Yutaka Asako

List of Publications by Year
in descending order

200 papers	2,067 citations	236925 25 h-index	315739 38 g-index
201 all docs	201 docs citations	201 times ranked	1126 citing authors

#	Article	IF	Citations
1	Heat transfer enhancement in microchannel heat sink using hybrid technique of ribs and secondary channels. International Journal of Heat and Mass Transfer, 2017, 114, 640-655.	4.8	107
2	Effect of compressibility on gaseous flows in micro-channels. International Journal of Heat and Mass Transfer, 2003, 46, 3041-3050.	4.8	89
3	Effect of compressibility on gaseous flows in a micro-tube. International Journal of Heat and Mass Transfer, 2005, 48, 4985-4994.	4.8	76
4	Heat transfer and pressure drop characteristics in a corrugated duct with rounded corners. International Journal of Heat and Mass Transfer, 1988, 31, 1237-1245.	4.8	73
5	Swirling Effect in Immersion Nozzle on Flow and Heat Transport in Billet Continuous Casting Mold.. ISIJ International, 1998, 38, 827-833.	1.4	68
6	HEAT TRANSFER BY FREE CONVECTION BETWEEN TWO PARALLEL FLAT PLATES. Numerical Heat Transfer, 1982, 5, 95-106.	0.5	65
7	From dissipative particle dynamics scales to physical scales: a coarse-graining study for water flow in microchannel. Microfluidics and Nanofluidics, 2009, 7, 467-477.	2.2	56
8	Recent development on biodegradable nanolubricant: A review. International Communications in Heat and Mass Transfer, 2017, 86, 159-165.	5.6	54
9	Some considerations on thermal boundary condition of slip flow. International Journal of Heat and Mass Transfer, 2010, 53, 3075-3079.	4.8	52
10	Steady state and stability characteristics of natural circulation loops operating with carbon dioxide at supercritical pressures for open and closed loop boundary conditions. Nuclear Engineering and Design, 2013, 265, 737-754.	1.7	51
11	Control of Immersion Nozzle Outlet Flow Pattern through the Use of Swirling Flow in Continuous Casting.. ISIJ International, 1994, 34, 883-888.	1.4	48
12	Numerical Study of Immersion Nozzle Outlet Flow Pattern with Swirling Flow in Continuous Casting.. ISIJ International, 1994, 34, 889-895.	1.4	45
13	Developing laminar flow and heat transfer in the entrance region of regular polygonal ducts. International Journal of Heat and Mass Transfer, 1988, 31, 2590-2593.	4.8	42
14	Three-dimensional heat transfer analysis of arrays of heated square blocks. International Journal of Heat and Mass Transfer, 1989, 32, 395-405.	4.8	42
15	A comprehensive review of the influences of nanoparticles as a fuel additive in an internal combustion engine (ICE). Nanotechnology Reviews, 2020, 9, 1326-1349.	5.8	41
16	Heat Transfer Characteristics of Gaseous Flows in a Microchannel and a Microtube with Constant Wall Temperature. Numerical Heat Transfer; Part A: Applications, 2007, 52, 219-238.	2.1	39
17	NUMERICAL SOLUTION FOR MELTING OF UNFIXED RECTANGULAR PHASE-CHANGE MATERIAL UNDER LOW-GRAVITY ENVIRONMENT. Numerical Heat Transfer; Part A: Applications, 1994, 25, 191-208.	2.1	34
18	Transient thermal prediction methodology for parabolic trough solar collector tube using artificial neural network. Renewable Energy, 2019, 131, 168-179.	8.9	34

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19	A review of passive methods in microchannel heat sink application through advanced geometric structure and nanofluids: Current advancements and challenges. Nanotechnology Reviews, 2020, 9, 1192-1216.	5.8	34
20	Effective thermal conductivity of compressed woods. International Journal of Heat and Mass Transfer, 2002, 45, 2243-2253.	4.8	31
21	Sedimentary furrows and organized flow structure: A study in Lake Superior. Limnology and Oceanography, 1992, 37, 797-812.	3.1	30
22	Removal of Inclusion through Bubble Curtain Created by Swirl Motion in Submerged Entry Nozzle.. ISIJ International, 1998, 38, 1086-1092.	1.4	30
