

Lu Xiyun

List of Publications by Year in descending order

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160
papers

4,270
citations

109137

35
h-index

143772

57
g-index

178
all docs

178
docs citations

178
times ranked

2575
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient immersed boundary-lattice Boltzmann method for the hydrodynamic interaction of elastic filaments. <i>Journal of Computational Physics</i> , 2011, 230, 7266-7283.	1.9	226
2	Integral force acting on a body due to local flow structures. <i>Journal of Fluid Mechanics</i> , 2007, 576, 265-286.	1.4	146
3	Characteristics of flow over traveling wavy foils in a side-by-side arrangement. <i>Physics of Fluids</i> , 2007, 19, 057107.	1.6	142
4	Relative permeabilities and coupling effects in steady-state gas-liquid flow in porous media: A lattice Boltzmann study. <i>Physics of Fluids</i> , 2009, 21, .	1.6	121
5	Shan&Chen&type multiphase lattice Boltzmann study of viscous coupling effects for two&phase flow in porous media. <i>International Journal for Numerical Methods in Fluids</i> , 2009, 61, 341-354.	0.9	109
6	Large-eddy simulation of the compressible flow past a wavy cylinder. <i>Journal of Fluid Mechanics</i> , 2010, 665, 238-273.	1.4	105
7	Locomotion of a passively flapping flat plate. <i>Journal of Fluid Mechanics</i> , 2010, 659, 43-68.	1.4	104
8	Locomotion of a flapping flexible plate. <i>Physics of Fluids</i> , 2013, 25, .	1.6	104
9	Rotation of spheroidal particles in Couette flows. <i>Journal of Fluid Mechanics</i> , 2012, 692, 369-394.	1.4	98
10	Numerical investigation of the non-Newtonian blood flow in a bifurcation model with a non-planar branch. <i>Journal of Biomechanics</i> , 2004, 37, 1899-1911.	0.9	96
11	Insect normal hovering flight in ground effect. <i>Physics of Fluids</i> , 2008, 20, .	1.6	95
12	Numerical investigation of a jet from a blunt body opposing a supersonic flow. <i>Journal of Fluid Mechanics</i> , 2011, 684, 85-110.	1.4	82
13	Numerical investigation of the compressible flow past an aerofoil. <i>Journal of Fluid Mechanics</i> , 2010, 643, 97-126.	1.4	76
14	Coupling modes of three filaments in side-by-side arrangement. <i>Physics of Fluids</i> , 2011, 23, .	1.6	74
15	Dynamics of an inverted flexible plate in a uniform flow. <i>Physics of Fluids</i> , 2015, 27, .	1.6	74
16	An improved hybrid Cartesian/immersed boundary method for fluid&solid flows. <i>International Journal for Numerical Methods in Fluids</i> , 2007, 55, 1189-1211.	0.9	67
17	Force and power of flapping plates in a fluid. <i>Journal of Fluid Mechanics</i> , 2012, 712, 598-613.	1.4	67
18	Flow topology in compressible turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , 2012, 703, 255-278.	1.4	67

