

John Sheridan

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182
papers

4,233
citations

37
h-index

55
g-index

192
ext. papers

4,989
ext. citations

3.1
avg, IF

5.78
L-index

#	Paper	IF	Citations
182	Three-dimensional instabilities in the wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 1996 , 12, 190-196	3	168
181	Reynolds number and aspect ratio effects on the leading-edge vortex for rotating insect wing planforms. <i>Journal of Fluid Mechanics</i> , 2013 , 717, 166-192	3.7	132
180	The interaction between flow-induced vibration mechanisms of a square cylinder with varying angles of attack. <i>Journal of Fluid Mechanics</i> , 2012 , 710, 102-130	3.7	116
179	FORCES AND WAKE MODES OF AN OSCILLATING CYLINDER. <i>Journal of Fluids and Structures</i> , 2001 , 15, 523-532	3.1	108
178	Fluid-structure interaction of a square cylinder at different angles of attack. <i>Journal of Fluid Mechanics</i> , 2014 , 747, 688-721	3.7	105
177	Controlled oscillations of a cylinder: forces and wake modes. <i>Journal of Fluid Mechanics</i> , 2005 , 538, 31	3.7	98
176	Flow past a cylinder close to a free surface. <i>Journal of Fluid Mechanics</i> , 1997 , 330, 1-30	3.7	94
175	Wind tunnel analysis of the slipstream and wake of a high-speed train. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2014 , 134, 122-138	3.7	92
174	Impact of ground and wheel boundary conditions on numerical simulation of the high-speed train aerodynamic performance. <i>Journal of Fluids and Structures</i> , 2016 , 61, 249-261	3.1	87
173	An experimental investigation of the recirculation zone formed downstream of a forward facing step. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2010 , 98, 888-894	3.7	87
172	Strain engineering water transport in graphene nanochannels. <i>Physical Review E</i> , 2011 , 84, 056329	2.4	86
171	The performance of different turbulence models (URANS, SAS and DES) for predicting high-speed train slipstream. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017 , 165, 46-57	3.7	84
170	Three-dimensional vortex structures in a cylinder wake. <i>Journal of Fluid Mechanics</i> , 1996 , 312, 201-222	3.7	76
169	Moving model analysis of the slipstream and wake of a high-speed train. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015 , 136, 127-137	3.7	72
168	Flow-induced deformation of a flexible thin structure as manifestation of heat transfer enhancement. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 84, 1070-1081	4.9	65
167	Low-Reynolds-number wakes of elliptical cylinders: from the circular cylinder to the normal flat plate. <i>Journal of Fluid Mechanics</i> , 2014 , 751, 570-600	3.7	64
166	Friction of water slipping in carbon nanotubes. <i>Physical Review E</i> , 2011 , 83, 036316	2.4	62

