

Lu Xiyun

List of Publications by Year in descending order

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160
papers

4,270
citations

109264

35
h-index

143943

57
g-index

178
all docs

178
docs citations

178
times ranked

2575
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Journal of Fluid Mechanics</i> , 2022, 931, .	1.4	7
2	Statistical properties of pressure-Hessian tensor in a turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2022, 934, .	1.4	2
3	Intermittent swimming of two self-propelled flapping plates in tandem configuration. <i>Physics of Fluids</i> , 2022, 34, .	1.6	11
4	Nonlinear saturation of bubble evolution in a two-dimensional single-mode stratified compressible Rayleigh-Taylor instability. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	8
5	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
6	Elliptical particle suspensions in Couette flow. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	1
7	Deep-reinforcement-learning-based self-organization of freely undulatory swimmers. <i>Physical Review E</i> , 2022, 105, 045105.	0.8	11
8	Noise reduction mechanisms for insert-type serrations of the NACA-0012 airfoil. <i>Journal of Fluid Mechanics</i> , 2022, 941, .	1.4	8
9	Investigation of nonlocal data-driven methods for subgrid-scale stress modeling in large eddy simulation. <i>AIP Advances</i> , 2022, 12, .	0.6	3
10	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
11	Collective locomotion of two uncoordinated undulatory self-propelled foils. <i>Physics of Fluids</i> , 2021, 33, .	1.6	27
12	Rheology of capsule suspensions in plane Poiseuille flows. <i>Physics of Fluids</i> , 2021, 33, .	1.6	17
13	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
14	Constrained large-eddy simulation of turbulent flow over rough walls. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	5
15	Direct numerical simulation of inertio-elastic turbulent Taylor-Couette flow. <i>Journal of Fluid Mechanics</i> , 2021, 926, .	1.4	17
16	Interplay of chordwise stiffness and shape on performance of self-propelled flexible flapping plate. <i>Physics of Fluids</i> , 2021, 33, .	1.6	8
17	A reverse transition route from inertial to elasticity-dominated turbulence in viscoelastic Taylor-Couette flow. <i>Journal of Fluid Mechanics</i> , 2021, 927, .	1.4	12
18	10.1063/5.0036231.1. , 2021, , .		0

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19	Active external control effect on the collective locomotion of two tandem self-propelled flapping plates. <i>Physics of Fluids</i> , 2021, 33, .	1.6	11
20	Effect of surfactants on the long-wave stability of two-layer oscillatory film flow. <i>Journal of Fluid Mechanics</i> , 2021, 928, .	1.4	1
21	Scaling law of mixing layer in cylindrical Rayleigh-Taylor turbulence. <i>Physical Review E</i> , 2021, 104, 055104.	0.8	3
22	Kinetic energy and enstrophy transfer in compressible Rayleigh-Taylor turbulence. <i>Journal of Fluid Mechanics</i> , 2020, 904, .	1.4	20
23	Noise control of subsonic flow past open cavities based on porous floors. <i>Physics of Fluids</i> , 2020, 32, .	1.6	20
24	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
25	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
26	Polymer-induced flow relaminarization and drag enhancement in spanwise-rotating plane Couette flow. <i>Journal of Fluid Mechanics</i> , 2020, 905, .	1.4	11
27	Optimal chordwise stiffness distribution for self-propelled heaving flexible plates. <i>Physics of Fluids</i> , 2020, 32, .	1.6	20
28	Hydrodynamic benefits of intermittent locomotion of a self-propelled flapping plate. <i>Physical Review E</i> , 2020, 102, 053106.	0.8	10
29	Numerical study of droplet impact on a flexible substrate. <i>Physical Review E</i> , 2020, 101, 053107.	0.8	13
30	Molecular Dynamics Study of Binary Nanodroplet Evaporation on a Heated Homogeneous Substrate. <i>Langmuir</i> , 2020, 36, 3439-3451.	1.6	6
31	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
32	Subgrid effects on the filtered velocity gradient dynamics in compressible turbulence. <i>Journal of Fluid Mechanics</i> , 2020, 892, .	1.4	8
33	A study of longitudinal processes and interactions in compressible viscous flows. <i>Journal of Fluid Mechanics</i> , 2020, 893, .	1.4	10
34	Topological evolution near the turbulent/non-turbulent interface in turbulent mixing layer. <i>Journal of Turbulence</i> , 2019, 20, 300-321.	0.5	9
35	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
36	Self-propelled plate in wakes behind tandem cylinders. <i>Physical Review E</i> , 2019, 100, 033114.	0.8	5

