

# Feng-Chen Li

## List of Publications by Year in descending order

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187  
papers

3,058  
citations

172457

29  
h-index

214800

47  
g-index

187  
all docs

187  
docs citations

187  
times ranked

2189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the mechanism of droplet formation in T-junction microchannel. <i>Chemical Engineering Science</i> , 2012, 69, 340-351.	3.8	155
2	Investigation on pump as turbine (PAT) technical aspects for micro hydropower schemes: A state-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 148-179.	16.4	136
3	An overview on the developing trend of pulsating heat pipe and its performance. <i>Applied Thermal Engineering</i> , 2018, 141, 305-332.	6.0	114
4	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.	4.8	113
5	Numerical and experimental investigation of turbulent characteristics in a drag-reducing flow with surfactant additives. <i>International Journal of Heat and Fluid Flow</i> , 2004, 25, 961-974.	2.4	105
6	Experimental study of drag-reduction mechanism for a dilute surfactant solution flow. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 835-843.	4.8	105
7	Investigation and control of vortex-induced vibration of twin box girders. <i>Journal of Fluids and Structures</i> , 2013, 39, 205-221.	3.4	85
8	A numerical and experimental hybrid approach for the investigation of aerodynamic forces on stay cables suffering from rain-wind induced vibration. <i>Journal of Fluids and Structures</i> , 2010, 26, 1195-1215.	3.4	73
9	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.	2.7	73
10	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.	4.8	64
11	Investigation of turbulence structures in a drag-reduced turbulent channel flow with surfactant additive by stereoscopic particle image velocimetry. <i>Experiments in Fluids</i> , 2006, 40, 218-230.	2.4	59
12	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.	4.8	59
13	Lattice Boltzmann simulation of alumina-water nanofluid in a square cavity. <i>Nanoscale Research Letters</i> , 2011, 6, 184.	5.7	58
14	Creation of very-low-Reynolds-number chaotic fluid motions in microchannels using viscoelastic surfactant solution. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 20-27.	2.7	51
15	Large-scale water desalination methods: a review and new perspectives. <i>Desalination and Water Treatment</i> , 2013, 51, 2836-2849.	1.0	49
16	DNS study of decaying homogeneous isotropic turbulence with polymer additives. <i>Journal of Fluid Mechanics</i> , 2010, 665, 334-356.	3.4	48
17	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.	4.8	47
18	An ultrasonic transmission thickness measurement system for study of water rivulets characteristics of stay cables suffering from wind-rain-induced vibration. <i>Sensors and Actuators A: Physical</i> , 2010, 159, 12-23.	4.1	45

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19	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.	2.7	44
20	Simultaneous measurements of velocity and temperature fluctuations in thermal boundary layer in a drag-reducing surfactant solution flow. <i>Experiments in Fluids</i> , 2004, 36, 131-140.	2.4	43
21	On the mechanism of boiling heat transfer enhancement by surfactant addition. <i>International Journal of Heat and Mass Transfer</i> , 2016, 101, 800-806.	4.8	43
22	Numerical study on the heat transfer performance of non-Newtonian fluid flow in a manifold microchannel heat sink. <i>Applied Thermal Engineering</i> , 2017, 115, 1213-1225.	6.0	43
23	Tunable Polarization Conversion and Rotation based on a Reconfigurable Metasurface. <i>Scientific Reports</i> , 2017, 7, 12068.	3.3	40
24	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.	4.8	39
25	Structural analysis of turbulent transport in a heated drag-reducing channel flow with surfactant additives. <i>International Journal of Heat and Mass Transfer</i> , 2005, 48, 965-973.	4.8	38
26	Drag-reducing and heat transfer characteristics of a novel zwitterionic surfactant solution. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 3547-3554.	4.8	37
27	Dynamic control of particle separation in deterministic lateral displacement separator with viscoelastic fluids. <i>Scientific Reports</i> , 2018, 8, 3618.	3.3	37
28	Anthropogenic tritium: Inventory, discharge, environmental behavior and health effects. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110188.	16.4	36
29	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.	4.8	32
30	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.	6.0	28
31	Natural Convection of Cu-Gallium Nanofluid in Enclosures. <i>Journal of Heat Transfer</i> , 2011, 133, .	2.1	27
32	Efficient heat transfer enhancement by elastic turbulence with polymer solution in a curved microchannel. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	27
33	MHD effect on flow structures and heat transfer characteristics of liquid metal-gas annular flow in a vertical pipe. <i>International Journal of Heat and Mass Transfer</i> , 2005, 48, 2571-2581.	4.8	26
34	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.	1.4	25
35	Numerical study on the transient behavior of water-entry supercavitating flow around a cylindrical projectile influenced by turbulent drag-reducing additives. <i>Applied Thermal Engineering</i> , 2016, 104, 450-460.	6.0	21
36	Effect of polymer additives on heat transport and large-scale circulation in turbulent Rayleigh-Bénard convection. <i>Physical Review E</i> , 2017, 96, 013111.	2.1	21

