Kozo Fujii

List of Publications by Year
in descending order

328 papers	4,718 citations	117453 34 h-index	161609 54 g-index
334 all docs	334 docs citations	334 times ranked	1632 citing authors

#	Article	IF	Citations
1	In-Flight Demonstration of Stall Improvement Using a Plasma Actuator for a Small Unmanned Aerial Vehicle. Aerospace, 2022, 9, 144.	1.1	9
2	Extraction of Speed-Control Strategy in En-Route Air Traffic using Multi-Objective Optimization and Decision Tree. , 2022, , .		2
3	Computational Study of Wing-Tip Effect for Flow-Control Authority of Dielectric-Barrier-Discharge Plasma Actuator. AIAA Journal, 2021, 59, 104-117.	1.5	5
4	Flow-Control Experiment around Half-Span Wing Model for DBD-PA Application on UAV. , 2021, , .		1
5	Flight Test of UAV with DBD-Pa Flow Control. , 2021, , .		3
6	A high-fidelity body-force modeling approach for plasma-based flow control simulations. Physics of Fluids, 2021, 33, 037115.	1.6	16
7	Computational study on aeroacoustic fields of a transitional supersonic jet. Journal of the Acoustical Society of America, 2021, 149, 4484-4502.	0.5	6
8	Multi-Objective Takeoff Time Optimization Using Cellular Automaton-Based Simulator. IEEE Access, 2021, 9, 79461-79476.	2.6	4
9	Feature extraction of fields of fluid dynamics data using sparse convolutional autoencoder. AIP Advances, 2021, 11, .	0.6	7
10	10.1063/5.0065637.1. , 2021, , .		0
11	Dynamic Burst Actuation to Enhance the Flow Control Authority of Plasma Actuators. Aerospace, 2021, 8, 396.	1.1	8
12	Experimental Study on Application of Distributed Deep Reinforcement Learning to Closed-loop Flow separation Control over an Airfoil. , 2020, , .		5
13	Closed-Loop Flow Separation Control Using the Deep Q Network over Airfoil. AIAA Journal, 2020, 58, 4260-4270.	1.5	28
14	Unique phase behavior of a room-temperature ionic liquid, trimethylpropylammonium bis(fluorosulfonyl)amide: surface melting and its crystallization. Physical Chemistry Chemical Physics, 2020, 22, 20634-20642.	1.3	2
15	Computational Analysis of the Control Authority of Plasma Actuators for Airfoil Flows at Low Angle of Attack. , 2020, , .		4
16	Separated Flow Control of Small Horizontal-Axis Wind Turbine Blades Using Dielectric Barrier Discharge Plasma Actuators. Energies, 2020, 13, 1218.	1.6	11
17	Model comparison of DBD-PA-induced body force in quiescent air and separated flow over NACA0015. , 2020, , .		0
18	Unified mechanisms for separation control around airfoil using plasma actuator with burst actuation over Reynolds number range of 103–106. Physics of Fluids, 2020, 32, .	1.6	52