23	Forced Convection Heat Transfer Simulation Using Dissipative Particle Dynamics. Numerical Heat Transfer; Part A: Applications, 2011, 60, 651-665.	2.1	29
24	THREE-DIMENSIONAL HEAT TRANSFER AND FLUID FLOW ANALYSIS OF ARRAYS OF SQUARE BLOCKS ENCOUNTERED IN ELECTRONIC EQUIPMENT. Numerical Heat Transfer, 1988, 13, 481-498.	0.5	28
25	Heat transfer characteristics of gaseous flows in microtube with constant heat flux. Applied Thermal Engineering, 2008, 28, 1375-1385.	6.0	27
26	Fire resistance test for fire protection materials with high water content. International Journal of Heat and Mass Transfer, 2000, 43, 4395-4404.	4.8	25
27	Friction Factor Correlations for Gas Flow in Slip Flow Regime. Journal of Fluids Engineering, Transactions of the ASME, 2007, 129, 1268-1276.	1.5	25
28	Parametric study of turbulent three-dimensional heat transfer of arrays of heated blocks encountered in electronic equipment. International Journal of Heat and Mass Transfer, 1994, 37, 469-478.	4.8	23
29	Heat transfer characteristics of gaseous flows in micro-channel with constant heat flux. International Journal of Thermal Sciences, 2007, 46, 1153-1162.	4.9	23
30	HEAT TRANSFER CHARACTERISTICS OF GASEOUS FLOWS IN MICROCHANNELS. Microscale Thermophysical Engineering, 2005, 9, 15-31.	1.2	22
31	Natural convective flow and heat transfer studies for supercritical water in a rectangular circulation loop. Nuclear Engineering and Design, 2014, 273, 304-320.	1.7	22
32	Simulation of Thermal Conductivity of Nanofluids Using Dissipative Particle Dynamics. Numerical Heat Transfer; Part A: Applications, 2012, 61, 323-337.	2.1	20
33	Heat Transfer Characteristics of Gaseous Flows in Micro-Channel with Negative Heat Flux. Heat Transfer Engineering, 2008, 29, 805-815.	1.9	19
34	Poiseuille number correlation for high speed micro-flows. Journal Physics D: Applied Physics, 2008, 41, 105111.	2.8	19
35	NUMERICAL SOLUTION OF MELTING PROCESSES FOR FIXED AND UNFIXED PHASE CHANGE MATERIAL IN THE PRESENCE OF MAGNETIC FIELD--SIMULATION OF LOW-GRAVITY ENVIRONMENT. Numerical Heat Transfer; Part A: Applications, 2002, 42, 565-583.	2.1	18
36	Heat Transfer in a Parallelogram Shaped Enclosure : 1st Report, Heat Transfer by Free Convection. Bulletin of the JSME, 1980, 23, 1827-1834.	0.1	17

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37	Experimental investigations of laminar, transitional and turbulent Gas flow in microchannels. International Journal of Heat and Mass Transfer, 2012, 55, 4397-4403.	4.8	17
38	Data reduction of friction factor of compressible flow in micro-channels. International Journal of Heat and Mass Transfer, 2014, 77, 257-261.	4.8	17
39	Semi-local friction factor of turbulent gas flow through rectangular microchannels. International Journal of Heat and Mass Transfer, 2016, 98, 643-649.	4.8	17
40	Heat Transfer in a Parallelogram Shaped Enclosure : 3rd Report, Combined Free Convection and Radiation Heat Transfer. Bulletin of the JSME, 1982, 25, 1419-1427.	0.1	16
41	Experimental Investigation on Heat Transfer Characteristics of a Gas-to-Gas Counterflow Microchannel Heat Exchanger. Experimental Heat Transfer, 2010, 23, 130-143.	3.2	16
42	FIRE RESISTANCE CHARACTERISTICS OF MATERIALS WITH POLYMER GELS WHICH ABSORB AQUEOUS SOLUTION OF CALCIUM CHLORIDE. Numerical Heat Transfer; Part A: Applications, 2004, 45, 49-66.	2.1	15
43	Laminar Free Convection from a Horizontal Cylinder with Uniform Cross Section of Arbitrary Shape. Bulletin of the JSME, 1978, 21, 471-478.	0.1	13
44	Enhancement of large-particle gas-fluidization by adding liquid. AICHE Journal, 2003, 49, 675-681.	3.6	13
45	Convection heat transfer in concentric micro annular tubes with constant wall temperature. International Journal of Heat and Mass Transfer, 2011, 54, 5242-5252.	4.8	13
46	Data reduction of average friction factor of gas flow through adiabatic micro-channels. International Journal of Heat and Mass Transfer, 2019, 129, 427-431.	4.8	13