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37	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
38	Forced dewetting in a capillary tube. <i>Journal of Fluid Mechanics</i> , 2019, 859, 308-320.	1.4	12
39	Entrapping an impacting particle at a liquid-gas interface. <i>Journal of Fluid Mechanics</i> , 2018, 841, 1073-1084.	1.4	24
40	Coupling performance of tandem flexible inverted flags in a uniform flow. <i>Journal of Fluid Mechanics</i> , 2018, 837, 461-476.	1.4	52
41	Ratchet mechanism of drops climbing a vibrated oblique plate. <i>Journal of Fluid Mechanics</i> , 2018, 835, .	1.4	20
42	Unsteady shock interactions on V-shaped blunt leading edges. <i>Physics of Fluids</i> , 2018, 30, .	1.6	8
43	Collective locomotion of two self-propelled flapping plates with different propulsive capacities. <i>Physics of Fluids</i> , 2018, 30, .	1.6	24
44	On the maximal spreading of impacting compound drops. <i>Journal of Fluid Mechanics</i> , 2018, 854, .	1.4	42
45	Hydrodynamic schooling of multiple self-propelled flapping plates. <i>Journal of Fluid Mechanics</i> , 2018, 853, 587-600.	1.4	40
46	Collective locomotion of two closely spaced self-propelled flapping plates. <i>Journal of Fluid Mechanics</i> , 2018, 849, 1068-1095.	1.4	58
47	Large-eddy simulation of sonic coaxial jets with different total pressure ratios of the inner to outer nozzle. <i>Computers and Fluids</i> , 2018, 171, 122-134.	1.3	6
48	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
49	The Motion of a Neutrally Buoyant Ellipsoid Inside Square Tube Flows. <i>Advances in Applied Mathematics and Mechanics</i> , 2017, 9, 233-249.	0.7	8
50	Numerical Investigation of the Coherent Structures and Sound Properties in Sonic Coaxial Jets. <i>Advances in Applied Mathematics and Mechanics</i> , 2017, 9, 554-573.	0.7	0
51	Refraction of cylindrical converging shock wave at an air/helium gaseous interface. <i>Physics of Fluids</i> , 2017, 29, .	1.6	18
52	Two tandem flexible loops in a viscous flow. <i>Physics of Fluids</i> , 2017, 29, .	1.6	21
53	Manipulation of three-dimensional Richtmyer-Meshkov instability by initial interfacial principal curvatures. <i>Physics of Fluids</i> , 2017, 29, .	1.6	14
54	Free locomotion of a flexible plate near the ground. <i>Physics of Fluids</i> , 2017, 29, .	1.6	27

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55	An ellipsoidal particle in tube Poiseuille flow. <i>Journal of Fluid Mechanics</i> , 2017, 822, 664-688.	1.4	29
56	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
57	A specially curved wedge for eliminating wedge angle effect in unsteady shock reflection. <i>Physics of Fluids</i> , 2017, 29, 086103.	1.6	13
58	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
59	A deformable plate interacting with a non-Newtonian fluid in three dimensions. <i>Physics of Fluids</i> , 2017, 29, .	1.6	20
60	Dynamics of drop impact onto a solid sphere: spreading and retraction. <i>Journal of Fluid Mechanics</i> , 2017, 824, .	1.4	51
61	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
62	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
63	Self-propulsion of a flapping flexible plate near the ground. <i>Physical Review E</i> , 2016, 94, 033113.	0.8	23
64	Large-eddy simulation of a pulsed jet into a supersonic crossflow. <i>Computers and Fluids</i> , 2016, 140, 320-333.	1.3	40
65	Reflection of cylindrical converging shock wave over a plane wedge. <i>Physics of Fluids</i> , 2016, 28, 086101.	1.6	8
66	Self-propulsion of a three-dimensional flapping flexible plate. <i>Journal of Hydrodynamics</i> , 2016, 28, 1-9.	1.3	16
67	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
68	Sedimentation of an oblate ellipsoid in narrow tubes. <i>Physical Review E</i> , 2015, 92, 063009.	0.8	20
69	Dynamics of an inverted flexible plate in a uniform flow. <i>Physics of Fluids</i> , 2015, 27, .	1.6	74
70	Dynamics and Instability of a Vortex Ring Impinging on a Wall. <i>Communications in Computational Physics</i> , 2015, 18, 1122-1146.	0.7	8
71	Direct numerical simulation of Taylor-Couette flow subjected to a radial temperature gradient. <i>Physics of Fluids</i> , 2015, 27, .	1.6	20
72	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

