Akiyoshi Iida

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7836947/publications.pdf

Version: 2024-02-01

81	266	1162367	1199166
papers	citations	8 h-index	12 g-index

82	82	82	109
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical analysis of the efficiency of face masks for preventing droplet airborne infections. Physics of Fluids, 2022, 34, .	1.6	8
2	Anisotropic doubleâ€Gaussian analytical wake model for an isolated horizontalâ€axis wind turbine. Energy Science and Engineering, 2022, 10, 2123-2145.	1.9	7
3	Estimation of sibilant groove formation and sound generation from early hominin jawbones. JASA Express Letters, 2022, 2, 045203.	0.5	1
4	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
5	Aeroacoustic differences between the Japanese fricatives [É•] and [Ã§]. Journal of the Acoustical Society of America, 2021, 149, 2426-2436.	0.5	0
6	Numerical investigation of effects of incisor angle on production of sibilant /s/. Scientific Reports, 2021, 11, 16720.	1.6	6
7	A fully coupled fluidâ€“structureâ€“acoustic interaction simulation on reed-type artificial vocal fold. Applied Acoustics, 2021, 184, 108339.	1.7	3
8	Effects of jet angle on harmonic structure of sound radiating from the flute. Acta Acustica, 2021, 5, 11.	0.4	0
9	Hysteresis of aeroacoustic sound generation in the articulation of [s]. Physics of Fluids, 2020, 32, 105114.	1.6	8
10	Analysis of flow and acoustic radiation in reed instruments by compressible flow simulation. Acoustical Science and Technology, 2020, 41, 739-750.	0.3	5
11	Analysis of jet oscillations with acoustic radiation in the recorder by direct aeroacoustic simulations. Journal of the Acoustical Society of America, 2019, 146, 1427-1437.	0.5	12
12	Control of Flow around an Oscillating Plate for Lift Enhancement by Plasma Actuators. Applied Sciences (Switzerland), 2019, 9, 776.	1.3	4
13	Wavenumber-Frequency Spectrum Analysis of Pressure Fields Around an Automobile. , 2019, , .		1
14	Clarification of acoustic source and propagation process of aerodynamic noise radiated from a forward step with an incoming turbulent boundary layer. Transactions of the JSME (in Japanese), 2018, 84, 18-00199-18-00199.	0.1	2
15	Direct aeroacoustic simulation of acoustic radiation in recorders with different windway geometries. Proceedings of Meetings on Acoustics, 2018, , .	0.3	0
16	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
17	Control of aerodynamic noise with feedback loop around the trailing edge of a curved plate with a kink shape by a plasma actuator. Transactions of the JSME (in Japanese), 2018, 84, 18-00121-18-00121.	0.1	1
18	Reducing tonal sound from a cascade of flat plates by varying the thickness ratio of neighboring plates. Noise Control Engineering Journal, 2018, 66, 375-387.	0.2	0

#	Article	IF	Citations
19	Effects of wake-turbine blade interactions on power production of wind turbines. AIP Conference Proceedings, 2017, , .	0.3	2
20	Measurement of unsteady surface pressure on rotor blades of fans by pressure-sensitive paint. AIP Conference Proceedings, 2017, , .	0.3	3
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	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
23	Experimental Tests and Aeroacoustic Simulations of the Control of Cavity Tone by Plasma Actuators. Applied Sciences (Switzerland), 2017, 7, 790.	1.3	10
24	Effects of Freestream Turbulence on Cavity Tone and Sound Source. International Journal of Aerospace Engineering, 2016, 2016, 1-16.	0.5	8
25	Prediction of Aeroacoustical Interior Noise of a Car, Part-1 Prediction of Pressure Fluctuations on External Surfaces of a Car. , 2016, , .		2
26	Effective mixing and aeration in a bioreactor with Taylor vortex flow. Mechanical Engineering Letters, 2016, 2, 16-00412-16-00412.	0.2	0
27	DIRECT AEROACOUSTIC SIMULATION RELATED WITH MODE CHANGE IN A RECORDER. , 2016, , .		0
28	Effects of the spanwise spacing of jets placed in upstream boundary layer on cavity tone. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0910101.	0.0	0
29	Direct simulation of acoustic radiation with a feedback loop around a trailing edge of a curved plate with an upstream kink shape in a laminar boundary layer. Transactions of the JSME (in Japanese), 2015, 81, 15-00148-15-00148.	0.1	3
30	Prediction of Pressure Fluctuation on a Vehicle by Large Eddy Simulation. , 2015, , .		0
31	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
32	J1050103 Effect of the spanwise spacing of small-jets placed in the approaching boundary layer on the noise reduction of cavity. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _J1050103-_J1050103-.	0.0	0
33	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
34	Aerodynamic Sound Sources from Flows around a Rectangular Cylinder with a Low Mach Number. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2013, 79, 344-355.	0.2	2
35	Special Issue on The Forefront of Aerodynamic Noise Research. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2013, 79, 1396-1396.	0.2	0
36	J101044 Numerical simulation of aero-acoustic feedback sound with discrete vortex method. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _J101044-1-_J101044-5.	0.0	0

