure interaction problems. <i>Journal of Fluids and Structures</i> , 2015, 54, 440-465.	1.5	108

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127	Numerical study on the power extraction performance of a flapping foil with a flexible tail. <i>Physics of Fluids</i> , 2015, 27, .	1.6	54
128	Ground effect on the power extraction performance of a flapping wing biomimetic energy generator. <i>Journal of Fluids and Structures</i> , 2015, 54, 247-262.	1.5	25
129	Explicit formulations of gas-kinetic flux solver for simulation of incompressible and compressible viscous flows. <i>Journal of Computational Physics</i> , 2015, 300, 492-519.	1.9	31
130	A three-dimensional explicit sphere function-based gas-kinetic flux solver for simulation of inviscid compressible flows. <i>Journal of Computational Physics</i> , 2015, 295, 322-339.	1.9	34
131	An improved multiphase lattice Boltzmann flux solver for three-dimensional flows with large density ratio and high Reynolds number. <i>Journal of Computational Physics</i> , 2015, 302, 41-58.	1.9	82
132	An SPH model for multiphase flows with complex interfaces and large density differences. <i>Journal of Computational Physics</i> , 2015, 283, 169-188.	1.9	154
133	Analytical and numerical study of tissue cryofreezing via the immersed boundary method. <i>International Journal of Heat and Mass Transfer</i> , 2015, 83, 1-10.	2.5	34
134	A numerical study on RCCI engine fueled by biodiesel/methanol. <i>Energy Conversion and Management</i> , 2015, 89, 798-807.	4.4	102
135	An adaptive immersed boundary-lattice Boltzmann method for simulating a flapping foil in ground effect. <i>Computers and Fluids</i> , 2015, 106, 171-184.	1.3	27
136	Multiphase lattice Boltzmann flux solver for incompressible multiphase flows with large density ratio. <i>Journal of Computational Physics</i> , 2015, 280, 404-423.	1.9	174
137	Application of Combination of Local Domain Free Discretization and Immersed Boundary Method (LDFD-IBM) to Numerical Simulation of 3D Flows Over a Circular Cylinder. , 2014, , .		0
138	Pitching-motion-activated flapping foil near solid walls for power extraction: A numerical investigation. <i>Physics of Fluids</i> , 2014, 26, .	1.6	53
139	Investigation of flow characteristics around a stationary circular cylinder with an undulatory plate. <i>European Journal of Mechanics, B/Fluids</i> , 2014, 48, 27-39.	1.2	23
140	Thermal lattice Boltzmann flux solver and its application for simulation of incompressible thermal flows. <i>Computers and Fluids</i> , 2014, 94, 98-111.	1.3	77
141	Numerical investigation of vortex-induced vibration of a circular cylinder with a hinged flat plate. <i>Physics of Fluids</i> , 2014, 26, .	1.6	44
142	A simple distribution function-based gas-kinetic scheme for simulation of viscous incompressible and compressible flows. <i>Journal of Computational Physics</i> , 2014, 274, 611-632.	1.9	47
143	Flow control of a circular cylinder by using an attached flexible filament. <i>Physics of Fluids</i> , 2014, 26, .	1.6	64
144	Numerical study of flow control via the interaction between a circular cylinder and a flexible plate. <i>Journal of Fluids and Structures</i> , 2014, 49, 594-613.	1.5	39

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145	A fractional step axisymmetric lattice Boltzmann flux solver for incompressible swirling and rotating flows. <i>Computers and Fluids</i> , 2014, 96, 204-214.	1.3	29
146	Free-energy-based lattice Boltzmann model for the simulation of multiphase flows with density contrast. <i>Physical Review E</i> , 2014, 89, 033309.	0.8	69
147	Fluid Dynamics of Flapping Insect Wing in Ground Effect. <i>Journal of Bionic Engineering</i> , 2014, 11, 52-60.	2.7	30
148	Development of LBGK and incompressible LBGK-based lattice Boltzmann flux solvers for simulation of incompressible flows. <i>International Journal for Numerical Methods in Fluids</i> , 2014, 75, 344-364.	0.9	39
149	An efficient boundary condition-implemented immersed boundary-lattice Boltzmann method for simulation of 3D incompressible viscous flows. <i>Computers and Fluids</i> , 2014, 100, 165-175.	1.3	10
150	Development of Lattice Boltzmann Flux Solver for Simulation of Incompressible Flows. <i>Advances in Applied Mathematics and Mechanics</i> , 2014, 6, 436-460.	0.7	120
151	A Boundary Condition-Implemented Immersed Boundary-Lattice Boltzmann Method and Its Application for Simulation of Flows Around a Circular Cylinder. <i>Advances in Applied Mathematics and Mechanics</i> , 2014, 6, 811-829.	0.7	6
152	A stencil adaptive phase-field lattice Boltzmann method for two dimensional incompressible multiphase flows. <i>International Journal for Numerical Methods in Fluids</i> , 2013, 72, 671-696.	0.9	4
153	A moment conservation-based non-free parameter compressible lattice Boltzmann model and its application for flux evaluation at cell interface. <i>Computers and Fluids</i> , 2013, 79, 190-199.	1.3	40
154	Circular function-based gas-kinetic scheme for simulation of inviscid compressible flows. <i>Journal of Computational Physics</i> , 2013, 255, 540-557.	1.9	45
155	Development of an immersed boundary-phase field-lattice Boltzmann method for Neumann boundary condition to study contact line dynamics. <i>Journal of Computational Physics</i> , 2013, 234, 8-32.	1.9	28
156	An efficient immersed boundary method for thermal flow problems with heat flux boundary conditions. <i>International Journal of Heat and Mass Transfer</i> , 2013, 64, 694-705.	2.5	65
157	Novel immersed boundary methods for thermal flow problems. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013, 23, 124-142.	1.6	25
158	Hybrid multiple-relaxation-time lattice-Boltzmann finite-difference method for axisymmetric multiphase flows. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 055501.	0.7	30
159	Simulation of Thermal Flow Problems via a Hybrid Immersed Boundary-Lattice Boltzmann Method. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-11.	0.4	3
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