Mark Thompson

List of Publications by Citations

166 papers	3,808 citations	35 h-index	51 g-index
177 ext. papers	4,508 ext. citations	3.6 avg, IF	5.8 L-index

#	Paper	IF	Citations
166	Three-dimensional instabilities in the wake of a circular cylinder. *Experimental Thermal and Fluid Science*, **1996**, 12, 190-196	3	168
165	Reynolds number and aspect ratio effects on the leading-edge vortex for rotating insect wing planforms. *Journal of Fluid Mechanics*, **2013**, 717, 166-192	3.7	132
164	From spheres to circular cylinders: the stability and flow structures of bluff ring wakes. *Journal of Fluid Mechanics*, **2003**, 492, 147-180	3.7	96
163	The beginning of branching behaviour of vortex-induced vibration during two-dimensional flow. *Journal of Fluids and Structures*, **2006**, 22, 857-864	3.1	94
162	KINEMATICS AND DYNAMICS OF SPHERE WAKE TRANSITION. *Journal of Fluids and Structures*, **2001**, 15, 575-585	3.1	94
161	Three-dimensional transition in the wake of a transversely oscillating cylinder. *Journal of Fluid Mechanics*, **2007**, 577, 79-104	3.7	86
160	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	3.7	84
159	Flow past a cylinder close to a free surface. *Journal of Fluid Mechanics*, **2005**, 533,	3.7	75
158	Moving model analysis of the slipstream and wake of a high-speed train. *Journal of Wind Engineering and Industrial Aerodynamics*, **2015**, 136, 127-137	3.7	72
157	Three-dimensional transition in the wake of bluff elongated cylinders. *Journal of Fluid Mechanics*, **2005**, 538, 1	3.7	72
156	Wake state and energy transitions of an oscillating cylinder at low Reynolds number. *Physics of Fluids*, **2006**, 18, 067101	4.4	69
155	Low-Reynolds-number wakes of elliptical cylinders: from the circular cylinder to the normal flat plate. *Journal of Fluid Mechanics*, **2014**, 751, 570-600	3.7	64
154	From spheres to circular cylinders: non-axisymmetric transitions in the flow past rings. *Journal of Fluid Mechanics*, **2004**, 506, 45-78	3.7	62
153	The effect of the ground condition on high-speed train slipstream. *Journal of Wind Engineering and Industrial Aerodynamics*, **2018**, 172, 230-243	3.7	59
152	Flow topology in the wake of a cyclist and its effect on aerodynamic drag. *Journal of Fluid Mechanics*, **2014**, 748, 5-35	3.7	57
151	Hydrodynamics of a particle impact on a wall. *Applied Mathematical Modelling*, **2006**, 30, 1356-1369	4.5	55
150	Three-dimensionality in the wake of a rotating cylinder in a uniform flow. *Journal of Fluid Mechanics*, **2013**, 717, 1-29	3.7	54

149	Computations of the drag coefficients for low-Reynolds-number flow past rings. *Journal of Fluid Mechanics*, **2005**, 526, 257-275	3.7	52
148	The effect of bogies on high-speed train slipstream and wake. *Journal of Fluids and Structures*, **2018**, 83, 471-489	3.1	50
147	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	3.7	47
146	Dynamics of trailing vortices in the wake of a generic high-speed train. *Journal of Fluids and Structures*, **2016**, 65, 238-256	3.1	45
145	The effect of tail geometry on the slipstream and unsteady wake structure of high-speed trains. *Experimental Thermal and Fluid Science*, **2017**, 83, 215-230	3	43
144	Forced convection from a circular cylinder in pulsating flow with and without the presence of porous media. *International Journal of Heat and Mass Transfer*, **2013**, 61, 226-244	4.9	43
143	Wake transition of two-dimensional cylinders and axisymmetric bluff bodies. *Journal of Fluids and Structures*, **2006**, 22, 793-806	3.1	43
142	Predicted low frequency structures in the wake of elliptical cylinders. *European Journal of Mechanics, B/Fluids*, **2004**, 23, 229-239	2.4	42
141	Aerodynamic drag interactions between cyclists in a team pursuit. *Sports Engineering*, **2015**, 18, 93-103	1.4	40
140	The wake behind a cylinder rolling on a wall at varying rotation rates. *Journal of Fluid Mechanics*, **2010**, 648, 225-256	3.7	39
139	Steady inlet flow in stenotic geometries: convective and absolute instabilities. *Journal of Fluid Mechanics*, **2008**, 616, 111-133	3.7	39
138	The sensitivity of steady vortex breakdown bubbles in confined cylinder flows to rotating lid misalignment. *Journal of Fluid Mechanics*, **2003**, 496, 129-138	3.7	39
137	Flow topology and unsteady features of the wake of a generic high-speed train. *Journal of Fluids and Structures*, **2016**, 61, 168-183	3.1	38
136	Wake states and frequency selection of a streamwise oscillating cylinder. *Journal of Fluid Mechanics*, **2013**, 730, 162-192	3.7	38
135	A numerical study of an inline oscillating cylinder in a free stream. *Journal of Fluid Mechanics*, **2011**, 688, 551-568	3.7	37
134	Experimental investigation of flow-induced vibration of a rotating circular cylinder. *Journal of Fluid Mechanics*, **2017**, 829, 486-511	3.7	36
133	Sphere–wall collisions: vortex dynamics and stability. *Journal of Fluid Mechanics*, **2007**, 575, 121-148	3.7	36
132	Damping effects on vortex-induced vibration of a circular cylinder and implications for power extraction. *Journal of Fluids and Structures*, **2018**, 81, 289-308	3.1	35