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19	Numerical analysis on the propulsive performance and vortex shedding of fish-like travelling wavy plate. <i>International Journal for Numerical Methods in Fluids</i> , 2005, 48, 1351-1373.	0.9	63
20	Sedimentation of an ellipsoidal particle in narrow tubes. <i>Physics of Fluids</i> , 2014, 26, .	1.6	60
21	Measurement of a Richtmyer-Meshkov Instability at an Air- $\frac{SF}{6}$ Interface in a Semiannular Shock Tube. <i>Physical Review Letters</i> , 2017, 119, 014501.	2.9	59
22	Simulation of a pulsatile non-Newtonian flow past a stenosed 2D artery with atherosclerosis. <i>Computers in Biology and Medicine</i> , 2013, 43, 1098-1113.	3.9	58
23	Collective locomotion of two closely spaced self-propelled flapping plates. <i>Journal of Fluid Mechanics</i> , 2018, 849, 1068-1095.	1.4	58
24	ON SIMULATIONS OF HIGH-DENSITY RATIO FLOWS USING COLOR-GRADIENT MULTIPHASE LATTICE BOLTZMANN MODELS. <i>International Journal of Modern Physics C</i> , 2013, 24, 1350021.	0.8	54
25	On the interaction of a planar shock with a three-dimensional light gas cylinder. <i>Journal of Fluid Mechanics</i> , 2017, 828, 289-317.	1.4	52
26	Coupling performance of tandem flexible inverted flags in a uniform flow. <i>Journal of Fluid Mechanics</i> , 2018, 837, 461-476.	1.4	52
27	Dynamics of drop impact onto a solid sphere: spreading and retraction. <i>Journal of Fluid Mechanics</i> , 2017, 824, .	1.4	51
28	Dynamics of fluid flow over a circular flexible plate. <i>Journal of Fluid Mechanics</i> , 2014, 759, 56-72.	1.4	48
29	On the maximal spreading of impacting compound drops. <i>Journal of Fluid Mechanics</i> , 2018, 854, .	1.4	42
30	Large-eddy simulation of a pulsed jet into a supersonic crossflow. <i>Computers and Fluids</i> , 2016, 140, 320-333.	1.3	40
31	Hydrodynamic schooling of multiple self-propelled flapping plates. <i>Journal of Fluid Mechanics</i> , 2018, 853, 587-600.	1.4	40
32	Large-Eddy and Detached-Eddy Simulations of the Separated Flow Around a Circular Cylinder. <i>Journal of Hydrodynamics</i> , 2007, 19, 559-563.	1.3	39
33	On the contact-line pinning in cavity formation during solid-liquid impact. <i>Journal of Fluid Mechanics</i> , 2015, 783, 504-525.	1.4	39
34	Propulsive performance of a fish-like travelling wavy wall. <i>Acta Mechanica</i> , 2005, 175, 197-215.	1.1	36
35	Film deposition and transition on a partially wetting plate in dip coating. <i>Journal of Fluid Mechanics</i> , 2016, 791, 358-383.	1.4	36
36	Large eddy simulation of turbulent channel flow with mass transfer at high-Schmidt numbers. <i>International Journal of Heat and Mass Transfer</i> , 2003, 46, 1529-1539.	2.5	34

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37	An investigation of turbulent oscillatory heat transfer in channel flows by large eddy simulation. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 2161-2172.	2.5	32
38	Large eddy simulation of a thermally stratified turbulent channel flow with temperature oscillation on the wall. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 2109-2122.	2.5	32
39	Effects of the injector geometry on a sonic jet into a supersonic crossflow. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 366-377.	2.0	32
40	Topological evolution in compressible turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2013, 733, 414-438.	1.4	32
41	Effect of wall temperature on hypersonic turbulent boundary layer. <i>Journal of Turbulence</i> , 2013, 14, 37-57.	0.5	32
42	Pinning and Depinning Mechanism of the Contact Line during Evaporation of Nanodroplets on Heated Heterogeneous Surfaces: A Molecular Dynamics Simulation. <i>Langmuir</i> , 2019, 35, 6356-6366.	1.6	32
43	An investigation of turbulent open channel flow with heat transfer by large eddy simulation. <i>Computers and Fluids</i> , 2005, 34, 23-47.	1.3	29
44	Numerical Studies on Locomotion Performance of Fishlike Tail Fins. <i>Journal of Hydrodynamics</i> , 2012, 24, 488-495.	1.3	29
45	An ellipsoidal particle in tube Poiseuille flow. <i>Journal of Fluid Mechanics</i> , 2017, 822, 664-688.	1.4	29
46	Propulsive performance and vortex shedding of a foil in flapping flight. <i>Acta Mechanica</i> , 2003, 165, 189-206.	1.1	27
47	Free locomotion of a flexible plate near the ground. <i>Physics of Fluids</i> , 2017, 29, .	1.6	27
48	Collective locomotion of two uncoordinated undulatory self-propelled foils. <i>Physics of Fluids</i> , 2021, 33, .	1.6	27
49	Effect of trailing-edge shape on the self-propulsive performance of heaving flexible plates. <i>Journal of Fluid Mechanics</i> , 2020, 887, .	1.4	26
50	Numerical simulation of drop Marangoni migration under microgravity. <i>Acta Astronautica</i> , 2004, 54, 325-335.	1.7	24
51	Effect of surfactants on the inertialess instability of a two-layer film flow. <i>Journal of Fluid Mechanics</i> , 2007, 591, 495-507.	1.4	24
52	Direct numerical simulation of spanwise rotating turbulent channel flow with heat transfer. <i>International Journal for Numerical Methods in Fluids</i> , 2007, 53, 1689-1706.	0.9	24
53	Entrapping an impacting particle at a liquid-gas interface. <i>Journal of Fluid Mechanics</i> , 2018, 841, 1073-1084.	1.4	24
54	Collective locomotion of two self-propelled flapping plates with different propulsive capacities. <i>Physics of Fluids</i> , 2018, 30, .	1.6	24