#	Article	IF	Citations
37	A Formula for Prediction of Frequency of Tonal Sound in Cavity Flows With Acoustic Resonance. , 2011, , .		0
38	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
39	Experimental Evaluation Methods of Aeroacoustic Noise Based on Time Series Analysis of Flow Field. Journal of Environment and Engineering, 2011, 6, 280-290.	0.2	0
40	Study on Aerodynamic Noise of Automobiles. Wind Engineers JAWE, 2011, 36, 250-257.	0.0	1
41	Evaluation of Aerodynamic Properties of Magnus Wind Turbines with Spiral Fins(<Special Issue>The) Tj ETQq1 1 0.784314 rgBT /Over Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 380-382.	0.2	0
42	Experimental Evaluation Methods of Aeroacoustic Noise Based on the Time Series Analysis of Flow Field(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 1436-1445.	0.2	0
43	Reduction of aerodynamic noise from a train car gap. Noise Control Engineering Journal, 2008, 56, 460.	0.2	4
44	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
45	Generation Conditions of Aero-Acoustic Feedback Noise Radiated from a Rear-view Mirror. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1637-1646.	0.2	1
46	Correlation Analysis in terms of Unsteady Aerodynamic Force and Flow Field Around a Flying Insect. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1781-1789.	0.2	1
47	Experimental Investigation of Aerodynamic Noise Generated by a Train-Car Gap. Journal of Fluid Science and Technology, 2007, 2, 464-479.	0.2	15
48	Numerical Study on Securing Evacuation Environment Under Fire at an Inclined Tunnel Part. , 2007, , 1279.		0
49	Measurements of Aeroacoustic Noise and Pressure Fluctuation Generated by a Door-Mirror Model Placed on a Flat Plate. Journal of Environment and Engineering, 2007, 2, 278-292.	0.2	6
50	On the Study of Aerodynamic Noise Measurement of Turbulent Flow Field with a Low-noise Turbulence Generator. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1629-1636.	0.2	3
51	Numerical Estimation of Exhaust Gas Emission From Tunnel Portal With Forced Extraction System. , 2007, , .		3
52	Visualization of aerodynamic noise source in the wake of a rotating cylinder. Journal of Visualization, 2007, 10, 37-38.	1.1	2
53	Visualization of three-dimensional vortex structures around a dragonfly with dynamic PIV. Journal of Visualization, 2007, 10, 159-160.	1.1	3
54	Identification of aerodynamic sound source with a compact Greenâ€™s function. Journal of Visualization, 2007, 10, 161-162.	1.1	1