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37	Numerical Simulation of Vortex-Induced Vibrations of Inclined Cables under Different Wind Profiles. <i>Journal of Bridge Engineering</i> , 2013, 18, 42-53.	2.9	20
38	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.	4.8	19
39	Metal material surface wettability increase induced by electron beam irradiation. <i>Applied Surface Science</i> , 2020, 511, 145555.	6.1	19
40	RST model for turbulent flow and heat transfer mechanism in an outward convex corrugated tube. <i>Computers and Fluids</i> , 2014, 91, 107-129.	2.5	18
41	Measuring heat transfer performance of viscoelastic fluid flow in curved microchannel using Ti/Pt film temperature sensor. <i>Experimental Thermal and Fluid Science</i> , 2016, 77, 226-233.	2.7	18
42	Numerical study on secondary flows of viscoelastic fluids in straight ducts: Origin analysis and parametric effects. <i>Computers and Fluids</i> , 2017, 152, 57-73.	2.5	18
43	Deformability-Based Electrokinetic Particle Separation. <i>Micromachines</i> , 2016, 7, 170.	2.9	17
44	Experimental study on flow characteristics of a vertically falling film flow of liquid metal NaK in a transverse magnetic field. <i>Fusion Engineering and Design</i> , 2004, 70, 185-199.	1.9	16
45	Direct numerical simulation of elastic turbulence and its mixing-enhancement effect in a straight channel flow. <i>Chinese Physics B</i> , 2013, 22, 024703.	1.4	16
46	Experimental study on the performance of a rotational supercavitating evaporator for desalination. <i>Science China Technological Sciences</i> , 2014, 57, 2115-2130.	4.0	16
47	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.	2.2	16
48	Numerical study on axisymmetric ventilated supercavitation influenced by drag-reduction additives. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 62-76.	4.8	16
49	An efficient micro-mixer by elastic instabilities of viscoelastic fluids: Mixing performance and mechanistic analysis. <i>International Journal of Heat and Fluid Flow</i> , 2018, 74, 130-143.	2.4	16
50	Comparison of Micro-Mixing in Time Pulsed Newtonian Fluid and Viscoelastic Fluid. <i>Micromachines</i> , 2019, 10, 262.	2.9	16
51	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.	4.0	16
52	Chapter 3 Particle Image Velocimetry Techniques and its Applications in Multiphase Systems. <i>Advances in Chemical Engineering</i> , 2009, , 87-147.	0.9	15
53	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.	0.2	15
54	Swirling Flow of a Viscoelastic Fluid With Free Surface—Part I: Experimental Analysis of Vortex Motion by PIV. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2006, 128, 69-76.	1.5	14