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73	Dewetting films with inclined contact lines. <i>Physical Review E</i> , 2015, 91, 023008.	0.8	9
74	Propulsive performance of a passively flapping plate in a uniform flow. <i>Journal of Hydrodynamics</i> , 2015, 27, 496-501.	1.3	6
75	Dynamic performance and wake structure of flapping plates with different shapes. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2014, 30, 800-808.	1.5	8
76	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
77	Dynamics of fluid flow over a circular flexible plate. <i>Journal of Fluid Mechanics</i> , 2014, 759, 56-72.	1.4	48
78	Length effects of a built-in flapping flat plate on the flow over a traveling wavy foil. <i>Physical Review E</i> , 2014, 89, 063019.	0.8	6
79	Sedimentation of an ellipsoidal particle in narrow tubes. <i>Physics of Fluids</i> , 2014, 26, .	1.6	60
80	Large Eddy Simulation of a Vortex Ring Impacting a Bump. <i>Advances in Applied Mathematics and Mechanics</i> , 2014, 6, 261-280.	0.7	1
81	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
82	Lattice Boltzmann Study of a Vortex Ring Impacting Spheroidal Particles. <i>Advances in Applied Mathematics and Mechanics</i> , 2014, 6, 461-477.	0.7	2
83	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
84	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
85	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
86	Topological evolution in compressible turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2013, 733, 414-438.	1.4	32
87	Locomotion of a flapping flexible plate. <i>Physics of Fluids</i> , 2013, 25, .	1.6	104
88	On the wetting dynamics in a Couette flow. <i>Journal of Fluid Mechanics</i> , 2013, 724, .	1.4	11
89	Effect of wall temperature on hypersonic turbulent boundary layer. <i>Journal of Turbulence</i> , 2013, 14, 37-57.	0.5	32
90	A NUMERICAL STUDY OF FLUID INJECTION AND MIXING UNDER NEAR-CRITICAL CONDITIONS. <i>International Journal of Modern Physics Conference Series</i> , 2012, 19, 39-49.	0.7	1

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91	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
92	Force and power of flapping plates in a fluid. <i>Journal of Fluid Mechanics</i> , 2012, 712, 598-613.	1.4	67
93	Shear viscosity of dilute suspensions of ellipsoidal particles with a lattice Boltzmann method. <i>Physical Review E</i> , 2012, 86, 046305.	0.8	18
94	Numerical Studies on Locomotion Performance of Fishlike Tail Fins. <i>Journal of Hydrodynamics</i> , 2012, 24, 488-495.	1.3	29
95	Rotation of spheroidal particles in Couette flows. <i>Journal of Fluid Mechanics</i> , 2012, 692, 369-394.	1.4	98
96	Flow topology in compressible turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , 2012, 703, 255-278.	1.4	67
97	Characteristics of unsteady type IV shock/shock interaction. <i>Shock Waves</i> , 2012, 22, 225-235.	1.0	16
98	A numerical study of fluid injection and mixing under near-critical conditions. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2012, 28, 559-571.	1.5	6
99	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
100	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
101	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
102	Direct Numerical Simulations of Turbulent Channel Flows with Consideration of the Buoyancy Effect of the Bubble Phase. <i>Journal of Hydrodynamics</i> , 2011, 23, 282-288.	1.3	8
103	Coupling modes of three filaments in side-by-side arrangement. <i>Physics of Fluids</i> , 2011, 23, .	1.6	74
104	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
105	Computational Study of Drag Reduction at Various Freestream Flows Using a Counterflow Jet from a Hemispherical Cylinder. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2010, 4, 150-163.	1.5	9
106	Numerical investigation of the compressible flow past an aerofoil. <i>Journal of Fluid Mechanics</i> , 2010, 643, 97-126.	1.4	76
107	Locomotion of a passively flapping flat plate. <i>Journal of Fluid Mechanics</i> , 2010, 659, 43-68.	1.4	104
108	Large-eddy simulation of the compressible flow past a wavy cylinder. <i>Journal of Fluid Mechanics</i> , 2010, 665, 238-273.	1.4	105