47	Thermal and water storage characteristics of super-absorbent polymer gel which absorbed aqueous solution of calcium chloride. International Journal of Heat and Mass Transfer, 2000, 43, 3407-3415.	4.8	12
48	Effect of Partition Wall on Natural Convection Heat Transfer in a Vertical Air Layer. Journal of Heat Transfer, 2001, 123, 441-449.	2.1	12
49	Heat Transfer in a Parallelogram Shaped Enclosure : 4th Report, Combined free convection, radiation and conduction heat transfer. Bulletin of the JSME, 1984, 27, 1144-1151.	0.1	11
50	Prevention of Air Suction from the Contact-part between Sliding Gate and Immersion Nozzle.. ISIJ International, 1998, 38, 1346-1352.	1.4	11
51	NUMERICAL SOLUTION OF MELTING PROCESSES FOR UNFIXED PHASE-CHANGE MATERIAL IN THE PRESENCE OF ELECTROMAGNETICALLY SIMULATED LOW GRAVITY. Numerical Heat Transfer; Part A: Applications, 2004, 46, 343-365.	2.1	11
52	Oxygen Separation/Enrichment From Atmospheric Air Using Magnetizing Force. Journal of Fluids Engineering, Transactions of the ASME, 2007, 129, 438-445.	1.5	11
53	Performance of a small-scale solar cogeneration system in the equatorial zone of Malaysia. Energy Conversion and Management, 2019, 184, 127-138.	9.2	11
54	Heat Transfer in a Parallelogram Shaped Enclosure : 2nd Report, Free Convection in Infinitely Stacked Parallelogram Shaped Enclosure. Bulletin of the JSME, 1982, 25, 1412-1418.	0.1	10

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55	NUMERICAL SOLUTION OF MELTING IN SIDE-HEATED RECTANGULAR ENCLOSURE UNDER ELECTROMAGNETICALLY SIMULATED LOW GRAVITY. Numerical Heat Transfer; Part A: Applications, 2005, 47, 315-332.	2.1	10
56	Convection Heat Transfer in Microchannels With High Speed Gas Flow. Journal of Heat Transfer, 2007, 129, 319-328.	2.1	10
57	Poiseuille Number Correlations for Gas Slip Flow in Micro-Tubes. Numerical Heat Transfer; Part A: Applications, 2009, 56, 785-806.	2.1	10
58	Performance of Gas-to-Gas Micro-Heat Exchangers. Journal of Heat Transfer, 2009, 131, .	2.1	10
59	Mach number at outlet plane of a straight micro-tube. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 3420-3430.	2.1	10
60	Flow characteristics of gaseous flow through a microtube discharged into the atmosphere. International Journal of Heat and Mass Transfer, 2018, 121, 187-195.	4.8	10
61	Three-dimensional natural convection in a vertical porous layer with hexagonal honeycomb core of negligible thickness. International Journal of Heat and Mass Transfer, 1993, 36, 3403-3406.	4.8	9
62	PREDICTION OF TURBULENT THREE-DIMENSIONAL HEAT TRANSFER OF HEATED BLOCKS USING LOW-REYNOLDS NUMBER TWO-EQUATION MODEL. Numerical Heat Transfer; Part A: Applications, 1994, 26, 87-101.	2.1	9
63	Dynamic forces on a horizontal tube due to passing bubbles in fluidized beds. Powder Technology, 1998, 98, 177-182.	4.2	9
64	Phase change in a threeâ€dimensional rectangular cavity under electromagnetically simulated lowâ€gravity. International Journal of Numerical Methods for Heat and Fluid Flow, 2005, 15, 710-739.	2.8	9
65	Multivariable power least squares method: Complementary tool for Response Surface Methodology. Ain Shams Engineering Journal, 2020, 11, 161-169.	6.1	9
66	Periodic, fully developed, natural convection in a channel with corrugated confining walls. International Journal of Heat and Mass Transfer, 1986, 29, 1931-1936.	4.8	8
67	Heat Transfer Characteristics of Compressible Laminar Flow Through Microtubes. Journal of Heat Transfer, 2012, 134, .	2.1	8
68	NUMERICAL ANALYSIS FOR SUPERSONIC FLOWS IN A COOLED NOZZLE. Numerical Heat Transfer; Part A: Applications, 1994, 26, 631-641.	2.1	7
69	Local Friction Factor of Compressible Laminar or Turbulent Flow in Micro-Tubes. , 2011, , .		7
70	Heat Transfer Characteristics of Gaseous Slip Flow in Concentric Micro-Annular Tubes. Journal of Heat Transfer, 2011, 133, .	2.1	7
