

# Mark Thompson

## List of Publications by Year in Descending Order

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

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	Reducing Slipstream Velocities Experienced in Proximity to High-Speed Trains. <i>Fluids</i> , <b>2022</b> , 7, 72	1.6	
165	Active control of flow over a backward-facing step at high Reynolds numbers. <i>International Journal of Heat and Fluid Flow</i> , <b>2022</b> , 93, 108891	2.4	0
164	Effect of leading-edge curvature on the aerodynamics of insect wings. <i>International Journal of Heat and Fluid Flow</i> , <b>2022</b> , 93, 108898	2.4	
163	The Influence of the Inter-Relationship of Leg Position and Riding Posture on Cycling Aerodynamics. <i>Fluids</i> , <b>2022</b> , 7, 18	1.6	
162	Legitimacy of the Local Thermal Equilibrium Hypothesis in Porous Media: A Comprehensive Review. <i>Energies</i> , <b>2021</b> , 14, 8114	3.1	2
161	Hydrodynamics of a fish-like body undulation mechanism: Scaling laws and regimes for vortex wake modes. <i>Physics of Fluids</i> , <b>2021</b> , 33, 101904	4.4	2
160	The generation and diffusion of vorticity in three-dimensional flows: Lyman flux. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 915,	3.7	2
159	Convergent evolution of forelimb-propelled swimming in seals. <i>Current Biology</i> , <b>2021</b> , 31, 2404-2409.e2	6.3	0
158	Heat transfer enhancement with pressure drop optimisation in a horizontal porous channel locally heated from below. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 26, 101013	3.6	0
157	Pivot location and mass ratio effects on flow-induced vibration of a fully passive flapping foil. <i>Journal of Fluids and Structures</i> , <b>2021</b> , 100, 103170	3.1	0
156	Bluff Bodies and Wake-Wall Interactions. <i>Annual Review of Fluid Mechanics</i> , <b>2021</b> , 53, 347-376	2.2	3
155	Aspect ratio and the dynamic wake of the Ahmed body. <i>Experimental Thermal and Fluid Science</i> , <b>2021</b> , 110457	3	2
154	Vibration reduction of a sphere through shear-layer control. <i>Journal of Fluids and Structures</i> , <b>2021</b> , 105, 103325	3.1	1
153	Numerical analysis of non-Darcian mixed convection flows in a ventilated enclosure filled with a fluid-saturated porous medium. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 24, 100922	3.6	2
152	Body-caudal fin fish-inspired self-propulsion study on burst-and-coast and continuous swimming of a hydrofoil model. <i>Physics of Fluids</i> , <b>2021</b> , 33, 091905	4.4	3
151	The influence of background turbulence on Ahmed-body wake bistability. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 926,	3.7	5
150	Measuring atrial stasis during sinus rhythm in patients with paroxysmal atrial fibrillation using 4 Dimensional flow imaging: 4D flow imaging of atrial stasis. <i>International Journal of Cardiology</i> , <b>2020</b> , 315, 45-50	3.2	4

149	Influence of thermal buoyancy on vortex shedding behind a circular cylinder in parallel flow. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 156, 106434	4.1	6
148	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> , <b>2020</b> , 118, 110142	3	1
147	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> , <b>2020</b> , 2, 1	1.8	9
146	The generation and conservation of vorticity: deforming interfaces and boundaries in two-dimensional flows. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 890,	3.7	6
145	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> , <b>2020</b> , 175433712090425	0.7	3
144	Understanding the Aerodynamic Benefits of Drafting in the Wake of Cyclists. <i>Proceedings (mdpi)</i> , <b>2020</b> , 49, 32	0.3	0
143	Aiding and Opposing Re-circulating Mixed Convection Flows in a Square Vented Enclosure. <i>Thermal Science and Engineering Progress</i> , <b>2020</b> , 19, 100577	3.6	4
142	Feedback control of flow-induced vibration of a sphere. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 889,	3.7	3
141	The impact of rails on high-speed train slipstream and wake. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2020</b> , 198, 104114	3.7	8
140	Vortex dynamics and vibration modes of a tethered sphere. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 885,	3.7	4
139	Flow-induced vibrations of a pitching and plunging airfoil. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 885,	3.7	9
138	Effects of flapping-motion profiles on insect-wing aerodynamics. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 884,	3.7	8
137	Non-Darcian Bård convection in eccentric annuli containing spherical particles. <i>International Journal of Heat and Fluid Flow</i> , <b>2020</b> , 86, 108705	2.4	1
136	Wake dynamics and flow-induced vibration of a freely rolling cylinder. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 903,	3.7	2
135	Efficient FSI solvers for multiple-degrees-of-freedom flow-induced vibration of a rigid body. <i>Computers and Fluids</i> , <b>2020</b> , 196, 104340	2.8	2
134	Transverse vortex-induced vibration of a circular cylinder on a viscoelastic support at low Reynolds number. <i>Journal of Fluids and Structures</i> , <b>2020</b> , 95, 102997	3.1	7
133	Flow-induced vibration of a cube orientated at different incidence angles. <i>Journal of Fluids and Structures</i> , <b>2019</b> , 91, 102701	3.1	2
132	On the mechanism of symmetric vortex shedding. <i>Journal of Fluids and Structures</i> , <b>2019</b> , 91, 102706	3.1	3