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19	Aerodynamics of Owl-like Wing Model at Low Reynolds Numbers. Transactions of the Japan Society for Aeronautical and Space Sciences, 2020, 63, 8-17.	0.4	6
20	Flow-control capability of electronic-substrate-sized power supply for a plasma actuator. Sensors and Actuators A: Physical, 2020, 306, 111951.	2.0	12
21	Aerodynamic drag reduction of a simplified vehicle model by promoting flow separation using plasma actuator. Mechanical Engineering Letters, 2019, 5, 19-00354-19-00354.	0.2	3
22	Computational Study of Wing Tip Effect for the Flow Control Authority of DBD Plasma Actuator. , 2019, , .		0
23	Mechanisms for turbulent separation control using plasma actuator at Reynolds number of 1.6 Ã— 106. Physics of Fluids, 2019, 31, .	1.6	37
24	Large eddy simulation of acoustic waves generated from a hot supersonic jet. Shock Waves, 2019, 29, 1133-1154.	1.0	21
25	Preliminary Study of Multi-Objective Air Traffic Optimization by Using Step Back Cellular Automaton. , 2019, , .		1
26	Evaluations of Shape Parameter of Groove for Reducing Noise Generated From Rotating Tires. , 2019, , .		0
27	Some Consideration on the Aerodynamic Design of Blast Wave Simulator Using a Shock Tube System. , 2019, , .		0
28	Experimental Investigation for the Better Control of Flows Over a Simplified Vehicle Configuration With Dielectric Barrier Discharge Plasma Actuator. , 2019, , .		0
29	A Study of Air Traffic Simulation Around Haneda Airport using Step Back Cellular Automaton. , 2018, , .		2
30	Feed-back Control of Stall Separation with DBD Plasma Actuator by Detecting Vortex Passing over an Airfoil. , 2018, , .		0
31	Large-Eddy Simulations of Flow Control Effects of a DBD Plasma Actuator at Various Burst Frequencies on a Dynamic Flowfield around a Pitching NACA0012 Airfoil at Reynolds Number of 256,000. , 2018, , .		2
32	Experimental Analysis of Burst Actuation for Separation Control around a Pitching NACA0015 Airfoil Using a DBD Plasma Actuator at low Reynolds number. , 2018, , .		1
33	Investigation of Maximum Velocity Induced by Body-Force Fields for Simpler Modeling of Plasma Actuators. , 2018, , .		0
34	Effect of Mach Number on Airfoil Characteristics at Reynolds Number of 3,000. Transactions of the Japan Society for Aeronautical and Space Sciences, 2018, 61, 258-267.	0.4	8
35	Identification of Acoustic Wave Propagation Pattern of a Supersonic Jet Using Frequency-Domain POD. Transactions of the Japan Society for Aeronautical and Space Sciences, 2018, 61, 281-284.	0.4	8
36	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

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37	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
38	Preliminary Experimental Study on Closed-loop Flow Separation Control Utilizing Deep Q-Network over Fixed Angle-of-Attack Airfoil. , 2018, , .		0
39	Three Flow Features behind the Flow Control Authority of DBD Plasma Actuator: Result of High-Fidelity Simulations and the Related Experiments. Applied Sciences (Switzerland), 2018, 8, 546.	1.3	34
40	Experimental Study of Burst Ratio Effect for Dielectric-Barrier-Discharge Plasma Actuator for Separation Control. , 2017, , .		3
41	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
42	Burst-Mode Frequency Effects of Dielectric Barrier Discharge Plasma Actuator for Separation Control. AIAA Journal, 2017, 55, 1385-1392.	1.5	72
43	Characteristic finite-difference WENO scheme for multicomponent compressible fluid analysis: Overestimated quasi-conservative formulation maintaining equilibriums of velocity, pressure, and temperature. Journal of Computational Physics, 2017, 340, 358-388.	1.9	17
44	Comparative studies of numerical methods for evaluating aerodynamic characteristics of two-dimensional airfoil at low Reynolds numbers. International Journal of Computational Fluid Dynamics, 2017, 31, 57-67.	0.5	9
45	Experimental Study of Separation Control Over a Wide Range of Reynolds Numbers Using Dielectric Barrier Discharge Plasma Actuator on Airfoil. , 2017, , .		0
46	Experimental Analysis of Closed-Loop Flow Control Around Airfoil Using DBD Plasma Actuator. , 2017, , .		4
47	Plasma-Actuator Burst-Mode Frequency Effects on Leading-Edge Flow-Separation Control at Reynolds Number 2.6Ã—105. AIAA Journal, 2017, 55, 3789-3806.	1.5	28
48	Data Mining of Experimental Data on Separation Control of the Flows Over NACA0015 and Ishii Airfoils Using Dielectric Barrier Discharge Plasma Actuator. , 2017, , .		0
49	Experimental Study on the Detailed Structure of Separation Bubble in Flow Control with DBD Plasma Actuator. , 2017, , .		0
50	Study on the Sensing Parameters toward Better Feed-back Control of Stall Separation with DBD Plasma Actuator. , 2017, , .		1
51	Large-Eddy Simulation of NACA 0015 Airfoil Flow at Reynolds Number of 1.6Ã—106. AIAA Journal, 2017, 55, 673-679.	1.5	17
52	Effects of discrete design-variable precision on real-coded Genetic Algorithm. , 2016, , .		3
53	Conservative high-order flux-reconstruction schemes on moving and deforming grids. Computers and Fluids, 2016, 139, 2-16.	1.3	5
54	Two- and Three-Dimensional Numerical Analysis for Flow Field Characteristics at Various Low Reynolds Numbers. Springer Proceedings in Physics, 2016, , 603-611.	0.1	0