71	Modification of SIMPLE algorithm to handle natural convection flows with zero-isothermal compressibility. International Journal of Heat and Mass Transfer, 2017, 106, 177-182.	4.8	7
72	Convection in weld pool and its effect on penetration shape in stationary arc welds.. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 1988, 6, 455-462.	0.5	6

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73	PREDICTION OF TURBULENT HEAT TRANSFER IN THE ENTRANCE OF AN ARRAY OF HEATED BLOCKS USING LOW-REYNOLDS-NUMBER Îº-Îµ MODEL. Numerical Heat Transfer; Part A: Applications, 1995, 28, 263-277.	2.1	6
74	Phase Change in a Three-Dimensional Rectangular Cavity Under Electromagnetically Simulated Low Gravity: Top Wall Heating With an Unfixed Material. Numerical Heat Transfer; Part A: Applications, 2005, 48, 849-878.	2.1	6
75	Estimation of Leak Flow Rates Through Narrow Cracks. Journal of Pressure Vessel Technology, Transactions of the ASME, 2009, 131, .	0.6	6
76	Experimental and numerical investigation of forced convection of subsonic gas flows in microtubes. International Journal of Heat and Mass Transfer, 2014, 78, 732-740.	4.8	6
77	Supersonic micro-jet of straight micro-tube exit. Journal of Thermal Science and Technology, 2015, 10, JTST0026-JTST0026.	1.1	6
78	Energy Equation of Gas Flow With Low Velocity in a Microchannel. Journal of Heat Transfer, 2016, 138, .	2.1	6
79	THREE-DIMENSIONAL LAMINAR NATURAL CONVECTION IN A HONEYCOMB ENCLOSURE WITH HEXAGONAL END WALLS. Numerical Heat Transfer; Part A: Applications, 1989, 15, 67-86.	2.1	5
80	PARAMETRIC STUDY ON THERMAL RESPONSES OF A HIGHLY WATER CONTENT FIRE WALL. Numerical Heat Transfer; Part A: Applications, 1998, 33, 403-414.	2.1	5
81	Numerical Modeling of Fire Walls to Simulate Fire Resistance Test. Journal of Heat Transfer, 1998, 120, 661-666.	2.1	5
82	Dynamic force reduction and heat transfer improvement for horizontal tubes in large-particle gas-fluidized beds. Journal of Thermal Science, 2008, 17, 77-83.	1.9	5
83	Dissipative particle dynamics for complex geometries using nonâ€orthogonal transformation. International Journal for Numerical Methods in Fluids, 2012, 68, 324-340.	1.6	5
84	Under-Expanded Gaseous Flow at a Straight Micro-Tube Exit. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	1.5	5
85	On temperature jump condition for turbulent slip flow in a quasi-fully developed region of micro-channel with constant wall temperature. International Journal of Thermal Sciences, 2019, 136, 467-472.	4.9	5
86	Experimental investigations of local friction factors of laminar and turbulent gas flows in smooth micro-tubes. International Journal of Heat and Mass Transfer, 2020, 158, 120035.	4.8	5
87	Validity of performance factors used in recent studies on heat transfer enhancement by surface modification or insert devices. International Journal of Heat and Mass Transfer, 2022, 186, 122431.	4.8	5
88	Fluid Flow and Heat Transfer in a Periodically Diverging-Converging Turbulent Duct Flow.. JSME International Journal Series B, 1993, 36, 207-213.	0.3	4
89	Convection Enhancement in Melting by Electromagnetic Fields in a Low-Gravity Environment: Side Wall Heating. Numerical Heat Transfer; Part A: Applications, 2007, 51, 129-158.	2.1	4
90	Effect of Partition Wall on Heat Transfer Characteristics of a Gas-to-Gas Counterflow Microchannel Heat Exchanger. Heat Transfer Engineering, 2012, 33, 533-547.	1.9	4

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91	Total Temperature Measurement of Laminar Gas Flow at Microtube Outlet: Cooled From the Wall. Heat Transfer Engineering, 2014, 35, 142-149.	1.9	4
92	Measurement of quasi-local friction factor of gas flow in a micro-tube. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 782-792.	2.1	4
93	On Temperature Jump Condition for Slip Flow in a Microchannel With Constant Wall Temperature. Journal of Heat Transfer, 2017, 139, .	2.1	4
94	Numerical analysis for irreversible processes in a piston-cylinder system. International Journal of Heat and Mass Transfer, 2018, 124, 1097-1106.	4.8	4
