

Taro Handa

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

238
citations

933447

10
h-index

940533

16
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20
all docs

20
docs citations

20
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on Decay Characteristics of FLEET Emission in Air for High-resolution Measurements of Supersonic Flows. Transactions of the Japan Society for Aeronautical and Space Sciences, 2022, 65, 109-115.	0.7	1
2	Device for creating a pair of anti-phase-synchronized high-frequency flapping jets. Sensors and Actuators A: Physical, 2022, 341, 113595.	4.1	3
3	Mechanism of supersonic mixing enhancement by a wall-mounted three-dimensional cavity. Acta Astronautica, 2021, 188, 491-504.	3.2	12
4	Study on the collapse length of compressible rectangular microjets. Experiments in Fluids, 2020, 61, 1.	2.4	3
5	Peculiarities of low-Reynolds-number supersonic flows in long microchannel. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	3
6	Fluidic oscillator actuated by a cavity at high frequencies. Sensors and Actuators A: Physical, 2019, 300, 111676.	4.1	11
7	Investigation on choking behavior of gas flow in microducts. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	3
8	Experimental study of small supersonic circular jets actuated by a cavity. Experimental Thermal and Fluid Science, 2018, 96, 419-429.	2.7	7
9	Visualization of Supersonic Microjets Using LIF and MTV Techniques. IOP Conference Series: Materials Science and Engineering, 2017, 249, 012016.	0.6	4
10	Phenomena peculiar to underexpanded flows in supersonic micronozzles. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	17
11	Frequencies of Transverse and Longitudinal Oscillations in Supersonic Cavity Flows. International Journal of Aerospace Engineering, 2015, 2015, 1-7.	0.9	6
12	Modeling of a Feedback Mechanism in Supersonic Deep-Cavity Flows. AIAA Journal, 2015, 53, 420-425.	2.6	17
13	Study on the particle traceability in transonic and supersonic flows using molecular tagging velocimetry. Journal of Visualization, 2015, 18, 511-520.	1.8	16
14	Supersonic mixing enhanced by cavity-induced three-dimensional oscillatory flow. Experiments in Fluids, 2014, 55, 1.	2.4	21
15	Study on supersonic rectangular microjets using molecular tagging velocimetry. Experiments in Fluids, 2014, 55, 1.	2.4	34
16	Visualization of an Oscillatory Supersonic Cavity Flow Using LIF and Schlieren Methods. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2012, 78, 1318-1326.	0.2	0
17	Generation and propagation of pressure waves in supersonic deep-cavity flows. Experiments in Fluids, 2012, 53, 1855-1866.	2.4	23
18	Measurement of number densities in supersonic flows using a method based on laser-induced acetone fluorescence. Experiments in Fluids, 2011, 50, 1685-1694.	2.4	24

#	ARTICLE	IF	CITATIONS
19	Experimental Investigation on the Three-Dimensional Structure of Normal Shock Wave/Boundary Layer Interaction in a Constant Area Rectangular Duct. 880-02 Nihon Kikai Gakkai Ronbunshu« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2004, 70, 1687-1694.	0.2	0
20	Mechanism of Shock Wave Oscillation in Transonic Diffusers. AIAA Journal, 2003, 41, 64-70.	2.6	33