

John Sheridan

List of Publications by Year in descending order

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191
papers

5,741
citations

66315

42
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66
g-index

192
all docs

192
docs citations

192
times ranked

2794
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional instabilities in the wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 1996, 12, 190-196.	1.5	204
2	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.	1.4	165
3	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.	1.4	165
4	Fluid-structure interaction of a square cylinder at different angles of attack. <i>Journal of Fluid Mechanics</i> , 2014, 747, 688-721.	1.4	160
5	FORCES AND WAKE MODES OF AN OSCILLATING CYLINDER. <i>Journal of Fluids and Structures</i> , 2001, 15, 523-532.	1.5	136
6	Controlled oscillations of a cylinder: forces and wake modes. <i>Journal of Fluid Mechanics</i> , 2005, 538, 31.	1.4	125
7	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.	1.7	122
8	Flow past a cylinder close to a free surface. <i>Journal of Fluid Mechanics</i> , 1997, 330, 1-30.	1.4	118
9	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.	1.7	118
10	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.	1.7	111
11	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.	1.5	106
12	Strain engineering water transport in graphene nanochannels. <i>Physical Review E</i> , 2011, 84, 056329.	0.8	101
13	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.	1.7	100
14	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.	1.4	98
15	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.	2.5	91
16	Three-dimensional vortex structures in a cylinder wake. <i>Journal of Fluid Mechanics</i> , 1996, 312, 201-222.	1.4	83
17	Friction of water slipping in carbon nanotubes. <i>Physical Review E</i> , 2011, 83, 036316.	0.8	80
18	A review of rotating cylinder wake transitions. <i>Journal of Fluids and Structures</i> , 2015, 53, 2-14.	1.5	77

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19	The effect of the ground condition on high-speed train slipstream. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 172, 230-243.	1.7	74
20	A fluid dynamics approach to bioreactor design for cell and tissue culture. Biotechnology and Bioengineering, 2006, 94, 1196-1208.	1.7	73
21	Flow-induced vibration of two cylinders in tandem and staggered arrangements. Journal of Fluid Mechanics, 2017, 833, 98-130.	1.4	72
22	A hybrid solar desiccant cooling system. Solar Energy, 1985, 34, 187-193.	2.9	69
23	Flow topology in the wake of a cyclist and its effect on aerodynamic drag. Journal of Fluid Mechanics, 2014, 748, 5-35.	1.4	68
24	Dynamics of trailing vortices in the wake of a generic high-speed train. Journal of Fluids and Structures, 2016, 65, 238-256.	1.5	67
25	The interaction of helical tip and root vortices in a wind turbine wake. Physics of Fluids, 2013, 25, .	1.6	64
26	Particle image velocimetry and visualization of natural and forced flow around rectangular cylinders. Journal of Fluid Mechanics, 2003, 478, 299-323.	1.4	62
27	Damping effects on vortex-induced vibration of a circular cylinder and implications for power extraction. Journal of Fluids and Structures, 2018, 81, 289-308.	1.5	62
28	The primary and secondary instabilities of flow generated by an oscillating circular cylinder. Journal of Fluid Mechanics, 2006, 550, 359.	1.4	60
29	Experimental investigation of flow-induced vibration of a rotating circular cylinder. Journal of Fluid Mechanics, 2017, 829, 486-511.	1.4	60
30	The effect of bogies on high-speed train slipstream and wake. Journal of Fluids and Structures, 2018, 83, 471-489.	1.5	60
31	The role of advance ratio and aspect ratio in determining leading-edge vortex stability for flapping flight. Journal of Fluid Mechanics, 2014, 751, 71-105.	1.4	59
32	Flow topology and unsteady features of the wake of a generic high-speed train. Journal of Fluids and Structures, 2016, 61, 168-183.	1.5	58
33	Harnessing electrical power from vortex-induced vibration of a circular cylinder. Journal of Fluids and Structures, 2017, 70, 360-373.	1.5	56
34	Response of base suction and vortex shedding from rectangular prisms to transverse forcing. Journal of Fluid Mechanics, 2002, 461, 25-49.	1.4	55
35	Small is beautiful, and dry. Science China: Physics, Mechanics and Astronomy, 2010, 53, 2245-2259.	2.0	54
36	Numerical simulation of ice accretions on an aircraft wing. Aerospace Science and Technology, 2012, 23, 296-304.	2.5	54

