

# Kerry Hourigan

## List of Publications by Citations

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189  
papers

4,323  
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39  
h-index

53  
g-index

215  
ext. papers

4,995  
ext. citations

3.6  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
189	Three-dimensional instabilities in the wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , <b>1996</b> , 12, 190-196	3	168
188	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
187	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
186	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
185	Aerodynamic sources of acoustic resonance in a duct with baffles. <i>Journal of Fluids and Structures</i> , <b>1990</b> , 4, 345-370	3.1	84
184	A review of the developments of characteristics of PEI derivatives for gene delivery applications. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	81
183	SELF-SUSTAINED OSCILLATIONS IN FLOWS AROUND LONG BLUNT PLATES. <i>Journal of Fluids and Structures</i> , <b>2001</b> , 15, 387-398	3.1	79
182	Cardiogenesis of embryonic stem cells with liquid marble micro-bioreactor. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 77-86	10.1	77
181	Three-dimensional vortex structures in a cylinder wake. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 312, 201-222	3.7	76
180	Flow past a cylinder close to a free surface. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 533,	3.7	75
179	Three-dimensional transition in the wake of bluff elongated cylinders. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 538, 1	3.7	72
178	Orbital migration of protoplanets - The inertial limit. <i>Astrophysical Journal</i> , <b>1989</b> , 347, 490	4.7	71
177	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
176	Target-free Stereo PIV: a novel technique with inherent error estimation and improved accuracy. <i>Experiments in Fluids</i> , <b>2008</b> , 44, 317-329	2.5	65
175	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
174	A fluid dynamics approach to bioreactor design for cell and tissue culture. <i>Biotechnology and Bioengineering</i> , <b>2006</b> , 94, 1196-208	4.9	62
173	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

172	Radial migration of preplanetary material: Implications for the accretion time scale problem. <i>Icarus</i> , <b>1984</b> , 60, 29-39	3.8	60
171	Flow characterization of a spinner flask for induced pluripotent stem cell culture application. <i>PLoS ONE</i> , <b>2014</b> , 9, e106493	3.7	58
170	The past, present, and future of x-ray technology for in vivo imaging of function and form. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 102009	2.5	58
169	Microfluidic Manipulation of Core/Shell Nanoparticles for Oral Delivery of Chemotherapeutics: A New Treatment Approach for Colorectal Cancer. <i>Advanced Materials</i> , <b>2016</b> , 28, 4134-41	24	56
168	Hydrodynamics of a particle impact on a wall. <i>Applied Mathematical Modelling</i> , <b>2006</b> , 30, 1356-1369	4.5	55
167	The flow past a circular cylinder translating at different heights above a wall. <i>Journal of Fluids and Structures</i> , <b>2013</b> , 41, 9-21	3.1	54
166	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
165	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
164	Resonant sound caused by flow past two plates in tandem in a duct. <i>Journal of Fluid Mechanics</i> , <b>1988</b> , 192, 455-484	3.7	52
163	Three-dimensional synchrotron x-ray particle image velocimetry. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 064916	2.5	51
162	A review of rotating cylinder wake transitions. <i>Journal of Fluids and Structures</i> , <b>2015</b> , 53, 2-14	3.1	49
161	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
160	Vortex shedding and three-dimensional behaviour of flow past a cylinder confined in a channel. <i>Journal of Fluids and Structures</i> , <b>2011</b> , 27, 855-860	3.1	42
159	Flows past rotating cylinders next to a wall. <i>Journal of Fluids and Structures</i> , <b>2011</b> , 27, 668-679	3.1	42
158	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
157	Altered lung motion is a sensitive indicator of regional lung disease. <i>Annals of Biomedical Engineering</i> , <b>2012</b> , 40, 1160-9	4.7	41
156	Bioreducible PEI-functionalized glycol chitosan: A novel gene vector with reduced cytotoxicity and improved transfection efficiency. <i>Carbohydrate Polymers</i> , <b>2016</b> , 153, 160-168	10.3	40
155	Computed tomographic x-ray velocimetry. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 023702	3.4	40