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109	Studies of hydrodynamics in fishlike swimming propulsion. Journal of Hydrodynamics, 2010, 22, 17-22.	1.3	3
110	LARGE-EDDY SIMULATION OF OPPOSING-JET-PERTURBED SUPERSONIC FLOWS PAST A HEMISPHERICAL NOSE. Modern Physics Letters B, 2010, 24, 1287-1290.	1.0	5
111	Relative permeabilities and coupling effects in steady-state gas-liquid flow in porous media: A lattice Boltzmann study. Physics of Fluids, 2009, 21, .	1.6	121
112	Shan&Chen&type multiphase lattice Boltzmann study of viscous coupling effects for two&phase flow in porous media. International Journal for Numerical Methods in Fluids, 2009, 61, 341-354.	0.9	109
113	Effect of Mach number on transonic flow past a circular cylinder. Science Bulletin, 2009, 54, 1886-1893.	4.3	22
114	Effects of injection temperature on the jet evolution under supercritical conditions. Science Bulletin, 2009, 54, 4197-4204.	1.7	12
115	Turbulent Open Channel Flow Subjected to the Control of a Spanwise Traveling Wave. Journal of Hydrodynamics, 2009, 21, 65-70.	1.3	2
116	SIMULATION OF GAS FLOW IN MICROTUBES BY LATTICE BOLTZMANN METHOD. International Journal of Modern Physics C, 2009, 20, 1145-1153.	0.8	5
117	Numerical Analysis of the Ground Effect on Insect Hovering. Journal of Hydrodynamics, 2008, 20, 17-22.	1.3	15
118	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
119	Instability of an oscillatory fluid layer with insoluble surfactants. Journal of Fluid Mechanics, 2008, 595, 461-490.	1.4	11
120	Insect normal hovering flight in ground effect. Physics of Fluids, 2008, 20, .	1.6	95
121	Mechanism of the long-wave inertialess instability of a two-layer film flow. Journal of Fluid Mechanics, 2008, 608, 379-391.	1.4	16
122	Studies of Hydrodynamics in Fishlike Swimming Propulsion. , 2008, , 143-154.		3
123	Characteristics of flow over traveling wavy foils in a side-by-side arrangement. Physics of Fluids, 2007, 19, 057107.	1.6	142
124	Effect of surfactants on the inertialess instability of a two-layer film flow. Journal of Fluid Mechanics, 2007, 591, 495-507.	1.4	24
125	Integral force acting on a body due to local flow structures. Journal of Fluid Mechanics, 2007, 576, 265-286.	1.4	146
126	Direct numerical simulation of spanwise rotating turbulent channel flow with heat transfer. International Journal for Numerical Methods in Fluids, 2007, 53, 1689-1706.	0.9	24

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127	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
128	Analysis of Hydrodynamics for Two-Dimensional Flow Around Waving Plates. <i>Journal of Hydrodynamics</i> , 2007, 19, 18-22.	1.3	8
129	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
130	A numerical investigation of turbulent flows in a spanwise rotating channel. <i>Computers and Fluids</i> , 2007, 36, 282-298.	1.3	16
131	Effect of surfactants on the long-wave stability of oscillatory film flow. <i>Journal of Fluid Mechanics</i> , 2006, 562, 345.	1.4	15
132	Effects of wall suction/injection on the linear stability of flat Stokes layers. <i>Journal of Fluid Mechanics</i> , 2006, 551, 303.	1.4	7
133	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
134	An investigation of pulsating turbulent open channel flow by large eddy simulation. <i>Computers and Fluids</i> , 2006, 35, 74-102.	1.3	10
135	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
136	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
137	Propulsive performance of a fish-like travelling wavy wall. <i>Acta Mechanica</i> , 2005, 175, 197-215.	1.1	36
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	Hydrodynamic analysis of C-start in Crucian Carp. <i>Journal of Bionic Engineering</i> , 2004, 1, 102-107.	2.7	9
140	Hydrodynamic analysis of C-start in Crucian Carp. <i>Journal of Bionic Engineering</i> , 2004, 1, 102-107.	2.7	4
141	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
142	Numerical simulation of drop migration in channel flow under zero-gravity. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2004, 20, 199-205.	1.5	4
143	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
144	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

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145	An investigation of thermally stratified turbulent channel flow with temperature oscillation on the bottom wall by large eddy simulation. <i>Heat and Mass Transfer</i> , 2004, 40, 919-928.	1.2	1
146	Numerical simulation of drop Marangoni migration under microgravity. <i>Acta Astronautica</i> , 2004, 54, 325-335.	1.7	24
147	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
148	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
149	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
150	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
151	Propulsive performance and vortex shedding of a foil in flapping flight. <i>Acta Mechanica</i> , 2003, 165, 189-206.	1.1	27
152	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
153	Instability of the shear layer in the near wake of a circular cylinder*. <i>Progress in Natural Science: Materials International</i> , 2003, 13, 259-265.	1.8	2
154	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
155	A dynamic subgrid-scale model for the large eddy simulation of stratified flow. <i>Science in China Series A: Mathematics</i> , 2000, 43, 391-399.	0.5	10
156	Vortex control by the spanwise suction flow on the upper surface of delta wing. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 1999, 15, 116-125.	1.5	2
157	Numerical study of natural convection flow in a vertical slot. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 1999, 15, 215-224.	1.5	4
158	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
159	Numerical study of buoyancy- and thermocapillary-driven flows in a cavity. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 1998, 14, 130-138.	1.5	9
160	Large-eddy simulation of stratified channel flow. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 1997, 13, 331-338.	1.5	1