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37	An experimental investigation of streamwise vortices in the wake of a bluff body. <i>Journal of Fluids and Structures</i> , 1994, 8, 621-635.	1.5	53
38	Scaling of streamwise vortices in wakes. <i>Physics of Fluids</i> , 1995, 7, 2307-2309.	1.6	53
39	Aerodynamic drag interactions between cyclists in a team pursuit. <i>Sports Engineering</i> , 2015, 18, 93-103.	0.5	53
40	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.	1.5	52
41	Dynamic leg-motion and its effect on the aerodynamic performance of cyclists. <i>Journal of Fluids and Structures</i> , 2016, 65, 121-137.	1.5	46
42	Vortex-induced vibration of a rotating sphere. <i>Journal of Fluid Mechanics</i> , 2018, 837, 258-292.	1.4	45
43	Characterisation of a horizontal axis wind turbine's tip and root vortices. <i>Experiments in Fluids</i> , 2013, 54, 1.	1.1	44
44	Experimental evidence of new three-dimensional modes in the wake of a rotating cylinder. <i>Journal of Fluid Mechanics</i> , 2013, 734, 567-594.	1.4	44
45	On the near wake of a simplified heavy vehicle. <i>Journal of Fluids and Structures</i> , 2016, 66, 293-314.	1.5	43
46	The effect of aspect ratio on the wake of the Ahmed body. <i>Experiments in Fluids</i> , 2015, 56, 1.	1.1	40
47	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, .	0.8	39
48	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.	1.7	39
49	Spanwise wake structures of a circular cylinder and two circular cylinders in tandem. <i>Experimental Thermal and Fluid Science</i> , 1994, 9, 299-308.	1.5	38
50	Controlled oscillations of a cylinder: a new wake state. <i>Journal of Fluids and Structures</i> , 2003, 17, 337-343.	1.5	37
51	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.	2.5	37
52	Experimental investigation of in-line flow-induced vibration of a rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2018, 847, 664-699.	1.4	37
53	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.	1.4	37
54	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.	1.5	36

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55	Chaotic vortex induced vibrations. <i>Physics of Fluids</i> , 2014, 26, .	1.6	36
56	Relationship between aerodynamic forces, flow structures and wing camber for rotating insect wing planforms. <i>Journal of Fluid Mechanics</i> , 2013, 730, 52-75.	1.4	34
57	Time Averaged and Unsteady Near-Wake Analysis of Cars. , 0, , .		33
58	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.	1.7	32
59	Aspect ratio studies on insect wings. <i>Physics of Fluids</i> , 2019, 31, .	1.6	32
60	Metastable states of a cylinder wake adjacent to a free surface. <i>Physics of Fluids</i> , 1995, 7, 2099-2101.	1.6	31
61	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.	1.2	31
62	Frequency Analysis of Surface Pressures on an Airfoil After Stall. , 2003, , .		30
63	Wake states and response branches of forced and freely oscillating cylinders. <i>European Journal of Mechanics, B/Fluids</i> , 2004, 23, 89-97.	1.2	30
64	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.	1.5	30
65	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.	1.7	30
66	Modification of three-dimensional transition in the wake of a rotationally oscillating cylinder. <i>Journal of Fluid Mechanics</i> , 2010, 643, 349-362.	1.4	28
67	Mutual inductance of two helical vortices. <i>Journal of Fluid Mechanics</i> , 2015, 774, 298-310.	1.4	28
68	Longitudinal vortex structures in a cylinder wake. <i>Physics of Fluids</i> , 1994, 6, 2883-2885.	1.6	27
69	Experimental investigation of flow-induced vibration of a sinusoidally rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2018, 848, 430-466.	1.4	27
70	Effect of crosswinds and wheel selection on the aerodynamic behavior of a cyclist. <i>Procedia Engineering</i> , 2012, 34, 20-25.	1.2	26
71	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.	0.4	26
72	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.	1.5	26