131	Harnessing electrical power from vortex-induced vibration of a circular cylinder. *Journal of Fluids and Structures*, **2017**, 70, 360-373	3.1	34
130	Three-dimensionality in the wake of a rapidly rotating cylinder in uniform flow. *Journal of Fluid Mechanics*, **2013**, 730, 379-391	3.7	33
129	Computational Fluid Dynamics Study of the Effect of Leg Position on Cyclist Aerodynamic Drag. *Journal of Fluids Engineering, Transactions of the ASME*, **2014**, 136,	2.1	33
128	Wake behaviour and instability of flow through a partially blocked channel. *Journal of Fluid Mechanics*, **2007**, 582, 319-340	3.7	33
127	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	1.6	32
126	Vortex-induced vibration of a rotating sphere. *Journal of Fluid Mechanics*, **2018**, 837, 258-292	3.7	31
125	The evolution of a subharmonic mode in a vortex street. *Journal of Fluid Mechanics*, **2005**, 534, 23-38	3.7	31
124	On the near wake of a simplified heavy vehicle. *Journal of Fluids and Structures*, **2016**, 66, 293-314	3.1	30
123	Flow-induced vibration of D-section cylinders: an afterbody is not essential for vortex-induced vibration. *Journal of Fluid Mechanics*, **2018**, 851, 317-343	3.7	30
122	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	4.9	30
121	Experimental evidence of new three-dimensional modes in the wake of a rotating cylinder. *Journal of Fluid Mechanics*, **2013**, 734, 567-594	3.7	30
120	Numerical and experimental studies of the rolling sphere wake. *Journal of Fluid Mechanics*, **2010**, 643, 137-162	3.7	30
119	A wind-tunnel methodology for assessing the slipstream of high-speed trains. *Journal of Wind Engineering and Industrial Aerodynamics*, **2017**, 166, 1-19	3.7	29
118	Relationship between aerodynamic forces, flow structures and wing camber for rotating insect wing planforms. *Journal of Fluid Mechanics*, **2013**, 730, 52-75	3.7	29
117	Vortex-induced vibration of a neutrally buoyant tethered sphere. *Journal of Fluid Mechanics*, **2013**, 719, 97-128	3.7	29
116	Vortex dynamics associated with the collision of a sphere with a wall. *Physics of Fluids*, **2004**, 16, L74-L77	4.4	29
115	Vorticity generation and conservation for two-dimensional interfaces and boundaries. *Journal of Fluid Mechanics*, **2014**, 758, 63-93	3.7	28
114	Effect of small asymmetries on axisymmetric stenotic flow. *Journal of Fluid Mechanics*, **2013**, 721,	3.7	28