95	Numerical Analysis of Immersion Nozzle Outlet Flow Pattern through Using Swirling Flow in Continuous Casting. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1994, 80, 759-764.	0.4	4
96	The Effect of Triangular Cavity Shape on the Hybrid Microchannel Heat Sink Performance. CFD Letters, 2020, 12, 1-14.	0.8	4
97	Heat Transfer in a Parallelogram Shaped Enclosure : 2nd Report, Free Convection in the Infinitely Stacked Parallelogram Shaped Enclosures. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1982, 48, 105-112.	0.2	3
98	NATURAL CONVECTION HEAT TRANSFER IN A VERTICAL AIR SLOT PARTITIONED BY CORRUGATED PLATES. Numerical Heat Transfer, 1987, 11, 77-94.	0.5	3
99	Thermal Intumescent Characteristics of Heated Sodium Silicate. , 2002, , 205.		3
100	Heat Transfer Characteristics of Gaseous Flows in Micro-Channels With Constant Heat Flux. , 2005, , 433.		3
101	Experimental Investigations of Turbulent Gas Flow in a Micro-Channel. , 2011, , .		3
102	Friction Factor Correlations for Compressible Gaseous Flow in a Concentric Micro Annular Tube. Numerical Heat Transfer; Part A: Applications, 2012, 61, 163-179.	2.1	3
103	First law analysis for viscous dissipation in liquid flows in micro-channels. International Journal of Heat and Mass Transfer, 2012, 55, 2244-2248.	4.8	3
104	A finite volume method on distorted quadrilateral meshes for discretization of the energy equation's conduction term. Heat Transfer - Asian Research, 2013, 42, 163-184.	2.8	3
105	Modification of SIMPLE algorithm to handle supercritical natural circulation in a loop. International Journal of Heat and Mass Transfer, 2018, 126, 425-431.	4.8	3
106	Numerical analysis of irreversible processes in a piston-cylinder system using LB1S turbulence model. International Journal of Heat and Mass Transfer, 2019, 136, 730-739.	4.8	3
107	Validity of Performance Factors Used in Recent Studies on Heat Transfer Enhancement of Nanofluids. Journal of Heat Transfer, 2021, 143, .	2.1	3
108	Heat Transfer Characteristics of Gaseous Flows in Micro-Channels With Negative Heat Flux. , 2006, , .		3

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109	Experimental Investigation of Heat Transfer Characteristics on a Gas-to-Gas Parallel Flow Microchannel Heat Exchanger~!2009-07-27~!2009-10-13~!2010-04-02~!. Open Transport Phenomena Journal, 2010, 2, 1-8.	0.5	3
110	Characteristic of Nozzle with Step for Prevention of Uneven Flow. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1996, 82, 581-586.	0.4	3
111	Heat transfer and pressure drop characteristics in a converging-diverging duct. Heat transfer and pressure responses to rounding of peaks.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1986, 52, 2170-2176.	0.2	2
112	Fluid Flow and Heat Transfer in a Periodically Diverging-Converging Turbulent Duct Flow.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1991, 57, 2962-2969.	0.2	2
113	Numerical solution of convection-diffusion problems in irregular domains mapped onto a circle. Journal of Thermophysics and Heat Transfer, 1991, 5, 103-109.	1.6	2
114	Effect of Compressibility on Gaseous Flows in a Micro-Tube. , 2003, , 289.		2
115	Scale Effect on Gaseous Flow around a Micro-Scaled Gas Turbine Blade. Heat Transfer Engineering, 2007, 28, 696-703.	1.9	2
116	Friction Factor Correlations of Slip Flow in Micro-Tubes. , 2007, , .		2
117	Heat transfer characteristics of gaseous slip flow in a micro-channel. Journal of Mechanical Science and Technology, 2010, 24, 2577-2585.	1.5	2
118	Local Pipe Friction Factor of Compressible Laminar or Turbulent Flow in Micro-Tubes. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2011, 77, 1429-1444.	0.2	2
119	Numerical Simulation on Heat Transfer Characteristics of Turbulent Gas Flow in Micro-Tubes. , 2011, , .		2