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55	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.	4.8	14
56	Numerical study on evolution of axisymmetric natural supercavitation influenced by turbulent drag-reducing additives. <i>Applied Thermal Engineering</i> , 2016, 107, 797-803.	6.0	14
57	Numerical simulation of heat transfer enhancement by elastic turbulence in a curvy channel. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	14
58	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.	4.0	14
59	Miscible density-driven flows in heterogeneous porous media: Influences of correlation length and distribution of permeability. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	14
60	Simultaneous measurement of turbulent velocity field and surface wave amplitude in the initial stage of an open-channel flow by PIV. <i>Experiments in Fluids</i> , 2005, 39, 945-953.	2.4	13
61	Turbulent drag reduction by means of alternating suction and blowing jets. <i>Fluid Dynamics Research</i> , 2007, 39, 552-568.	1.3	13
62	Assessment of Les Performance in Simulating Complex 3D Flows in Turbo-Machines. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2012, 6, 356-365.	3.1	13
63	Insights into potential consequences of fusion hypothetical accident, lessons learnt from the former fission accidents. <i>Environmental Pollution</i> , 2019, 245, 921-931.	7.5	13
64	Turbulent Drag Reduction by Surfactant Additives. , 2011, , .		13
65	State-of-the-art of R&D on seawater desalination technology. <i>Chinese Science Bulletin</i> , 2016, 61, 2344-2370.	0.7	13
66	Chaotic dynamic characteristics of pressure fluctuation signals in hydro-turbine. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 5009-5017.	1.5	12
67	Numerical Simulation of Heat Transfer Process of Viscoelastic Fluid Flow at High Weissenberg Number by Log-Conformation Reformulation. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2017, 139, .	1.5	12
68	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.	3.9	12
69	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.	2.1	12
70	Experimental study on symmetry breaking in a swirling free-surface cylinder flow influenced by viscoelasticity. <i>Experimental Thermal and Fluid Science</i> , 2007, 31, 237-248.	2.7	11
71	Experimental study on swirling flow of dilute surfactant solution with deformed free-surface. <i>Experimental Thermal and Fluid Science</i> , 2008, 33, 161-168.	2.7	11
72	Heat Transfer Performance Of Viscoelastic-Fluid-Based Nanofluid Pipe Flow At Entrance Region. <i>Experimental Heat Transfer</i> , 2015, 28, 125-138.	3.2	11

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73	CFD simulation of a four-loop PWR at asymmetric operation conditions. Nuclear Engineering and Design, 2016, 300, 591-600.	1.7	11
74	The polymer effect on turbulent Rayleigh-Bénard convection based on PIV experiments. Experimental Thermal and Fluid Science, 2019, 103, 214-221.	2.7	11
75	Numerical study on the dynamic process of single plume flow in thermal convection with polymers. Physics of Fluids, 2019, 31, 023105.	4.0	11
76	Preliminary environmental radiation considerations for CFETR. Fusion Engineering and Design, 2019, 140, 16-22.	1.9	11
77	Runner blade number influencing RPT runner flow characteristics under off-design conditions. Renewable Energy, 2020, 152, 876-891.	8.9	11
78	Direct numerical simulation study of the interaction between the polymer effect and velocity gradient tensor in decaying homogeneous isotropic turbulence. Chinese Physics B, 2011, 20, 124702.	1.4	10
79	Large-eddy simulations of a forced homogeneous isotropic turbulence with polymer additives. Chinese Physics B, 2014, 23, 034701.	1.4	10
80	Numerical Study on the Characteristics of Pressure Fluctuations in an Axial-Flow Water Pump. Advances in Mechanical Engineering, 2014, 6, 565061.	1.6	10
81	Measuring elasticity-induced unstable flow structures in a curved microchannel using confocal micro particle image velocimetry. Experimental Thermal and Fluid Science, 2016, 75, 118-128.	2.7	10
82	Insights into fuel start-up and self-sufficiency for fusion energy: The case of CFETR. Energy Science and Engineering, 2019, 7, 457-468.	4.0	10
83	Role of elasto-inertial turbulence in viscoelastic drag-reducing turbulence. Physics of Fluids, 2021, 33, .	4.0	10
84	Prediction method for thermal-hydraulic parameters of nuclear reactor system based on deep learning algorithm. Applied Thermal Engineering, 2021, 196, 117272.	6.0	10
85	DNS study by a bilayer model on the mechanism of heat transfer reduction in drag-reduced flow induced by surfactant. International Communications in Heat and Mass Transfer, 2011, 38, 160-167.	5.6	9
86	A Purely Elastic Instability and Mixing Enhancement in a 3D Curvilinear Channel Flow. Chinese Physics Letters, 2012, 29, 094704.	3.3	9
87	Analysis of coherent structures in drag-reducing polymer solution flow based on proper orthogonal decomposition. Science China: Physics, Mechanics and Astronomy, 2012, 55, 854-860.	5.1	9
88	Modeling of rotational supercavitating evaporator and the geometrical characteristics of supercavity within. Science China: Physics, Mechanics and Astronomy, 2014, 57, 541-554.	5.1	9
89	Experimental Investigation on the Characteristics of Hydrodynamic Stabilities in Francis Hydroturbine Models. Advances in Mechanical Engineering, 2014, 6, 486821.	1.6	9
90	Numerical study on the characteristics of natural supercavitation by planar symmetric wedge-shaped cavitators for rotational supercavitating evaporator. Science China Technological Sciences, 2015, 58, 1072-1083.	4.0	9

