

Feng-Chen Li

List of Publications by Year in descending order

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187
papers

3,058
citations

196777

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187
docs citations

187
times ranked

2468
citing authors

#	ARTICLE	IF	CITATIONS
1	A Numerical Study on Heat Transfer Performance in a Straight Microchannel Heat Sink with Standing Surface Acoustic Waves. <i>Heat Transfer Engineering</i> , 2022, 43, 371-387.	1.2	4
2	Experimental study on the characteristics of temperature dependent surface/interfacial properties of a non-ionic surfactant aqueous solution at quasi-thermal equilibrium condition. <i>International Journal of Heat and Mass Transfer</i> , 2022, 182, 122003.	2.5	7
3	Thermal hydraulic characteristics of spiral cross rod bundles in a lead-bismuth-cooled fast reactor. <i>Annals of Nuclear Energy</i> , 2022, 167, 108850.	0.9	3
4	Repicturing viscoelastic drag-reducing turbulence by introducing dynamics of elasto-inertial turbulence. <i>Journal of Fluid Mechanics</i> , 2022, 940, .	1.4	7
5	Numerical study on heat transfer enhancement by viscoelastic fluid pulsating laminar flow in rectangular microchannel heat sinks. <i>Applied Thermal Engineering</i> , 2022, 213, 118734.	3.0	8
6	Anthropogenic tritium: Inventory, discharge, environmental behavior and health effects. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110188.	8.2	36
7	Additional radiation dose due to atmospheric dispersion of tritium evaporated from a hypothetical reservoir. <i>Applied Radiation and Isotopes</i> , 2021, 167, 109475.	0.7	4
8	Investigation into the outlying swirl instability in the hydro-turbine draft tube under part-load operation. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2021, 235, 139-153.	0.8	3
9	Generation and Dynamics of Janus Droplets in Shear-Thinning Fluid Flow in a Double Y-Type Microchannel. <i>Micromachines</i> , 2021, 12, 149.	1.4	8
10	Comparative study on numerical performances of log-conformation representation and standard conformation representation in the simulation of viscoelastic fluid turbulent drag-reducing channel flow. <i>Physics of Fluids</i> , 2021, 33, 023101.	1.6	9
11	Numerical Investigation of T-Shaped Microfluidic Oscillator with Viscoelastic Fluid. <i>Micromachines</i> , 2021, 12, 477.	1.4	4
12	Experimental investigation of temperature effect on hydrodynamic characteristics of natural cavitation in rotational supercavitating evaporator for desalination. <i>Renewable Energy</i> , 2021, 174, 278-292.	4.3	6
13	Role of elasto-inertial turbulence in viscoelastic drag-reducing turbulence. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10
14	On the mechanisms of sheet-like extension structures formation and self-sustaining process in elasto-inertial turbulence. <i>Physics of Fluids</i> , 2021, 33, 085107.	1.6	8
15	Prediction method for thermal-hydraulic parameters of nuclear reactor system based on deep learning algorithm. <i>Applied Thermal Engineering</i> , 2021, 196, 117272.	3.0	10
16	Numerical study on morphological characteristics of rotational natural supercavitation by rotational supercavitating evaporator with optimized blade shape. <i>Journal of Hydrodynamics</i> , 2020, 32, 468-485.	1.3	2
17	Visualization of bubble mechanism of pulsating heat pipe with conventional working fluids and surfactant solution. <i>Experimental and Computational Multiphase Flow</i> , 2020, 2, 22-30.	1.9	12
18	Effect of metal honeycomb structure on enhancing CHF in saturated downward-facing flow boiling. <i>International Journal of Heat and Mass Transfer</i> , 2020, 149, 119244.	2.5	3