113	Flow around an impulsively arrested circular cylinder. *Physics of Fluids*, **2007**, 19, 083601	4.4	27
112	Flow past rectangular cylinders: receptivity to transverse forcing. *Journal of Fluid Mechanics*, **2004**, 515, 33-62	3.7	26
111	Stability analysis of the elliptic cylinder wake. *Journal of Fluid Mechanics*, **2015**, 763, 302-321	3.7	25
110	Vortex-induced vibrations of a diamond cross-section: Sensitivity to corner sharpness. *Journal of Fluids and Structures*, **2013**, 39, 371-390	3.1	25
109	A numerical study of global frequency selection in the time-mean wake of a circular cylinder. *Journal of Fluid Mechanics*, **2010**, 645, 435-446	3.7	25
108	Stability of a pair of co-rotating vortices with axial flow. *Physics of Fluids*, **2008**, 20, 094101	4.4	25
107	Subharmonic mechanism of the mode C instability. *Physics of Fluids*, **2005**, 17, 111702	4.4	24
106	The response of an elastic splitter plate attached to a cylinder to laminar pulsatile flow. *Journal of Fluids and Structures*, **2017**, 68, 423-443	3.1	23
105	Pulsatile flow in stenotic geometries: flow behaviour and stability. *Journal of Fluid Mechanics*, **2009**, 622, 291-320	3.7	23
104	Spiral streaklines in pre-vortex breakdown regions of axisymmetric swirling flows. *Physics of Fluids*, **1995**, 7, 3126-3128	4.4	23
103	Experiments on the elliptic instability in vortex pairs with axial core flow. *Journal of Fluid Mechanics*, **2011**, 677, 383-416	3.7	22
102	Experimental investigation of in-line flow-induced vibration of a rotating circular cylinder. *Journal of Fluid Mechanics*, **2018**, 847, 664-699	3.7	22
101	Enhancing heat transfer in a high Hartmann number magnetohydrodynamic channel flow via torsional oscillation of a cylindrical obstacle. *Physics of Fluids*, **2012**, 24, 113601	4.4	21
100	Modification of three-dimensional transition in the wake of a rotationally oscillating cylinder. *Journal of Fluid Mechanics*, **2010**, 643, 349-362	3.7	20
99	Predicting vortex-induced vibration from driven oscillation results. *Applied Mathematical Modelling*, **2006**, 30, 1096-1102	4.5	20
98	Numerical analysis of bluff body wakes under periodic open-loop control. *Journal of Fluid Mechanics* , **2014**, 739, 94-123	3.7	19
97	Aerodynamic performance and riding posture in road cycling and triathlon. *Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology*, **2015**, 229, 28-38	0.7	19
96	Global frequency selection in the observed time-mean wakes of circular cylinders. *Journal of Fluid Mechanics*, **2008**, 601, 425-441	3.7	19

95	A coupled Landau model describing the Strouhal–Reynolds number profile of a three-dimensional circular cylinder wake. *Physics of Fluids*, **2003**, 15, L68-L71	4.4	19
94	Effect of moving ground on the aerodynamics of a generic automotive model: The DrivAer-Estate. *Journal of Wind Engineering and Industrial Aerodynamics*, **2019**, 195, 104000	3.7	18
93	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	3.7	18
92	Vortex-induced vibrations of a sphere close to a free surface. *Journal of Fluid Mechanics*, **2018**, 846, 1023-1058	3.7	18
91	The nature of the vortical structures in the near wake of the Ahmed body. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, **2017**, 231, 1239-1244	1.4	16
90	Transverse flow-induced vibrations of a sphere. *Journal of Fluid Mechanics*, **2018**, 837, 931-966	3.7	16
89	A Low-Cost Digital Image Correlation Technique for Characterising the Shear Deformation of Fabrics for Draping Studies. *Strain*, **2015**, 51, 180-189	1.7	16
88	Transition to chaos in the wake of a rolling sphere. *Journal of Fluid Mechanics*, **2012**, 695, 135-148	3.7	16
87	Convective instability in steady stenotic flow: optimal transient growth and experimental observation. *Journal of Fluid Mechanics*, **2010**, 655, 504-514	3.7	16
86	Variation in the critical mass ratio of a freely oscillating cylinder as a function of Reynolds number. *Physics of Fluids*, **2005**, 17, 038106	4.4	16
85	Aspect ratio studies on insect wings. *Physics of Fluids*, **2019**, 31, 121301	4.4	16
84	Experimental investigation of flow-induced vibration of a sinusoidally rotating circular cylinder. *Journal of Fluid Mechanics*, **2018**, 848, 430-466	3.7	15
83	Control of confined vortex breakdown with partial rotating lids. *Journal of Fluid Mechanics*, **2014**, 738, 5-33	3.7	15
82	Flow behind a cylinder forced by a combination of oscillatory translational and rotational motions. *Physics of Fluids*, **2009**, 21, 051701	4.4	15
81	State selection in Taylor-vortex flow reached with an accelerated inner cylinder. *Journal of Fluid Mechanics*, **2003**, 489, 79-99	3.7	15
80	Toward Improved Rotor-Only Axial Fans—Part II: Design Optimization for Maximum Efficiency. *Journal of Fluids Engineering, Transactions of the ASME*, **2000**, 122, 324-329	2.1	15
79	Analysis of forced convection heat transfer from a circular cylinder embedded in a porous medium. *International Journal of Thermal Sciences*, **2012**, 51, 121-131	4.1	14
78	Validation of thermal equilibrium assumption in forced convection steady and pulsatile flows over a cylinder embedded in a porous channel. *International Communications in Heat and Mass Transfer*, **2013**, 43, 30-38	5.8	14

