

# Aiko Yakeno

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7870272/publications.pdf>

Version: 2024-02-01

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	Mechanisms for laminar separated-flow control using dielectric-barrier-discharge plasma actuator at low Reynolds number. <i>Physics of Fluids</i> , 2015, 27, .	1.6	99
2	Multifactorial Effects of Operating Conditions of Dielectric-Barrier-Discharge Plasma Actuator on Laminar-Separated-Flow Control. <i>AIAA Journal</i> , 2015, 53, 2544-2559.	1.5	73
3	Modification of quasi-streamwise vortical structure in a drag-reduced turbulent channel flow with spanwise wall oscillation. <i>Physics of Fluids</i> , 2014, 26, .	1.6	41
4	Mechanisms for turbulent separation control using plasma actuator at Reynolds number of $1.6 \times 10^6$ . <i>Physics of Fluids</i> , 2019, 31, .	1.6	37
5	Computational and experimental analysis of flow structures induced by a plasma actuator with burst modulations in quiescent air. <i>Mechanical Engineering Journal</i> , 2015, 2, 15-00233-15-00233.	0.2	32
6	Separation control based on turbulence transition around a two-dimensional hump at different Reynolds numbers. <i>International Journal of Heat and Fluid Flow</i> , 2015, 55, 52-64.	1.1	21
7	Control Mechanism of Plasma Actuator for Separated Flow around NACA0015 at Reynolds Number 63,000 -Separation Bubble Related Mechanisms-. , 2013, , .		17
8	Massive Parametric Study by LES on Separated-flow Control around Airfoil using DBD Plasma Actuator at Reynolds Number 63,000. , 2013, , .		14
9	Flow characteristics around extremely low fineness-ratio circular cylinders. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	12
10	Dominant parameters for maximum velocity induced by body-force models for plasma actuators. <i>Theoretical and Computational Fluid Dynamics</i> , 2018, 32, 805-820.	0.9	11
11	Drag reduction and transient growth of a streak in a spanwise wall-oscillatory turbulent channel flow. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10
12	Plasma Flow Control Simulation of an Airfoil of Wind Turbine at an Intermediate Reynolds Number. , 2013, , .		8
13	Effective Mechanisms for Turbulent-separation Control by DBD Plasma Actuator around NACA0015 at Reynolds Number 1,600,000. , 2014, , .		7
14	Effects of Burst Frequency and Momentum Coefficient of DBD Actuator on Control of Deep-stall Flow around NACA0015 at $Re=2.6 \times 10^5$ . , 2014, , .		6
15	Spanwise modulation effects of local body force on downstream turbulence growth around two-dimensional hump. <i>International Journal of Heat and Fluid Flow</i> , 2017, 63, 108-118.	1.1	6
16	Unsteady shear layer flow under excited local body-force for flow-separation control in downstream of a two-dimensional hump. <i>International Journal of Heat and Fluid Flow</i> , 2018, 74, 15-27.	1.1	6
17	Application of observability Gramian to targeted observation in WRF data assimilation. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 72, 1697602.	0.8	6
18	LES on Turbulent Separated Flow around NACA0015 at Reynolds Number 1,600,000 toward Active Flow Control. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
19	Propagation of stationary and traveling waves in a leading-edge boundary layer of a swept wing. Physics of Fluids, 2021, 33, .	1.6	5
20	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
21	Influence of small wavy roughness on flatplate boundary layer natural transition. Journal of Fluid Science and Technology, 2021, 16, JFST0008-JFST0008.	0.2	3
22	Wall-Turbulence Structure with Pressure Gradient Around 2D Hump. Springer Proceedings in Physics, 2016, , 167-171.	0.1	3
23	LES of Separated-flow Controlled by DBD Plasma Actuator around NACA 0015 over Reynolds Number Range of $10^4$ - $10^6$ . , 2015, , .		2
24	Effects of interval of spanwise-modulated local forcing on mechanisms of flow separation control. , 2015, , .		1
25	Investigation of Maximum Velocity Induced by Body-Force Fields for Simpler Modeling of Plasma Actuators. , 2018, , .		0
26	Three-Dimensional Global Stability on Stuart Vortex of Free Shear Layer. Springer Proceedings in Physics, 2019, , 9-13.	0.1	0