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91	Direct numerical simulation of viscoelastic-fluid-based nanofluid turbulent channel flow with heat transfer. Chinese Physics B, 2015, 24, 084401.	1.4	9
92	Steady laminar plume generated from a heated line in polymer solutions. Physics of Fluids, 2019, 31, .	4.0	9
93	Comparative study on numerical performances of log-conformation representation and standard conformation representation in the simulation of viscoelastic fluid turbulent drag-reducing channel flow. Physics of Fluids, 2021, 33, 023101.	4.0	9
94	CFD Numerical Simulation of the Complex Turbulent Flow Field in an Axial-Flow Water Pump. Advances in Mechanical Engineering, 2014, 6, 521706.	1.6	8
95	Experimental and Numerical Study of Water Entry Supercavity Influenced by Turbulent Drag-Reducing Additives. Advances in Mechanical Engineering, 2014, 6, 280643.	1.6	8
96	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, .	1.5	8
97	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.	1.5	8
98	Generation and Dynamics of Janus Droplets in Shear-Thinning Fluid Flow in a Double Y-Type Microchannel. Micromachines, 2021, 12, 149.	2.9	8
99	On the mechanisms of sheet-like extension structures formation and self-sustaining process in elasto-inertial turbulence. Physics of Fluids, 2021, 33, 085107.	4.0	8
100	Numerical study on heat transfer enhancement by viscoelastic fluid pulsating laminar flow in rectangular microchannel heat sinks. Applied Thermal Engineering, 2022, 213, 118734.	6.0	8
101	Microstructures and rheology of micellar surfactant solution by Brownian dynamics simulation. Nonlinear Dynamics, 2010, 61, 503-515.	5.2	7
102	Effect of blade perforation on Francis hydro-turbine cavitation characteristics. Journal of Hydraulic Research/De Recherches Hydrauliques, 2014, 52, 412-420.	1.7	7
103	A new mixed subgrid-scale model for large eddy simulation of turbulent drag-reducing flows of viscoelastic fluids. Chinese Physics B, 2015, 24, 074701.	1.4	7
104	Heat transfer and CHF in subcooled flow boiling of aqueous surfactant solutions. Experimental Thermal and Fluid Science, 2018, 93, 131-138.	2.7	7
105	Experimental Study of the Effect of Splitter Blades on the Performance Characteristics of Francis Turbines. Energies, 2019, 12, 1676.	3.1	7
106	Experimental study on the characteristics of temperature dependent surface/interfacial properties of a non-ionic surfactant aqueous solution at quasi-thermal equilibrium condition. International Journal of Heat and Mass Transfer, 2022, 182, 122003.	4.8	7
107	Repicturing viscoelastic drag-reducing turbulence by introducing dynamics of elasto-inertial turbulence. Journal of Fluid Mechanics, 2022, 940, .	3.4	7
108	Numerical simulation and rotor dynamic stability analysis on a large hydraulic turbine. Computers and Fluids, 2013, 88, 11-18.	2.5	6

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109	Numerical Study of Natural Supercavitation Influenced by Rheological Properties of Turbulent Drag-Reducing Additives. <i>Advances in Mechanical Engineering</i> , 2014, 6, 275316.	1.6	6
110	Proper orthogonal decomposition analysis for two-oscillating grid turbulence with viscoelastic fluids. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401667977.	1.6	6
111	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.	4.8	6
112	High Mixing Efficiency by Modulating Inlet Frequency of Viscoelastic Fluid in Simplified Pore Structure. <i>Processes</i> , 2018, 6, 210.	2.8	6
113	Modulation of viscoelastic fluid response to external body force. <i>Scientific Reports</i> , 2019, 9, 9402.	3.3	6
114	Numerical study on tritium dispersion in coastal waters: The case of Hangzhou Bay, China. <i>Journal of Hydrology</i> , 2020, 590, 125532.	5.4	6
115	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.	8.9	6
116	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.	1.6	6
117	Status of "TITAN" Task 3 "Flow Control and Thermofluid Modeling" Fusion Engineering and Design, 2012, 87, 777-781.	1.9	5
118	Numerical simulation of dynamic flow characteristics in a centrifugal water pump with three-vaned diffuser. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401559848.	1.6	5
119	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.	1.6	5
120	Experimental study on the characteristics of CHF and pressure fluctuations of surfactant solution flow boiling. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 1004-1010.	4.8	5
121	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, .	1.5	5
122	Numerical study on the effect of steam extraction on hydrodynamic characteristics of rotational supercavitating evaporator for desalination. <i>Desalination</i> , 2019, 455, 1-18.	8.2	5
123	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.	4.8	5
124	The effect of surfactant solutions on flow structures in turbulent Rayleigh-Benard convection. <i>Thermal Science</i> , 2018, 22, 507-515.	1.1	5
125	Motion of Passive Scalar by Elasticity-Induced Instability in Curved Microchannel. <i>Advances in Mechanical Engineering</i> , 2014, 6, 734175.	1.6	4
126	Research on the License Plate Recognition Based on Image Processing. , 2015, , .		4