165	A fluid dynamics approach to bioreactor design for cell and tissue culture. <i>Biotechnology and Bioengineering</i> , 2006 , 94, 1196-208	4.9	62
164	A hybrid solar desiccant cooling system. <i>Solar Energy</i> , 1985 , 34, 187-193	6.8	60
163	The effect of the ground condition on high-speed train slipstream. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 172, 230-243	3.7	59
162	Flow topology in the wake of a cyclist and its effect on aerodynamic drag. <i>Journal of Fluid Mechanics</i> , 2014 , 748, 5-35	3.7	57
161	The interaction of helical tip and root vortices in a wind turbine wake. <i>Physics of Fluids</i> , 2013 , 25, 117102	4.4	50
160	The primary and secondary instabilities of flow generated by an oscillating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2006 , 550, 359	3.7	50
159	The effect of bogies on high-speed train slipstream and wake. <i>Journal of Fluids and Structures</i> , 2018 , 83, 471-489	3.1	50
158	A review of rotating cylinder wake transitions. <i>Journal of Fluids and Structures</i> , 2015 , 53, 2-14	3.1	49
157	Small is beautiful, and dry. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 2245-2259	3.6	49
156	The role of advance ratio and aspect ratio in determining leading-edge vortex stability for flapping flight. <i>Journal of Fluid Mechanics</i> , 2014 , 751, 71-105	3.7	47
155	An experimental investigation of streamwise vortices in the wake of a bluff body. <i>Journal of Fluids and Structures</i> , 1994 , 8, 621-635	3.1	46
154	Dynamics of trailing vortices in the wake of a generic high-speed train. <i>Journal of Fluids and Structures</i> , 2016 , 65, 238-256	3.1	45
153	Scaling of streamwise vortices in wakes. <i>Physics of Fluids</i> , 1995 , 7, 2307-2309	4.4	45
152	The effect of tail geometry on the slipstream and unsteady wake structure of high-speed trains. <i>Experimental Thermal and Fluid Science</i> , 2017 , 83, 215-230	3	43
151	Flow-induced vibration of two cylinders in tandem and staggered arrangements. <i>Journal of Fluid Mechanics</i> , 2017 , 833, 98-130	3.7	42
150	Aerodynamic drag interactions between cyclists in a team pursuit. <i>Sports Engineering</i> , 2015 , 18, 93-103	1.4	40
149	Particle image velocimetry and visualization of natural and forced flow around rectangular cylinders. <i>Journal of Fluid Mechanics</i> , 2003 , 478, 299-323	3.7	40
148	Response of base suction and vortex shedding from rectangular prisms to transverse forcing. <i>Journal of Fluid Mechanics</i> , 2002 , 461, 25-49	3.7	39

147	Flow topology and unsteady features of the wake of a generic high-speed train. <i>Journal of Fluids and Structures</i> , 2016 , 61, 168-183	3.1	38
146	Numerical simulation of ice accretions on an aircraft wing. <i>Aerospace Science and Technology</i> , 2012 , 23, 296-304	4.9	37
145	Experimental investigation of flow-induced vibration of a rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2017 , 829, 486-511	3.7	36
144	Damping effects on vortex-induced vibration of a circular cylinder and implications for power extraction. <i>Journal of Fluids and Structures</i> , 2018 , 81, 289-308	3.1	35
143	Harnessing electrical power from vortex-induced vibration of a circular cylinder. <i>Journal of Fluids and Structures</i> , 2017 , 70, 360-373	3.1	34
142	Dynamic leg-motion and its effect on the aerodynamic performance of cyclists. <i>Journal of Fluids and Structures</i> , 2016 , 65, 121-137	3.1	33
141	Computational Fluid Dynamics Study of the Effect of Leg Position on Cyclist Aerodynamic Drag. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2014 , 136,	2.1	33
140	Characterisation of a horizontal axis wind turbine tip and root vortices. <i>Experiments in Fluids</i> , 2013 , 54, 1	2.5	32
139	Vortex-induced vibration of a rotating sphere. <i>Journal of Fluid Mechanics</i> , 2018 , 837, 258-292	3.7	31
138	Shear layer vortices and longitudinal vortices in the near wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 1996 , 12, 169-174	3	31
137	On the near wake of a simplified heavy vehicle. <i>Journal of Fluids and Structures</i> , 2016 , 66, 293-314	3.1	30
136	The effect of porous media particle size on forced convection from a circular cylinder without assuming local thermal equilibrium between phases. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 3366-3378	4.9	30
135	Experimental evidence of new three-dimensional modes in the wake of a rotating cylinder. <i>Journal of Fluid Mechanics</i> , 2013 , 734, 567-594	3.7	30
134	A wind-tunnel methodology for assessing the slipstream of high-speed trains. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017 , 166, 1-19	3.7	29
133	Relationship between aerodynamic forces, flow structures and wing camber for rotating insect wing planforms. <i>Journal of Fluid Mechanics</i> , 2013 , 730, 52-75	3.7	29
132	Chaotic vortex induced vibrations. <i>Physics of Fluids</i> , 2014 , 26, 121702	4.4	29
131	Time Averaged and Unsteady Near-Wake Analysis of Cars 2001 ,		29
130	Spanwise wake structures of a circular cylinder and two circular cylinders in tandem. <i>Experimental Thermal and Fluid Science</i> , 1994 , 9, 299-308	3	29

