Hiroshi Yokoyama

List of Publications by Year
in descending order

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22	194	1306789	1058022
papers	citations	7	14
		h-index	g-index

22	22	22	107
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluid-acoustic interactions in self-sustained oscillations in turbulent cavity flows. I. Fluid-dynamic oscillations. Physics of Fluids, 2009, 21, .	1.6	38
2	Direct numerical simulation of fluidâ€“acoustic interactions in a recorder with tone holes. Journal of the Acoustical Society of America, 2015, 138, 858-873.	0.5	30
3	Flows around a cascade of flat plates with acoustic resonance. Physics of Fluids, 2013, 25, .	1.6	28
4	Control of cavity flow with acoustic radiation by an intermittently driven plasma actuator. Physics of Fluids, 2020, 32, .	1.6	23
5	Self-sustained oscillations with acoustic feedback in flows over a backward-facing step with a small upstream step. Physics of Fluids, 2007, 19, 106104.	1.6	18
6	Experimental Tests and Aeroacoustic Simulations of the Control of Cavity Tone by Plasma Actuators. Applied Sciences (Switzerland), 2017, 7, 790.	1.3	10
7	Forced-oscillation control of sound radiated from the flow around a cascade of flat plates. Journal of Sound and Vibration, 2018, 431, 248-264.	2.1	10
8	Effects of Freestream Turbulence on Cavity Tone and Sound Source. International Journal of Aerospace Engineering, 2016, 2016, 1-16.	0.5	8
9	Proposition of a New Formula for Frequency Prediction Based on Generation Mechanism of Aerodynamic Sound in Cavity Flows. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2011, 77, 1522-1532.	0.2	7
10	Global numerical simulation of fluid-structure-acoustic interaction in a single-reed instrument. Journal of the Acoustical Society of America, 2021, 149, 1623-1632.	0.5	5
11	Control of Flow around an Oscillating Plate for Lift Enhancement by Plasma Actuators. Applied Sciences (Switzerland), 2019, 9, 776.	1.3	4
12	Measurement of unsteady surface pressure on rotor blades of fans by pressure-sensitive paint. AIP Conference Proceedings, 2017, , .	0.3	3
13	Control of aerodynamic noise from cascade of flat plates by plasma actuators. Transactions of the JSME (in Japanese), 2017, 83, 16-00364-16-00364.	0.1	3
14	Effects of wake-turbine blade interactions on power production of wind turbines. AIP Conference Proceedings, 2017, , .	0.3	2
15	Experimental and Numerical Investigations on Control Methods of Cavity Tone by Blowing Jet in an Upstream Boundary Layer. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 10, 703-711.	0.4	2
16	Suppression of Aerodynamic Tonal Noise from an Automobile Bonnet Using a Plasma Actuator. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 10, 712-720.	0.4	2
17	Acoustic Radiation with Resonance around a Cascade of Flat Plates in a Uniform Flow. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2013, 79, 1419-1433.	0.2	1
18	Self-Sustained Oscillations With Tonal Sound Around a Backward-Facing Step With a Small Upstream Step. , 2007, , 209.		0

#	Article	IF	Citations
19	Fluid-Acoustics Interaction in Self-Sustained Oscillations Over a Cavity in a Turbulent Boundary Layer. , 2008, , .		0
20	A Formula for Prediction of Frequency of Tonal Sound in Cavity Flows With Acoustic Resonance. , 2011, , .		0
21	Role of longitudinal vortices induced by jets in upstream boundary layer on suppression of cavity tone. AIP Conference Proceedings, 2017, , .	0.3	0
22	Direct and Hybrid Aeroacoustic Simulations Around a Rectangular Cylinder. , 0, , .		0