

Kozo Fujii

List of Publications by Year in descending order

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328
papers

4,718
citations

117571

34
h-index

161767

54
g-index

334
all docs

334
docs citations

334
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Freestream and vortex preservation properties of high-order WENO and WCNS on curvilinear grids. <i>Computers and Fluids</i> , 2010, 39, 197-214.	1.3	160
2	Numerical investigation of three-dimensional compressible flows induced by a train moving into a tunnel. <i>Computers and Fluids</i> , 1997, 26, 565-585.	1.3	114
3	Unified Zonal Method Based on the Fortified Solution Algorithm. <i>Journal of Computational Physics</i> , 1995, 118, 92-108.	1.9	102
4	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
5	Numerical investigation of supersonic flows around a spiked blunt body. <i>Journal of Spacecraft and Rockets</i> , 1995, 32, 32-42.	1.3	97
6	Effects of difference scheme type in high-order weighted compact nonlinear schemes. <i>Journal of Computational Physics</i> , 2009, 228, 3533-3539.	1.9	96
7	High-speed jet noise. <i>Mechanical Engineering Reviews</i> , 2016, 3, 15-00496-15-00496.	4.7	96
8	Robust explicit formulation of weighted compact nonlinear scheme. <i>Computers and Fluids</i> , 2013, 85, 8-18.	1.3	88
9	High-resolution upwind scheme for vortical-flow simulations. <i>Journal of Aircraft</i> , 1989, 26, 1123-1129.	1.7	87
10	Progress and future prospects of CFD in aerospace—Wind tunnel and beyond. <i>Progress in Aerospace Sciences</i> , 2005, 41, 455-470.	6.3	86
11	Computational Study of a Supersonic Base Flow Using Hybrid Turbulence Methodology. <i>AIAA Journal</i> , 2005, 43, 1265-1275.	1.5	77
12	Compact Scheme with Filtering for Large-Eddy Simulation of Transitional Boundary Layer. <i>AIAA Journal</i> , 2008, 46, 690-700.	1.5	75
13	Large-Eddy Simulation of Low-Reynolds-Number Flow Over Thick and Thin NACA Airfoils. <i>Journal of Aircraft</i> , 2013, 50, 187-196.	1.7	74
14	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
15	Computational and Experimental Analysis of a High-Performance Airfoil Under Low-Reynolds-Number Flow Condition. <i>Journal of Aircraft</i> , 2014, 51, 1864-1872.	1.7	72
16	Burst-Mode Frequency Effects of Dielectric Barrier Discharge Plasma Actuator for Separation Control. <i>AIAA Journal</i> , 2017, 55, 1385-1392.	1.5	72
17	Data Mining of Pareto-Optimal Transonic Airfoil Shapes Using Proper Orthogonal Decomposition. <i>Journal of Aircraft</i> , 2010, 47, 1756-1762.	1.7	70
18	Flow features of shock-induced combustion around projectile traveling at hypervelocities. <i>AIAA Journal</i> , 1995, 33, 1056-1063.	1.5	65

