

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98
papers

1,287
citations

20
h-index

31
g-index

112
ext. papers

1,542
ext. citations

2.8
avg, IF

5.09
L-index

#	Paper	IF	Citations
98	A numerical investigation on flow past skewed vortex generators ahead of a backward facing ramp. <i>Aerospace Science and Technology</i> , 2022 , 123, 107435	4.9	1
97	Some Insights into the Screech Tone of Under-Expanded Supersonic Jets Using Dynamic Mode Decomposition. <i>Journal of Aerospace Engineering</i> , 2021 , 34, 04021034	1.4	1
96	Characteristics of helicopter engine exhaust through scaled experiments using stereoscopic particle image velocimetry. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2021 , 235, 1091-1104	0.9	1
95	A carbuncle cure for the Harten-Lax-van Leer contact (HLLC) scheme using a novel velocity-based sensor. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021 , 42, 1259-1278	3.2	0
94	A large-eddy simulation study on vortex-ring collisions upon round cylinders. <i>Physics of Fluids</i> , 2021 , 33, 094101	4.4	0
93	Freezing morphologies of impact water droplets on an inclined subcooled surface. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 181, 121843	4.9	5
92	Water condensate morphologies on a cantilevered microfiber. <i>Journal of Applied Physics</i> , 2020 , 127, 244902	4.0	1
91	On the application of non-standard rainbow schlieren technique upon supersonic jets. <i>Journal of Visualization</i> , 2020 , 23, 383-393	1.6	4
90	Flow Control by Hydrofoils with Leading-Edge Tubercles 2020 , 85-109		0
89	Effects of Leading-Edge Tubercles on Structural Dynamics and Aeroelasticity 2020 , 147-173		1
88	Proper orthogonal decomposition analysis of near-field coherent structures associated with V-notched nozzle jets. <i>Experimental Thermal and Fluid Science</i> , 2020 , 112, 109972	3	5
87	Collision of vortex rings upon V-walls. <i>Journal of Fluid Mechanics</i> , 2020 , 899,	3.7	4
86	Flow transitions in collisions between vortex-rings and density interfaces. <i>Journal of Visualization</i> , 2020 , 23, 783-791	1.6	2
85	Short-time proper orthogonal decomposition of time-resolved schlieren images for transient jet screech characterization. <i>Aerospace Science and Technology</i> , 2020 , 107, 106276	4.9	3
84	Mitigation of under-expanded supersonic jet noise through stepped nozzles. <i>Journal of Sound and Vibration</i> , 2019 , 459, 114875	3.9	4
83	Triple condensate halo from a single water droplet impacting upon a cold surface. <i>Applied Physics Letters</i> , 2019 , 114, 183703	3.4	7
82	Leading-edge tubercles delay flow separation for a tapered swept-back wing at very low Reynolds number. <i>Ocean Engineering</i> , 2019 , 181, 173-184	3.9	12