#	Article	IF	Citations
55	Investigation on Aerodynamic Noise generated by a Train-Car Gap (1st Report, Experimental) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 1943-1951.	0.2	2
56	Measurements of Aero-Acoustic Noise and Pressure Fluctuation Generated by a Door-Mirror Model Placed on a Flat Plate. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2005, 71, 2471-2479.	0.2	3
57	1810 Prediction of performance of vertical axis wind turbine with LES. The Proceedings of the Fluids Engineering Conference, 2005, 2005, 267.	0.0	0
58	G406 Selection of Dominant Genes of Gliders for Birdman Rally Contest. The Proceedings of the Fluids Engineering Conference, 2005, 2005, 302.	0.0	0
59	3818 Effect of Turbulence on Aerodynamic Noise Radiated form a Circular Cylinder. The Proceedings of the JSME Annual Meeting, 2005, 2005.7, 201-202.	0.0	0
60	Prediction of Aerodynamic Noise Radiated From a Vertical-Axis Wind Turbine. , 2003, , 63.		11
61	Visualization of Aerodynamic Sound Source with Compact Green's Function. , 2002, , .		2
62	Visualization of aerodynamic sound source by using Multiresolution Analysis. The Proceedings of Conference of Kanto Branch, 2002, 2002.8, 405-406.	0.0	0
63	Prediction of aerodynamic performance of vertical axis wind turbines. The Proceedings of the JSME Annual Meeting, 2002, 2002.3, 163-164.	0.0	0
64	K-1248 Reduction of Aerodynamic Sound Radiated from a Low-Mach Number Jet. The Proceedings of the JSME Annual Meeting, 2001, V.01.1, 177-178.	0.0	0
65	Analysis of Aerodynamic Sound Source with Measurement of Static-Pressure Fluctuation.. JSME International Journal Series B, 1999, 42, 596-604.	0.3	8
66	Analysis of Aerodynamic Sound Source with Measurement of Static-Pressure Fluctuation.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1998, 64, 2057-2064.	0.2	1
67	Noise Characteristics of Current Collector for High-Speed Railway Using Delta-Shaped Collector Head.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1997, 63, 2679-2686.	0.2	0
68	Experimental Investigation of the Generation Mechanism of Aerodynamic Noise. 2nd Report. On Correlation between Surface Pressure Fluctuation and Aerodynamic Sound Radiated from a Circular Cylinder.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1996, 62, 4160-4167.	0.2	4
69	Experimental Investigation of Generation Mechanism of Aerodynamic Noise. 1st Report. On a Coherent Structure of Surface Pressure Fluctuation on a Circular Cylinder.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1995, 61, 4371-4378.	0.2	8
70	Numerical Prediction of Aerodynamic Sound by Large Eddy Simulation. 1st Report. Aerodynamic Sound Radiated From Two-Dimensional Circular Cylinder.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1994, 60, 126-132.	0.2	8
71	Experimental simulation of atmospheric diffusion. 1st report. On the features of the large-scale turbulence field and mean concentration distribution.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1990, 56, 388-395.	0.2	1
72	Statistical properties of high-Reynolds number turbulent flow fields. 2nd report. Measurement of three-dimentional energy spectra.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1990, 56, 342-350.	0.2	0

#	Article	IF	Citations
73	Statistical properties of high-Reynolds number turbulent flow fields. 3rd report. The self-similarity and universal equilibrium theory.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1990, 56, 351-359.	0.2	0
74	Statistical properties of high reynolds-number turbulent flow fields. 1st report. Verification of the theory of local similarity.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1989, 55, 1847-1854.	0.2	0
75	An experimental study on axisymmetric turbulence. (2nd report. On the scales and the turbulence) Tj ETQq1 1 0.784314 rgBT /Overlock Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1989, 55, 2221-2229.	0.2	0
76	An experimental study on axisymmetric turbulence. 1st report. The generation and decay process of a cigar-shaped axisymmetric turbulence field.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1988, 54, 2408-2415.	0.2	1
77	Evaluation of the characteristic features of a large-scale turbulence field. 2nd Report. On the statistical quantities of the turbulence.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1987, 53, 3180-3186.	0.2	4
78	Evaluation of the characteristic features of a large-scale turbulence field. 1st Report. Performance of the turbulence generator.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1987, 53, 3173-3179.	0.2	5
79	Prediction of Aeroacoustical Interior Noise of a Car, Part-2 Structural and Acoustical Analyses. , 0, , .		2
80	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
81	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