129	Controlled oscillations of a cylinder: a new wake state. <i>Journal of Fluids and Structures</i> , 2003 , 17, 337-343.	3.1	28
128	Two-dimensional Floquet stability analysis of the flow produced by an oscillating circular cylinder in quiescent fluid. <i>European Journal of Mechanics, B/Fluids</i> , 2004 , 23, 99-106	2.4	26
127	Wake states and response branches of forced and freely oscillating cylinders. <i>European Journal of Mechanics, B/Fluids</i> , 2004 , 23, 89-97	2.4	24
126	The effect of aspect ratio on the wake of the Ahmed body. <i>Experiments in Fluids</i> , 2015 , 56, 1	2.5	23
125	Frequency Analysis of Surface Pressures on an Airfoil After Stall 2003 ,		23
124	Metastable states of a cylinder wake adjacent to a free surface. <i>Physics of Fluids</i> , 1995 , 7, 2099-2101	4.4	23
123	Longitudinal vortex structures in a cylinder wake. <i>Physics of Fluids</i> , 1994 , 6, 2883-2885	4.4	23
122	Experimental investigation of in-line flow-induced vibration of a rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2018 , 847, 664-699	3.7	22
121	Effect of aspect ratio on the near-wake flow structure of an Ahmed body. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015 , 147, 95-103	3.7	21
120	Mutual inductance of two helical vortices. <i>Journal of Fluid Mechanics</i> , 2015 , 774, 298-310	3.7	21
119	Effect of crosswinds and wheel selection on the aerodynamic behavior of a cyclist. <i>Procedia Engineering</i> , 2012 , 34, 20-25		20
118	Modification of three-dimensional transition in the wake of a rotationally oscillating cylinder. <i>Journal of Fluid Mechanics</i> , 2010 , 643, 349-362	3.7	20
117	Numerical analysis of bluff body wakes under periodic open-loop control. <i>Journal of Fluid Mechanics</i> , 2014 , 739, 94-123	3.7	19
116	Aerodynamic performance and riding posture in road cycling and triathlon. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2015 , 229, 28-38.	0.7	19
115	Global frequency selection in the observed time-mean wakes of circular cylinders. <i>Journal of Fluid Mechanics</i> , 2008 , 601, 425-441	3.7	19
114	Wake states of a tethered cylinder. <i>Journal of Fluid Mechanics</i> , 2007 , 592, 1-21	3.7	19
113	Kelvin vortex formation from a cylinder: Role of phase-locked Kelvin-Helmholtz vortices. <i>Physics of Fluids</i> , 1995 , 7, 2288-2290	4.4	19
112	Numerical simulation of rime ice accretions on an aerofoil using an Eulerian method. <i>Aeronautical Journal</i> , 2008 , 112, 243-249	0.9	18