81	RANS Simulation of Over- and Under-expanded Beveled Nozzle Jets Using OpenFOAM 2019 , 1155-1162		
80	A comparative study on the use of calibrated and rainbow schlieren techniques in axisymmetric supersonic jets. <i>Flow Measurement and Instrumentation</i> , 2019 , 66, 218-228	2.2	6
79	On Alternative Setups of the Double Mach Reflection Problem. <i>Journal of Scientific Computing</i> , 2019 , 78, 1291-1303	2.3	11
78	Flow Characterization of Supersonic Jets Issuing From Double-Beveled Nozzles. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2019 , 141,	2.1	7
77	An Efficient Hybrid Method for Solving Euler Equations. <i>Journal of Scientific Computing</i> , 2019 , 81, 732-762	2.3	6
76	A novel light field imaging based 3D geometry measurement technique for turbomachinery blades. <i>Measurement Science and Technology</i> , 2019 , 30, 115901	2	4
75	High resolution volumetric dual-camera light-field PIV. <i>Experiments in Fluids</i> , 2019 , 60, 1	2.5	11
74	Effects of bevelled nozzles on standoff shocks in supersonic impinging jets. <i>Aerospace Science and Technology</i> , 2019 , 94, 105371	4.9	11
73	Time-Resolved Optical Flow of Supersonic Bevelled Nozzles 2019 , 337-344		
72	Vortical structures and behaviour of an elliptic jet impinging upon a convex cylinder. <i>Experimental Thermal and Fluid Science</i> , 2019 , 100, 292-310	3	5
71	The near wake of a sinusoidal wavy cylinder with a large spanwise wavelength using time-resolved particle image velocimetry. <i>Experiments in Fluids</i> , 2019 , 60, 1	2.5	9
70	Application of an Eulerian granular numerical model to an industrial scale pneumatic conveying pipeline. <i>Advanced Powder Technology</i> , 2019 , 30, 240-256	4.6	2
69	Volumetric calibration enhancements for single-camera light-field PIV. <i>Experiments in Fluids</i> , 2019 , 60, 1	2.5	19
68	Adaptive mapping for high order WENO methods. <i>Journal of Computational Physics</i> , 2019 , 381, 162-188	4.1	10
67	On the application of an Eulerian granular model towards dilute phase pneumatic conveying. <i>Powder Technology</i> , 2018 , 327, 456-466	5.2	3
66	A detailed comparison of single-camera light-field PIV and tomographic PIV. <i>Experiments in Fluids</i> , 2018 , 59, 1	2.5	31
65	Aerodynamic Performance and Surface Flow Structures of Leading-Edge Tubercled Tapered Swept-Back Wings. <i>AIAA Journal</i> , 2018 , 56, 423-431	2.1	28
64	An assessment of OpenFOAM solver on RANS simulations of round supersonic free jets. <i>Journal of Computational Science</i> , 2018 , 28, 18-31	3.4	10

63	Visual hull based 3D reconstruction of shocks in under-expanded supersonic bevelled jets. <i>Experimental Thermal and Fluid Science</i> , 2018 , 99, 458-473	3	5
62	Wind tunnel testing of additive manufactured aircraft components. <i>Rapid Prototyping Journal</i> , 2018 , 24, 886-893	3.8	4
61	An investigation on supersonic bevelled nozzle jets. <i>Aerospace Science and Technology</i> , 2017 , 63, 278-293	4.9	26
60	Challenges of Optical Flow Analysis in Supersonic Jets 2017 ,		1
59	Computational study of a pitching bio-inspired corrugated airfoil. <i>International Journal of Heat and Fluid Flow</i> , 2017 , 65, 328-341	2.4	13
58	A numerical parametric and optimization study of an industrial air-slide conveyor system. <i>Powder Technology</i> , 2017 , 315, 367-378	5.2	1
57	Unsteady numerical investigation of two different corrugated airfoils. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2017 , 231, 2423-2437	0.9	8
56	Near-field dynamics of parallel twin jets in cross-flow. <i>Physics of Fluids</i> , 2017 , 29, 035103	4.4	18
55	Head-on collisions of vortex rings upon round cylinders. <i>Journal of Fluid Mechanics</i> , 2017 , 833, 648-676	3.7	10
54	Light-field camera-based 3D volumetric particle image velocimetry with dense ray tracing reconstruction technique. <i>Experiments in Fluids</i> , 2017 , 58, 1	2.5	33
53	Vortex dynamics and wall shear stress behaviour associated with an elliptic jet impinging upon a flat plate. <i>Experiments in Fluids</i> , 2016 , 57, 1	2.5	9
52	Parametric study on light field volumetric particle image velocimetry. <i>Flow Measurement and Instrumentation</i> , 2016 , 49, 70-88	2.2	42
51	Numerical Investigation on Flow Separation Control of Low Reynolds Number Sinusoidal Aerofoils 2016 ,		1
50	Some observations on vortex-ring collisions upon inclined surfaces. <i>Experiments in Fluids</i> , 2016 , 57, 1	2.5	20
49	A proper orthogonal decomposition study on the unsteady flow behaviour of a hydrofoil with leading-edge tubercles. <i>Ocean Engineering</i> , 2016 , 121, 356-368	3.9	23
48	An Experimental and Numerical Study on a Small-Scale Joined-Wing Aircraft 2016 ,		1
47	Effects of leading-edge tubercles on wing flutter speeds. <i>Bioinspiration and Biomimetics</i> , 2016 , 11, 036003	2.6	3
46	A DPIV study on the effects of separation distance upon the vortical behaviour of jet cylinder impingements. <i>Experiments in Fluids</i> , 2015 , 56, 1	2.5	11