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19	Numerical Study on the Characteristics of Boger Type Viscoelastic Fluid Flow in a Micro Cross-Slot under Sinusoidal Stimulation. <i>Entropy</i> , 2020, 22, 64.	1.1	1
20	Vapor bubble bubble penetration during subcooled pool boiling in a nonionic surfactant aqueous solution. <i>International Journal of Heat and Mass Transfer</i> , 2020, 159, 120142.	2.5	2
21	Numerical study on tritium dispersion in coastal waters: The case of Hangzhou Bay, China. <i>Journal of Hydrology</i> , 2020, 590, 125532.	2.3	6
22	Comparison of turbulent drag reduction mechanisms of viscoelastic fluids based on the Fukagata-Iwamoto-Kasagi identity and the Renard-Deck identity. <i>Physics of Fluids</i> , 2020, 32, 013104.	1.6	16
23	Nonlinear effects of viscoelastic fluid flows and applications in microfluidics: A review. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 4390-4414.	1.1	12
24	Drag reduction characterizations of turbulent channel flow with surfactant additive by proper orthogonal decomposition and wavelet transform. <i>Korea Australia Rheology Journal</i> , 2020, 32, 1-14.	0.7	2
25	Influence of surface wettability increase induced by Gamma-ray irradiation on critical heat flux in downward-facing flow boiling. <i>Annals of Nuclear Energy</i> , 2020, 142, 107420.	0.9	1
26	Bubble behaviors during subcooled pool boiling in water and nonionic surfactant aqueous solution. <i>International Journal of Heat and Mass Transfer</i> , 2020, 159, 120087.	2.5	5
27	Metal material surface wettability increase induced by electron beam irradiation. <i>Applied Surface Science</i> , 2020, 511, 145555.	3.1	19
28	Runner blade number influencing RPT runner flow characteristics under off-design conditions. <i>Renewable Energy</i> , 2020, 152, 876-891.	4.3	11
29	Spatiotemporal Evolution of Rotational Natural Cavitation in Rotational Supercavitating Evaporator for Desalination. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020, 142, .	0.8	2
30	A state-of-the-art overview on the developing trend of heat transfer enhancement by single-phase flow at micro scale. <i>International Journal of Heat and Mass Transfer</i> , 2019, 143, 118476.	2.5	47
31	Runner Blade Number Influencing the RPT Runner Upstream Flow Characteristics: A CFD Numerical Simulation. , 2019, , .		0
32	An Abundant and Renewable Potential Energy Source: Harvestable Energy under Vehicle Wheels. <i>Global Challenges</i> , 2019, 3, 1800096.	1.8	1
33	Modulation of viscoelastic fluid response to external body force. <i>Scientific Reports</i> , 2019, 9, 9402.	1.6	6
34	Steady laminar plume generated from a heated line in polymer solutions. <i>Physics of Fluids</i> , 2019, 31, .	1.6	9
35	Investigation on reversible pump turbine flow structures and associated pressure field characteristics under different guide vane openings. <i>Science China Technological Sciences</i> , 2019, 62, 2052-2074.	2.0	14
36	The polymer effect on turbulent Rayleigh-Bénard convection based on PIV experiments. <i>Experimental Thermal and Fluid Science</i> , 2019, 103, 214-221.	1.5	11