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73	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.	1.5	26
74	Numerical analysis of bluff body wakes under periodic open-loop control. <i>Journal of Fluid Mechanics</i> , 2014, 739, 94-123.	1.4	25
75	Passive heaving of elliptical cylinders with active pitching – From cylinders towards flapping foils. <i>Journal of Fluids and Structures</i> , 2016, 67, 124-141.	1.5	25
76	Influences of marshalling length on the flow structure of a maglev train. <i>International Journal of Heat and Fluid Flow</i> , 2020, 85, 108604.	1.1	25
77	Kármán vortex formation from a cylinder: Role of phase-locked Kelvin-Helmholtz vortices. <i>Physics of Fluids</i> , 1995, 7, 2288-2290.	1.6	24
78	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.	2.6	24
79	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.	1.7	24
80	The Effect of Spatial Position on the Aerodynamic Interactions between Cyclists. <i>Procedia Engineering</i> , 2014, 72, 774-779.	1.2	23
81	Vortex-induced vibrations of a sphere close to a free surface. <i>Journal of Fluid Mechanics</i> , 2018, 846, 1023-1058.	1.4	23
82	Wake states of a tethered cylinder. <i>Journal of Fluid Mechanics</i> , 2007, 592, 1-21.	1.4	22
83	The effects of sound on forced convection over a flat plate. <i>International Journal of Heat and Fluid Flow</i> , 1986, 7, 61-68.	1.1	21
84	Global frequency selection in the observed time-mean wakes of circular cylinders. <i>Journal of Fluid Mechanics</i> , 2008, 601, 425-441.	1.4	21
85	Numerical simulation of rime ice accretions on an aerofoil using an Eulerian method. <i>Aeronautical Journal</i> , 2008, 112, 243-249.	1.1	21
86	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.	2.9	21
87	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, .	1.6	21
88	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.	1.7	21
89	Flow field interactions between two tandem cyclists. <i>Experiments in Fluids</i> , 2016, 57, 1.	1.1	20
90	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.	1.1	20

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91	Bluff-body propulsion produced by combined rotary and translational oscillation. <i>Physics of Fluids</i> , 1999, 11, 4-6.	1.6	19
92	Dynamic Sensitivity to Atmospheric Turbulence of Unmanned Air Vehicles with Varying Configuration. <i>Journal of Aircraft</i> , 2010, 47, 1873-1883.	1.7	19
93	Efficiency improvement study for small wind turbines through flow control. <i>Sustainable Energy Technologies and Assessments</i> , 2014, 7, 195-208.	1.7	19
94	Effects of flapping-motion profiles on insect-wing aerodynamics. <i>Journal of Fluid Mechanics</i> , 2020, 884, .	1.4	19
95	State selection in Taylor-vortex flow reached with an accelerated inner cylinder. <i>Journal of Fluid Mechanics</i> , 2003, 489, 79-99.	1.4	18
96	Flow over a cylinder subjected to combined translational and rotational oscillations. <i>Journal of Fluids and Structures</i> , 2012, 32, 135-145.	1.5	18
97	Phase dynamics of effective drag and lift components in vortex-induced vibration at low massâ€ damping. <i>Journal of Fluids and Structures</i> , 2020, 96, 103028.	1.5	18
98	Flow behind a cylinder forced by a combination of oscillatory translational and rotational motions. <i>Physics of Fluids</i> , 2009, 21, .	1.6	17
99	Characterisation of the wake of the DrivAer estate vehicle. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 177, 242-259.	1.7	17
100	Aerodynamic Effects as a Maglev Train Passes Through a Noise Barrier. <i>Flow, Turbulence and Combustion</i> , 2020, 105, 761-785.	1.4	17
101	An overview of experiments on the dynamic sensitivity of MAVs to turbulence. <i>Aeronautical Journal</i> , 2010, 114, 485-492.	1.1	16
102	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.	1.1	16
103	The Kelvin-Helmholtz Instability of the Separated Shear Layer from a Circular Cylinder. , 1993, , 115-118.		16
104	Effect of radius of gyration on a wing rotating at low Reynolds number: A computational study. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	16
105	A Bioreactor Model of Mouse Tumor Progression. <i>Journal of Biomedicine and Biotechnology</i> , 2007, 2007, 1-9.	3.0	15
106	ENGINEERING IMAGING: USING PARTICLE IMAGE VELOCIMETRY TO SEE PHYSIOLOGY IN A NEW LIGHT. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 238-247.	0.9	15
107	Streamwise forced oscillations of circular and square cylinders. <i>Physics of Fluids</i> , 2012, 24, .	1.6	15
108	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.	1.7	15

