

Mark Thompson

List of Publications by Year in descending order

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papers

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all docs

177
docs citations

177
times ranked

2298
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional instabilities in the wake of a circular cylinder. Experimental Thermal and Fluid Science, 1996, 12, 190-196.	2.7	204
2	Reynolds number and aspect ratio effects on the leading-edge vortex for rotating insect wing planforms. Journal of Fluid Mechanics, 2013, 717, 166-192.	3.4	165
3	The beginning of branching behaviour of vortex-induced vibration during two-dimensional flow. Journal of Fluids and Structures, 2006, 22, 857-864.	3.4	126
4	The performance of different turbulence models (URANS, SAS and DES) for predicting high-speed train slipstream. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 165, 46-57.	3.9	118
5	KINEMATICS AND DYNAMICS OF SPHERE WAKE TRANSITION. Journal of Fluids and Structures, 2001, 15, 575-585.	3.4	112
6	From spheres to circular cylinders: the stability and flow structures of bluff ring wakes. Journal of Fluid Mechanics, 2003, 492, 147-180.	3.4	109
7	Flow past a cylinder close to a free surface. Journal of Fluid Mechanics, 2005, 533, .	3.4	106
8	Three-dimensional transition in the wake of a transversely oscillating cylinder. Journal of Fluid Mechanics, 2007, 577, 79-104.	3.4	102
9	Moving model analysis of the slipstream and wake of a high-speed train. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 136, 127-137.	3.9	100
10	Low-Reynolds-number wakes of elliptical cylinders: from the circular cylinder to the normal flat plate. Journal of Fluid Mechanics, 2014, 751, 570-600.	3.4	98
11	Wake state and energy transitions of an oscillating cylinder at low Reynolds number. Physics of Fluids, 2006, 18, 067101.	4.0	97
12	Three-dimensional transition in the wake of bluff elongated cylinders. Journal of Fluid Mechanics, 2005, 538, 1.	3.4	88
13	The effect of the ground condition on high-speed train slipstream. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 172, 230-243.	3.9	74
14	Three-dimensionality in the wake of a rotating cylinder in a uniform flow. Journal of Fluid Mechanics, 2013, 717, 1-29.	3.4	71
15	From spheres to circular cylinders: non-axisymmetric transitions in the flow past rings. Journal of Fluid Mechanics, 2004, 506, 45-78.	3.4	70
16	Flow topology in the wake of a cyclist and its effect on aerodynamic drag. Journal of Fluid Mechanics, 2014, 748, 5-35.	3.4	68
17	Dynamics of trailing vortices in the wake of a generic high-speed train. Journal of Fluids and Structures, 2016, 65, 238-256.	3.4	67
18	Hydrodynamics of a particle impact on a wall. Applied Mathematical Modelling, 2006, 30, 1356-1369.	4.2	62

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19	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.	3.4	62
20	Experimental investigation of flow-induced vibration of a rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2017, 829, 486-511.	3.4	60
21	The effect of bogies on high-speed train slipstream and wake. <i>Journal of Fluids and Structures</i> , 2018, 83, 471-489.	3.4	60
22	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.	3.4	59
23	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.	3.4	58
24	Computations of the drag coefficients for low-Reynolds-number flow past rings. <i>Journal of Fluid Mechanics</i> , 2005, 526, 257-275.	3.4	57
25	Wake states and frequency selection of a streamwise oscillating cylinder. <i>Journal of Fluid Mechanics</i> , 2013, 730, 162-192.	3.4	56
26	Harnessing electrical power from vortex-induced vibration of a circular cylinder. <i>Journal of Fluids and Structures</i> , 2017, 70, 360-373.	3.4	56
27	Flow-induced vibration of D-section cylinders: an afterbody is not essential for vortex-induced vibration. <i>Journal of Fluid Mechanics</i> , 2018, 851, 317-343.	3.4	56
28	Forced convection from a circular cylinder in pulsating flow with and without the presence of porous media. <i>International Journal of Heat and Mass Transfer</i> , 2013, 61, 226-244.	4.8	54
29	Wake transition of two-dimensional cylinders and axisymmetric bluff bodies. <i>Journal of Fluids and Structures</i> , 2006, 22, 793-806.	3.4	53
30	Aerodynamic drag interactions between cyclists in a team pursuit. <i>Sports Engineering</i> , 2015, 18, 93-103.	1.1	53
31	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.	2.7	52
32	Predicted low frequency structures in the wake of elliptical cylinders. <i>European Journal of Mechanics, B/Fluids</i> , 2004, 23, 229-239.	2.5	51
33	A numerical study of an inline oscillating cylinder in a free stream. <i>Journal of Fluid Mechanics</i> , 2011, 688, 551-568.	3.4	48
34	Steady inlet flow in stenotic geometries: convective and absolute instabilities. <i>Journal of Fluid Mechanics</i> , 2008, 616, 111-133.	3.4	47
35	Three-dimensionality in the wake of a rapidly rotating cylinder in uniform flow. <i>Journal of Fluid Mechanics</i> , 2013, 730, 379-391.	3.4	47
36	Vorticity generation and conservation for two-dimensional interfaces and boundaries. <i>Journal of Fluid Mechanics</i> , 2014, 758, 63-93.	3.4	47

