

Yikun Wei

List of Publications by Year in descending order

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papers

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42
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298
citing authors

#	ARTICLE	IF	CITATIONS
1	Small-scale fluctuation and scaling law of mixing in three-dimensional rotating turbulent Rayleigh-Taylor instability. <i>Physical Review E</i> , 2022, 105, 015103.	0.8	3
2	Simulation of Cardiac Flow under the Septal Defect Based on Lattice Boltzmann Method. <i>Entropy</i> , 2022, 24, 187.	1.1	0
3	Numerical simulations of flow around three cylinders using momentum exchange-based immersed boundary-lattice Boltzmann method. <i>Ocean Engineering</i> , 2022, 247, 110706.	1.9	10
4	Blade shape optimization and internal-flow characteristics of the backward non-volute centrifugal fan. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2022, 236, 673-688.	0.8	3
5	Flow instability in a volute-free centrifugal fan subjected to non-axisymmetric pre-swirl flow from upstream bended inflow tube. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2022, 236, 689-713.	0.8	7
6	A novel thermal lattice Boltzmann model with heat source and its application in incompressible flow. <i>Applied Mathematics and Computation</i> , 2022, 427, 127167.	1.4	4
7	Numerical investigation on buoyancy-driven flow over a circular cylinder in a channel with nonparallel walls. <i>Numerical Heat Transfer; Part A: Applications</i> , 2022, 82, 299-316.	1.2	2
8	Numerical simulation of the flow around two square cylinders using the lattice Boltzmann method. <i>Physics of Fluids</i> , 2021, 33, .	1.6	20
9	Numerical and experimental investigations on the flow and noise characteristics in a centrifugal fan with step tongue volutes. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 2979-2993.	1.1	13
10	Reduction of aerodynamic noise of single-inlet centrifugal fan with inclined volute tongue. <i>Measurement and Control</i> , 2020, 53, 1376-1387.	0.9	4
11	A simple direct heating thermal immersed boundary-lattice Boltzmann method for its application in incompressible flow. <i>Computers and Mathematics With Applications</i> , 2020, 80, 1633-1649.	1.4	16
12	Unsteady Flow Characteristics of Rotating Stall and Surging in a Backward Centrifugal Fan at Low Flow-Rate Conditions. <i>Processes</i> , 2020, 8, 872.	1.3	6
13	Investigation on flapping dynamics and wake characteristics of a flexible plate in nonlinear hysteresis region. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050164.	0.8	1
14	Investigation on Vortex Characteristics of a Multi-Blade Centrifugal Fan near Volute Outlet Region. <i>Processes</i> , 2020, 8, 1240.	1.3	11
15	Time Evolution Features of Entropy Generation Rate in Turbulent Rayleigh-Bénard Convection with Mixed Insulating and Conducting Boundary Conditions. <i>Entropy</i> , 2020, 22, 672.	1.1	6
16	Temporal and Spatial Evolution of Kinetic and Thermal Energy Dissipation Rates in a Three-Dimensional Turbulent Rayleigh-Taylor Mixing Zone. <i>Entropy</i> , 2020, 22, 652.	1.1	1
17	Lattice Boltzmann method for fractional Cahn-Hilliard equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 91, 105443.	1.7	11
18	A bounce back-immersed boundary-lattice Boltzmann model for curved boundary. <i>Applied Mathematical Modelling</i> , 2020, 81, 428-440.	2.2	40

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19	Effects of Single-arc Blade Profile Length on the Performance of a Forward Multiblade Fan. Processes, 2019, 7, 629.	1.3	8
20	Vortex shedding characteristics around a circular cylinder with flexible film. European Journal of Mechanics, B/Fluids, 2019, 77, 201-210.	1.2	14
21	Numerical simulation of motion characteristics of flexible fresh tea leaf in Poiseuille shear flow via combined immersed boundary-lattice Boltzmann method. International Journal of Modern Physics C, 2019, 30, 1950038.	0.8	7
22	Effects of vortex structure on performance characteristics of a multiblade fan with inclined tongue. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2019, 233, 1007-1021.	0.8	28
23	Experimental investigations on the performance and noise characteristics of a forward-curved fan with the stepped tongue. Measurement and Control, 2019, 52, 1480-1488.	0.9	19
24	Forced convection for flow across two tandem cylinders with rounded corners in a channel. International Journal of Heat and Mass Transfer, 2019, 130, 1053-1069.	2.5	52
25	Study of flapping filaments using the immersed boundary-lattice Boltzmann method. Textile Research Journal, 2019, 89, 3127-3136.	1.1	4
26	Partitioning effect on natural convection in a circular enclosure with an asymmetrically placed inclined plate. International Communications in Heat and Mass Transfer, 2018, 90, 11-22.	2.9	21
27	Study on Bifurcation and Dual Solutions in Natural Convection in a Horizontal Annulus with Rotating Inner Cylinder Using Thermal Immersed Boundary-Lattice Boltzmann Method. Entropy, 2018, 20, 733.	1.1	11
28	Entropy Generation Rates in Two-Dimensional Rayleigh-Taylor Turbulence Mixing. Entropy, 2018, 20, 738.	1.1	7
29	Statistics of Heat Transfer in Two-Dimensional Turbulent Rayleigh-Bénard Convection at Various Prandtl Number. Entropy, 2018, 20, 582.	1.1	7
30	Numerical Simulations of the Motion and Deformation of Three RBCs during Poiseuille Flow through a Constricted Vessel Using IB-LBM. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-12.	0.7	4
31	Numerical Study on Entropy Generation in Thermal Convection with Differentially Discrete Heat Boundary Conditions. Entropy, 2018, 20, 351.	1.1	11
32	A novel two-dimensional coupled lattice Boltzmann model for thermal incompressible flows. Applied Mathematics and Computation, 2018, 339, 556-567.	1.4	44
33	Temporal Evolution and Scaling of Mixing in Turbulent Thermal Convection for Inhomogeneous Boundary Conditions. Advances in Applied Mathematics and Mechanics, 2017, 9, 1035-1051.	0.7	0
34	A novel two-dimensional coupled lattice Boltzmann model for incompressible flow in application of turbulence Rayleigh-Taylor instability. Computers and Fluids, 2017, 156, 97-102.	1.3	35
35	A Numerical Study on Entropy Generation in Two-Dimensional Rayleigh-Bénard Convection at Different Prandtl Number. Entropy, 2017, 19, 443.	1.1	17
36	Optimization of Blade Profile of a Plenum Fan. International Journal of Fluid Machinery and Systems, 2016, 9, 95-106.	0.5	8

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37	Numerical Investigation of Flow Characteristics in the Obstructed Realistic Human Upper Airway. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-10.	0.7	11
38	An improved prediction model of vortex shedding noise from blades of fans. Journal of Thermal Science, 2016, 25, 526-531.	0.9	8
39	Simulations of natural convection heat transfer in an enclosure at different Rayleigh number using lattice Boltzmann method. Computers and Fluids, 2016, 124, 30-38.	1.3	55
40	Numerical Simulations of a Bubble Growth and Departure on the Horizontal Wall Using Thermal Lattice Boltzmann Method. Journal of Computational Multiphase Flows, 2015, 7, 111-116.	0.8	0
41	A simple lattice Boltzmann model for turbulence Rayleigh-Bénard thermal convection. Computers and Fluids, 2015, 118, 167-171.	1.3	20
42	Effects of nondimensional distance between two square cylinders on the dissipation characteristics of the complex flow. International Journal of Modern Physics C, 0, , 2150146.	0.8	0