111	Passive heaving of elliptical cylinders with active pitching [From cylinders towards flapping foils. <i>Journal of Fluids and Structures</i> , 2016 , 67, 124-141	3.1	18
110	Uncoupling the effects of aspect ratio, Reynolds number and Rossby number on a rotating insect-wing planform. <i>Journal of Fluid Mechanics</i> , 2019 , 859, 921-948	3.7	18
109	Vortex-induced vibrations of a sphere close to a free surface. <i>Journal of Fluid Mechanics</i> , 2018 , 846, 1023-1058	3.1	18
108	The Effect of Spatial Position on the Aerodynamic Interactions between Cyclists. <i>Procedia Engineering</i> , 2014 , 72, 774-779		17
107	The effects of sound on forced convection over a flat plate. <i>International Journal of Heat and Fluid Flow</i> , 1986 , 7, 61-68	2.4	17
106	The nature of the vortical structures in the near wake of the Ahmed body. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2017 , 231, 1239-1244	1.4	16
105	The effect of mass ratio on the structural response of a freely vibrating square cylinder oriented at different angles of attack. <i>Journal of Fluids and Structures</i> , 2019 , 86, 200-212	3.1	16
104	An experimental characterisation of the wake of a detailed heavy vehicle in cross-wind. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 175, 364-375	3.7	16
103	Flow field interactions between two tandem cyclists. <i>Experiments in Fluids</i> , 2016 , 57, 1	2.5	16
102	Dynamic Sensitivity to Atmospheric Turbulence of Unmanned Air Vehicles with Varying Configuration. <i>Journal of Aircraft</i> , 2010 , 47, 1873-1883	1.6	16
101	Aspect ratio studies on insect wings. <i>Physics of Fluids</i> , 2019 , 31, 121301	4.4	16
100	Study of the flow around railway embankment of different heights with and without trains. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020 , 202, 104203	3.7	15
99	The flow-induced vibration of an elliptical cross-section at varying angles of attack. <i>Journal of Fluids and Structures</i> , 2018 , 78, 356-373	3.1	15
98	Experimental investigation of flow-induced vibration of a sinusoidally rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2018 , 848, 430-466	3.7	15
97	Flow topology of a container train wagon subjected to varying local loading configurations. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017 , 169, 12-29	3.7	15
96	Flow over a cylinder subjected to combined translational and rotational oscillations. <i>Journal of Fluids and Structures</i> , 2012 , 32, 135-145	3.1	15
95	From the circular cylinder to the flat plate wake: The variation of Strouhal number with Reynolds number for elliptical cylinders. <i>Physics of Fluids</i> , 2013 , 25, 101706	4.4	15
94	Flow behind a cylinder forced by a combination of oscillatory translational and rotational motions. <i>Physics of Fluids</i> , 2009 , 21, 051701	4.4	15

93	State selection in Taylor-vortex flow reached with an accelerated inner cylinder. <i>Journal of Fluid Mechanics</i> , 2003 , 489, 79-99	3.7	15
92	The effect of angle of attack on flow-induced vibration of low-side-ratio rectangular cylinders. <i>Journal of Fluids and Structures</i> , 2018 , 82, 375-393	3.1	14
91	Analysis of forced convection heat transfer from a circular cylinder embedded in a porous medium. <i>International Journal of Thermal Sciences</i> , 2012 , 51, 121-131	4.1	14
90	Validation of thermal equilibrium assumption in forced convection steady and pulsatile flows over a cylinder embedded in a porous channel. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 43, 30-38	5.8	14
89	Efficiency improvement study for small wind turbines through flow control. <i>Sustainable Energy Technologies and Assessments</i> , 2014 , 7, 195-208	4.7	13
88	Bluff-body propulsion produced by combined rotary and translational oscillation. <i>Physics of Fluids</i> , 1999 , 11, 4-6	4.4	13
87	Characterisation of the wake of the DrivAer estate vehicle. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 177, 242-259	3.7	12
86	Branch/mode competition in the flow-induced vibration of a square cylinder. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	12
85	The three-dimensional wake of a cylinder undergoing a combination of translational and rotational oscillation in a quiescent fluid. <i>Physics of Fluids</i> , 2009 , 21, 064101	4.4	12
84	Influences of marshalling length on the flow structure of a maglev train. <i>International Journal of Heat and Fluid Flow</i> , 2020 , 85, 108604	2.4	11
83	Streamwise forced oscillations of circular and square cylinders. <i>Physics of Fluids</i> , 2012 , 24, 111703	4.4	11
82	Engineering imaging: using particle image velocimetry to see physiology in a new light. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 238-47	3	11
81	ON THE NEAR-WAKE TOPOLOGY OF AN OSCILLATING CYLINDER. <i>Journal of Fluids and Structures</i> , 1998 , 12, 215-220	3.1	11
80	A bioreactor model of mouse tumor progression. <i>Journal of Biomedicine and Biotechnology</i> , 2007 , 2007, 32754		11
79	Effect of radius of gyration on a wing rotating at low Reynolds number: A computational study. <i>Physical Review Fluids</i> , 2017 , 2,	2.8	11
78	Near-body vorticity dynamics of a square cylinder subjected to an inline pulsatile free stream flow. <i>Physics of Fluids</i> , 2016 , 28, 093605	4.4	11
77	An overview of experiments on the dynamic sensitivity of MAVs to turbulence. <i>Aeronautical Journal</i> , 2010 , 114, 485-492	0.9	10
76	Aerodynamic Effects as a Maglev Train Passes Through a Noise Barrier. <i>Flow, Turbulence and Combustion</i> , 2020 , 105, 761-785	2.5	10