131	Vortex-induced vibration of elastically-mounted spheres: A comparison of the response of three degrees of freedom and one degree of freedom systems. <i>Journal of Fluids and Structures</i> , <b>2019</b> , 89, 142-155	3.1	4
130	Large amplitude cross-stream sphere vibration generated by applied rotational oscillation. <i>Journal of Fluids and Structures</i> , <b>2019</b> , 89, 156-165	3.1	2
129	Evolutionary shape optimisation enhances the lift coefficient of rotating wing geometries. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 868, 369-384	3.7	8
128	The influence of reduced Reynolds number on the wake of the DrivAer estate vehicle. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2019</b> , 188, 207-216	3.7	9
127	An experimental investigation of flow-induced vibration of high-side-ratio rectangular cylinders. <i>Journal of Fluids and Structures</i> , <b>2019</b> , 91, 102580	3.1	9
126	Dynamic response of elliptical cylinders undergoing transverse flow-induced vibration. <i>Journal of Fluids and Structures</i> , <b>2019</b> , 89, 123-131	3.1	8
125	A wind-tunnel case study: Increasing road cycling velocity by adopting an aerodynamically improved sprint position. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , <b>2019</b> , 175433711986696	0.7	2
124	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> , <b>2019</b> , 233, 514-525	0.7	3
123	Effect of moving ground on the aerodynamics of a generic automotive model: The DrivAer-Estate. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2019</b> , 195, 104000	3.7	18
122	Aspect ratio studies on insect wings. <i>Physics of Fluids</i> , <b>2019</b> , 31, 121301	4.4	16
121	Uncoupling the effects of aspect ratio, Reynolds number and Rossby number on a rotating insect-wing planform. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 859, 921-948	3.7	18
120	Slippage on a particle-laden liquid-gas interface in textured microchannels. <i>Physics of Fluids</i> , <b>2018</b> , 30, 032101	4.4	11
119	Vortex-induced vibration of a rotating sphere. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 837, 258-292	3.7	31
118	The effect of the ground condition on high-speed train slipstream. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2018</b> , 172, 230-243	3.7	59
117	Transverse flow-induced vibrations of a sphere. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 837, 931-966	3.7	16
116	Characterisation of the wake of the DrivAer estate vehicle. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2018</b> , 177, 242-259	3.7	12
115	Permeability characterization of sheared carbon fiber textile preform. <i>Polymer Composites</i> , <b>2018</b> , 39, 2287-2298	3	8
114	The ventricular residence time distribution derived from 4D flow particle tracing: a novel marker of myocardial dysfunction. <i>International Journal of Cardiovascular Imaging</i> , <b>2018</b> , 34, 1927-1935	2.5	1