45	Dynamics of laminar circular jet impingement upon convex cylinders. <i>Physics of Fluids</i> , 2015 , 27, 024109	4.4	23
44	An experimental study on flow separation control of hydrofoils with leading-edge tubercles at low Reynolds number. <i>Ocean Engineering</i> , 2015 , 108, 336-349	3.9	74
43	On the wake-like vortical arrangement and behaviour associated with twin jets in close proximity. <i>Experimental Thermal and Fluid Science</i> , 2015 , 69, 127-140	3	24
42	On the flow behaviour of confined finite-length wavy cylinders. <i>Journal of Fluids and Structures</i> , 2015 , 54, 281-296	3.1	26
41	Validated Unsteady Computational Fluid Dynamic Analysis of an Oscillating Bio-Inspired Airfoil. <i>Applied Mechanics and Materials</i> , 2015 , 799-800, 698-706	0.3	1
40	On the trajectory scaling of tandem twin jets in cross-flow in close proximity. <i>Experiments in Fluids</i> , 2015 , 56, 1	2.5	9
39	SUCTION INLET VORTEX INVESTIGATION AT LOW REYNOLDS NUMBERS. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2015 , 39, 115-123	1.1	0
38	Dynamics of Jets Issuing from Trailing-Edge Modified Nozzles. <i>Fluid Mechanics and Its Applications</i> , 2015 , 145-189	0.2	1
37	Effects of aspect-ratio on the flapping behaviour of energy-harvesting membrane. <i>Experimental Thermal and Fluid Science</i> , 2014 , 52, 339-346	3	19
36	Effects of Corrugated Aerofoil Surface Features on Flow-Separation Control. <i>AIAA Journal</i> , 2014 , 52, 206-211	2.1	19
35	Effects of area-ratio on the near-field flow characteristics and deflection of circular inclined coaxial jets. <i>Experimental Thermal and Fluid Science</i> , 2014 , 54, 225-236	3	8
34	Cylinder-wall interference effects on finite-length wavy cylinders at subcritical Reynolds number flows. <i>Experiments in Fluids</i> , 2013 , 54, 1	2.5	17
33	Some observations in the vortex-turning behaviour of noncircular inclined jets. <i>Experiments in Fluids</i> , 2013 , 54, 1	2.5	14
32	On the vortex structures and behaviour of notched elliptic jets. <i>Experimental Thermal and Fluid Science</i> , 2013 , 49, 51-66	3	8
31	Improvements to time-series TR-PIV algorithms using historical displacement and displacement variation information. <i>Flow Measurement and Instrumentation</i> , 2013 , 29, 67-79	2.2	3
30	Flapping dynamics of a low aspect-ratio energy-harvesting membrane immersed in a square cylinder wake. <i>Experimental Thermal and Fluid Science</i> , 2013 , 46, 151-161	3	42
29	Vortex Behaviour and Velocity Characteristics of Jets Issuing from Hybrid Inclined Elliptic Nozzles. <i>Flow, Turbulence and Combustion</i> , 2012 , 89, 601-625	2.5	7
28	On the flow characteristics of minor-plane inclined elliptic jets. <i>Experimental Thermal and Fluid Science</i> , 2012 , 38, 94-106	3	16