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19	Aeroacoustic Waves Generated from a Supersonic Jet Impinging on an Inclined Flat Plate. <i>International Journal of Aeroacoustics</i> , 2011, 10, 401-425.	0.8	65
20	Improvements in efficiency and reliability for Navier-Stokes computations using the LU-ADI factorization algorithm. , 1986, , .		61
21	Geometric interpretations and spatial symmetry property of metrics in the conservative form for high-order finite-difference schemes on moving and deforming grids. <i>Journal of Computational Physics</i> , 2014, 260, 163-203.	1.9	60
22	Numerical simulation of vortical flows over a strake-delta wing. <i>AIAA Journal</i> , 1989, 27, 1153-1162.	1.5	57
23	New Constraint-Handling Method for Multi-Objective and Multi-Constraint Evolutionary Optimization. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2007, 50, 56-62.	0.4	56
24	Practical applications of new LU-ADI scheme for the three-dimensional Navier-Stokes computation of transonic viscous flows. , 1986, , .		54
25	Aerodynamics of high speed trains passing by each other. <i>Computers and Fluids</i> , 1995, 24, 897-908.	1.3	54
26	Mechanisms of surface pressure distribution within a laminar separation bubble at different Reynolds numbers. <i>Physics of Fluids</i> , 2015, 27, .	1.6	54
27	Numerical (error) issues on compressible multicomponent flows using a high-order differencing scheme: Weighted compact nonlinear scheme. <i>Journal of Computational Physics</i> , 2012, 231, 3181-3210.	1.9	52
28	Unified mechanisms for separation control around airfoil using plasma actuator with burst actuation over Reynolds number range of $10^3 \leq Re \leq 10^6$. <i>Physics of Fluids</i> , 2020, 32, .	1.6	52
29	A new technique for freestream preservation of finite-difference WENO on curvilinear grid. <i>Computers and Fluids</i> , 2015, 107, 242-255.	1.3	49
30	Experimental Study of Underexpanded Supersonic Jet Impingement on an Inclined Flat Plate. <i>AIAA Journal</i> , 2006, 44, 2691-2699.	1.5	48
31	Numerical Analysis of Dynamic Stability of a Reentry Capsule at Transonic Speeds. <i>AIAA Journal</i> , 2001, 39, 646-653.	1.5	47
32	A simple interface sharpening technique with a hyperbolic tangent function applied to compressible two-fluid modeling. <i>Journal of Computational Physics</i> , 2014, 258, 95-117.	1.9	46
33	Computations of Axisymmetric Plug-Nozzle Flowfields: Flow Structures and Thrust Performance. <i>Journal of Propulsion and Power</i> , 2002, 18, 254-260.	1.3	45
34	Navier-Stokes simulations of transonic flows over a practical wing configuration. <i>AIAA Journal</i> , 1987, 25, 369-370.	1.5	38
35	Mechanisms for turbulent separation control using plasma actuator at Reynolds number of 1.6×10^6 . <i>Physics of Fluids</i> , 2019, 31, .	1.6	37
36	Detailed mechanism of the unsteady combustion around hypersonic projectiles. <i>AIAA Journal</i> , 1996, 34, 2082-2089.	1.5	36

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37	Overexpansion Effects on Characteristics of Mach Waves from a Supersonic Cold Jet. AIAA Journal, 2011, 49, 2282-2294.	1.5	36
38	Airfoil Flow Experiment on the Duty Cycle of DBD Plasma Actuator. , 2009, , .		35
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	A Study on Airfoil Design for Future Mars Airplane. , 2006, , .		33
41	On the feedback mechanism in supersonic cavity flows. Physics of Fluids, 2013, 25, .	1.6	32
42	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
43	Plate-Angle Effects on Acoustic Waves from Supersonic Jets Impinging on Inclined Plates. AIAA Journal, 2016, 54, 816-827.	1.5	32
44	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
45	Time-Series and Time-Averaged Characteristics of Subsonic to Supersonic Base Flows. AIAA Journal, 2007, 45, 289-301.	1.5	30
46	Computational Analysis of Unsteady Flow-Field Induced by Plasma Actuator in Burst Mode. , 2010, , .		30
47	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
48	Computational study of large-disturbance oscillations in unsteady supersonic combustion around projectiles. AIAA Journal, 1995, 33, 1828-1835.	1.5	29
49	Analysis and Prediction of Thin-Airfoil Stall Phenomena with Hybrid Turbulence Methodology. AIAA Journal, 2005, 43, 953-961.	1.5	29
50	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
51	Multidisciplinary and Multi-objective Design Exploration Methodology for Conceptual Design of a Hybrid Rocket. , 2011, , .		29
52	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
53	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
54	Mechanism of Dynamic Instability of a Reentry Capsule at Transonic Speeds. AIAA Journal, 2002, 40, 2467-2475.	1.5	28