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55	Multi-Objective Aeroacoustic Design Exploration of Launch-Pad Flame Deflector Using Large-Eddy Simulation. Journal of Spacecraft and Rockets, 2016, 53, 751-758.	1.3	20
56	High-speed jet noise. Mechanical Engineering Reviews, 2016, 3, 15-00496-15-00496.	4.7	96
57	Control of dynamic flowfield around a pitching NACA<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mn>63</mml:mn><mml:mn>3</mml:mn></mml:msub><mml:mspace width="0.16em" /><mml:mo>â˜</mml:mo><mml:mspace width="0.16em" /><mml:mn>618</mml:mn></mml:mrow></mml:math> airfoil by a DBD plasma actuator. International Journal of Heat and Fluid Flow, 2016, 62, 10-2	1.1	17
58	Multiobjective Design Exploration of Propeller Airfoils at Low-Reynolds and High-Mach Number Conditions towards Mars Airplane. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pk_47-Pk_53.	0.1	1
59	Mach Number Dependence on Sound Sources in High Mach Number Turbulent Mixing Layer. , 2016, , .		3
60	Control of Airfoil Flow at Cruise Condition by DBD Plasma Actuator - Sophisticated Airfoil vs. Simple Airfoil with Flow Control -. , 2016, , .		3
61	Control of Dynamically Stalled Flowfield around a Pitching Airfoil by DBD Plasma Actuator. , 2016, , .		2
62	Effects of Disturbed Nozzle-exit Boundary Layers on Acoustic Waves from Ideally-expanded Supersonic Jet. , 2016, , .		4
63	NMR Study on Ion Dynamics and Phase Behavior of a Piperidinium-Based Room-Temperature Ionic Liquid: 1-Butyl-1-methylpiperidinium Bis(fluorosulfonyl)amide. Journal of Physical Chemistry B, 2016, 120, 5710-5719.	1.2	15
64	Significance of Computational Spanwise Domain Length on LES for the Flowfield with Large Vortex Structure. , 2016, , .		8
65	Experimental Study of Effects of Frequency for Burst Wave on a DBD Plasma Actuator for Separation. , 2016, , .		0
66	Plate-Angle Effects on Acoustic Waves from Supersonic Jets Impinging on Inclined Plates. AIAA Journal, 2016, 54, 816-827.	1.5	32
67	Wall-Turbulence Structure with Pressure Gradient Around 2D Hump. Springer Proceedings in Physics, 2016, , 167-171.	0.1	3
68	Computational Studies on Flow Separation Controls at Relatively Low Reynolds Number Regime. , 2016, , 166-176.		0
69	Linear Stability Analyses and Large Eddy Simulations for Acoustic Wave Generation Mechanism of a Transitional Supersonic Jet. Springer Proceedings in Physics, 2016, , 407-412.	0.1	0
70	Data Mining of Separation Control Parameter of Airfoil under Low Reynolds Number Condition by DBD Plasma Actuator. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, S0530102.	0.0	0
71	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
72	Mechanisms for laminar separated-flow control using dielectric-barrier-discharge plasma actuator at low Reynolds number. Physics of Fluids, 2015, 27, .	1.6	99