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37	Experimental Study of the Effect of Splitter Blades on the Performance Characteristics of Francis Turbines. <i>Energies</i> , 2019, 12, 1676.	1.6	7
38	Inclusion of liquid radioactive waste into a cement compound with an additive of multilayer carbon nanotubes. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 227, 052030.	0.2	2
39	Insights into fuel start-up and self-sufficiency for fusion energy: The case of <sc>CFETR</sc>. <i>Energy Science and Engineering</i> , 2019, 7, 457-468.	1.9	10
40	Comparison of Micro-Mixing in Time Pulsed Newtonian Fluid and Viscoelastic Fluid. <i>Micromachines</i> , 2019, 10, 262.	1.4	16
41	Numerical study on the dynamic process of single plume flow in thermal convection with polymers. <i>Physics of Fluids</i> , 2019, 31, 023105.	1.6	11
42	Preliminary environmental radiation considerations for CFETR. <i>Fusion Engineering and Design</i> , 2019, 140, 16-22.	1.0	11
43	Analysis on Internal Flow Characteristics of Tubular Turbine Draft Tube. , 2019, , .		0
44	Application of Vortex Dynamics Diagnosis in Numerical Simulation of Tubular Turbine. , 2019, , .		0
45	Experimental and LBM simulation study on the effect of bubbles merging on flow boiling. <i>International Journal of Heat and Mass Transfer</i> , 2019, 132, 1053-1061.	2.5	19
46	Numerical study on the effect of steam extraction on hydrodynamic characteristics of rotational supercavitating evaporator for desalination. <i>Desalination</i> , 2019, 455, 1-18.	4.0	5
47	Insights into potential consequences of fusion hypothetical accident, lessons learnt from the former fission accidents. <i>Environmental Pollution</i> , 2019, 245, 921-931.	3.7	13
48	Miscible density-driven flows in heterogeneous porous media: Influences of correlation length and distribution of permeability. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	14
49	Heat transfer and CHF in subcooled flow boiling of aqueous surfactant solutions. <i>Experimental Thermal and Fluid Science</i> , 2018, 93, 131-138.	1.5	7
50	Dynamic control of particle separation in deterministic lateral displacement separator with viscoelastic fluids. <i>Scientific Reports</i> , 2018, 8, 3618.	1.6	37
51	Numerical study on the pulsating effect on heat transfer performance of pseudo-plastic fluid flow in a manifold microchannel heat sink. <i>Applied Thermal Engineering</i> , 2018, 129, 1092-1105.	3.0	28
52	Experimental study on rheological and thermophysical properties of seawater with surfactant additive – Part II: Surface tension and thermal conductivity. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 1367-1379.	2.5	6
53	An experimental investigation of thermal performance of pulsating heat pipe with alcohols and surfactant solutions. <i>International Journal of Heat and Mass Transfer</i> , 2018, 117, 1032-1040.	2.5	59
54	Lift-Generation and Moving-Wall Flow Control Over a Low Aspect Ratio Airfoil. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018, 140, .	0.8	5

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55	RPT Runner Flow Structures Dependence on Guide Vane Opening Angle: A CFD Numerical Simulation. IOP Conference Series: Earth and Environmental Science, 2018, 192, 012044.	0.2	1
56	High Mixing Efficiency by Modulating Inlet Frequency of Viscoelastic Fluid in Simplified Pore Structure. Processes, 2018, 6, 210.	1.3	6
57	An efficient micro-mixer by elastic instabilities of viscoelastic fluids: Mixing performance and mechanistic analysis. International Journal of Heat and Fluid Flow, 2018, 74, 130-143.	1.1	16
58	Numerical Analysis of Effects of Surface Tension and Viscosity on 3 Dimensional Pulsating Heat Pipe. , 2018, , .		0
59	An overview on the developing trend of pulsating heat pipe and its performance. Applied Thermal Engineering, 2018, 141, 305-332.	3.0	114
60	Experimental study on rheological and thermophysical properties of seawater with surfactant additive"part I: rheological properties. Rheologica Acta, 2018, 57, 619-633.	1.1	2
61	The effect of surfactant solutions on flow structures in turbulent Rayleigh-Benard convection. Thermal Science, 2018, 22, 507-515.	0.5	5
62	NUMERICAL SIMULATION OF PULSATING HEAT PIPE WITH SURFACTANT SOLUTIONS. , 2018, , .		0
63	PALLIATIVE COUNTERMEASURES FOR THE DRAFT TUBE SURGE IN HYDROPOWER PLANTS: A state-of-the art review.. , 2018, , .		0
64	ELASTIC STRESS ACTS ON ELASTIC TURBULENCE OF VISCOELASTIC FLUID FLOW IN CURVY MICROCHANNEL. , 2018, , .		1
65	Efficient heat transfer enhancement by elastic turbulence with polymer solution in a curved microchannel. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	27
66	Numerical simulation of heat transfer enhancement by elastic turbulence in a curvy channel. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	14
67	Numerical study on secondary flows of viscoelastic fluids in straight ducts: Origin analysis and parametric effects. Computers and Fluids, 2017, 152, 57-73.	1.3	18
68	Numerical Simulation of Heat Transfer Process of Viscoelastic Fluid Flow at High Weissenberg Number by Log-Conformation Reformulation. Journal of Fluids Engineering, Transactions of the ASME, 2017, 139, .	0.8	12
69	Wavelet analysis on the drag-reducing characteristics of turbulent channel flow with surfactant additive based on experimental data. Canadian Journal of Physics, 2017, 95, 1115-1121.	0.4	1
70	Experimental study on two oscillating grid turbulence with viscoelastic fluids based on PIV. Canadian Journal of Physics, 2017, 95, 1271-1277.	0.4	2
71	Investigation on pump as turbine (PAT) technical aspects for micro hydropower schemes: A state-of-the-art review. Renewable and Sustainable Energy Reviews, 2017, 79, 148-179.	8.2	136
72	Study on Vortex Structures and Intermittency in Two-Oscillating Grid Turbulence With Viscoelastic Fluids Based on Wavelet Analysis. , 2017, , .		0