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55	Plasma-Actuator Burst-Mode Frequency Effects on Leading-Edge Flow-Separation Control at Reynolds Number 2.6Å–105. AIAA Journal, 2017, 55, 3789-3806.	1.5	28
56	Closed-Loop Flow Separation Control Using the Deep Q Network over Airfoil. AIAA Journal, 2020, 58, 4260-4270.	1.5	28
57	Navier-Stokes simulations of transonic flows over a wing-fuselage combination. AIAA Journal, 1987, 25, 1587-1596.	1.5	27
58	Generation and Propagation of Pressure Waves from H-IIA Launch Vehicle at Lift-Off. , 2008, , .		27
59	Numerical simulation of vortical flows over a strake-delta wing. , 1987, , .		24
60	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
61	Visualization for computational fluid dynamics and the comparison with experiments. , 1990, , .		23
62	Efficiency Improvement of Unified Implicit Relaxation/Time Integration Algorithms. AIAA Journal, 1999, 37, 125-128.	1.5	23
63	Computational Study of a Supersonic Base Flow Using LES/RANS Hybrid Methodology. , 2004, , .		23
64	Feedback Mechanism in Supersonic Laminar Cavity Flows. AIAA Journal, 2013, 51, 253-257.	1.5	23
65	Increasing Order of Accuracy of Weighted Compact Non-Linear Scheme. , 2007, , .		22
66	Mechanism of controlling supersonic cavity oscillations using upstream mass injection. Physics of Fluids, 2013, 25, .	1.6	22
67	Comparison of Numerical Methods Evaluating Airfoil Aerodynamic Characteristics at Low Reynolds Number. Journal of Aircraft, 2015, 52, 296-306.	1.7	22
68	On the freestream preservation of high-order conservative flux-reconstruction schemes. Journal of Computational Physics, 2015, 281, 28-54.	1.9	22
69	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
70	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
71	Large eddy simulation of acoustic waves generated from a hot supersonic jet. Shock Waves, 2019, 29, 1133-1154.	1.0	21
72	A New Efficient and Useful Robust Optimization Approach - Design for Multi-Objective Six Sigma. , 0, , .		20

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73	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
74	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
75	Evaluation of Navier-Stokes and Euler solutions for leading-edge separation vortices. International Journal for Numerical Methods in Fluids, 1988, 8, 1319-1329.	0.9	19
76	Effective Layout of Plasma Actuators for a Flow Separation Control on a Wing. , 2007, , .		19
77	An Alternative Preference Relation to Deal with Many-Objective Optimization Problems. Lecture Notes in Computer Science, 2013, , 291-306.	1.0	19
78	Numerical Study on Acoustic Radiation for Designing Launch-Pad of Advanced Solid Rocket. , 2008, , .		18
79	Control Mechanism of Plasma Actuator for Separated Flow around NACA0015 at Reynolds Number 63,000 -Separation Bubble Related Mechanisms-. , 2013, , .		17
80	Control of dynamic flowfield around a pitching NACA<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:mpace width="0.16em" /><mml:mo>^</mml:mo><mml:mpace width="0.16em" /><mml:mn>618</mml:mn></mml:mrow></math> airfoil by a DBD plasma actuator. International Journal of Heat and Fluid Flow, 2016, 62, 10-23.	1.1	17
81	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
82	Large-Eddy Simulation of NACA 0015 Airfoil Flow at Reynolds Number of 1.6×10^6 . AIAA Journal, 2017, 55, 673-679.	1.5	17
83	Acoustic Measurement and Prediction of Solid Rockets in Static Firing Tests. , 2009, , .		16
84	An Effective Three-Dimensional Layout of Actuation Body Force for Separation Control. International Journal of Aerospace Engineering, 2012, 2012, 1-12.	0.5	16
85	A high-fidelity body-force modeling approach for plasma-based flow control simulations. Physics of Fluids, 2021, 33, 037115.	1.6	16
86	Multi-Objective Six Sigma Approach Applied to Robust Airfoil Design for Mars Airplane. , 2007, , .		15
87	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
88	Conservation law for moving and transformed grids. , 1993, , .		14
89	Enhancement of the leading-edge separation vortices by trailing-edge lateral blowing. AIAA Journal, 1996, 34, 1943-1945.	1.5	14
90	Announcements, Comments, and Acknowledgments. AIAA Journal, 2006, 44, 1-9.	1.5	14