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37	Vortex-induced vibration of a rotating sphere. Journal of Fluid Mechanics, 2018, 837, 258-292.	3.4	45
38	The wake behind a cylinder rolling on a wall at varying rotation rates. Journal of Fluid Mechanics, 2010, 648, 225-256.	3.4	44
39	Experimental evidence of new three-dimensional modes in the wake of a rotating cylinder. Journal of Fluid Mechanics, 2013, 734, 567-594.	3.4	44
40	On the near wake of a simplified heavy vehicle. Journal of Fluids and Structures, 2016, 66, 293-314.	3.4	43
41	Sphere-wall collisions: vortex dynamics and stability. Journal of Fluid Mechanics, 2007, 575, 121-148.	3.4	42
42	The sensitivity of steady vortex breakdown bubbles in confined cylinder flows to rotating lid misalignment. Journal of Fluid Mechanics, 2003, 496, 129-138.	3.4	40
43	Computational Fluid Dynamics Study of the Effect of Leg Position on Cyclist Aerodynamic Drag. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	1.5	39
44	A wind-tunnel methodology for assessing the slipstream of high-speed trains. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 166, 1-19.	3.9	39
45	CFD MODELING OF THE STEADY-STATE MOMENTUM AND OXYGEN TRANSPORT IN A BIOREACTOR THAT IS DRIVEN BY AN AERIAL ROTATING DISK. Modern Physics Letters B, 2009, 23, 121-127.	1.9	38
46	The response of an elastic splitter plate attached to a cylinder to laminar pulsatile flow. Journal of Fluids and Structures, 2017, 68, 423-443.	3.4	38
47	Flow past rectangular cylinders: receptivity to transverse forcing. Journal of Fluid Mechanics, 2004, 515, 33-62.	3.4	37
48	Numerical and experimental studies of the rolling sphere wake. Journal of Fluid Mechanics, 2010, 643, 137-162.	3.4	37
49	The effect of porous media particle size on forced convection from a circular cylinder without assuming local thermal equilibrium between phases. International Journal of Heat and Mass Transfer, 2012, 55, 3366-3378.	4.8	37
50	Stability analysis of the elliptic cylinder wake. Journal of Fluid Mechanics, 2015, 763, 302-321.	3.4	37
51	Experimental investigation of in-line flow-induced vibration of a rotating circular cylinder. Journal of Fluid Mechanics, 2018, 847, 664-699.	3.4	37
52	Uncoupling the effects of aspect ratio, Reynolds number and Rossby number on a rotating insect-wing planform. Journal of Fluid Mechanics, 2019, 859, 921-948.	3.4	37
53	Wake behaviour and instability of flow through a partially blocked channel. Journal of Fluid Mechanics, 2007, 582, 319-340.	3.4	36
54	Flow around an impulsively arrested circular cylinder. Physics of Fluids, 2007, 19, .	4.0	34