75	The influence of reduced Reynolds number on the wake of the DrivAer estate vehicle. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019 , 188, 207-216	3.7	9
74	Flowfield simulation and aerodynamic performance analysis of complex iced aerofoils with hybrid multi-block grid. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2008 , 222, 417-422	0.9	9
73	Cylinder oscillations beneath a free-surface. <i>European Journal of Mechanics, B/Fluids</i> , 2004 , 23, 81-88	2.4	9
72	The Kelvin-Helmholtz Instability of the Separated Shear Layer from a Circular Cylinder 1993 , 115-118		9
71	Evolutionary shape optimisation enhances the lift coefficient of rotating wing geometries. <i>Journal of Fluid Mechanics</i> , 2019 , 868, 369-384	3.7	8
70	The impact of rails on high-speed train slipstream and wake. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020 , 198, 104114	3.7	8
69	Graphite flake self-retraction response based on potential seeking. <i>Nanoscale Research Letters</i> , 2012 , 7, 185	5	8
68	Numerical simulation of parachute Fluid-Structure Interaction in terminal descent. <i>Science China Technological Sciences</i> , 2012 , 55, 3131-3141	3.5	8
67	Phase dynamics of effective drag and lift components in vortex-induced vibration at low mass damping. <i>Journal of Fluids and Structures</i> , 2020 , 96, 103028	3.1	8
66	Effects of flapping-motion profiles on insect-wing aerodynamics. <i>Journal of Fluid Mechanics</i> , 2020 , 884,	3.7	8
65	Siting wind turbines near cliffs-the effect of wind direction. <i>Wind Energy</i> , 2016 , 19, 1469-1484	3.4	8
64	The effect of imposed rotary oscillation on the flow-induced vibration of a sphere. <i>Journal of Fluid Mechanics</i> , 2018 , 855, 703-735	3.7	8
63	Numerical analysis of periodic open-loop flow control on bluff bodies in ground proximity. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015 , 145, 339-350	3.7	7
62	Air flow around the point of an arrow. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2013 , 227, 64-69	0.7	7
61	Wake of forced flow around elliptical leading edge plates. <i>Journal of Fluids and Structures</i> , 2005 , 20, 157-176	3.7	7
60	Velocity Perturbations Induced by the Longitudinal Vortices in a Cylinder Wake. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 1996 , 118, 531-536	2.1	7
59	An experimental study of natural convection with coupled heat and mass transfer in porous media. <i>International Journal of Heat and Mass Transfer</i> , 1992 , 35, 2131-2143	4.9	7
58	The leading-edge vortex on a rotating wing changes markedly beyond a certain central body size. <i>Royal Society Open Science</i> , 2018 , 5, 172197	3.3	7