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109	ON THE NEAR-WAKE TOPOLOGY OF AN OSCILLATING CYLINDER. <i>Journal of Fluids and Structures</i> , 1998, 12, 215-220.	1.5	14
110	The impact of rails on high-speed train slipstream and wake. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 198, 104114.	1.7	14
111	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.	0.7	13
112	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, .	1.6	13
113	Near-body vorticity dynamics of a square cylinder subjected to an inline pulsatile free stream flow. <i>Physics of Fluids</i> , 2016, 28, .	1.6	13
114	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, 20170243.	1.6	13
115	An IDDES study of the near-wake flow topology of a simplified heavy vehicle. <i>Transportation Safety and Environment</i> , 2022, 4, .	1.1	13
116	Cylinder oscillations beneath a free-surface. <i>European Journal of Mechanics, B/Fluids</i> , 2004, 23, 81-88.	1.2	12
117	The effect of imposed rotary oscillation on the flow-induced vibration of a sphere. <i>Journal of Fluid Mechanics</i> , 2018, 855, 703-735.	1.4	12
118	Evolutionary shape optimisation enhances the lift coefficient of rotating wing geometries. <i>Journal of Fluid Mechanics</i> , 2019, 868, 369-384.	1.4	12
119	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.	2.5	11
120	Modelling of adhesive bonding for aircraft structures applying the insertion squeeze flow method. <i>Composites Part B: Engineering</i> , 2013, 50, 247-252.	5.9	11
121	Base pressure coefficients for flows around rectangular plates. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1993, 49, 311-318.	1.7	10
122	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.	0.4	10
123	Numerical simulation of parachute Fluid-Structure Interaction in terminal descent. <i>Science China Technological Sciences</i> , 2012, 55, 3131-3141.	2.0	9
124	Graphite flake self-retraction response based on potential seeking. <i>Nanoscale Research Letters</i> , 2012, 7, 185.	3.1	9
125	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> , 0, 6, 477-485.	0.4	9
126	Vortex separation and interaction in the wake of inclined trapezoidal plates. <i>Journal of Fluid Mechanics</i> , 2015, 771, 341-369.	1.4	9

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127	Feedback control of flow-induced vibration of a sphere. <i>Journal of Fluid Mechanics</i> , 2020, 889, .	1.4	9
128	Aspect ratio and the dynamic wake of the Ahmed body. <i>Experimental Thermal and Fluid Science</i> , 2022, 130, 110457.	1.5	9
129	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.	2.5	8
130	Near-wake of a perturbed, horizontal cylinder at a free-surface. <i>Physics of Fluids</i> , 1996, 8, 2107-2116.	1.6	8
131	Digital readout manometer using an optical mouse. <i>European Journal of Physics</i> , 2007, 28, N11-N16.	0.3	8
132	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.	0.4	8
133	Siting wind turbines near cliffs—the effect of wind direction. <i>Wind Energy</i> , 2016, 19, 1469-1484.	1.9	8
134	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.	0.8	7
135	Wake of forced flow around elliptical leading edge plates. <i>Journal of Fluids and Structures</i> , 2005, 20, 157-176.	1.5	7
136	Power-Spectral density estimate of the Bloor-Gerrard instability in flows around circular cylinders. <i>Experiments in Fluids</i> , 2011, 50, 527-534.	1.1	7
137	A quasi-static investigation of the effect of leg position on cyclist aerodynamic drag. <i>Procedia Engineering</i> , 2012, 34, 3-8.	1.2	7
138	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.	0.7	7
139	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.	1.7	7
140	A Comparison of the Wake Structures of Scale and Full-scale Pedalling Cycling Models. <i>Procedia Engineering</i> , 2016, 147, 13-19.	1.2	7
141	An Experimental Investigation of Streamwise Vortices in the Wake of a Bluff Body. <i>Journal of Fluids and Structures</i> , 1994, 8, 621-625.	1.5	6
142	Observations of Flow Structure Changes with Aspect Ratio for Rotating Insect Wing Planforms. , 2012, , .		6
143	The influence of a small upstream wire on transition in a rotating cylinder wake. <i>Journal of Fluid Mechanics</i> , 2015, 769, .	1.4	6
144	THE WAKE OF AN ORBITING CYLINDER. <i>Journal of Fluids and Structures</i> , 1997, 11, 617-626.	1.5	5