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55	Relationship between aerodynamic forces, flow structures and wing camber for rotating insect wing planforms. <i>Journal of Fluid Mechanics</i> , 2013, 730, 52-75.	3.4	34
56	Vortex dynamics associated with the collision of a sphere with a wall. <i>Physics of Fluids</i> , 2004, 16, L74-L77.	4.0	33
57	Stability of a pair of co-rotating vortices with axial flow. <i>Physics of Fluids</i> , 2008, 20, .	4.0	33
58	Experiments on the elliptic instability in vortex pairs with axial core flow. <i>Journal of Fluid Mechanics</i> , 2011, 677, 383-416.	3.4	33
59	Vortex-induced vibration of a neutrally buoyant tethered sphere. <i>Journal of Fluid Mechanics</i> , 2013, 719, 97-128.	3.4	33
60	The evolution of a subharmonic mode in a vortex street. <i>Journal of Fluid Mechanics</i> , 2005, 534, 23-38.	3.4	32
61	Aspect ratio studies on insect wings. <i>Physics of Fluids</i> , 2019, 31, .	4.0	32
62	Effect of small asymmetries on axisymmetric stenotic flow. <i>Journal of Fluid Mechanics</i> , 2013, 721, .	3.4	30
63	A numerical study of global frequency selection in the time-mean wake of a circular cylinder. <i>Journal of Fluid Mechanics</i> , 2010, 645, 435-446.	3.4	29
64	Modification of three-dimensional transition in the wake of a rotationally oscillating cylinder. <i>Journal of Fluid Mechanics</i> , 2010, 643, 349-362.	3.4	28
65	Vortex-induced vibrations of a diamond cross-section: Sensitivity to corner sharpness. <i>Journal of Fluids and Structures</i> , 2013, 39, 371-390.	3.4	28
66	Transverse flow-induced vibrations of a sphere. <i>Journal of Fluid Mechanics</i> , 2018, 837, 931-966.	3.4	28
67	Pulsatile flow in stenotic geometries: flow behaviour and stability. <i>Journal of Fluid Mechanics</i> , 2009, 622, 291-320.	3.4	27
68	Experimental investigation of flow-induced vibration of a sinusoidally rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2018, 848, 430-466.	3.4	27
69	Spiral streaklines in pre-vortex breakdown regions of axisymmetric swirling flows. <i>Physics of Fluids</i> , 1995, 7, 3126-3128.	4.0	26
70	A coupled Landau model describing the Strouhal-Reynolds number profile of a three-dimensional circular cylinder wake. <i>Physics of Fluids</i> , 2003, 15, L68-L71.	4.0	26
71	Enhancing heat transfer in a high Hartmann number magnetohydrodynamic channel flow via torsional oscillation of a cylindrical obstacle. <i>Physics of Fluids</i> , 2012, 24, .	4.0	26
72	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	26

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73	Subharmonic mechanism of the mode C instability. <i>Physics of Fluids</i> , 2005, 17, 111702.	4.0	25
74	Numerical analysis of bluff body wakes under periodic open-loop control. <i>Journal of Fluid Mechanics</i> , 2014, 739, 94-123.	3.4	25
75	Effect of moving ground on the aerodynamics of a generic automotive model: The DrivAer-Estate. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 195, 104000.	3.9	25
76	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.	4.9	24
77	Vortex-induced vibrations of a sphere close to a free surface. <i>Journal of Fluid Mechanics</i> , 2018, 846, 1023-1058.	3.4	23
78	An experimental investigation of flow-induced vibration of high-side-ratio rectangular cylinders. <i>Journal of Fluids and Structures</i> , 2019, 91, 102580.	3.4	23
79	Computational modeling and analysis of flow-induced vibration of an elastic splitter plate using a sharp-interface immersed boundary method. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	23
80	The generation and conservation of vorticity: deforming interfaces and boundaries in two-dimensional flows. <i>Journal of Fluid Mechanics</i> , 2020, 890, .	3.4	23
81	Predicting vortex-induced vibration from driven oscillation results. <i>Applied Mathematical Modelling</i> , 2006, 30, 1096-1102.	4.2	22
82	Global frequency selection in the observed time-mean wakes of circular cylinders. <i>Journal of Fluid Mechanics</i> , 2008, 601, 425-441.	3.4	21
83	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.	5.6	21
84	Toward Improved Rotor-Only Axial Fans—Part II: Design Optimization for Maximum Efficiency. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2000, 122, 324-329.	1.5	20
85	The Unsteady Wake of a Circular Cylinder near a Free Surface. <i>Flow, Turbulence and Combustion</i> , 2003, 71, 347-359.	2.6	20
86	Convective instability in steady stenotic flow: optimal transient growth and experimental observation. <i>Journal of Fluid Mechanics</i> , 2010, 655, 504-514.	3.4	20
87	Optimal transient disturbances behind a circular cylinder in a quasi-two-dimensional magnetohydrodynamic duct flow. <i>Physics of Fluids</i> , 2012, 24, .	4.0	20
88	Utilization of Cavity Vortex To Delay the Wetting Transition in One-Dimensional Structured Microchannels. <i>Langmuir</i> , 2015, 31, 13373-13384.	3.5	20
89	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.	1.9	20
90	Variation in the critical mass ratio of a freely oscillating cylinder as a function of Reynolds number. <i>Physics of Fluids</i> , 2005, 17, 038106.	4.0	19