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73	Nozzle-to-Ground Distance Effect on Nondominated Solutions of Multiobjective Aeroacoustic Flame Deflector Design Problem. , 2015, , .		4
74	Validation of Numerical Analysis to Estimate Airfoil Aerodynamic Characteristics at Low Reynolds Number Region. , 2015, , .		0
75	LES of transient flows controlled by DBD plasma actuator over a stalled airfoil. International Journal of Computational Fluid Dynamics, 2015, 29, 215-229.	0.5	29
76	Multiobjective Design Exploration of a Many-objective Space Trajectory Problem for Low-Thrust Spacecraft Using MOEA with Large Populations. , 2015, , .		0
77	Mechanisms of surface pressure distribution within a laminar separation bubble at different Reynolds numbers. Physics of Fluids, 2015, 27, .	1.6	54
78	A ranking method based on two preference criteria: Chebyshev function and ε-indicator. , 2015, , .		8
79	Comparison of Numerical Methods Evaluating Airfoil Aerodynamic Characteristics at Low Reynolds Number. Journal of Aircraft, 2015, 52, 296-306.	1.7	22
80	Design Exploration of a DBD Plasma Actuator for Massive Separation Control. , 2015, , .		1
81	LES of Separated-flow Controlled by DBD Plasma Actuator around NACA 0015 over Reynolds Number Range of 10^4-10^6. , 2015, , .		2
82	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
83	Contribution of large-scale vortex and fine-scale turbulent structure in separated flow control using DBD plasma actuator. , 2015, , .		1
84	Fully-conservative High-order FR Scheme on Moving and Deforming Grids. , 2015, , .		2
85	A Finite Difference WENO Scheme Maintaining Velocity, Pressure and Temperature Equilibrium in Multicomponent Compressible Fluid Analysis. , 2015, , .		0
86	Spatial Growth of the Spanwise Disturbance Induced by a Synthetic Jet on Separation Control over an Airfoil. , 2015, , .		0
87	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
88	Anion and cation dynamics of sulfonylamide-based ionic liquids and the solidâ€"liquid transitions. Physical Chemistry Chemical Physics, 2015, 17, 8750-8757.	1.3	8
89	Phase Behavior of a Piperidinium-Based Room-Temperature Ionic Liquid Exhibiting Scanning Rate Dependence. Journal of Physical Chemistry B, 2015, 119, 12552-12560.	1.2	24
90	On the freestream preservation of high-order conservative flux-reconstruction schemes. Journal of Computational Physics, 2015, 281, 28-54.	1.9	22

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91	A new technique for freestream preservation of finite-difference WENO on curvilinear grid. Computers and Fluids, 2015, 107, 242-255.	1.3	49
92	The effects of actuation frequency on the separation control over an airfoil using a synthetic jet. , 2015, , .		4
93	S0530304 Experimental Study of Separated-flow Control Mechanism of a DBD Plasma Actuator for Burst Actuation. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _S0530304--_S0530304-.	0.0	2
94	Generation of Acoustic Disturbances in Supersonic Laminar Cavity Flows. International Journal of Acoustics and Vibrations, 2015, 20, .	0.3	0
95	Multiobjective Design Exploration of an Aeroacoustic Design Problem for Rocket Launch Site with Evolutionary Computation and Large Eddy Simulations. , 2014, , .		1
96	Computational Prediction of Acoustic Waves from a Subscale Rocket Motor. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, Pe_11-Pe_17.	0.1	5
97	Analysis of Owl-like Airfoil Aerodynamics at Low Reynolds Number Flow. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, Tk_35-Tk_40.	0.1	4
98	Planetary Atmosphere Wind Tunnel Tests on Aerodynamic Characteristics of a Mars Airplane Scale Model. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, Pk_7-Pk_12.	0.1	11
99	LES on Turbulent Separated Flow around NACA0015 at Reynolds Number 1,600,000 toward Active Flow Control. , 2014, , .		5
100	High-performance computing-based exploration of flow control with micro devices. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130326.	1.6	31
101	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
102	Effective Mechanisms for Turbulent-separation Control by DBD Plasma Actuator around NACA0015 at Reynolds Number 1,600,000. , 2014, , .		7
103	Computational and Experimental Analysis of a High-Performance Airfoil Under Low-Reynolds-Number Flow Condition. Journal of Aircraft, 2014, 51, 1864-1872.	1.7	72
104	Geometric interpretations and spatial symmetry property of metrics in the conservative form for high-order finite-difference schemes on moving and deforming grids. Journal of Computational Physics, 2014, 260, 163-203.	1.9	60
105	Many-objective evolutionary computation for optimization of separated-flow control using a DBD plasma actuator. , 2014, , .		7
106	A simple interface sharpening technique with a hyperbolic tangent function applied to compressible two-fluid modeling. Journal of Computational Physics, 2014, 258, 95-117.	1.9	46
107	Effect of Burst Frequency and Reynolds Number on Flow Control Authority of DBD Plasma Actuator on NACA0012 Airfoil. , 2014, , .		0
108	Relation Between Sound Sources and Vortical Structures in Isotropic Compressible Turbulence. , 2014, , .		1