120	Outflow velocity for SIMPLE algorithm for unsteady forced convection flows with variable density. International Communications in Heat and Mass Transfer, 2018, 92, 73-77.	5.6	2
121	Delfim-Soares explicit time marching method for modelling of ultrasonic wave in microalgae pre-treatment. IOP Conference Series: Earth and Environmental Science, 2019, 268, 012106.	0.3	2
122	A review on development and applications of element-free galerkin methods in computational fluid dynamics. International Journal for Computational Methods in Engineering Science and Mechanics, 2020, 21, 252-275.	2.1	2
123	Heat Transfer Characteristics of Turbulent Gas Flow Through Micro-Tubes. , 2010, , .		2
124	Control of Immersion Nozzle Outlet Flow Pattern by Using Swirling Flow in Continuous Casting. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1994, 80, 754-758.	0.4	2
125	Heat Transfer of Turbulent Gaseous Flow in Microtubes With Constant Wall Temperature. Journal of Heat Transfer, 2022, 144, .	2.1	2
126	Heat Transfer in a Parallelogram Shaped Enclosure : 4th Report, Combined Free Convection, Rediation and Conduction Heat Transfer. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1983, 49, 2154-2162.	0.2	1

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127	Numerical Solution of Melting Processes for Unfixed Phase Change Material in the Presence of Electromagnetic Field: Simulation of Low Gravity Environment. , 2002, , 453.		1
128	Heat Transfer Characteristics of Gaseous Flows in Micro-Channels. , 2003, , 311.		1
129	Oxygen Separation/Enrichment From Atmospheric Air Using Magnetizing Force. , 2004, , 281.		1
130	Effect of Compressibility on Heat Transfer in Microchannels. , 2004, , 341.		1
131	Supersonic Flow at Micro-Tube Outlet. , 2009, , .		1
132	Effect of Partition Wall Thickness on Heat Transfer Characteristics of a Gas-to-Gas Counterflow Microchannel Heat Exchanger. , 2009, , .		1
133	A Finite Volume Method on Distorted Quadrilateral Meshes for Discretization of Energy Equation's Conduction Term(Thermal Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 2178-2187.	0.2	1
134	Fundamental Study on Washing Characteristics of a Novel Multi-Phase Flow System. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2010, 224, 223-231.	2.5	1
135	Three Dimensional Simulation of Dynamics and Deformation of Red Blood Cells in Capillary Flow. , 2010, , .		1
136	Flow Structure of Supersonic Jet From a Straight Micro-Tube. , 2010, , .		1
137	Enhancement of Oxygen Diffusion in a Gas Diffusion Layer of a Fuel Cell Electrode by Magnetizing Force. , 2010, , .		1
138	Pressure loss of gaseous flow at a micro-tube outlet. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 649-657.	2.1	1
139	Characteristics of Turbulent Gas Flow in Microtubes. , 2012, , .		1
140	Mach Number on Outlet Plane of a Straight Micro-Tube. , 2013, , .		1
141	Measurement of Semi-Local Friction Factor of Gas Flow in Micro-Tube. , 2013, , .		1
142	Total Temperature Measurement of Turbulent Gas Flow at Microtube Exit. , 2013, , .		1
143	Total Temperature Measurement of Micro Gas Jet. , 2014, , .		1
144	Experimental Investigations on Friction Factors of Gaseous Flow Through a Micro-Tube With Smooth Surface. , 2017, , .		1

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145	Turbulent temperature profile in the quasi-fully developed region of a micro-tube. Journal of Thermal Science and Technology, 2017, 12, JTST0010-JTST0010.	1.1	1
146	Letter to the editor: â€œShear work contribution to convective heat transfer of dilute gases in slip flow regimeâ€•(P. Vocale, G.L. Morini, M. Spiga, S. Colin, European Journal of Mechanics B/Fluids, 64) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	1
147	Notes on factitious shear work of slip flow in a channel. International Journal of Heat and Mass Transfer, 2018, 127, 444-447.	4.8	1
148	Combined Effects of Rotation and Skew Angle on the Convective Heat Transfer in a Two-pass Passage with a 180-degree Turn. Journal of Enhanced Heat Transfer, 2000, 7, 185-199.	1.1	1