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91	Vortex-induced vibration of a transversely rotating sphere. Journal of Fluid Mechanics, 2018, 847, 786-820.	3.4	19
92	Effects of flapping-motion profiles on insect-wing aerodynamics. Journal of Fluid Mechanics, 2020, 884, .	3.4	19
93	The influence of background turbulence on Ahmed-body wake bistability. Journal of Fluid Mechanics, 2021, 926, .	3.4	19
94	State selection in Taylor-vortex flow reached with an accelerated inner cylinder. Journal of Fluid Mechanics, 2003, 489, 79-99.	3.4	18
95	Simulation of the control of vortex breakdown in a closed cylinder using a small rotating disk. Physics of Fluids, 2009, 21, .	4.0	18
96	Transition to chaos in the wake of a rolling sphere. Journal of Fluid Mechanics, 2012, 695, 135-148.	3.4	18
97	Control of confined vortex breakdown with partial rotating lids. Journal of Fluid Mechanics, 2014, 738, 5-33.	3.4	18
98	A Low-Cost Digital Image Correlation Technique for Characterising the Shear Deformation of Fabrics for Draping Studies. Strain, 2015, 51, 180-189.	2.4	18
99	Dynamic response of elliptical cylinders undergoing transverse flow-induced vibration. Journal of Fluids and Structures, 2019, 89, 123-131.	3.4	18
100	The effect of mass ratio and tether length on the flow around a tethered cylinder. Journal of Fluid Mechanics, 2007, 591, 117-144.	3.4	17
101	Flow behind a cylinder forced by a combination of oscillatory translational and rotational motions. Physics of Fluids, 2009, 21, .	4.0	17
102	Characterisation of the wake of the DrivAer estate vehicle. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 177, 242-259.	3.9	17
103	Dynamics and stability of the wake behind tandem cylinders sliding along a wall. Journal of Fluid Mechanics, 2013, 722, 291-316.	3.4	16
104	The leading-edge vortex on a rotating wing changes markedly beyond a certain central body size. Royal Society Open Science, 2018, 5, 172197.	2.4	16
105	Bluff Bodies and Wake-Wall Interactions. Annual Review of Fluid Mechanics, 2021, 53, 347-376.	25.0	16
106	The generation and diffusion of vorticity in three-dimensional flows: Lyman's flux. Journal of Fluid Mechanics, 2021, 915, .	3.4	16
107	Effect of radius of gyration on a wing rotating at low Reynolds number: A computational study. Physical Review Fluids, 2017, 2, .	2.5	16
108	Vorticity generation and conservation on generalised interfaces in three-dimensional flows. Journal of Fluid Mechanics, 2022, 936, .	3.4	16

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109	Slippage on a particle-laden liquid-gas interface in textured microchannels. <i>Physics of Fluids</i> , 2018, 30, .	4.0	15
110	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.	3.9	15
111	Flow-induced vibrations of a pitching and plunging airfoil. <i>Journal of Fluid Mechanics</i> , 2020, 885, .	3.4	15
112	Dye visualization near a three-dimensional stagnation point: application to the vortex breakdown bubble. <i>Journal of Fluid Mechanics</i> , 2009, 622, 177-194.	3.4	14
113	Validation of thermal equilibrium assumption in free convection flow over a cylinder embedded in a packed bed. <i>International Communications in Heat and Mass Transfer</i> , 2014, 58, 184-192.	5.6	14
114	Three-dimensionality of elliptical cylinder wakes at low angles of incidence. <i>Journal of Fluid Mechanics</i> , 2017, 825, 245-283.	3.4	14
115	The impact of rails on high-speed train slipstream and wake. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 198, 104114.	3.9	14
116	Body-caudal fin fish-inspired self-propulsion study on burst-and-coast and continuous swimming of a hydrofoil model. <i>Physics of Fluids</i> , 2021, 33, .	4.0	14
117	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, .	4.0	13
118	Three-dimensional instabilities in the boundary-layer flow over a long rectangular plate. <i>Journal of Fluid Mechanics</i> , 2011, 681, 411-433.	3.4	13
119	Bénard convection from a circular cylinder in a packed bed. <i>International Communications in Heat and Mass Transfer</i> , 2014, 54, 18-26.	5.6	13
120	Effective transition of steady flow over a square leading-edge plate. <i>Journal of Fluid Mechanics</i> , 2012, 698, 335-357.	3.4	12
121	The effect of imposed rotary oscillation on the flow-induced vibration of a sphere. <i>Journal of Fluid Mechanics</i> , 2018, 855, 703-735.	3.4	12
122	Evolutionary shape optimisation enhances the lift coefficient of rotating wing geometries. <i>Journal of Fluid Mechanics</i> , 2019, 868, 369-384.	3.4	12
123	Vortex dynamics and vibration modes of a tethered sphere. <i>Journal of Fluid Mechanics</i> , 2020, 885, .	3.4	12
124	Influence of thermal buoyancy on vortex shedding behind a circular cylinder in parallel flow. <i>International Journal of Thermal Sciences</i> , 2020, 156, 106434.	4.9	12
125	A study of the geometry and parameter dependence of vortex breakdown. <i>Physics of Fluids</i> , 2015, 27, 044102.	4.0	11
126	Transverse vortex-induced vibration of a circular cylinder on a viscoelastic support at low Reynolds number. <i>Journal of Fluids and Structures</i> , 2020, 95, 102997.	3.4	11