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55	Self-propulsion of a flapping flexible plate near the ground. <i>Physical Review E</i> , 2016, 94, 033113.	0.8	23
56	Effect of Mach number on transonic flow past a circular cylinder. <i>Science Bulletin</i> , 2009, 54, 1886-1893.	4.3	22
57	Large eddy simulation of turbulent concentric annular channel flows. <i>International Journal for Numerical Methods in Fluids</i> , 2004, 45, 1317-1338.	0.9	21
58	Two tandem flexible loops in a viscous flow. <i>Physics of Fluids</i> , 2017, 29, .	1.6	21
59	Turbulent drag reduction in plane Couette flow with polymer additives: a direct numerical simulation study. <i>Journal of Fluid Mechanics</i> , 2018, 846, 482-507.	1.4	21
60	Sedimentation of an oblate ellipsoid in narrow tubes. <i>Physical Review E</i> , 2015, 92, 063009.	0.8	20
61	Direct numerical simulation of Taylor-Couette flow subjected to a radial temperature gradient. <i>Physics of Fluids</i> , 2015, 27, .	1.6	20
62	A deformable plate interacting with a non-Newtonian fluid in three dimensions. <i>Physics of Fluids</i> , 2017, 29, .	1.6	20
63	Ratchet mechanism of drops climbing a vibrated oblique plate. <i>Journal of Fluid Mechanics</i> , 2018, 835, .	1.4	20
64	The correspondence between drag enhancement and vortical structures in turbulent Taylor-Couette flows with polymer additives: a study of curvature dependence. <i>Journal of Fluid Mechanics</i> , 2019, 881, 602-616.	1.4	20
65	Kinetic energy and enstrophy transfer in compressible Rayleigh-Taylor turbulence. <i>Journal of Fluid Mechanics</i> , 2020, 904, .	1.4	20
66	Noise control of subsonic flow past open cavities based on porous floors. <i>Physics of Fluids</i> , 2020, 32, .	1.6	20
67	Optimal chordwise stiffness distribution for self-propelled heaving flexible plates. <i>Physics of Fluids</i> , 2020, 32, .	1.6	20
68	LATTICE BOLTZMANN STUDY OF ELECTROHYDRODYNAMIC DROP DEFORMATION WITH LARGE DENSITY RATIO. <i>International Journal of Modern Physics C</i> , 2011, 22, 729-744.	0.8	19
69	Numerical Study of the Flow Behind a Rotary Oscillating Circular Cylinder. <i>International Journal of Computational Fluid Dynamics</i> , 2002, 16, 65-82.	0.5	18
70	Shear viscosity of dilute suspensions of ellipsoidal particles with a lattice Boltzmann method. <i>Physical Review E</i> , 2012, 86, 046305.	0.8	18
71	Refraction of cylindrical converging shock wave at an air/helium gaseous interface. <i>Physics of Fluids</i> , 2017, 29, .	1.6	18
72	Rheology of capsule suspensions in plane Poiseuille flows. <i>Physics of Fluids</i> , 2021, 33, .	1.6	17