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91	Study on the Automated CFD Analysis Tools for Conceptual Design of Space Transportation Vehicles. , 2007, , 1813.		14
92	Massive Parametric Study by LES on Separated-flow Control around Airfoil using DBD Plasma Actuator at Reynolds Number 63,000. , 2013, , .		14
93	Scaling Analysis of Propeller-Driven Aircraft for Mars Exploration. Journal of Aircraft, 2013, 50, 1593-1604.	1.7	14
94	Computational Study on Effect of Synthetic Jet Design Parameters. International Journal of Aerospace Engineering, 2010, 2010, 1-11.	0.5	13
95	Three-dimensional adaptive bisection of unstructured grids for transient compressible flow computations. , 1995, , .		12
96	High-Order Compact Difference Scheme Applied to Double-Delta Wing Vortical Flows. Journal of Aircraft, 2004, 41, 953-957.	1.7	12
97	Flow-control capability of electronic-substrate-sized power supply for a plasma actuator. Sensors and Actuators A: Physical, 2020, 306, 111951.	2.0	12
98	Numerical simulation of the viscous flow fields over three-dimensional complicated geometries. , 1984, , .		11
99	Unified zonal method based on the fortified Navier-Stokes concept. , 1991, , .		11
100	Numerical analysis of the base bleed effect on the aerospike nozzles. , 2002, , .		11
101	Flow Classification of the Under-Expanded Super Sonic Jet Impinging on a Flat Plate. , 2003, , .		11
102	Computational Aerodynamic Analysis of Capsule Configurations Toward the Development of Reusable Rockets. Journal of Spacecraft and Rockets, 2006, 43, 77-83.	1.3	11
103	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
104	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
105	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
106	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
107	Separated Flow Control of Small Horizontal-Axis Wind Turbine Blades Using Dielectric Barrier Discharge Plasma Actuators. Energies, 2020, 13, 1218.	1.6	11
108	Computational Aeroacoustic Analysis of Overexpanded Supersonic Jet Impingement on a Flat Plate With/Without Hole. , 2007, , .		11

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109	Flow field analysis of the base region of axisymmetric aerospike nozzles. , 2001, , .		10
110	Pareto-Optimality-Based Constraint-Handling Technique and Its Application to Compressor Design. , 2005, , .		10
111	Data Mining of Pareto-Optimal Transonic Airfoil Shapes Using Proper Orthogonal Decomposition. , 2009, , .		10
112	POD of Aeroacoustic Fields of a Jet Impinging on an Inclined Plate. , 2010, , .		10
113	Burst Frequency Effect of DBD Plasma Actuator on the Control of Separated Flow over an Airfoil. , 2012, , .		10
114	Numerical simulation of the leading-edge separation vortex for a wing and strake-wing configuration. , 1983, , .		9
115	CFD contributions to high-speed shock-related problems. Shock Waves, 2008, 18, 145-154.	1.0	9
116	Computational Analysis of Mach Number Effects on the Edgetone Phenomenon. AIAA Journal, 2010, 48, 1248-1251.	1.5	9
117	LES Study of Feedback-loop Mechanism of Supersonic Open Cavity Flows. , 2010, , .		9
118	Effects of Plate Angles on Acoustic Waves from a Supersonic Jet Impinging on an Inclined Flat Plate. , 2011, , .		9
119	Comparative Study of Co-flow and Counter Blowing DBD Plasma Actuators for Separated Flow over an Airfoil. , 2012, , .		9
120	Large-Eddy Simulations of Owl-Like Wing Under Low Reynolds Number Conditions. , 2013, , .		9
121	Control surface effectiveness of low Reynolds number flight vehicles. Journal of Fluid Science and Technology, 2014, 9, JFST0072-JFST0072.	0.2	9
122	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
123	In-Flight Demonstration of Stall Improvement Using a Plasma Actuator for a Small Unmanned Aerial Vehicle. Aerospace, 2022, 9, 144.	1.1	9
124	Prediction Method of Unsteady Combustion Around Hypersonic Projectile in Stoichiometric Hydrogen-Air. AIAA Journal, 1998, 36, 1834-1841.	1.5	8
125	Computational Analysis of Supersonic Underexpanded Jets Impinging on an Inclined Flat Plate. , 2007, , .		8
126	Improvements in the Reliability and Efficiency of Body-fitted Cartesian Grid Method. , 2009, , .		8