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109	Control surface effectiveness of low Reynolds number flight vehicles. Journal of Fluid Science and Technology, 2014, 9, JFST0072-JFST0072.	0.2	9
110	Crystal Structure of 1,3-Dimethylimidazolium Bis(fluorosulfonyl)amide: Unexpectedly High Melting Point Arising from Polydentate Hydrogen Bonding. Chemistry Letters, 2014, 43, 405-407.	0.7	11
111	Experimental Study of a Nano-second Pulse Plasma Actuator for Low Reynolds Number Flow Control. , 2014, , .		5
112	A New Technique for Finite Difference WENO with Geometric Conservation Law. , 2013, , .		0
113	Robust explicit formulation of weighted compact nonlinear scheme. Computers and Fluids, 2013, 85, 8-18.	1.3	88
114	Mach-Number Effects on Vortex Breakdown in Subsonic Flows over Delta Wings. AIAA Journal, 2013, 51, 2281-2286.	1.5	3
115	Massive Parametric Study by LES on Separated-flow Control around Airfoil using DBD Plasma Actuator at Reynolds Number 63,000. , 2013, , .		14
116	Feedback Mechanism in Supersonic Laminar Cavity Flows. AIAA Journal, 2013, 51, 253-257.	1.5	23
117	On the feedback mechanism in supersonic cavity flows. Physics of Fluids, 2013, 25, .	1.6	32
118	Conservative metric evaluation for high-order finite difference schemes with the GCL identities on moving and deforming grids. Journal of Computational Physics, 2013, 232, 14-21.	1.9	29
119	DBD Plasma Actuator Multi-Objective Design Optimization at Reynolds Number 63,000: Baseline Case. , 2013, , .		2
120	Plasma Flow Control Simulation of an Airfoil of Wind Turbine at an Intermediate Reynolds Number. , 2013, , .		8
121	Large-Eddy Simulations of Owl-Like Wing Under Low Reynolds Number Conditions. , 2013, , .		9
122	Effects of Inflow Shear Layer Parameters on a Transitional Supersonic Jet with a Moderate Reynolds Number. , 2013, , .		5
123	A non-equilibrium dynamic wall-model for LES of high Reynolds number airfoil flow near stall condition. , 2013, , .		1
124	Significance of Three-dimensional Unsteady Flows inside the Cavity on Separated-flow Control around an NACA0015 using a Synthetic Jet. , 2013, , .		5
125	Effect of Wing Planform on Aerodynamic Characteristics at Low Reynolds Numbers using a Low Density Wind Tunnel. , 2013, , .		1
126	Control Mechanism of Plasma Actuator for Separated Flow around NACA0015 at Reynolds Number 63,000 -Separation Bubble Related Mechanisms-. , 2013, , .		17