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73	Tunable Polarization Conversion and Rotation based on a Reconfigurable Metasurface. Scientific Reports, 2017, 7, 12068.	1.6	40
74	A method for analysis of head cover deformation and vibration amplitude in Francis hydro-turbine system by combination of CFD and FEA. Journal of Mechanical Science and Technology, 2017, 31, 4255-4266.	0.7	8
75	Experimental study on the characteristics of CHF and pressure fluctuations of surfactant solution flow boiling. International Journal of Heat and Mass Transfer, 2017, 115, 1004-1010.	2.5	5
76	Effect of polymer additives on heat transport and large-scale circulation in turbulent Rayleigh-Bénard convection. Physical Review E, 2017, 96, 013111.	0.8	21
77	Numerical study on axisymmetric ventilated supercavitation influenced by drag-reduction additives. International Journal of Heat and Mass Transfer, 2017, 115, 62-76.	2.5	16
78	Numerical Study on the Characteristics of Natural Supercavitation by Planar Symmetric Cavitators With Streamlined Headforms. , 2017, , .		0
79	Numerical study on the heat transfer performance of non-Newtonian fluid flow in a manifold microchannel heat sink. Applied Thermal Engineering, 2017, 115, 1213-1225.	3.0	43
80	A mixed subgrid-scale model based on ICSM and TADM for LES of surfactant-induced drag-reduction in turbulent channel flow. Applied Thermal Engineering, 2017, 115, 1322-1329.	3.0	4
81	Numerical Study on Ventilated Cavitation Influenced by Injection of Drag-Reducing Solution. , 2017, , .		0
82	Wavelet analysis of coherent structures and intermittency in forced homogeneous isotropic turbulence with polymer additives. Advances in Mechanical Engineering, 2017, 9, 168781401773772.	0.8	1
83	Deformability-Based Electrokinetic Particle Separation. Micromachines, 2016, 7, 170.	1.4	17
84	Measurement of Viscoelastic Fluid Flow in the Curved Microchannel Using Digital Holographic Microscope and Polarized Camera. Journal of Fluids Engineering, Transactions of the ASME, 2016, 138, .	0.8	8
85	Study on the Characteristics of Rayleigh-Benard Convection With Viscoelastic Fluids. , 2016, , .		0
86	Experimental Study on the Drag-Reducing Characteristics in Two-Oscillating Grid Turbulence With Polymer Additives. , 2016, , .		0
87	Chaotic dynamic characteristics of pressure fluctuation signals in hydro-turbine. Journal of Mechanical Science and Technology, 2016, 30, 5009-5017.	0.7	12
88	Research on the Threshold of Flow State of Viscous Fluids Based on Chaotic Dynamics. , 2016, , .		0
89	Effect of Carbon Powder on the Fluid Properties of PAM Solution. , 2016, , .		0
90	Numerical study on the transient behavior of water-entry supercavitating flow around a cylindrical projectile influenced by turbulent drag-reducing additives. Applied Thermal Engineering, 2016, 104, 450-460.	3.0	21