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127	Plasma Flow Control Simulation of an Airfoil of Wind Turbine at an Intermediate Reynolds Number. , 2013, , .		8
128	Space trajectory design: Analysis of a real-world many-objective optimization problem. , 2013, , .		8
129	A ranking method based on two preference criteria: Chebyshev function and ε-indicator. , 2015, , .		8
130	Anion and cation dynamics of sulfonamide-based ionic liquids and the solidâ€“liquid transitions. Physical Chemistry Chemical Physics, 2015, 17, 8750-8757.	1.3	8
131	Significance of Computational Spanwise Domain Length on LES for the Flowfield with Large Vortex Structure. , 2016, , .		8
132	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
133	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
134	Flow Field and Performance Analysis of an Annular-Type Aerospike Nozzle with Base Bleeding. Transactions of the Japan Society for Aeronautical and Space Sciences, 2003, 46, 17-23.	0.4	8
135	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
136	Dynamic Burst Actuation to Enhance the Flow Control Authority of Plasma Actuators. Aerospace, 2021, 8, 396.	1.1	8
137	A multi-dimensional upwind scheme for the Euler equations on structured grids. Computers and Fluids, 1993, 22, 125-137.	1.3	7
138	Nonequilibrium turbulence modeling study on light dynamic stall of aNACA0012 airfoil. Journal of Aircraft, 1993, 30, 304-308.	1.7	7
139	Experimental investigation of supersonic internal cavity flows. , 1995, , .		7
140	Effect of Engine Integration on the Aerodynamic Characteristics of a Spaceplane. International Journal of Computational Fluid Dynamics, 1997, 8, 235-246.	0.5	7
141	CFD Prediction of the Aerodynamic Characteristics of Capsule-Like Configurations for the Future SSTO Development. , 2003, , .		7
142	Development of Realistic Optimization Method of TSTO Spaceplane - Multi-Objective and Robust Optimization. , 2004, , .		7
143	Effects of Shear-Layer Characteristic on the Feedback-loop Mechanism in Supersonic Open Cavity Flows. , 2011, , .		7
144	Computational Study of Effects of Near-wall Turbulent Structure on Aeroacoustic Waves from a Supersonic Jet Impinging on a Inclined Plate. , 2011, , .		7

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145	Experimental Study of Effects of Frequency for Burst Wave on DBD Plasma Actuator for Separation Control. , 2011, , .		7
146	Effective Mechanisms for Turbulent-separation Control by DBD Plasma Actuator around NACA0015 at Reynolds Number 1,600,000. , 2014, , .		7
147	Many-objective evolutionary computation for optimization of separated-flow control using a DBD plasma actuator. , 2014, , .		7
148	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
149	Feature extraction of fields of fluid dynamics data using sparse convolutional autoencoder. AIP Advances, 2021, 11, .	0.6	7
150	A method to increase the accuracy of vortical flow simulations. , 1988, , .		6
151	Supersonic inlet flow computations using fortified Navier-Stokes approach. , 1991, , .		6
152	Over-expansion Effects on Mach 3.0 Supersonic Jet Acoustics. , 2008, , .		6
153	Detailed Analysis of Flat Plate Pressure Peaks Created by Supersonic Jet Impingements. , 2009, , .		6
154	Flow Field Data Mining of Pareto-Optimal Airfoils Using Proper Orthogonal Decomposition. , 2010, , .		6
155	Effects of Burst Frequency and Momentum Coefficient of DBD Actuator on Control of Deep-stall Flow around NACA0015 at $Rec=2.6 \times 10^5$. , 2014, , .		6
156	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
157	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
158	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
159	Computational study on aeroacoustic fields of a transitional supersonic jet. Journal of the Acoustical Society of America, 2021, 149, 4484-4502.	0.5	6
160	Navier Stokes computation of the flow field over delta wings with spanwise leading edge blowing. , 1988, , .		5
161	Numerical simulation of the flow around a projectile passing through a shock wave. , 1995, , .		5
162	Computational Analysis of the Flow Field Near the Boat-tail Region of Annular Plug Nozzles.. JSME International Journal Series B, 2002, 45, 745-751.	0.3	5