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127	Mechanism of controlling supersonic cavity oscillations using upstream mass injection. Physics of Fluids, 2013, 25, .	1.6	22
128	Space trajectory design: Analysis of a real-world many-objective optimization problem. , 2013, , .		8
129	Scaling Analysis of Propeller-Driven Aircraft for Mars Exploration. Journal of Aircraft, 2013, 50, 1593-1604.	1.7	14
130	Large-Eddy Simulation of Low-Reynolds-Number Flow Over Thick and Thin NACA Airfoils. Journal of Aircraft, 2013, 50, 187-196.	1.7	74
131	An Alternative Preference Relation to Deal with Many-Objective Optimization Problems. Lecture Notes in Computer Science, 2013, , 291-306.	1.0	19
132	A New Multiobjective Genetic Programming for Extraction of Design Information from Non-dominated Solutions. Lecture Notes in Computer Science, 2013, , 528-542.	1.0	3
133	Analysis of Acoustic-Fields Generated by a Supersonic Jet Impinging on Flat and Curved Inclined Plates. International Journal of Aerospace and Lightweight Structures (IJALS), 2013, 3, 357.	0.1	7
134	An Effective Three-Dimensional Layout of Actuation Body Force for Separation Control. International Journal of Aerospace Engineering, 2012, 2012, 1-12.	0.5	16
135	Burst Frequency Effect of DBD Plasma Actuator on the Control of Separated Flow over an Airfoil. , 2012, , .		10
136	Comparative Study of Co-flow and Counter Blowing DBD Plasma Actuators for Separated Flow over an Airfoil. , 2012, , .		9
137	Computational Analysis of Vortex Structures Induced by a Synthetic Jet to Control Separated Flows. International Journal of Flow Control, 2012, 4, 47-66.	0.4	11
138	Ultraslow Dynamics at Crystallization of a Room-Temperature Ionic Liquid, 1-Butyl-3-methylimidazolium Bromide. Journal of Physical Chemistry B, 2012, 116, 3991-3997.	1.2	30
139	Role of RANS, Hybrid and LES for Wing Flow Simulations at Relatively Low Reynolds Numbers. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2012, , 45-57.	0.2	0
140	Aerodynamic Design Exploration for Reusable Launch Vehicle Using Genetic Algorithm with Navier Stokes Solver. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2012, 10, Pe_55-Pe_63.	0.1	2
141	Numerical (error) issues on compressible multicomponent flows using a high-order differencing scheme: Weighted compact nonlinear scheme. Journal of Computational Physics, 2012, 231, 3181-3210.	1.9	52
142	Numerical Investigation of Asymmetric Separation Vortices over Slender Body by RANS/LES Hybrid Simulation. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2012, 10, Pe_89-Pe_96.	0.1	2
143	Computational Study of Effects of Nondimensional Parameters on Synthetic Jets. Transactions of the Japan Society for Aeronautical and Space Sciences, 2012, 55, 1-11.	0.4	8
144	Effects of Turbulent Inflow Conditions on Feedback-Loop Mechanisms in Supersonic Cavity Flows. , 2012, , 217-223.		0

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145	Effects of Shear-Layer Characteristic on the Feedback-loop Mechanism in Supersonic Open Cavity Flows. , 2011, , .		7
146	Multidisciplinary and Multi-objective Design Exploration Methodology for Conceptual Design of a Hybrid Rocket. , 2011, , .		29
147	Computational Study of Effects of Near-wall Turbulent Structure on Aeroacoustic Waves from a Supersonic Jet Impinging on a Inclined Plate. , 2011, , .		7
148	Effects of Plate Angles on Acoustic Waves from a Supersonic Jet Impinging on an Inclined Flat Plate. , 2011, , .		9
149	Experimental Study of Effects of Frequency for Burst Wave on DBD Plasma Actuator for Separation Control. , 2011, , .		7
150	Mach Number Effects on Vortex Breakdown in Subsonic Flow over a Delta Wing. , 2011, , .		0
151	Effective Three-dimensional Layout of Imaginary Body Force for Separation Control. , 2011, , .		1
152	Aerodynamic Design Exploration for Reusable Launch Vehicle Using Multi-Objective Genetic Programming. , 2011, , .		1
153	An Acoustic Impedance Model for Evaluating the Ground Effect of Static-Firing Tests on a Rocket Motor. Transactions of the Japan Society for Aeronautical and Space Sciences, 2011, 54, 120-129.	0.4	2
154	Aeroacoustic Waves Generated from a Supersonic Jet Impinging on an Inclined Flat Plate. International Journal of Aeroacoustics, 2011, 10, 401-425.	0.8	65
155	Computational Study of Flow Characteristics of Thick and Thin Airfoil With Implicit Large-Eddy Simulation at Low Reynolds Number. , 2011, , .		4
156	Experimental Study of Blowing Direction Effects of DBD Plasma Actuator on Separation Control of Flow Around an Airfoil. , 2011, , .		1
157	Computational Study of Aerodynamic Characteristics of an Airfoil With DBD Plasma Actuator. , 2011, , .		2
158	Overexpansion Effects on Characteristics of Mach Waves from a Supersonic Cold Jet. AIAA Journal, 2011, 49, 2282-2294.	1.5	36
159	Three-Dimensional Wing Design Towards the Future Mars Airplane. , 2011, , .		0
160	Toward accurate simulation and analysis of strong acoustic wave phenomena—A review from the experience of our study on rocket problems. International Journal for Numerical Methods in Fluids, 2010, 64, 1412-1432.	0.9	20
161	Freestream and vortex preservation properties of high-order WENO and WCNS on curvilinear grids. Computers and Fluids, 2010, 39, 197-214.	1.3	160
162	Computational Analysis of Mach Number Effects on the Edgetone Phenomenon. AIAA Journal, 2010, 48, 1248-1251.	1.5	9