77	Optimal transient disturbances behind a circular cylinder in a quasi-two-dimensional magnetohydrodynamic duct flow. *Physics of Fluids*, **2012**, 24, 024105	4.4	14
76	Simulation of the control of vortex breakdown in a closed cylinder using a small rotating disk. *Physics of Fluids*, **2009**, 21, 024104	4.4	14
75	The effect of mass ratio and tether length on the flow around a tethered cylinder. *Journal of Fluid Mechanics*, **2007**, 591, 117-144	3.7	14
74	Dynamics and stability of the wake behind tandem cylinders sliding along a wall. *Journal of Fluid Mechanics*, **2013**, 722, 291-316	3.7	13
73	Utilization of Cavity Vortex To Delay the Wetting Transition in One-Dimensional Structured Microchannels. *Langmuir*, **2015**, 31, 13373-84	4	13
72	Dye visualization near a three-dimensional stagnation point: application to the vortex breakdown bubble. *Journal of Fluid Mechanics*, **2009**, 622, 177-194	3.7	13
71	The Unsteady Wake of a Circular Cylinder near a Free Surface. *Flow, Turbulence and Combustion*, **2003**, 71, 347-359	2.5	13
70	Characterisation of the wake of the DrivAer estate vehicle. *Journal of Wind Engineering and Industrial Aerodynamics*, **2018**, 177, 242-259	3.7	12
69	The three-dimensional wake of a cylinder undergoing a combination of translational and rotational oscillation in a quiescent fluid. *Physics of Fluids*, **2009**, 21, 064101	4.4	12
68	Slippage on a particle-laden liquid-gas interface in textured microchannels. *Physics of Fluids*, **2018**, 30, 032101	4.4	11
67	Effect of radius of gyration on a wing rotating at low Reynolds number: A computational study. *Physical Review Fluids*, **2017**, 2,	2.8	11
66	B□ard convection from a circular cylinder in a packed bed. *International Communications in Heat and Mass Transfer*, **2014**, 54, 18-26	5.8	10
65	The influence of reduced Reynolds number on the wake of the DrivAer estate vehicle. *Journal of Wind Engineering and Industrial Aerodynamics*, **2019**, 188, 207-216	3.7	9
64	An experimental investigation of flow-induced vibration of high-side-ratio rectangular cylinders. *Journal of Fluids and Structures*, **2019**, 91, 102580	3.1	9
63	Computational modeling and analysis of flow-induced vibration of an elastic splitter plate using a sharp-interface immersed boundary method. *SN Applied Sciences*, **2020**, 2, 1	1.8	9
62	Effective transition of steady flow over a square leading-edge plate. *Journal of Fluid Mechanics*, **2012**, 698, 335-357	3.7	9
61	Flow-induced vibrations of a pitching and plunging airfoil. *Journal of Fluid Mechanics*, **2020**, 885,	3.7	9
60	Evolutionary shape optimisation enhances the lift coefficient of rotating wing geometries. *Journal of Fluid Mechanics*, **2019**, 868, 369-384	3.7	8