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145	Experimental Assessment of CFD Predictions of Fascia Performance. , 0, , .		5
146	Optimisation of Boat-Tails for Heavy Vehicles. , 2011, , .		5
147	Evolution and breakdown of helical vortex wakes behind a wind turbine. Journal of Physics: Conference Series, 2014, 555, 012077.	0.3	5
148	Characteristics of force coefficients and energy transfer for vortex shedding modes of a square cylinder subjected to inline excitation. Journal of Fluids and Structures, 2018, 81, 270-288.	1.5	5
149	Excitation and Damping Fluid Forces on a Cylinder Undergoing Vortex-Induced Vibration. Frontiers in Physics, 2019, 7, .	1.0	5
150	Simulation of Resin Film Infusion Process using Finite Element/Nodal Control Volume Approach. Advanced Composites Letters, 1999, 8, 096369359900800.	1.3	4
151	Dominant Flow Structures In The Wake of A Cyclist. , 2012, , .		4
152	Surface flow visualisation over forward facing steps with varying yaw angle. Journal of Physics: Conference Series, 2014, 555, 012086.	0.3	4
153	A numerical model for the time-dependent wake of a pedalling cyclist. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2019, 233, 514-525.	0.4	4
154	On the mechanism of symmetric vortex shedding. Journal of Fluids and Structures, 2019, 91, 102706.	1.5	4
155	Large amplitude cross-stream sphere vibration generated by applied rotational oscillation. Journal of Fluids and Structures, 2019, 89, 156-165.	1.5	4
156	The double backward-facing step: interaction of multiple separated flow regions. Journal of Fluid Mechanics, 2022, 936, .	1.4	4
157	The Simulated and Experimental Performance of a Solar Heat Generating System. Journal of Solar Energy Engineering, Transactions of the ASME, 1982, 104, 317-325.	1.1	3
158	Experimental investigation of vortex shedding from a plate: effect of external velocity perturbation. Journal of Wind Engineering and Industrial Aerodynamics, 1993, 49, 401-410.	1.7	3
159	FLOW FIELD AND TOPOLOGICAL ANALYSIS OF HEMISPHERICAL PARACHUTE IN LOW ANGLES OF ATTACK. Modern Physics Letters B, 2010, 24, 1707-1725.	1.0	3
160	Friction law for water flowing in carbon nanotubes. , 2010, , .		3
161	An Analysis of the Wake of Pedalling Cyclists in a Tandem Formation. Procedia Engineering, 2016, 147, 7-12.	1.2	3
162	Vibration reduction of a sphere through shear-layer control. Journal of Fluids and Structures, 2021, 105, 103325.	1.5	3

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163	Active control of flow over a backward-facing step at high Reynolds numbers. International Journal of Heat and Fluid Flow, 2022, 93, 108891.	1.1	3
164	CONTROLLED MOTION OF A CYLINDER THROUGH A FREE SURFACE: EFFECT OF DEPTH OF PENETRATION. Journal of Fluids and Structures, 1996, 10, 309-317.	1.5	2
165	The Effect of Turbulence Intensity on Performance of a NACA4421 Airfoil Section. , 2004, , .		2
166	Numerical simulation of fluid-structure interaction in the opening process of conical parachute. Aeronautical Journal, 2009, 113, 191-200.	1.1	2
167	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
168	Siting Wind Turbines Near Cliffs: The Effect of Ruggedness. Journal of Fluids Engineering, Transactions of the ASME, 2019, 141, .	0.8	2
169	Flow-induced vibration of a cube orientated at different incidence angles. Journal of Fluids and Structures, 2019, 91, 102701.	1.5	2
170	Non-Newtonian flow over the trailing edge of an airfoil. Experimental Thermal and Fluid Science, 1996, 12, 244-249.	1.5	1
171	The response of the separated shear layer from a cylinder to acoustic perturbations. , 1997, , .		1
172	Dynamic Sensitivity to Atmospheric Turbulence of a Fixed-Wing MAV with Varying Configuration. , 2009, , .		1
173	Time-dependent fluid flow and heat transfer around a circular heated cylinder embedded in a horizontal packed bed of spheres. AIP Conference Proceedings, 2010, , .	0.3	1
174	Flow Characteristics of a Three Dimensional Bluff Body With a Single Rotating Cylinder. , 2012, , .		1
175	A device to achieve low Reynolds numbers in an open surface water channel. Experiments in Fluids, 2014, 55, 1.	1.1	1
176	Wind Tunnel Investigation of a Double Stacked Wagon in Free-Stream. , 2015, , .		1
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