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163	Data Mining of Pareto-Optimal Transonic Airfoil Shapes Using Proper Orthogonal Decomposition. Journal of Aircraft, 2010, 47, 1756-1762.	1.7	70
164	Computational Study on Effect of Synthetic Jet Design Parameters. International Journal of Aerospace Engineering, 2010, 2010, 1-11.	0.5	13
165	Recent Efforts in Rocket Plume Acoustics. , 2010, , 421-446.		1
166	Flow Field Data Mining of Pareto-Optimal Airfoils Using Proper Orthogonal Decomposition. , 2010, , .		6
167	POD of Aeroacoustic Fields of a Jet Impinging on an Inclined Plate. , 2010, , .		10
168	Aerodynamic Shape Design of the Vertical Landing Rocket Vehicle. , 2010, , .		0
169	Acoustic Waves from a Supersonic Jet Impinging on an Inclined Flat Plate. , 2010, , .		4
170	Computational Analysis of Unsteady Flow-Field Induced by Plasma Actuator in Burst Mode. , 2010, , .		30
171	LES Study of Feedback-loop Mechanism of Supersonic Open Cavity Flows. , 2010, , .		9
172	Computational Study of the Synthetic Jet on Separated Flow Over a Backward-Facing Step. , 2010, , .		1
173	An Acoustic Impedance Model for Evaluating Ground Effect of Static-Firing Tests on Rocket Motors. Journal of the Japan Society for Aeronautical and Space Sciences, 2010, 58, 100-108.	0.0	0
174	Aerodynamic Multiobjective Design Exploration of a Flapping Airfoil Using a Navier-Stokes Solver. Journal of Aerospace Computing, Information, and Communication, 2009, 6, 256-270.	0.8	29
175	Computational Study of Frequency and Amplitude Effects on Separation Flow Control With the Synthetic Jet. , 2009, , .		2
176	Data mining of non-dominated solutions using proper orthogonal decomposition. , 2009, , .		0
177	Effects of difference scheme type in high-order weighted compact nonlinear schemes. Journal of Computational Physics, 2009, 228, 3533-3539.	1.9	96
178	Improvements in the Reliability and Efficiency of Body-fitted Cartesian Grid Method. , 2009, , .		8
179	Detailed Analysis of Flat Plate Pressure Peaks Created by Supersonic Jet Impingements. , 2009, , .		6
180	Computational Analysis of Characteristics of Mach Wave Sources in Supersonic Free-Jets. , 2009, , .		2

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181	Acoustic Measurement and Prediction of Solid Rockets in Static Firing Tests. , 2009, , .		16
182	Data Mining of Pareto-Optimal Transonic Airfoil Shapes Using Proper Orthogonal Decomposition. , 2009, , .		10
183	Airfoil Flow Experiment on the Duty Cycle of DBD Plasma Actuator. , 2009, , .		35
184	Propulsion by an Oscillating Thin Airfoil at Low Reynolds Number. , 2009, , 241-246.		0
185	CFD contributions to high-speed shock-related problems. , 2009, , 11-18.		0
186	CFD contributions to high-speed shock-related problems. Shock Waves, 2008, 18, 145-154.	1.0	9
187	Development of Multi-Objective Six Sigma Approach for Robust Design Optimization. Journal of Aerospace Computing, Information, and Communication, 2008, 5, 215-233.	0.8	21
188	Aerodynamic Characteristics of a Delta Wing at High Angles of Attack. , 2008, , .		4
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