154	Particle image velocimetry and visualization of natural and forced flow around rectangular cylinders. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 478, 299-323	3.7	40
153	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
152	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
151	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
150	Response of base suction and vortex shedding from rectangular prisms to transverse forcing. <i>Journal of Fluid Mechanics</i> , <b>2002</b> , 461, 25-49	3.7	39
149	Sphere-wall collisions: vortex dynamics and stability. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 575, 121-148	3.7	36
148	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
147	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
146	Vortex-induced vibration of a rotating sphere. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 837, 258-292	3.7	31
145	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
144	Shear layer vortices and longitudinal vortices in the near wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , <b>1996</b> , 12, 169-174	3	31
143	Optimization of agitation speed in spinner flask for microcarrier structural integrity and expansion of induced pluripotent stem cells. <i>Cytotechnology</i> , <b>2016</b> , 68, 45-59	2.2	30
142	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
141	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
140	Numerical and experimental studies of the rolling sphere wake. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 643, 137-162	3.7	30
139	The shear-layer instability of a circular cylinder wake. <i>Physics of Fluids</i> , <b>2005</b> , 17, 021702	4.4	30
138	Myocardial infarction: stem cell transplantation for cardiac regeneration. <i>Regenerative Medicine</i> , <b>2015</b> , 10, 1025-43	2.5	29
137	Vortex-induced vibration of a neutrally buoyant tethered sphere. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 719, 97-128	3.7	29

136	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
135	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
134	Effect of small asymmetries on axisymmetric stenotic flow. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 721,	3.7	28
133	Flow around an impulsively arrested circular cylinder. <i>Physics of Fluids</i> , <b>2007</b> , 19, 083601	4.4	27
132	Flow past a rotating cylinder translating at different gap heights along a wall. <i>Journal of Fluids and Structures</i> , <b>2015</b> , 57, 314-330	3.1	26
131	Flow past rectangular cylinders: receptivity to transverse forcing. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 515, 33-62	3.7	26
130	Surface-functionalization of PDMS for potential micro-bioreactor and embryonic stem cell culture applications. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 987-996	7.3	25
129	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
128	Response of unconfined vortex breakdown to axial pulsing. <i>Physics of Fluids</i> , <b>2006</b> , 18, 038102	4.4	25
127	X-ray velocimetry and haemodynamic forces within a stenosed femoral model at physiological flow rates. <i>Annals of Biomedical Engineering</i> , <b>2011</b> , 39, 1643-53	4.7	24
126	Subharmonic mechanism of the mode C instability. <i>Physics of Fluids</i> , <b>2005</b> , 17, 111702	4.4	24
125	The wake and thrust by four side-by-side cylinders at a low Re. <i>Journal of Fluids and Structures</i> , <b>2017</b> , 70, 131-144	3.1	23
124	Volumetric correlation PIV: a new technique for 3D velocity vector field measurement. <i>Experiments in Fluids</i> , <b>2009</b> , 47, 569-577	2.5	23
123	Pulsatile flow in stenotic geometries: flow behaviour and stability. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 622, 291-320	3.7	23
122	Flow dynamics and forces associated with a cylinder rolling along a wall. <i>Physics of Fluids</i> , <b>2006</b> , 18, 111701	4.4	23
121	Spiral streaklines in pre-vortex breakdown regions of axisymmetric swirling flows. <i>Physics of Fluids</i> , <b>1995</b> , 7, 3126-3128	4.4	23
120	Longitudinal vortex structures in a cylinder wake. <i>Physics of Fluids</i> , <b>1994</b> , 6, 2883-2885	4.4	23
119	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