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127	Development of a Wind Tunnel Test Section for Evaluation of Heavy Vehicle Aerodynamic Drag at a scale of 1:3. SAE International Journal of Commercial Vehicles, 2013, 6, 522-528.	0.4	10
128	Permeability characterization of sheared carbon fiber textile preform. Polymer Composites, 2018, 39, 2287-2298.	4.6	10
129	Hydrodynamics of a fish-like body undulation mechanism: Scaling laws and regimes for vortex wake modes. Physics of Fluids, 2021, 33, .	4.0	10
130	Vortex separation and interaction in the wake of inclined trapezoidal plates. Journal of Fluid Mechanics, 2015, 771, 341-369.	3.4	9
131	Measuring atrial stasis during sinus rhythm in patients with paroxysmal atrial fibrillation using 4 Dimensional flow imaging. International Journal of Cardiology, 2020, 315, 45-50.	1.7	9
132	Feedback control of flow-induced vibration of a sphere. Journal of Fluid Mechanics, 2020, 889, .	3.4	9
133	Aspect ratio and the dynamic wake of the Ahmed body. Experimental Thermal and Fluid Science, 2022, 130, 110457.	2.7	9
134	Legitimacy of the Local Thermal Equilibrium Hypothesis in Porous Media: A Comprehensive Review. Energies, 2021, 14, 8114.	3.1	9
135	Wake formation behind a rolling sphere. Physics of Fluids, 2008, 20, .	4.0	8
136	Vortex-induced vibration of elastically-mounted spheres: A comparison of the response of three degrees of freedom and one degree of freedom systems. Journal of Fluids and Structures, 2019, 89, 142-155.	3.4	8
137	Efficient FSI solvers for multiple-degrees-of-freedom flow-induced vibration of a rigid body. Computers and Fluids, 2020, 196, 104340.	2.5	8
138	Codimension three bifurcation of streamline patterns close to a no-slip wall: A topological description of boundary layer eruption. Physics of Fluids, 2015, 27, .	4.0	7
139	Direct numerical simulation of a counter-rotating vortex pair interacting with a wall. Journal of Fluid Mechanics, 2020, 884, .	3.4	7
140	Flow normal to a short cylinder with hemispherical ends. Physics of Fluids, 2008, 20, .	4.0	6
141	Observations of Flow Structure Changes with Aspect Ratio for Rotating Insect Wing Planforms. , 2012, , .		6
142	The influence of a small upstream wire on transition in a rotating cylinder wake. Journal of Fluid Mechanics, 2015, 769, .	3.4	6
143	A universal three-dimensional instability of the wakes of two-dimensional bluff bodies. Journal of Fluid Mechanics, 2016, 792, 50-66.	3.4	6
144	Two- and three-dimensional wake transitions of an impulsively started uniformly rolling circular cylinder. Journal of Fluid Mechanics, 2017, 826, 32-59.	3.4	6