149	Heat Exchange Characteristics of a Gas-Gas Counterflow Microchannel Heat Exchanger. , 2008, , .		1
150	Experimental Investigations of Laminar, Transitional to Turbulent Gas Flow in a Micro-Channel. , 2010, , .		1
151	Solar Radiation Forecast Using Cloud Velocity for Photovoltaic Systems. Journal of Engineering and Technological Sciences, 2018, 50, 479-492.	0.6	1
152	Heat Transfer in a Parallelogram Shaped Enclosure : 3rd Report, Combined Free Convection and Radiation Heat Transfer. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1982, 48, 113-121.	0.2	0
153	Natural convection and radiation heat transfer in a vertical porous layer with a hexagonal honeycomb core (Part 1: numerical analysis). Heat Transfer - Asian Research, 1999, 28, 278-294.	2.8	0
154	Natural convection and radiation heat transfer in a vertical porous layer with a hexagonal honeycomb core (Part 2: heat transfer experiment). Heat Transfer - Asian Research, 1999, 28, 295-306.	2.8	0
155	Effect of Viscosity on Gaseous Flow in a Micro-Nozzle. , 2004, , 275.		0
156	Oxygen Separation/Enrichment From Atmospheric Air Using Magnetizing Force: Air Flow in a Duct Under Magnetic Field Gradient. , 2005, , 321.		0
157	Mesoscopic Simulations of Flow in Microchannel and Comparison With Continuum Model. , 2008, , .		0
158	Experimental Investigation of Gaseous Flow in a Micro-Tube. , 2009, , .		0
159	Convection Heat Transfer in Concentric Micro Annular Tubes With Constant Wall Temperature. , 2009, , .		0
160	Heat Transfer Characteristics of Gaseous Slip Flow in Concentric Micro Annular Tubes. , 2009, , .		0
161	Ventilation of Compost Heating System by Permanent Magnets. Journal of Energy Resources Technology, Transactions of the ASME, 2010, 132, .	2.3	0
162	Experimental Investigations of Laminar, Transitional to Turbulent Gas Flow in Rib-Patterned Micro-Channels. , 2011, , .		0

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163	Simulations of Forced Convection Heat Transfer of Nanofluids in Parallel-Plate Microchannels Using Dissipative Particle Dynamics. , 2012, , .		0
164	Data Reduction of Friction Factor of Compressible Flow in Micro-Channels. , 2012, , .		0
165	Transitional and Turbulent Convective Heat Transfer of Compressible Gas Flows Through Microtubes. , 2012, , .		0
166	Flow and Heat Transfer Characteristics of Turbulent Gas Flow in Microtube with Constant Heat Flux. Journal of Physics: Conference Series, 2012, 362, 012022.	0.4	0
167	Simulation of Thermal Conductivity of Nanofluids Using Dissipative Particle Dynamics. , 2012, , .		0
168	Closure to â€œDiscussion of â€˜Friction Numbers and Viscous Dissipation Heating for Laminar Flows of Water in Microtubesâ€™â€•(2008, ASME J. Heat Transfer, 130, p. 082405). Journal of Heat Transfer, 2012, 134, .	2.1	0
169	Under-Expanded Gas Flow at a Straight Mini-Tube Exit. , 2013, , .		0
170	Effect of the Surface Tension of Liquid-Solid Interface on Liquid Flow in Parallel-Plate Sub-Micron Channels Using Multi-Body Dissipative Particle Dynamics. , 2013, , .		0
171	Diffusive-Ballistic Heat Transport in a Two-Dimensional Square Plate Using Energy Conserving Dissipative Particle Dynamics. , 2013, , .		0
172	Numerical Study on the Diffusive-Ballistic Heat Transport in a Two-Dimensional Square Plate. , 2013, , .		0
173	Liquid Characteristics Under Melting/Solidification Conditions Using Energy Conserving Dissipative Particle Dynamics. , 2014, , .		0
174	Energy Equation of Gas Flow With Low Velocity in a Micro-Channel. , 2014, , .		0
175	Convective Heat Transfer of Unchoked and Choked Gas Flow in Micro-Tubes. , 2014, , .		0
176	Total Temperature Measurement of Gas Flow in Micro-Tube With Constant Wall Temperature. , 2014, , .		0
177	Fluid Flow Characteristics in Micro-Gas-Jets. , 2014, , .		0
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