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73	Direct numerical simulation of inertio-elastic turbulent Taylor-Couette flow. <i>Journal of Fluid Mechanics</i> , 2021, 926, .	1.4	17
74	Direct numerical simulation of wall-normal rotating turbulent channel flow with heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2006, 49, 1162-1175.	2.5	16
75	A numerical investigation of turbulent flows in a spanwise rotating channel. <i>Computers and Fluids</i> , 2007, 36, 282-298.	1.3	16
76	Mechanism of the long-wave inertialess instability of a two-layer film flow. <i>Journal of Fluid Mechanics</i> , 2008, 608, 379-391.	1.4	16
77	Characteristics of unsteady type IV shock/shock interaction. <i>Shock Waves</i> , 2012, 22, 225-235.	1.0	16
78	Self-propulsion of a three-dimensional flapping flexible plate. <i>Journal of Hydrodynamics</i> , 2016, 28, 1-9.	1.3	16
79	Analytical model of nonlinear evolution of single-mode Rayleigh-Taylor instability in cylindrical geometry. <i>Journal of Fluid Mechanics</i> , 2020, 900, .	1.4	16
80	Effect of surfactants on the long-wave stability of oscillatory film flow. <i>Journal of Fluid Mechanics</i> , 2006, 562, 345.	1.4	15
81	Numerical Analysis of the Ground Effect on Insect Hovering. <i>Journal of Hydrodynamics</i> , 2008, 20, 17-22.	1.3	15
82	A Consistent Characteristic Boundary Condition for General Fluid Mixture and Its Implementation in a Preconditioning Scheme. <i>Advances in Applied Mathematics and Mechanics</i> , 2012, 4, 72-92.	0.7	15
83	Hydrodynamic force induced by vortex-body interactions in orderly formations of flapping tandem flexible plates. <i>Physics of Fluids</i> , 2022, 34, .	1.6	15
84	Manipulation of three-dimensional Richtmyer-Meshkov instability by initial interfacial principal curvatures. <i>Physics of Fluids</i> , 2017, 29, .	1.6	14
85	An evaluation of a 3D free-energy-based lattice Boltzmann model for multiphase flows with large density ratio. <i>International Journal for Numerical Methods in Fluids</i> , 2010, 63, 1193-1207.	0.9	13
86	Viscous flow past a collapsible channel as a model for self-excited oscillation of blood vessels. <i>Journal of Biomechanics</i> , 2015, 48, 1922-1929.	0.9	13
87	A specially curved wedge for eliminating wedge angle effect in unsteady shock reflection. <i>Physics of Fluids</i> , 2017, 29, 086103.	1.6	13
88	Numerical investigation of the bevelled effects on shock structure and screech noise in planar supersonic jets. <i>Physics of Fluids</i> , 2020, 32, 086103.	1.6	13
89	Numerical study of droplet impact on a flexible substrate. <i>Physical Review E</i> , 2020, 101, 053107.	0.8	13
90	Numerical analysis of the rotating viscous flow approaching a solid sphere. <i>International Journal for Numerical Methods in Fluids</i> , 2004, 44, 905-925.	0.9	12

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91	Effects of injection temperature on the jet evolution under supercritical conditions. Science Bulletin, 2009, 54, 4197-4204.	1.7	12
92	Forced dewetting in a capillary tube. Journal of Fluid Mechanics, 2019, 859, 308-320.	1.4	12
93	A reverse transition route from inertial to elasticity-dominated turbulence in viscoelastic Taylor-Couette flow. Journal of Fluid Mechanics, 2021, 927, .	1.4	12
94	Instability of an oscillatory fluid layer with insoluble surfactants. Journal of Fluid Mechanics, 2008, 595, 461-490.	1.4	11
95	On the wetting dynamics in a Couette flow. Journal of Fluid Mechanics, 2013, 724, .	1.4	11
96	Polymer-induced flow relaminarization and drag enhancement in spanwise-rotating plane Couette flow. Journal of Fluid Mechanics, 2020, 905, .	1.4	11
97	Active external control effect on the collective locomotion of two tandem self-propelled flapping plates. Physics of Fluids, 2021, 33, .	1.6	11
98	Intermittent swimming of two self-propelled flapping plates in tandem configuration. Physics of Fluids, 2022, 34, .	1.6	11
99	Deep-reinforcement-learning-based self-organization of freely undulatory swimmers. Physical Review E, 2022, 105, 045105.	0.8	11
100	A dynamic subgrid-scale model for the large eddy simulation of stratified flow. Science in China Series A: Mathematics, 2000, 43, 391-399.	0.5	10
101	An investigation of pulsating turbulent open channel flow by large eddy simulation. Computers and Fluids, 2006, 35, 74-102.	1.3	10
102	Hydrodynamic benefits of intermittent locomotion of a self-propelled flapping plate. Physical Review E, 2020, 102, 053106.	0.8	10
103	A study of longitudinal processes and interactions in compressible viscous flows. Journal of Fluid Mechanics, 2020, 893, .	1.4	10
104	Numerical study of buoyancy- and thermocapillary-driven flows in a cavity. Acta Mechanica Sinica/Lixue Xuebao, 1998, 14, 130-138.	1.5	9
105	Hydrodynamic analysis of C-start in Crucian Carp. Journal of Bionic Engineering, 2004, 1, 102-107.	2.7	9
106	Computational Study of Drag Reduction at Various Freestream Flows Using a Counterflow Jet from a Hemispherical Cylinder. Engineering Applications of Computational Fluid Mechanics, 2010, 4, 150-163.	1.5	9
107	Dewetting films with inclined contact lines. Physical Review E, 2015, 91, 023008.	0.8	9
108	Topological evolution near the turbulent/non-turbulent interface in turbulent mixing layer. Journal of Turbulence, 2019, 20, 300-321.	0.5	9

