Hiroshige Kumamaru

List of Publications by Year
in descending order

28	67	1937685 4	1720034 7
papers	citations	h-index	g-index

28	28	28	26
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical Calculations on Liquid-Metal Magnetohydrodynamic Flow in Magnetic Field Inlet Region and Outlet Region. Fusion Science and Technology, 2021, 77, 235-249.	1.1	5
2	Numerical calculations on liquid-metal magnetohydrodynamic flow in rectangular channel with wavelike uneven walls. Fusion Engineering and Design, 2021, 172, 112872.	1.9	0
3	Effects of air-side freestream turbulence on the development of airâ€“liquid surface waves. Experiments in Fluids, 2020, 61, 1.	2.4	2
4	Estimation of High-Speed Liquid-Jet Velocity Using a Pyro Jet Injector. Scientific Reports, 2019, 9, 19859.	3.3	2
5	Numerical Analyses on Liquid-Metal Magnetohydrodynamic Flow in 180Â°-Turn Channel. International Journal of Mechanical Engineering and Applications, 2019, 7, 1.	0.3	4
6	Particle Focusing in Microchannel with Multi-Parallel Channels or Porous Orifice. International Journal of Mechanical Engineering and Applications, 2018, 6, 46.	0.3	1
7	Numerical analyses on liquid-metal magnetohydrodynamic flow in sudden channel expansion. Journal of Nuclear Science and Technology, 2017, 54, 242-252.	1.3	11
8	Numerical analyses on liquid-metal magnetohydrodynamic flow in sudden channel contraction. Journal of Nuclear Science and Technology, 2017, 54, 1300-1309.	1.3	9
9	Experimental Studies on Micropumps Using Rotational/Reciprocating Motions of Magnetic Material Balls. International Journal of Mechanical Engineering and Applications, 2017, 5, 247.	0.3	0
10	Numerical Analyses on Electroosmotic Flow in Contraction Channel. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0540104.	0.0	0
11	ICOPE-15-1063 Numerical analyses on liquid-metal magnetohydrodynamic flow in sudden expansion : Effects of channel aspect ratio and expansion ratio. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, _ICOPE-15--_ICOPE-15-.	0.0	0
12	J053052 Studies on Micropump using Rotational Motion of Magnetic Material Balls. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _J053052-1-_J053052-4.	0.0	0
13	Influence of the Development History of Nozzle Wall Boundary Layer upon Wave Generation on a Liquid Jet Free Surface. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2011, 77, 1373-1384.	0.2	0
14	Statistical Evaluation of Free-Surface Waves on a Water Jet Using an Optical Measurement Technique(<Special Issue>The 14th National Symposium on Power and Energy System). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 475-477.	0.2	0
15	0623 Hemodynamic Analysis of Cerebral Arteries before Aneurysm Formation : Application of a Technique for Virtual Removal of Aneurysms to Clinical Cases. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2010, 2009.22, 278.	0.0	0
16	Mixing of Horizontally Injected High-Density Solution in Vertically Upward Low-Velocity Water Flow. Journal of Nuclear Science and Technology, 2009, 46, 346-353.	1.3	0
17	Linear Stability Analysis on Free-Surface Liquid Jet with Different Simplification of Velocity Profile. Journal of Fluid Science and Technology, 2007, 2, 417-428.	0.6	3
18	Three-Dimensional Numerical Calculations on Liquid-Metal Magnetohydrodynamic Flow in Magnetic-Field Outlet-Region. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2005, 71, 1286-1292.	0.2	1

#	Article	IF	Citations
19	ANALYSIS OF FREE-SURFACE INSTABILITY ON LIQUID JET WITH DIFFERENT LEVELS OF SIMPLIFICATION OF VELOCITY PROFILE(Liquid Flow). The Proceedings of the International Conference on Jets Wakes and Separated Flows (ICJWSF), 2005, 2005, 145-150.	0.1	0
20	1114 Numerical calculation on mixing of high-density solution in vertical upward water flow. The Proceedings of Conference of Kansai Branch, 2005, 2005.80, _11-27_-_11-28_.	0.0	0
21	Three-Dimensional Numerical Calculations on Liquid-Metal Magnetohydrodynamic Flow in Magnetic-Field Inlet-Region. Journal of Nuclear Science and Technology, 2004, 41, 624-631.	1.3	12
22	Three-Dimensional Numerical Calculations on Liquid-Metal Magnetohydrodynamic Flow in Magnetic-Field Inlet-Region. Journal of Nuclear Science and Technology, 2004, 41, 624-631.	1.3	7
23	Dynamic Behavior for Breakup of Single Water Drop and Bridging between Electrodes by Multiple Water Drops Falling through an Oil Phase under Applied Electrical Voltage. Journal of the Japan Petroleum Institute, 2004, 47, 311-317.	0.6	3
24	Turbulent flow mixing of high-density solution in vertical upward water flow. The Proceedings of Conference of Kansai Branch, 2003, 2003.78, _9-31_-_9-32_.	0.0	0
25	B213 THREE-DIMENSIONAL NUMERICAL ANALYSES OF LIQUID-METAL MAGNETOHYDRODYNAMIC FLOW IN MAGNETIC-FIELD OUTLET-REGION. The Proceedings of the International Conference on Power Engineering (ICOPE), 2003, 2003.2, _2-157_-_2-162_.	0.0	0
26	Magnetohydrodynamic Flow in Rectangular Channel. Journal of Nuclear Science and Technology, 1999, 36, 110-113.	1.3	3
27	Numerical Calculation on Magnetohydrodynamic Two-Phase Annular Flow in Circular Pipe Liquid-Phase Velocity Distribution and Two-Phase Flow Pressure Drop. Journal of Nuclear Science and Technology, 1999, 36, 204-212.	1.3	1
28	Magnetohydrodynamic Flow in Rectangular Channel. Effect of Wall Thickness and Interaction of Parallel Channel Flows.. Journal of Nuclear Science and Technology, 1999, 36, 110-113.	1.3	3