113	Flow-induced vibration of D-section cylinders: an afterbody is not essential for vortex-induced vibration. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 851, 317-343	3.7	30
112	Experimental investigation of flow-induced vibration of a sinusoidally rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 848, 430-466	3.7	15
111	The effect of bogies on high-speed train slipstream and wake. <i>Journal of Fluids and Structures</i> , <b>2018</b> , 83, 471-489	3.1	50
110	The leading-edge vortex on a rotating wing changes markedly beyond a certain central body size. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 172197	3.3	7
109	The effect of imposed rotary oscillation on the flow-induced vibration of a sphere. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 855, 703-735	3.7	8
108	Three-dimensional mode selection of the flow past a rotating and inline oscillating cylinder. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 855,	3.7	4
107	Damping effects on vortex-induced vibration of a circular cylinder and implications for power extraction. <i>Journal of Fluids and Structures</i> , <b>2018</b> , 81, 289-308	3.1	35
106	Experimental investigation of in-line flow-induced vibration of a rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 847, 664-699	3.7	22
105	Vortex-induced vibrations of a sphere close to a free surface. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 846, 1023-1058	3.1	18
104	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> , <b>2018</b> , 81, 270-288	3.1	4
103	Vortex-induced vibration of a transversely rotating sphere. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 847, 786-820	3.1	8
102	The effect of tail geometry on the slipstream and unsteady wake structure of high-speed trains. <i>Experimental Thermal and Fluid Science</i> , <b>2017</b> , 83, 215-230	3	43
101	The response of an elastic splitter plate attached to a cylinder to laminar pulsatile flow. <i>Journal of Fluids and Structures</i> , <b>2017</b> , 68, 423-443	3.1	23
100	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> , <b>2017</b> , 165, 46-57	3.7	84
99	Harnessing electrical power from vortex-induced vibration of a circular cylinder. <i>Journal of Fluids and Structures</i> , <b>2017</b> , 70, 360-373	3.1	34
98	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> , <b>2017</b> , 231, 1239-1244	1.4	16
97	A wind-tunnel methodology for assessing the slipstream of high-speed trains. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2017</b> , 166, 1-19	3.7	29
96	Experimental investigation of flow-induced vibration of a rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 829, 486-511	3.7	36

95	Three-dimensionality of elliptical cylinder wakes at low angles of incidence. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 825, 245-283	3.7	8
94	Two- and three-dimensional wake transitions of an impulsively started uniformly rolling circular cylinder. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 826, 32-59	3.7	4
93	Effect of radius of gyration on a wing rotating at low Reynolds number: A computational study. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	11
92	On the near wake of a simplified heavy vehicle. <i>Journal of Fluids and Structures</i> , <b>2016</b> , 66, 293-314	3.1	30
91	Dynamics of trailing vortices in the wake of a generic high-speed train. <i>Journal of Fluids and Structures</i> , <b>2016</b> , 65, 238-256	3.1	45
90	Flow topology and unsteady features of the wake of a generic high-speed train. <i>Journal of Fluids and Structures</i> , <b>2016</b> , 61, 168-183	3.1	38
89	A universal three-dimensional instability of the wakes of two-dimensional bluff bodies. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 792, 50-66	3.7	4
88	Codimension three bifurcation of streamline patterns close to a no-slip wall: A topological description of boundary layer eruption. <i>Physics of Fluids</i> , <b>2015</b> , 27, 053603	4.4	6
87	A study of the geometry and parameter dependence of vortex breakdown. <i>Physics of Fluids</i> , <b>2015</b> , 27, 044102	4.4	8
86	The influence of a small upstream wire on transition in a rotating cylinder wake. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 769,	3.7	4
85	Aerodynamic drag interactions between cyclists in a team pursuit. <i>Sports Engineering</i> , <b>2015</b> , 18, 93-103	1.4	40
84	Stability analysis of the elliptic cylinder wake. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 763, 302-321	3.7	25
83	Moving model analysis of the slipstream and wake of a high-speed train. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2015</b> , 136, 127-137	3.7	72
82	Vortex separation and interaction in the wake of inclined trapezoidal plates. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 771, 341-369	3.7	4
81	A Low-Cost Digital Image Correlation Technique for Characterising the Shear Deformation of Fabrics for Draping Studies. <i>Strain</i> , <b>2015</b> , 51, 180-189	1.7	16
80	Utilization of Cavity Vortex To Delay the Wetting Transition in One-Dimensional Structured Microchannels. <i>Langmuir</i> , <b>2015</b> , 31, 13373-84	4	13
79	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> , <b>2015</b> , 229, 28-38	0.7	19
78	Control of confined vortex breakdown with partial rotating lids. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 738, 5-33	3.7	15