27	Design and Operation of a Test-Platform for High-Speed Combustion Studies. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2011 , 225, 325-335	0.9	
26	Flow behaviour of turbulent nozzle jets issuing from bevelled collars. <i>Experimental Thermal and Fluid Science</i> , 2011 , 35, 1555-1564	3	9
25	An experimental study on the vortical structures and behaviour of jets issuing from inclined coaxial nozzles. <i>Experiments in Fluids</i> , 2011 , 51, 917-932	2.5	7
24	On the vortical structures and behaviour of inclined elliptic jets. <i>European Journal of Mechanics, B/Fluids</i> , 2011 , 30, 437-450	2.4	24
23	Effects of indeterminate-origin collars on self-excited collared-jets. <i>Journal of Turbulence</i> , 2010 , 11, N27	2.1	1
22	Cross-stream behaviour and flow characteristics of hybrid inclined nozzle jets. <i>Journal of Turbulence</i> , 2010 , 11, N18	2.1	1
21	Effects of notch geometry and sharpness on turbulent jets issuing from indeterminate-origin notched nozzles. <i>European Journal of Mechanics, B/Fluids</i> , 2010 , 29, 309-320	2.4	3
20	Characterization of jets issuing from circular nozzles with A-shaped notch lip-modifications. <i>Journal of Turbulence</i> , 2009 , 10, N24	2.1	2
19	Influence of nozzle sharpness on the flow fields of V-notched nozzle jets. <i>Physics of Fluids</i> , 2009 , 21, 084107	4.7	27
18	A Digital Particle Image Velocimetry Study on Jets Issuing from Hybrid Inclined Nozzles. <i>Flow, Turbulence and Combustion</i> , 2009 , 83, 485-509	2.5	3
17	An experimental study on jets issuing from elliptic inclined nozzles. <i>Experiments in Fluids</i> , 2009 , 46, 1139-1157	2.5	20
16	On the use of notched collars on an axisymmetric jet. <i>Experimental Thermal and Fluid Science</i> , 2009 , 33, 1029-1034	3	7
15	Near-field developments of elliptic jets in crossflow. <i>Journal of Turbulence</i> , 2008 , 9, N24	2.1	5
14	Experimental Investigations on Indeterminate-Origin V- and A-Notched Jets. <i>AIAA Journal</i> , 2007 , 45, 828-839	2.1	23
13	Effects of noncircular collars on an axisymmetric jet. <i>Physics of Fluids</i> , 2007 , 19, 084104	4.4	5
12	Scaling of Trajectories of Elliptic Jets in Crossflow. <i>AIAA Journal</i> , 2006 , 44, 3157-3160	2.1	21
11	Effects of cross-stream radial injections on a round jet. <i>Journal of Turbulence</i> , 2006 , 7, N57	2.1	19
10	Effects of jet velocity profiles on a round jet in cross-flow. <i>Experiments in Fluids</i> , 2006 , 40, 859-875	2.5	78

9	EXPERIMENTAL AND NUMERICAL STUDY ON INDETERMINATE-ORIGIN V-NOTCHED JET. <i>Modern Physics Letters B</i> , 2005 , 19, 1607-1610	1.6	
8	Vortical structures in a laminar V-notched indeterminate-origin jet. <i>Physics of Fluids</i> , 2005 , 17, 054108	4.4	21
7	A flow field study of an elliptic jet in cross flow using DPIV technique. <i>Experiments in Fluids</i> , 2004 , 36, 604-618	2.5	32
6	Near-field pairing of leading-edge vortices in elliptic jets in cross flow. <i>European Journal of Mechanics, B/Fluids</i> , 2004 , 23, 551-569	2.4	5
5	Multigrid CCDPIV measurements of accelerated flow past an airfoil at an angle of attack of 30°. <i>Experimental Thermal and Fluid Science</i> , 2003 , 27, 667-676	3	19
4	Elliptic jets in cross-flow. <i>Journal of Fluid Mechanics</i> , 2003 , 494, 119-140	3.7	61
3	A visual study on elliptical jets in cross flow. <i>Journal of Visualization</i> , 2002 , 5, 129-136	1.6	1
2	On the development of large-scale structures of a jet normal to a cross flow. <i>Physics of Fluids</i> , 2001 , 13, 770-775	4.4	122
1	Flow behavior of skewed vortex generators on a backward-facing ramp. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 095441002199618	0.9	3