118	Sound generated in laminar flow past a two-dimensional rectangular cylinder. <i>Journal of Sound and Vibration</i> , <b>2006</b> , 295, 407-427	3.9	22
117	Confined flow vortex breakdown control using a small rotating disk. <i>Physics of Fluids</i> , <b>2004</b> , 16, 4750-4753	3.4	22
116	Flow-induced vibrations of a tethered circular cylinder. <i>Journal of Fluids and Structures</i> , <b>2004</b> , 19, 1085-1102	3.0	22
115	Acoustic sources in a tripped flow past a resonator tube. <i>AIAA Journal</i> , <b>1992</b> , 30, 1484-1491	2.1	22
114	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
113	Haemodynamical stress in mouse aortic arch with atherosclerotic plaques: Preliminary study of plaque progression. <i>Computational and Structural Biotechnology Journal</i> , <b>2014</b> , 10, 98-106	6.8	21
112	A simple calibration technique for stereoscopic particle image velocimetry. <i>Experiments in Fluids</i> , <b>2007</b> , 42, 799-810	2.5	21
111	Predicting vortex-induced vibration from driven oscillation results. <i>Applied Mathematical Modelling</i> , <b>2006</b> , 30, 1096-1102	4.5	20
110	Acoustics and experimental methods: The influence of sound on flow and heat transfer. <i>Experimental Thermal and Fluid Science</i> , <b>1990</b> , 3, 138-152	3	20
109	Three-dimensional numerical simulation of blood flow in mouse aortic arch around atherosclerotic plaques. <i>Applied Mathematical Modelling</i> , <b>2014</b> , 38, 4175-4185	4.5	19
108	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
107	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
106	Sources of acoustic resonance generated by flow around a long rectangular plate in a duct. <i>Journal of Fluids and Structures</i> , <b>2003</b> , 18, 729-740	3.1	19
105	Prediction of Flutter of Turbine Blades in a Transonic Annular Cascade. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2005</b> , 127, 1053-1058	2.1	18
104	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
103	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
102	Effect of lactate and pH on mouse pluripotent stem cells: Importance of media analysis. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 118, 25-33	4.2	17
101	Measurement of instantaneous velocity and surface topography in the wake of a cylinder at low Reynolds number. <i>Journal of Fluids and Structures</i> , <b>2008</b> , 24, 1271-1277	3.1	17

100	Control of vortex breakdown in a closed cylinder with a small rotating rod. <i>Journal of Fluids and Structures</i> , <b>2008</b> , 24, 1278-1283	3.1	17
99	An improved, free surface, topographic technique. <i>Journal of Visualization</i> , <b>2006</b> , 9, 49-56	1.6	17
98	Transverse flow-induced vibrations of a sphere. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 837, 931-966	3.7	16
97	Computed tomographic X-ray velocimetry for simultaneous 3D measurement of velocity and geometry in opaque vessels. <i>Experiments in Fluids</i> , <b>2012</b> , 52, 543-554	2.5	16
96	Experimental Characterisation of Fluid Mechanics in a Spinner Flask Bioreactor. <i>Processes</i> , <b>2014</b> , 2, 753-772		16
95	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
94	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
93	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
92	Aspect ratio studies on insect wings. <i>Physics of Fluids</i> , <b>2019</b> , 31, 121301	4.4	16
91	Control of confined vortex breakdown with partial rotating lids. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 738, 5-33	3.7	15
90	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> , <b>2013</b> , 25, 101706	4.4	15
89	Asymmetric structure and non-linear transition behaviour of the wakes of toroidal bodies. <i>European Journal of Mechanics, B/Fluids</i> , <b>2004</b> , 23, 167-179	2.4	15
88	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
87	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
86	Modelling the Transport of Momentum and Oxygen in an Aerial-Disk Driven Bioreactor Used for Animal Tissue or Cell Culture. <i>IFMBE Proceedings</i> , <b>2009</b> , 1672-1675	0.2	14
85	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
84	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
83	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