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163	Computational Analysis of Characteristics and Mach Number Effects on Noise Emission From Ideally Expanded Highly Supersonic Free-Jet. , 2007, , 1157.		5
164	Effects of Inflow Shear Layer Parameters on a Transitional Supersonic Jet with a Moderate Reynolds Number. , 2013, , .		5
165	Significance of Three-dimensional Unsteady Flows inside the Cavity on Separated-flow Control around an NACA0015 using a Synthetic Jet. , 2013, , .		5
166	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
167	LES on Turbulent Separated Flow around NACA0015 at Reynolds Number 1,600,000 toward Active Flow Control. , 2014, , .		5
168	Conservative high-order flux-reconstruction schemes on moving and deforming grids. Computers and Fluids, 2016, 139, 2-16.	1.3	5
169	Experimental Study on Application of Distributed Deep Reinforcement Learning to Closed-loop Flow separation Control over an Airfoil. , 2020, , .		5
170	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
171	Numerical analysis of dynamic stability of a reentry capsule at transonic speeds. AIAA Journal, 2001, 39, 646-653.	1.5	5
172	Experimental Study of a Nano-second Pulse Plasma Actuator for Low Reynolds Number Flow Control. , 2014, , .		5
173	A Numerical Study of the Effects of Aerofoil Shape on Low Reynolds Number Aerodynamics. , 0, , .		5
174	Navier-Stokes computations of the supersonic flows about a Space-Plane. , 1989, , .		4
175	SIMULATION OF EXPERIMENTAL VISUALIZATION METHODS FOR COMPUTATIONAL FLUID DYNAMICS RESEARCH. International Journal of Computational Fluid Dynamics, 1994, 2, 309-333.	0.5	4
176	Numerical investigation of the one-dimensional piston supported detonation waves. Energy Conversion and Management, 1997, 38, 1283-1295.	4.4	4
177	Numerical analysis of three-dimensional shock/shock interactions and the aerodynamic heating. , 1999, , .		4
178	Visualization of Jet Flows over a Plate by Pressure-sensitive Paint Experiments and Comparison with CFD. Annals of the New York Academy of Sciences, 2002, 972, 265-270.	1.8	4
179	Compressible Flow Simulations Over Basic Reusable Rocket Configurations. , 2003, , 2059.		4
180	Prediction of a Thin-Airfoil Stall Phenomenon Using LES/RANS Hybrid Methodology with Compact Difference Scheme. , 2004, , .		4

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181	Measurement and Analysis of an Efficient Turbine Rotor Pump Work Reduction System Incorporating Pre-Swirl Nozzles and a Free Vortex Pressure Augmentation Chamber. , 2004, , 249.		4
182	Improvement of noise filtering and image registration methods for the Pressure Sensitive Paint experiments. Journal of Visualization, 2005, 8, 225-233.	1.1	4
183	A Study on Flapping Motion for MAV Design Using Design Exploration. , 2007, , .		4
184	Influence of Stores on the Transonic Flutter of a Delta Wing Configuration. AIAA Journal, 2007, 45, 237-246.	1.5	4
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