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109	Analysis of Hydrodynamics for Two-Dimensional Flow Around Waving Plates. Journal of Hydrodynamics, 2007, 19, 18-22.	1.3	8
110	Direct Numerical Simulations of Turbulent Channel Flows with Consideration of the Buoyancy Effect of the Bubble Phase. Journal of Hydrodynamics, 2011, 23, 282-288.	1.3	8
111	Dynamic performance and wake structure of flapping plates with different shapes. Acta Mechanica Sinica/Lixue Xuebao, 2014, 30, 800-808.	1.5	8
112	Dynamics and Instability of a Vortex Ring Impinging on a Wall. Communications in Computational Physics, 2015, 18, 1122-1146.	0.7	8
113	Reflection of cylindrical converging shock wave over a plane wedge. Physics of Fluids, 2016, 28, 086101.	1.6	8
114	The Motion of a Neutrally Buoyant Ellipsoid Inside Square Tube Flows. Advances in Applied Mathematics and Mechanics, 2017, 9, 233-249.	0.7	8
115	Unsteady shock interactions on V-shaped blunt leading edges. Physics of Fluids, 2018, 30, .	1.6	8
116	Subgrid effects on the filtered velocity gradient dynamics in compressible turbulence. Journal of Fluid Mechanics, 2020, 892, .	1.4	8
117	Interplay of chordwise stiffness and shape on performance of self-propelled flexible flapping plate. Physics of Fluids, 2021, 33, .	1.6	8
118	Nonlinear saturation of bubble evolution in a two-dimensional single-mode stratified compressible Rayleigh-Taylor instability. Physical Review Fluids, 2022, 7, .	1.0	8
119	Noise reduction mechanisms for insert-type serrations of the NACA-0012 airfoil. Journal of Fluid Mechanics, 2022, 941, .	1.4	8
120	Effects of wall suction/injection on the linear stability of flat Stokes layers. Journal of Fluid Mechanics, 2006, 551, 303.	1.4	7
121	Relaminarization of spanwise-rotating viscoelastic plane Couette flow via a transition sequence from a drag-reduced inertial to a drag-enhanced elasto-inertial turbulent flow. Journal of Fluid Mechanics, 2022, 931, .	1.4	7
122	Numerical Simulation of an Oscillating Flow Past a Circular Cylinder in the Vicinity of a Plane Wall. Journal of Hydrodynamics, 2008, 20, 547-552.	1.3	6
123	A numerical study of fluid injection and mixing under near-critical conditions. Acta Mechanica Sinica/Lixue Xuebao, 2012, 28, 559-571.	1.5	6
124	Length effects of a built-in flapping flat plate on the flow over a traveling wavy foil. Physical Review E, 2014, 89, 063019.	0.8	6
125	Propulsive performance of a passively flapping plate in a uniform flow. Journal of Hydrodynamics, 2015, 27, 496-501.	1.3	6
126	Large-eddy simulation of sonic coaxial jets with different total pressure ratios of the inner to outer nozzle. Computers and Fluids, 2018, 171, 122-134.	1.3	6

