Aiko Yakeno

List of Publications by Year
in descending order

26 papers	429 citations	1162889 8 h-index	940416 16 g-index
26 all docs	26 docs citations	26 times ranked	219 citing authors

#	Article	IF	Citations
1	Application of observability Gramian to targeted observation in WRF data assimilation. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 72, 1697602.	0.8	6
2	Influence of small wavy roughness on flatplate boundary layer natural transition. Journal of Fluid Science and Technology, 2021, 16, JFST0008-JFST0008.	0.2	3
3	Flow characteristics around extremely low fineness-ratio circular cylinders. Physical Review Fluids, 2021, 6, .	1.0	12
4	Drag reduction and transient growth of a streak in a spanwise wall-oscillatory turbulent channel flow. Physics of Fluids, 2021, 33, .	1.6	10
5	Propagation of stationary and traveling waves in a leading-edge boundary layer of a swept wing. Physics of Fluids, 2021, 33, .	1.6	5
6	Mechanisms for turbulent separation control using plasma actuator at Reynolds number of 1.6 Ã— 106. Physics of Fluids, 2019, 31, .	1.6	37
7	Three-Dimensional Global Stability on Stuart Vortex of Free Shear Layer. Springer Proceedings in Physics, 2019, , 9-13.	0.1	0
8	Investigation of Maximum Velocity Induced by Body-Force Fields for Simpler Modeling of Plasma Actuators. , 2018, , .		0
9	Unsteady shear layer flow under excited local body-force for flow-separation control in downstream of a two-dimensional hump. International Journal of Heat and Fluid Flow, 2018, 74, 15-27.	1.1	6
10	Dominant parameters for maximum velocity induced by body-force models for plasma actuators. Theoretical and Computational Fluid Dynamics, 2018, 32, 805-820.	0.9	11
11	Spanwise modulation effects of local body force on downstream turbulence growth around two-dimensional hump. International Journal of Heat and Fluid Flow, 2017, 63, 108-118.	1.1	6
12	Wall-Turbulence Structure with Pressure Gradient Around 2D Hump. Springer Proceedings in Physics, 2016, , 167-171.	0.1	3
13	Computational and experimental analysis of flow structures induced by a plasma actuator with burst modulations in quiescent air. Mechanical Engineering Journal, 2015, 2, 15-00233-15-00233.	0.2	32
14	Mechanisms for laminar separated-flow control using dielectric-barrier-discharge plasma actuator at low Reynolds number. Physics of Fluids, 2015, 27, .	1.6	99
15	LES of Separated-flow Controlled by DBD Plasma Actuator around NACA 0015 over Reynolds Number Range of 10^4-10^6. , 2015, , .		2
16	Multifactorial Effects of Operating Conditions of Dielectric-Barrier-Discharge Plasma Actuator on Laminar-Separated-Flow Control. AIAA Journal, 2015, 53, 2544-2559.	1.5	73
17	Separation control based on turbulence transition around a two-dimensional hump at different Reynolds numbers. International Journal of Heat and Fluid Flow, 2015, 55, 52-64.	1.1	21
18	Effects of interval of spanwise-modulated local forcing on mechanisms of flow separation control. , 2015, , .		1

#	Article	IF	Citations
19	LES on Turbulent Separated Flow around NACA0015 at Reynolds Number 1,600,000 toward Active Flow Control. , 2014, , .		5
20	Effects of Burst Frequency and Momentum Coefficient of DBD Actuator on Control of Deep-stall Flow around NACA0015 at Rec=2.6x10^{5}. , 2014, , .		6
21	Effective Mechanisms for Turbulent-separation Control by DBD Plasma Actuator around NACA0015 at Reynolds Number 1,600,000. , 2014, , .		7
22	Modification of quasi-streamwise vortical structure in a drag-reduced turbulent channel flow with spanwise wall oscillation. Physics of Fluids, 2014, 26, .	1.6	41
23	Massive Parametric Study by LES on Separated-flow Control around Airfoil using DBD Plasma Actuator at Reynolds Number 63,000. , 2013, , .		14
24	Plasma Flow Control Simulation of an Airfoil of Wind Turbine at an Intermediate Reynolds Number. , 2013, , .		8
25	Control Mechanism of Plasma Actuator for Separated Flow around NACA0015 at Reynolds Number 63,000 -Separation Bubble Related Mechanisms-. , 2013, , .		17
26	Mechanism of Drag Reduction by Pre-Determined Spatio-Temporally Periodic Control of Wall Turbulence(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 555-562.	0.2	4