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91	Measuring heat transfer performance of viscoelastic fluid flow in curved microchannel using Tiâ€“Pt film temperature sensor. <i>Experimental Thermal and Fluid Science</i> , 2016, 77, 226-233.	1.5	18
92	Characteristics and generation of elastic turbulence in a three-dimensional parallel plate channel using direct numerical simulation. <i>Chinese Physics B</i> , 2016, 25, 094701.	0.7	4
93	Numerical study on evolution of axisymmetric natural supercavitation influenced by turbulent drag-reducing additives. <i>Applied Thermal Engineering</i> , 2016, 107, 797-803.	3.0	14
94	Effects of Surfactant Additives on Flow Characteristics at Different Wall-Normal Locations in Turbulent Channel Flow. , 2016, , .		0
95	Proper orthogonal decomposition analysis for two-oscillating grid turbulence with viscoelastic fluids. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401667977.	0.8	6
96	Bubble explosion in pool boiling around a heated wire in surfactant solution. <i>International Journal of Heat and Mass Transfer</i> , 2016, 99, 569-575.	2.5	32
97	On the mechanism of boiling heat transfer enhancement by surfactant addition. <i>International Journal of Heat and Mass Transfer</i> , 2016, 101, 800-806.	2.5	43
98	CFD simulation of a four-loop PWR at asymmetric operation conditions. <i>Nuclear Engineering and Design</i> , 2016, 300, 591-600.	0.8	11
99	Measuring elasticity-induced unstable flow structures in a curved microchannel using confocal micro particle image velocimetry. <i>Experimental Thermal and Fluid Science</i> , 2016, 75, 118-128.	1.5	10
100	State-of-the-art of R&D on seawater desalination technology. <i>Chinese Science Bulletin</i> , 2016, 61, 2344-2370.	0.4	13
101	On the 3D Structure of Elasticity-Induced Unstable Flow in the Curved Microchannel by Using Confocal Micro-PIV and Polarized Camera. , 2015, , .		0
102	Measurement of 3D Flow Structure of Viscoelastic Fluid Using Digital Holographic Microscope. , 2015, , .		0
103	Advances in Turbulent Drag Reduction. <i>Advances in Mechanical Engineering</i> , 2015, 7, 862424.	0.8	0
104	Numerical study on the characteristics of natural supercavitation by planar symmetric wedge-shaped cavitators for rotational supercavitating evaporator. <i>Science China Technological Sciences</i> , 2015, 58, 1072-1083.	2.0	9
105	Experimental and Numerical Study on the Droplet Formation in a Cross-Flow Microchannel. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2964-2969.	0.9	2
106	Direct numerical simulation of viscoelastic-fluid-based nanofluid turbulent channel flow with heat transfer. <i>Chinese Physics B</i> , 2015, 24, 084401.	0.7	9
107	Research on the License Plate Recognition Based on Image Processing. , 2015, , .		4
108	Heat Transfer Enhancement of Elastic Turbulence in Curved Microchannel. , 2015, , .		1

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109	Analysis of heat transfer performance for turbulent viscoelastic fluid-based nanofluid using field synergy principle. <i>Science China Technological Sciences</i> , 2015, 58, 1137-1145.	2.0	3
110	Numerical simulation of dynamic flow characteristics in a centrifugal water pump with three-vaned diffuser. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401559848.	0.8	5
111	Experimental study on the characteristics of ventilated cavitation around an underwater navigating body influenced by turbulent drag-reducing additives. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015, 58, 1.	2.0	1
112	A new mixed subgrid-scale model for large eddy simulation of turbulent drag-reducing flows of viscoelastic fluids. <i>Chinese Physics B</i> , 2015, 24, 074701.	0.7	7
113	Theoretical and experimental study on the acoustic wave energy after the nonlinear interaction of acoustic waves in aqueous media. <i>China Ocean Engineering</i> , 2015, 29, 611-621.	0.6	5
114	Dynamics of viscoelastic fluid droplet under very low interfacial tension in a serpentine T-junction microchannel. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 1007-1021.	1.0	16
115	Heat Transfer Performance Of Viscoelastic-Fluid-Based Nanofluid Pipe Flow At Entrance Region. <i>Experimental Heat Transfer</i> , 2015, 28, 125-138.	2.3	11
116	Numerical study of the characteristics of supercavitation on a cone in a stationary evaporator. <i>Desalination and Water Treatment</i> , 2014, 52, 7053-7064.	1.0	2
117	Reynolds-Averaged Simulation on Turbulent Drag-Reducing Flows of Viscoelastic Fluid Based on User-Defined Function in FLUENT Package. , 2014, , .		1
118	Experimental study on the performance of a rotational supercavitating evaporator for desalination. <i>Science China Technological Sciences</i> , 2014, 57, 2115-2130.	2.0	16
119	Modeling of rotational supercavitating evaporator and the geometrical characteristics of supercavity within. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 541-554.	2.0	9
120	RST model for turbulent flow and heat transfer mechanism in an outward convex corrugated tube. <i>Computers and Fluids</i> , 2014, 91, 107-129.	1.3	18
121	On the mechanism of convective heat transfer enhancement in a turbulent flow of nanofluid investigated by DNS and analyses of POD and FSP. <i>International Journal of Heat and Mass Transfer</i> , 2014, 78, 277-288.	2.5	14
122	Large-eddy simulations of a forced homogeneous isotropic turbulence with polymer additives. <i>Chinese Physics B</i> , 2014, 23, 034701.	0.7	10
123	Effect of blade perforation on Francis hydro-turbine cavitation characteristics. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014, 52, 412-420.	0.7	7
124	Effects of Polymer Additives on Intermittency in Forced Homogeneous Isotropic Turbulence. , 2014, , .		0
125	CFD Numerical Simulation of the Complex Turbulent Flow Field in an Axial-Flow Water Pump. <i>Advances in Mechanical Engineering</i> , 2014, 6, 521706.	0.8	8
126	Numerical Study of Natural Supercavitation Influenced by Rheological Properties of Turbulent Drag-Reducing Additives. <i>Advances in Mechanical Engineering</i> , 2014, 6, 275316.	0.8	6

