

Hiroshige Kumamaru

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Numerical analyses on liquid-metal magnetohydrodynamic flow in sudden channel expansion. Journal of Nuclear Science and Technology, 2017, 54, 242-252.	1.3	11
3	Numerical analyses on liquid-metal magnetohydrodynamic flow in sudden channel contraction. Journal of Nuclear Science and Technology, 2017, 54, 1300-1309.	1.3	9
4	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
5	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
6	Numerical Analyses on Liquid-Metal Magnetohydrodynamic Flow in 180°-Turn Channel. International Journal of Mechanical Engineering and Applications, 2019, 7, 1.	0.3	4
7	Magnetohydrodynamic Flow in Rectangular Channel. Journal of Nuclear Science and Technology, 1999, 36, 110-113.	1.3	3
8	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
9	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
10	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
11	Estimation of High-Speed Liquid-Jet Velocity Using a Pyro Jet Injector. Scientific Reports, 2019, 9, 19859.	3.3	2
12	Effects of air-side freestream turbulence on the development of air-liquid surface waves. Experiments in Fluids, 2020, 61, 1.	2.4	2
13	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
14	Three-Dimensional Numerical Calculations on Liquid-Metal Magnetohydrodynamic Flow in Magnetic-Field Outlet-Region. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2005, 71, 1286-1292.	0.2	1
15	Particle Focusing in Microchannel with Multi-Parallel Channels or Porous Orifice. International Journal of Mechanical Engineering and Applications, 2018, 6, 46.	0.3	1
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	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 Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 475-477.	0.2	0
18	Influence of the Development History of Nozzle Wall Boundary Layer upon Wave Generation on a Liquid Jet Free Surface. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2011, 77, 1373-1384.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Numerical calculations on liquid-metal magnetohydrodynamic flow in rectangular channel with wavelike uneven walls. Fusion Engineering and Design, 2021, 172, 112872.	1.9	0
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Numerical Analyses on Electroosmotic Flow in Contraction Channel. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0540104.	0.0	0
28	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