59	Dynamic response of elliptical cylinders undergoing transverse flow-induced vibration. *Journal of Fluids and Structures*, **2019**, 89, 123-131	3.1	8
58	A study of the geometry and parameter dependence of vortex breakdown. *Physics of Fluids*, **2015**, 27, 044102	4.4	8
57	The impact of rails on high-speed train slipstream and wake. *Journal of Wind Engineering and Industrial Aerodynamics*, **2020**, 198, 104114	3.7	8
56	Permeability characterization of sheared carbon fiber textile preform. *Polymer Composites*, **2018**, 39, 2287-2298	3	8
55	Validation of thermal equilibrium assumption in free convection flow over a cylinder embedded in a packed bed. *International Communications in Heat and Mass Transfer*, **2014**, 58, 184-192	5.8	8
54	Three-dimensionality of elliptical cylinder wakes at low angles of incidence. *Journal of Fluid Mechanics*, **2017**, 825, 245-283	3.7	8
53	Three-dimensional instabilities in the boundary-layer flow over a long rectangular plate. *Journal of Fluid Mechanics*, **2011**, 681, 411-433	3.7	8
52	Effects of flapping-motion profiles on insect-wing aerodynamics. *Journal of Fluid Mechanics*, **2020**, 884,	3.7	8
51	The effect of imposed rotary oscillation on the flow-induced vibration of a sphere. *Journal of Fluid Mechanics*, **2018**, 855, 703-735	3.7	8
50	Vortex-induced vibration of a transversely rotating sphere. *Journal of Fluid Mechanics*, **2018**, 847, 786-820	3.7	8
49	Wake formation behind a rolling sphere. *Physics of Fluids*, **2008**, 20, 071704	4.4	7
48	Transverse vortex-induced vibration of a circular cylinder on a viscoelastic support at low Reynolds number. *Journal of Fluids and Structures*, **2020**, 95, 102997	3.1	7
47	The leading-edge vortex on a rotating wing changes markedly beyond a certain central body size. *Royal Society Open Science*, **2018**, 5, 172197	3.3	7
46	Codimension three bifurcation of streamline patterns close to a no-slip wall: A topological description of boundary layer eruption. *Physics of Fluids*, **2015**, 27, 053603	4.4	6
45	Influence of thermal buoyancy on vortex shedding behind a circular cylinder in parallel flow. *International Journal of Thermal Sciences*, **2020**, 156, 106434	4.1	6
44	The generation and conservation of vorticity: deforming interfaces and boundaries in two-dimensional flows. *Journal of Fluid Mechanics*, **2020**, 890,	3.7	6
43	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	1	6
42	Observations of Flow Structure Changes with Aspect Ratio for Rotating Insect Wing Planforms **2012**,		6

41	The influence of background turbulence on Ahmed-body wake bistability. *Journal of Fluid Mechanics*, **2021**, 926,	3.7	5
40	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	3.1	4
39	The influence of a small upstream wire on transition in a rotating cylinder wake. *Journal of Fluid Mechanics*, **2015**, 769,	3.7	4
38	Measuring atrial stasis during sinus rhythm in patients with paroxysmal atrial fibrillation using 4 Dimensional flow imaging: 4D flow imaging of atrial stasis. *International Journal of Cardiology*, **2020** , 315, 45-50	3.2	4
37	Aiding and Opposing Re-circulating Mixed Convection Flows in a Square Vented Enclosure. *Thermal Science and Engineering Progress*, **2020**, 19, 100577	3.6	4
36	Vortex separation and interaction in the wake of inclined trapezoidal plates. *Journal of Fluid Mechanics*, **2015**, 771, 341-369	3.7	4
35	Two- and three-dimensional wake transitions of an impulsively started uniformly rolling circular cylinder. *Journal of Fluid Mechanics*, **2017**, 826, 32-59	3.7	4
34	Vortex dynamics and vibration modes of a tethered sphere. *Journal of Fluid Mechanics*, **2020**, 885,	3.7	4
33	A universal three-dimensional instability of the wakes of two-dimensional bluff bodies. *Journal of Fluid Mechanics*, **2016**, 792, 50-66	3.7	4
32	Three-dimensional mode selection of the flow past a rotating and inline oscillating cylinder. *Journal of Fluid Mechanics*, **2018**, 855,	3.7	4
31	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	3.1	4
30	On the mechanism of symmetric vortex shedding. *Journal of Fluids and Structures*, **2019**, 91, 102706	3.1	3
29	The application of body scanning, numerical simulations and wind tunnel testing for the aerodynamic development of cyclists. *Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology*, **2020**, 175433712090425	0.7	3
28	Feedback control of flow-induced vibration of a sphere. *Journal of Fluid Mechanics*, **2020**, 889,	3.7	3
27	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	0.7	3
26	Flow dynamics of a tethered elastic capsule. *Physics of Fluids*, **2011**, 23, 021901	4.4	3
25	Flow normal to a short cylinder with hemispherical ends. *Physics of Fluids*, **2008**, 20, 041701	4.4	3
24	Bluff Bodies and Wake–Wall Interactions. *Annual Review of Fluid Mechanics*, **2021**, 53, 347-376	22	3