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127	Numerical Study on the Characteristics of Pressure Fluctuations in an Axial-Flow Water Pump. <i>Advances in Mechanical Engineering</i> , 2014, 6, 565061.	0.8	10
128	Motion of Passive Scalar by Elasticity-Induced Instability in Curved Microchannel. <i>Advances in Mechanical Engineering</i> , 2014, 6, 734175.	0.8	4
129	The control system modeling of low-frequency acoustic energy to reduce. , 2014, , .		0
130	Experimental and Numerical Study of Water Entry Supercavity Influenced by Turbulent Drag-Reducing Additives. <i>Advances in Mechanical Engineering</i> , 2014, 6, 280643.	0.8	8
131	Experimental Investigation on the Characteristics of Hydrodynamic Stabilities in Francis Hydroturbine Models. <i>Advances in Mechanical Engineering</i> , 2014, 6, 486821.	0.8	9
132	On the Flow Instabilities and Turbulent Kinetic Energy of Large-Scale Francis Hydroturbine Model at Low Flow Rate Conditions. <i>Advances in Mechanical Engineering</i> , 2014, 6, 786891.	0.8	1
133	Investigation and control of vortex-induced vibration of twin box girders. <i>Journal of Fluids and Structures</i> , 2013, 39, 205-221.	1.5	85
134	Numerical simulation and rotor dynamic stability analysis on a large hydraulic turbine. <i>Computers and Fluids</i> , 2013, 88, 11-18.	1.3	6
135	Direct numerical simulation of elastic turbulence and its mixing-enhancement effect in a straight channel flow. <i>Chinese Physics B</i> , 2013, 22, 024703.	0.7	16
136	Numerical Simulation of Vortex-Induced Vibrations of Inclined Cables under Different Wind Profiles. <i>Journal of Bridge Engineering</i> , 2013, 18, 42-53.	1.4	20
137	Experimental study on the characteristics of heat transfer and flow resistance in turbulent pipe flows of viscoelastic-fluid-based Cu nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2013, 62, 303-313.	2.5	39
138	Large-scale water desalination methods: a review and new perspectives. <i>Desalination and Water Treatment</i> , 2013, 51, 2836-2849.	1.0	49
139	Experimental study on the characteristics of thermal conductivity and shear viscosity of viscoelastic-fluid-based nanofluids containing multiwalled carbon nanotubes. <i>Thermochimica Acta</i> , 2013, 556, 47-53.	1.2	73
140	Motion of Passive Particles Carried by Viscoelastic Fluid Flow in the Curvilinear Microchannel. , 2013, , .		0
141	Viscoelastic droplet dynamics under very low interfacial tension in a serpentine T-junction microchannel. , 2013, , .		0
142	Numerical study of natural supercavitation influenced by turbulent drag-reducing additives. , 2013, , .		0
143	Comparisons of LES and RANS Computations with PIV Experiments on a Cylindrical Cavity Flow. <i>Advances in Mechanical Engineering</i> , 2013, 5, 592940.	0.8	2
144	Modeling Asymmetric Flow of Viscoelastic Fluid in Symmetric Planar Sudden Expansion Geometry Based on User-Defined Function in FLUENT CFD Package. <i>Advances in Mechanical Engineering</i> , 2013, 5, 795937.	0.8	4