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127	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.	1.4	4
128	A mixed subgrid-scale model based on ICSM and TADM for LES of surfactant-induced drag-reduction in turbulent channel flow. <i>Applied Thermal Engineering</i> , 2017, 115, 1322-1329.	6.0	4
129	Additional radiation dose due to atmospheric dispersion of tritium evaporated from a hypothetical reservoir. <i>Applied Radiation and Isotopes</i> , 2021, 167, 109475.	1.5	4
130	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.	1.9	4
131	Numerical Investigation of T-Shaped Microfluidic Oscillator with Viscoelastic Fluid. <i>Micromachines</i> , 2021, 12, 477.	2.9	4
132	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.	1.6	4
133	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.	4.0	3
134	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.	4.8	3
135	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.	1.4	3
136	Thermal hydraulic characteristics of spiral cross rod bundles in a lead-bismuth-cooled fast reactor. <i>Annals of Nuclear Energy</i> , 2022, 167, 108850.	1.8	3
137	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
138	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
139	Experimental study on two oscillating grid turbulence with viscoelastic fluids based on PIV. <i>Canadian Journal of Physics</i> , 2017, 95, 1271-1277.	1.1	2
140	Experimental study on rheological and thermophysical properties of seawater with surfactant additive—part I: rheological properties. <i>Rheologica Acta</i> , 2018, 57, 619-633.	2.4	2
141	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.	0.3	2
142	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.	3.2	2
143	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.	4.8	2
144	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.	1.7	2

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145	Spatiotemporal Evolution of Rotational Natural Cavitation in Rotational Supercavitating Evaporator for Desalination. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020, 142, .	1.5	2
146	Comparisons of LES and RANS Computations with PIV Experiments on a Cylindrical Cavity Flow. <i>Advances in Mechanical Engineering</i> , 2013, 5, 592940.	1.6	2
147	Experimental Study of Swirling Flow of a Viscoelastic Fluid With Deformed Free Surface. , 2006, , 1561.		1
148	Reynolds-Averaged Simulation on Turbulent Drag-Reducing Flows of Viscoelastic Fluid Based on User-Defined Function in FLUENT Package. , 2014, , .		1
149	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.	1.6	1
150	Heat Transfer Enhancement of Elastic Turbulence in Curved Microchannel. , 2015, , .		1
151	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.	5.1	1
152	Wavelet analysis on the drag-reducing characteristics of turbulent channel flow with surfactant additive based on experimental data. <i>Canadian Journal of Physics</i> , 2017, 95, 1115-1121.	1.1	1
153	Wavelet analysis of coherent structures and intermittency in forced homogeneous isotropic turbulence with polymer additives. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401773772.	1.6	1
154	RPT Runner Flow Structures Dependence on Guide Vane Opening Angle: A CFD Numerical Simulation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 192, 012044.	0.3	1
155	An Abundant and Renewable Potential Energy Source: Harvestable Energy under Vehicle Wheels. <i>Global Challenges</i> , 2019, 3, 1800096.	3.6	1
156	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.	2.2	1
157	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.	1.8	1
158	Development of Microbubble Generation Method. <i>Green Energy and Technology</i> , 2012, , 287-293.	0.6	1
159	ELASTIC STRESS ACTS ON ELASTIC TURBULENCE OF VISCOELASTIC FLUID FLOW IN CURVY MICROCHANNEL , 2018, , .		1
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