23	Body-caudal fin fish-inspired self-propulsion study on burst-and-coast and continuous swimming of a hydrofoil model. *Physics of Fluids*, **2021**, 33, 091905	4.4	3
22	Flow-induced vibration of a cube orientated at different incidence angles. *Journal of Fluids and Structures*, **2019**, 91, 102701	3.1	2
21	Large amplitude cross-stream sphere vibration generated by applied rotational oscillation. *Journal of Fluids and Structures*, **2019**, 89, 156-165	3.1	2
20	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
19	Legitimacy of the Local Thermal Equilibrium Hypothesis in Porous Media: A Comprehensive Review. *Energies*, **2021**, 14, 8114	3.1	2
18	Hydrodynamics of a fish-like body undulation mechanism: Scaling laws and regimes for vortex wake modes. *Physics of Fluids*, **2021**, 33, 101904	4.4	2
17	Wake dynamics and flow-induced vibration of a freely rolling cylinder. *Journal of Fluid Mechanics*, **2020**, 903,	3.7	2
16	The generation and diffusion of vorticity in three-dimensional flows: Lyman flux. *Journal of Fluid Mechanics*, **2021**, 915,	3.7	2
15	Efficient FSI solvers for multiple-degrees-of-freedom flow-induced vibration of a rigid body. *Computers and Fluids*, **2020**, 196, 104340	2.8	2
14	Aspect ratio and the dynamic wake of the Ahmed body. *Experimental Thermal and Fluid Science*, **2021**, 110457	3	2
13	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	3.6	2
12	The effects of nose-shape and upstream flow separation on the wake of a cylindrical square-backed body. *Experimental Thermal and Fluid Science*, **2020**, 118, 110142	3	1
11	The ventricular residence time distribution derived from 4D flow particle tracing: a novel marker of myocardial dysfunction. *International Journal of Cardiovascular Imaging*, **2018**, 34, 1927-1935	2.5	1
10	Non-Darcian Bénard convection in eccentric annuli containing spherical particles. *International Journal of Heat and Fluid Flow*, **2020**, 86, 108705	2.4	1
9	Vibration reduction of a sphere through shear-layer control. *Journal of Fluids and Structures*, **2021**, 105, 103325	3.1	1
8	Understanding the Aerodynamic Benefits of Drafting in the Wake of Cyclists. *Proceedings (mdpi)*, **2020**, 49, 32	0.3	0
7	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	0
6	Convergent evolution of forelimb-propelled swimming in seals. *Current Biology*, **2021**, 31, 2404-2409.e2	6.3	0

5	Heat transfer enhancement with pressure drop optimisation in a horizontal porous channel locally heated from below. *Thermal Science and Engineering Progress*, **2021**, 26, 101013	3.6	0
4	Pivot location and mass ratio effects on flow-induced vibration of a fully passive flapping foil. *Journal of Fluids and Structures*, **2021**, 100, 103170	3.1	0
3	Reducing Slipstream Velocities Experienced in Proximity to High-Speed Trains. *Fluids*, **2022**, 7, 72	1.6	
2	Effect of leading-edge curvature on the aerodynamics of insect wings. *International Journal of Heat and Fluid Flow*, **2022**, 93, 108898	2.4	
1	The Influence of the Inter-Relationship of Leg Position and Riding Posture on Cycling Aerodynamics. *Fluids*, **2022**, 7, 18	1.6	