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145	The Polymer Effect on Nonlinear Processes in Decaying Homogeneous Isotropic Turbulence. <i>Advances in Mechanical Engineering</i> , 2013, 5, 921524.	0.8	0
146	A Purely Elastic Instability and Mixing Enhancement in a 3D Curvilinear Channel Flow. <i>Chinese Physics Letters</i> , 2012, 29, 094704.	1.3	9
147	Influence of polymer additives on turbulent energy cascading in forced homogeneous isotropic turbulence studied by direct numerical simulations. <i>Chinese Physics B</i> , 2012, 21, 114701.	0.7	25
148	Assessment of LES Performance in Simulating Complex 3D Flows in Turbo-Machines. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2012, 6, 356-365.	1.5	13
149	Status of "TITAN" Task 3 "Flow Control and Thermofluid Modeling". <i>Fusion Engineering and Design</i> , 2012, 87, 777-781.	1.0	5
150	Numerical study of flow and heat transfer characteristics in outward convex corrugated tubes. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 7782-7802.	2.5	64
151	Analysis of coherent structures in drag-reducing polymer solution flow based on proper orthogonal decomposition. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 854-860.	2.0	9
152	Study on the mechanism of droplet formation in T-junction microchannel. <i>Chemical Engineering Science</i> , 2012, 69, 340-351.	1.9	155
153	Very-low-Re chaotic motions of viscoelastic fluid and its unique applications in microfluidic devices: A review. <i>Experimental Thermal and Fluid Science</i> , 2012, 39, 1-16.	1.5	44
154	Experimental investigation on the thermal conductivity and shear viscosity of viscoelastic-fluid-based nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 3160-3166.	2.5	113
155	Development of Microbubble Generation Method. <i>Green Energy and Technology</i> , 2012, , 287-293.	0.4	1
156	POD study on the mechanism of turbulent drag reduction and heat transfer reduction based on Direct Numerical Simulation. <i>Progress in Computational Fluid Dynamics</i> , 2011, 11, 149.	0.1	15
157	DNS study by a bilayer model on the mechanism of heat transfer reduction in drag-reduced flow induced by surfactant. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 160-167.	2.9	9
158	Lattice Boltzmann simulation of alumina-water nanofluid in a square cavity. <i>Nanoscale Research Letters</i> , 2011, 6, 184.	3.1	58
159	Direct numerical simulation study of the interaction between the polymer effect and velocity gradient tensor in decaying homogeneous isotropic turbulence. <i>Chinese Physics B</i> , 2011, 20, 124702.	0.7	10
160	Natural Convection of Cu-Gallium Nanofluid in Enclosures. <i>Journal of Heat Transfer</i> , 2011, 133, .	1.2	27
161	CFD detection for inner flow and pressure fluctuation in a hydraulic tube. , 2011, , .		0
162	Turbulent Drag Reduction by Surfactant Additives. , 2011, , .		13

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163	On Relationships among the Aggregation Number, Rheological Property, and Turbulent Drag-Reducing Effect of Surfactant Solutions. <i>Advances in Mechanical Engineering</i> , 2011, 3, 345328.	0.8	6
164	Comparison Between Microbubble Drag Reduction and Viscoelastic Drag Reduction. <i>Green Energy and Technology</i> , 2011, , 223-232.	0.4	0
165	Experimental Study on the Characteristics of Weak Corrosive Surfactant Drag Reducer. , 2010, , .		0
166	An ultrasonic transmission thickness measurement system for study of water rivulets characteristics of stay cables suffering from windâ€™rain-induced vibration. <i>Sensors and Actuators A: Physical</i> , 2010, 159, 12-23.	2.0	45
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