77	Numerical analysis of bluff body wakes under periodic open-loop control. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 739, 94-123	3.7	19
76	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> , <b>2014</b> , 58, 184-192	5.8	8
75	Forced convection from a circular cylinder in a packed bed. <i>International Communications in Heat and Mass Transfer</i> , <b>2014</b> , 54, 18-26	5.8	10
74	Flow topology in the wake of a cyclist and its effect on aerodynamic drag. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 748, 5-35	3.7	57
73	Low-Reynolds-number wakes of elliptical cylinders: from the circular cylinder to the normal flat plate. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 751, 570-600	3.7	64
72	Computational Fluid Dynamics Study of the Effect of Leg Position on Cyclist Aerodynamic Drag. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2014</b> , 136,	2.1	33
71	The role of advance ratio and aspect ratio in determining leading-edge vortex stability for flapping flight. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 751, 71-105	3.7	47
70	Vorticity generation and conservation for two-dimensional interfaces and boundaries. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 758, 63-93	3.7	28
69	Dynamics and stability of the wake behind tandem cylinders sliding along a wall. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 722, 291-316	3.7	13
68	Relationship between aerodynamic forces, flow structures and wing camber for rotating insect wing planforms. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 730, 52-75	3.7	29
67	Wake states and frequency selection of a streamwise oscillating cylinder. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 730, 162-192	3.7	38
66	Three-dimensionality in the wake of a rapidly rotating cylinder in uniform flow. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 730, 379-391	3.7	33
65	Vortex-induced vibration of a neutrally buoyant tethered sphere. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 719, 97-128	3.7	29
64	Three-dimensionality in the wake of a rotating cylinder in a uniform flow. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 717, 1-29	3.7	54
63	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> , <b>2013</b> , 61, 226-244	4.9	43
62	Vortex-induced vibrations of a diamond cross-section: Sensitivity to corner sharpness. <i>Journal of Fluids and Structures</i> , <b>2013</b> , 39, 371-390	3.1	25
61	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> , <b>2013</b> , 43, 30-38	5.8	14
60	Reynolds number and aspect ratio effects on the leading-edge vortex for rotating insect wing planforms. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 717, 166-192	3.7	132

59	Experimental evidence of new three-dimensional modes in the wake of a rotating cylinder. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 734, 567-594	3.7	30
58	Effect of small asymmetries on axisymmetric stenotic flow. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 721,	3.7	28
57	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> , <b>2013</b> , 6, 522-528	1	6
56	Analysis of forced convection heat transfer from a circular cylinder embedded in a porous medium. <i>International Journal of Thermal Sciences</i> , <b>2012</b> , 51, 121-131	4.1	14
55	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> , <b>2012</b> , 55, 3366-3378	4.9	30
54	Enhancing heat transfer in a high Hartmann number magnetohydrodynamic channel flow via torsional oscillation of a cylindrical obstacle. <i>Physics of Fluids</i> , <b>2012</b> , 24, 113601	4.4	21
53	Optimal transient disturbances behind a circular cylinder in a quasi-two-dimensional magnetohydrodynamic duct flow. <i>Physics of Fluids</i> , <b>2012</b> , 24, 024105	4.4	14
52	Observations of Flow Structure Changes with Aspect Ratio for Rotating Insect Wing Planforms <b>2012</b> ,		6
51	Transition to chaos in the wake of a rolling sphere. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 695, 135-148	3.7	16
50	Effective transition of steady flow over a square leading-edge plate. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 698, 335-357	3.7	9
49	Three-dimensional instabilities in the boundary-layer flow over a long rectangular plate. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 681, 411-433	3.7	8
48	A numerical study of an inline oscillating cylinder in a free stream. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 688, 551-568	3.7	37
47	Experiments on the elliptic instability in vortex pairs with axial core flow. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 677, 383-416	3.7	22
46	Flow dynamics of a tethered elastic capsule. <i>Physics of Fluids</i> , <b>2011</b> , 23, 021901	4.4	3
45	Numerical and experimental studies of the rolling sphere wake. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 643, 137-162	3.7	30
44	The wake behind a cylinder rolling on a wall at varying rotation rates. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 648, 225-256	3.7	39
43	A numerical study of global frequency selection in the time-mean wake of a circular cylinder. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 645, 435-446	3.7	25
42	Modification of three-dimensional transition in the wake of a rotationally oscillating cylinder. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 643, 349-362	3.7	20