57	Modelling of adhesive bonding for aircraft structures applying the insertion squeeze flow method. <i>Composites Part B: Engineering</i> , 2013 , 50, 247-252	10	6
56	A quasi-static investigation of the effect of leg position on cyclist aerodynamic drag. <i>Procedia Engineering</i> , 2012 , 34, 3-8		6
55	Development of a Wind Tunnel Test Section for Evaluation of Heavy Vehicle Aerodynamic Drag at a scale of 1:3. <i>SAE International Journal of Commercial Vehicles</i> , 2013 , 6, 522-528	1	6
54	Contribution of Add-On Components to the Aerodynamic Drag of a Cab-Over Truck-Trailer Combination Vehicle. <i>SAE International Journal of Commercial Vehicles</i> , 2013 , 6, 477-485	1	6
53	Observations of Flow Structure Changes with Aspect Ratio for Rotating Insect Wing Planforms 2012 ,		6
52	Near-wake of a perturbed, horizontal cylinder at a free-surface. <i>Physics of Fluids</i> , 1996 , 8, 2107-2116	4.4	6
51	Digital readout manometer using an optical mouse. <i>European Journal of Physics</i> , 2007 , 28, N11-N16	0.8	6
50	Natural convection in enclosures filled with a vapour and a non-condensing gas. <i>International Journal of Heat and Mass Transfer</i> , 1989 , 32, 855-862	4.9	6
49	Airflow hazard prediction for helicopter flight in icing condition. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2014 , 228, 147-154	0.9	5
48	Experimental Assessment of CFD Predictions of Fascia Performance 2002 ,		5
47	An Experimental Investigation of Streamwise Vortices in the Wake of a Bluff Body. <i>Journal of Fluids and Structures</i> , 1994 , 8, 621-625	3.1	5
46	A Comparison of the Wake Structures of Scale and Full-scale Pedalling Cycling Models. <i>Procedia Engineering</i> , 2016 , 147, 13-19		5
45	The influence of a small upstream wire on transition in a rotating cylinder wake. <i>Journal of Fluid Mechanics</i> , 2015 , 769,	3.7	4
44	Surface flow visualisation over forward facing steps with varying yaw angle. <i>Journal of Physics: Conference Series</i> , 2014 , 555, 012086	0.3	4
43	Evolution and breakdown of helical vortex wakes behind a wind turbine. <i>Journal of Physics: Conference Series</i> , 2014 , 555, 012077	0.3	4
42	Vortex separation and interaction in the wake of inclined trapezoidal plates. <i>Journal of Fluid Mechanics</i> , 2015 , 771, 341-369	3.7	4
41	Dominant Flow Structures In The Wake of A Cyclist 2012 ,		4
40	Power-Spectral density estimate of the Bloor-Gerrard instability in flows around circular cylinders. <i>Experiments in Fluids</i> , 2011 , 50, 527-534	2.5	4

39	THE WAKE OF AN ORBITING CYLINDER. <i>Journal of Fluids and Structures</i> , 1997 , 11, 617-626	3.1	4
38	Characteristics of force coefficients and energy transfer for vortex shedding modes of a square cylinder subjected to inline excitation. <i>Journal of Fluids and Structures</i> , 2018 , 81, 270-288	3.1	4
37	On the mechanism of symmetric vortex shedding. <i>Journal of Fluids and Structures</i> , 2019 , 91, 102706	3.1	3
36	Feedback control of flow-induced vibration of a sphere. <i>Journal of Fluid Mechanics</i> , 2020 , 889,	3.7	3
35	A numerical model for the time-dependent wake of a pedalling cyclist. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2019 , 233, 514-525	0.7	3
34	FLOW FIELD AND TOPOLOGICAL ANALYSIS OF HEMISPHERICAL PARACHUTE IN LOW ANGLES OF ATTACK. <i>Modern Physics Letters B</i> , 2010 , 24, 1707-1725	1.6	3
33	Friction law for water flowing in carbon nanotubes 2010 ,		3
32	Optimisation of Boat-Tails for Heavy Vehicles 2011 ,		3
31	Simulation of Resin Film Infusion Process using Finite Element/Nodal Control Volume Approach. <i>Advanced Composites Letters</i> , 1999 , 8, 096369359900800	1.2	3
30	Base pressure coefficients for flows around rectangular plates. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1993 , 49, 311-318	3.7	3
29	The Simulated and Experimental Performance of a Solar Heat Generating System. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 1982 , 104, 317-325	2.3	3
28	Excitation and Damping Fluid Forces on a Cylinder Undergoing Vortex-Induced Vibration. <i>Frontiers in Physics</i> , 2019 , 7,	3.9	3
27	Flow-induced vibration of a cube orientated at different incidence angles. <i>Journal of Fluids and Structures</i> , 2019 , 91, 102701	3.1	2
26	Large amplitude cross-stream sphere vibration generated by applied rotational oscillation. <i>Journal of Fluids and Structures</i> , 2019 , 89, 156-165	3.1	2
25	An Analysis of the Wake of Pedalling Cyclists in a Tandem Formation. <i>Procedia Engineering</i> , 2016 , 147, 7-12		2
24	Siting Wind Turbines Near Cliffs: The Effect of Ruggedness. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2019 , 141,	2.1	2
23	Numerical and Experimental Investigation of the Effect of Multiple Rotating Cylinders on Base Pressure of a Three Dimensional Bluff Body in Ground Proximity 2012 ,		2
22	Numerical simulation of fluid-structure interaction in the opening process of conical parachute. <i>Aeronautical Journal</i> , 2009 , 113, 191-200	0.9	2