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127	Molecular Dynamics Study of Binary Nanodroplet Evaporation on a Heated Homogeneous Substrate. <i>Langmuir</i> , 2020, 36, 3439-3451.	1.6	6
128	Large eddy simulation of turbulent open channel flow with heat transfer at high Prandtl numbers. <i>Acta Mechanica</i> , 2004, 170, 227.	1.1	5
129	SIMULATION OF GAS FLOW IN MICROTUBES BY LATTICE BOLTZMANN METHOD. <i>International Journal of Modern Physics C</i> , 2009, 20, 1145-1153.	0.8	5
130	LARGE-EDDY SIMULATION OF OPPOSING-JET-PERTURBED SUPERSONIC FLOWS PAST A HEMISPHERICAL NOSE. <i>Modern Physics Letters B</i> , 2010, 24, 1287-1290.	1.0	5
131	Interaction between strain and vorticity in compressible turbulent boundary layer. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 2316-2329.	2.0	5
132	A Comparison Study of Numerical Methods for Compressible Two-Phase Flows. <i>Advances in Applied Mathematics and Mechanics</i> , 2017, 9, 1111-1132.	0.7	5
133	Self-propelled plate in wakes behind tandem cylinders. <i>Physical Review E</i> , 2019, 100, 033114.	0.8	5
134	Constrained large-eddy simulation of turbulent flow over rough walls. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	5
135	Numerical study of natural convection flow in a vertical slot. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 1999, 15, 215-224.	1.5	4
136	Hydrodynamic analysis of C-start in Crucian Carp. <i>Journal of Bionic Engineering</i> , 2004, 1, 102-107.	2.7	4
137	Numerical simulation of drop migration in channell flow under zero-gravity. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2004, 20, 199-205.	1.5	4
138	Direct numerical simulation of turbulent flows in a wall-normal rotating channel. <i>Journal of Turbulence</i> , 2005, 6, N34.	0.5	4
139	Non-normal effect of the velocity gradient tensor and the relevant subgrid-scale model in compressible turbulent boundary layer. <i>Physics of Fluids</i> , 2021, 33, .	1.6	4
140	High-fidelity robust and efficient finite difference algorithm for simulation of polymer-induced turbulence in cylindrical coordinates. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2022, 307, 104875.	1.0	4
141	Numerical study of an oscillatory turbulent flow over a flat plate. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 1999, 15, 8-14.	1.5	3
142	Discontinuity-capturing finite element computation of unsteady flow with adaptive unstructured mesh. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2004, 20, 347-353.	1.5	3
143	Studies of hydrodynamics in fishlike swimming propulsion. <i>Journal of Hydrodynamics</i> , 2010, 22, 17-22.	1.3	3
144	Numerical Investigation of the Dynamics of a Flexible Filament in the Wake of Cylinder. <i>Advances in Applied Mathematics and Mechanics</i> , 2014, 6, 478-493.	0.7	3

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145	Studies of Hydrodynamics in Fishlike Swimming Propulsion. , 2008, , 143-154.		3
146	Scaling law of mixing layer in cylindrical Rayleigh-Taylor turbulence. Physical Review E, 2021, 104, 055104.	0.8	3
147	Investigation of nonlocal data-driven methods for subgrid-scale stress modeling in large eddy simulation. AIP Advances, 2022, 12, .	0.6	3
148	Vortex control by the spanwise suction flow on the upper surface of delta wing. Acta Mechanica Sinica/Lixue Xuebao, 1999, 15, 116-125.	1.5	2
149	Instability of the shear layer in the near wake of a circular cylinder*. Progress in Natural Science: Materials International, 2003, 13, 259-265.	1.8	2
150	Turbulent Open Channel Flow Subjected to the Control of a Spanwise Traveling Wave. Journal of Hydrodynamics, 2009, 21, 65-70.	1.3	2
151	Lattice Boltzmann Study of a Vortex Ring Impacting Spheroidal Particles. Advances in Applied Mathematics and Mechanics, 2014, 6, 461-477.	0.7	2
152	Statistical properties of pressure-Hessian tensor in a turbulent channel flow. Journal of Fluid Mechanics, 2022, 934, .	1.4	2
153	Large-eddy simulation of stratified channel flow. Acta Mechanica Sinica/Lixue Xuebao, 1997, 13, 331-338.	1.5	1
154	An investigation of thermally stratified turbulent channel flow with temperature oscillation on the bottom wall by large eddy simulation. Heat and Mass Transfer, 2004, 40, 919-928.	1.2	1
155	A NUMERICAL STUDY OF FLUID INJECTION AND MIXING UNDER NEAR-CRITICAL CONDITIONS. International Journal of Modern Physics Conference Series, 2012, 19, 39-49.	0.7	1
156	Large Eddy Simulation of a Vortex Ring Impacting a Bump. Advances in Applied Mathematics and Mechanics, 2014, 6, 261-280.	0.7	1
157	Effect of surfactants on the long-wave stability of two-layer oscillatory film flow. Journal of Fluid Mechanics, 2021, 928, .	1.4	1
158	Elliptical particle suspensions in Couette flow. Physical Review Fluids, 2022, 7, .	1.0	1
159	Numerical Investigation of the Coherent Structures and Sound Properties in Sonic Coaxial Jets. Advances in Applied Mathematics and Mechanics, 2017, 9, 554-573.	0.7	0
160	10.1063/5.0036231.1., 2021, , .		0