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145	The effects of nose-shape and upstream flow separation on the wake of a cylindrical square-backed body. <i>Experimental Thermal and Fluid Science</i> , 2020, 118, 110142.	2.7	6
146	Convergent evolution of forelimb-propelled swimming in seals. <i>Current Biology</i> , 2021, 31, 2404-2409.e2.	3.9	6
147	Decomposition of fluid forcing and phase synchronisation for in-line vortex-induced vibration of a circular cylinder. <i>Journal of Fluid Mechanics</i> , 2022, 941, .	3.4	6
148	Three-dimensional mode selection of the flow past a rotating and inline oscillating cylinder. <i>Journal of Fluid Mechanics</i> , 2018, 855, .	3.4	5
149	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.	3.4	5
150	The ventricular residence time distribution derived from 4D flow particle tracing: a novel marker of myocardial dysfunction. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1927-1935.	1.5	5
151	Wake dynamics and flow-induced vibration of a freely rolling cylinder. <i>Journal of Fluid Mechanics</i> , 2020, 903, .	3.4	5
152	Vortex ring connection to a free surface. <i>Journal of Fluid Mechanics</i> , 2022, 944, .	3.4	5
153	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	4
154	On the mechanism of symmetric vortex shedding. <i>Journal of Fluids and Structures</i> , 2019, 91, 102706.	3.4	4
155	Large amplitude cross-stream sphere vibration generated by applied rotational oscillation. <i>Journal of Fluids and Structures</i> , 2019, 89, 156-165.	3.4	4
156	Aiding and Opposing Re-circulating Mixed Convection Flows in a Square Vented Enclosure. <i>Thermal Science and Engineering Progress</i> , 2020, 19, 100577.	2.7	4
157	The Cooling Performance of Mixed Convection in a Ventilated Enclosure With Different Ports Configurations. <i>Journal of Heat Transfer</i> , 2020, 142, .	2.1	4
158	Effect of leading-edge curvature on the aerodynamics of insect wings. <i>International Journal of Heat and Fluid Flow</i> , 2022, 93, 108898.	2.4	4
159	The double backward-facing step: interaction of multiple separated flow regions. <i>Journal of Fluid Mechanics</i> , 2022, 936, .	3.4	4
160	Flow dynamics of a tethered elastic capsule. <i>Physics of Fluids</i> , 2011, 23, 021901.	4.0	3
161	Non-Darcian B�nard convection in eccentric annuli containing spherical particles. <i>International Journal of Heat and Fluid Flow</i> , 2020, 86, 108705.	2.4	3
162	The application of body scanning, numerical simulations and wind tunnel testing for the aerodynamic development of cyclists. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2021, 235, 339-353.	0.7	3

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163	Vibration reduction of a sphere through shear-layer control. Journal of Fluids and Structures, 2021, 105, 103325.	3.4	3
164	Active control of flow over a backward-facing step at high Reynolds numbers. International Journal of Heat and Fluid Flow, 2022, 93, 108891.	2.4	3
165	Damping effect on transverse flow-induced vibration of a rotating circular cylinder and its implied energy harvesting performance. Physical Review Fluids, 2022, 7, .	2.5	3
166	A wind-tunnel case study: Increasing road cycling velocity by adopting an aerodynamically improved sprint position. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2019, , 175433711986696.	0.7	2
167	Flow-induced vibration of a cube orientated at different incidence angles. Journal of Fluids and Structures, 2019, 91, 102701.	3.4	2
168	Optimal growth of counter-rotating vortex pairs interacting with walls. Journal of Fluid Mechanics, 2020, 904, .	3.4	2
169	Pivot location and mass ratio effects on flow-induced vibration of a fully passive flapping foil. Journal of Fluids and Structures, 2021, 100, 103170.	3.4	2
170	Heat transfer enhancement with pressure drop optimisation in a horizontal porous channel locally heated from below. Thermal Science and Engineering Progress, 2021, 26, 101013.	2.7	2
171	Numerical analysis of non-Darcian mixed convection flows in a ventilated enclosure filled with a fluid-saturated porous medium. Thermal Science and Engineering Progress, 2021, 24, 100922.	2.7	2
172	Vortex-induced vibration of a sphere close to or piercing a free surface. Journal of Fluid Mechanics, 2021, 929, .	3.4	2
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, , .	0.4	1
174	Vorticity generation and conservation for two-dimensional interfaces and boundaries “ERRATUM. Journal of Fluid Mechanics, 2020, 896, .	3.4	1
175	Understanding the Aerodynamic Benefits of Drafting in the Wake of Cyclists. Proceedings (mdpi), 2020, 49, 32.	0.2	1
176	Reducing Slipstream Velocities Experienced in Proximity to High-Speed Trains. Fluids, 2022, 7, 72.	1.7	1
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