21	The Effect of Turbulence Intensity on Performance of a NACA4421 Airfoil Section 2004 ,		2
20	CONTROLLED MOTION OF A CYLINDER THROUGH A FREE SURFACE: EFFECT OF DEPTH OF PENETRATION. <i>Journal of Fluids and Structures</i> , 1996 , 10, 309-317	3.1	2
19	Experimental investigation of vortex shedding from a plate: effect of external velocity perturbation. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1993 , 49, 401-410	3.7	2
18	Aspect ratio and the dynamic wake of the Ahmed body. <i>Experimental Thermal and Fluid Science</i> , 2021 , 110457	3	2
17	A device to achieve low Reynolds numbers in an open surface water channel. <i>Experiments in Fluids</i> , 2014 , 55, 1	2.5	1
16	Wind Tunnel Investigation of a Double Stacked Wagon in Free-Stream 2015 ,		1
15	Dynamic Sensitivity to Atmospheric Turbulence of a Fixed-Wing MAV with Varying Configuration 2009 ,		1
14	Vibration reduction of a sphere through shear-layer control. <i>Journal of Fluids and Structures</i> , 2021 , 105, 103325	3.1	1
13	Active control of flow over a backward-facing step at high Reynolds numbers. <i>International Journal of Heat and Fluid Flow</i> , 2022 , 93, 108891	2.4	0
12	Numerical and Experimental Investigations of the Flow Around a High-Speed Train on an Embankment Under Side Wind Conditions. <i>Lecture Notes in Applied and Computational Mechanics</i> , 2016 , 113-130	0.3	0
11	Linear stability analysis for an optimum Glauert rotor modelled by an actuator disc. <i>Journal of Physics: Conference Series</i> , 2014 , 524, 012150	0.3	
10	A thermistor-based instrument for measuring vehicle cooling airflow 2011 , 145-154		
9	Numerical simulation of fluid-structure interaction in the opening process of conical parachute. <i>Aeronautical Journal</i> , 2009 , 113, 165-175	0.9	
8	Thermo-Fluid Mechanics of Fluid Injection and Refrigeration System Performance Improvement 2007 , 93		
7	Vortex Forces on an Oscillating Cylinder 2002 , 275		
6	Surface Roughness Effects on Circular Cylinders at High Reynolds Numbers 2002 , 187		
5	Non-Newtonian flow over the trailing edge of an airfoil. <i>Experimental Thermal and Fluid Science</i> , 1996 , 12, 244-249	3	
4	TEMPERATURE PROFILES IN COUPLED HEAT AND MASS TRANSFER IN POROUS MEDIA 1992 , 764-773		

- 3 Experimental Study of a Tethered Cylinder in a Free Stream. *Fluid Mechanics and Its Applications*, **2003**, 125-133 0.2
- 2 Flow-Induced Vibration and Energy Harvesting Using Fully-Passive Flapping Foils. *IUTAM Symposium on Cellular, Molecular and Tissue Mechanics*, **2019**, 53-62 0.3
- 1 Wake Flows of Highly Detailed Heavy Vehicles. *International Journal of Automotive Technology*, **2021**, 22, 1227-1243 1.6