41	Convective instability in steady stenotic flow: optimal transient growth and experimental observation. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 655, 504-514	3-7	16
40	CFD MODELING OF THE STEADY-STATE MOMENTUM AND OXYGEN TRANSPORT IN A BIOREACTOR THAT IS DRIVEN BY AN AERIAL ROTATING DISK. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 121-127	1-6	32
39	The three-dimensional wake of a cylinder undergoing a combination of translational and rotational oscillation in a quiescent fluid. <i>Physics of Fluids</i> , <b>2009</b> , 21, 064101	4-4	12
38	Flow behind a cylinder forced by a combination of oscillatory translational and rotational motions. <i>Physics of Fluids</i> , <b>2009</b> , 21, 051701	4-4	15
37	Simulation of the control of vortex breakdown in a closed cylinder using a small rotating disk. <i>Physics of Fluids</i> , <b>2009</b> , 21, 024104	4-4	14
36	Dye visualization near a three-dimensional stagnation point: application to the vortex breakdown bubble. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 622, 177-194	3-7	13
35	Pulsatile flow in stenotic geometries: flow behaviour and stability. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 622, 291-320	3-7	23
34	Global frequency selection in the observed time-mean wakes of circular cylinders. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 601, 425-441	3-7	19
33	Stability of a pair of co-rotating vortices with axial flow. <i>Physics of Fluids</i> , <b>2008</b> , 20, 094101	4-4	25
32	Flow normal to a short cylinder with hemispherical ends. <i>Physics of Fluids</i> , <b>2008</b> , 20, 041701	4-4	3
31	Wake formation behind a rolling sphere. <i>Physics of Fluids</i> , <b>2008</b> , 20, 071704	4-4	7
30	Steady inlet flow in stenotic geometries: convective and absolute instabilities. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 616, 111-133	3-7	39
29	Wake behaviour and instability of flow through a partially blocked channel. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 582, 319-340	3-7	33
28	Sphere-wall collisions: vortex dynamics and stability. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 575, 121-148	3-7	36
27	Flow around an impulsively arrested circular cylinder. <i>Physics of Fluids</i> , <b>2007</b> , 19, 083601	4-4	27
26	The effect of mass ratio and tether length on the flow around a tethered cylinder. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 591, 117-144	3-7	14
25	Three-dimensional transition in the wake of a transversely oscillating cylinder. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 577, 79-104	3-7	86
24	Wake state and energy transitions of an oscillating cylinder at low Reynolds number. <i>Physics of Fluids</i> , <b>2006</b> , 18, 067101	4-4	69

23	Hydrodynamics of a particle impact on a wall. <i>Applied Mathematical Modelling</i> , <b>2006</b> , 30, 1356-1369	4.5	55
22	Predicting vortex-induced vibration from driven oscillation results. <i>Applied Mathematical Modelling</i> , <b>2006</b> , 30, 1096-1102	4.5	20
21	The beginning of branching behaviour of vortex-induced vibration during two-dimensional flow. <i>Journal of Fluids and Structures</i> , <b>2006</b> , 22, 857-864	3.1	94
20	Wake transition of two-dimensional cylinders and axisymmetric bluff bodies. <i>Journal of Fluids and Structures</i> , <b>2006</b> , 22, 793-806	3.1	43
19	Three-dimensional transition in the wake of bluff elongated cylinders. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 538, 1	3.7	72
18	Flow past a cylinder close to a free surface. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 533,	3.7	75
17	The evolution of a subharmonic mode in a vortex street. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 534, 23-38	3.7	31
16	Computations of the drag coefficients for low-Reynolds-number flow past rings. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 526, 257-275	3.7	52
15	Variation in the critical mass ratio of a freely oscillating cylinder as a function of Reynolds number. <i>Physics of Fluids</i> , <b>2005</b> , 17, 038106	4.4	16
14	Subharmonic mechanism of the mode C instability. <i>Physics of Fluids</i> , <b>2005</b> , 17, 111702	4.4	24
13	Vortex dynamics associated with the collision of a sphere with a wall. <i>Physics of Fluids</i> , <b>2004</b> , 16, L74-L77	4.4	29
12	Predicted low frequency structures in the wake of elliptical cylinders. <i>European Journal of Mechanics, B/Fluids</i> , <b>2004</b> , 23, 229-239	2.4	42
11	Flow past rectangular cylinders: receptivity to transverse forcing. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 515, 33-62	3.7	26
10	From spheres to circular cylinders: non-axisymmetric transitions in the flow past rings. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 506, 45-78	3.7	62
9	A coupled Landau model describing the Strouhal-Reynolds number profile of a three-dimensional circular cylinder wake. <i>Physics of Fluids</i> , <b>2003</b> , 15, L68-L71	4.4	19
8	The Unsteady Wake of a Circular Cylinder near a Free Surface. <i>Flow, Turbulence and Combustion</i> , <b>2003</b> , 71, 347-359	2.5	13
7	The sensitivity of steady vortex breakdown bubbles in confined cylinder flows to rotating lid misalignment. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 496, 129-138	3.7	39
6	From spheres to circular cylinders: the stability and flow structures of bluff ring wakes. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 492, 147-180	3.7	96

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