82	Optimisation of temporal averaging processes in PIV. <i>Experiments in Fluids</i> , <b>2012</b> , 52, 617-631	2.5	12
81	Experimental study of simultaneous measurement of velocity and surface topography: in the wake of a circular cylinder at low Reynolds number. <i>Experiments in Fluids</i> , <b>2011</b> , 50, 587-595	2.5	12
80	Instability of the flow around an impacting sphere. <i>Journal of Fluids and Structures</i> , <b>2006</b> , 22, 961-971	3.1	12
79	Evaluating fluid forces on bluff bodies using partial velocity data. <i>Journal of Fluids and Structures</i> , <b>2005</b> , 20, 5-24	3.1	12
78	Engineering imaging: using particle image velocimetry to see physiology in a new light. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2009</b> , 36, 238-47	3	11
77	Experimental control of vortex breakdown by density effects. <i>Physics of Fluids</i> , <b>2011</b> , 23, 034104	4.4	11
76	A bioreactor model of mouse tumor progression. <i>Journal of Biomedicine and Biotechnology</i> , <b>2007</b> , 2007, 32754		11
75	Vorticity generation and wake transition for a translating circular cylinder: Wall proximity and rotation effects. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2013</b> , 122, 2-9	3.7	10
74	Augmented forced convection heat transfer in separated flow around a blunt flat plate. <i>Experimental Thermal and Fluid Science</i> , <b>1991</b> , 4, 182-191	3	10
73	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
72	Experimental investigation of fluid dynamic instability in a transonic cavity flow. <i>Experimental Thermal and Fluid Science</i> , <b>2007</b> , 31, 333-347	3	9
71	Numerical Experiments on Planetesimal Aggregation during the Formation of the Solar System. <i>Publications of the Astronomical Society of Australia</i> , <b>1977</b> , 3, 169-171	5.5	9
70	Dual effect of F-actin targeted carrier combined with antimetabolic drug on aggressive colorectal cancer cytoskeleton: Allying dissimilar cell cytoskeleton disrupting mechanisms. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 513, 464-472	6.5	9
69	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
68	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
67	A study of the geometry and parameter dependence of vortex breakdown. <i>Physics of Fluids</i> , <b>2015</b> , 27, 044102	4.4	8
66	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
65	The feedback loop in impinging two-dimensional high-subsonic and supersonic jets. <i>Experimental Thermal and Fluid Science</i> , <b>1996</b> , 12, 265-270	3	8



64	Effects of flapping-motion profiles on insect-wing aerodynamics. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 884,	3.7	8
63	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
62	Vortex-induced vibration of a transversely rotating sphere. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 847, 786-820	3.7	8
61	Mixing in a vortex breakdown flow. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 731, 195-222	3.7	7
60	Optimisation of a stirred bioreactor through the use of a novel holographic correlation velocimetry flow measurement technique. <i>PLoS ONE</i> , <b>2013</b> , 8, e65714	3.7	7
59	Wake formation behind a rolling sphere. <i>Physics of Fluids</i> , <b>2008</b> , 20, 071704	4.4	7
58	Hydraulic Analogy Study of Supersonic Rectangular-Jet Screech Control with Cylinders. <i>AIAA Journal</i> , <b>2007</b> , 45, 1539-1545	2.1	7
57	Wake of forced flow around elliptical leading edge plates. <i>Journal of Fluids and Structures</i> , <b>2005</b> , 20, 157-176	3.7	7
56	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
55	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
54	Sound Generated by a Pair of Axisymmetric viscous Coaxial Vortex Rings.. <i>AIAA Journal</i> , <b>2005</b> , 43, 326-336	3.1	6
53	Prediction of vortex shedding from bluff bodies in the presence of a sound field. <i>Fluid Dynamics Research</i> , <b>1988</b> , 3, 349-352	1.2	6
52	Unsteady flow around impacting bluff bodies. <i>Journal of Fluids and Structures</i> , <b>2008</b> , 24, 1194-1203	3.1	5
51	Low Reynolds number instabilities and transitions in bluff body wakes. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 64, 012018	0.3	5
50	On the Formation of Planetesimals. <i>Publications of the Astronomical Society of Australia</i> , <b>1979</b> , 3, 389-390	3.5	5
49	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
48	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
47	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

46	Power-Spectral density estimate of the Bloor-Gerrard instability in flows around circular cylinders. <i>Experiments in Fluids</i> , <b>2011</b> , 50, 527-534	2.5	4
45	Low-level flow-induced acoustic resonances in ducts. <i>Fluid Dynamics Research</i> , <b>1988</b> , 3, 353-356	1.2	4
44	Computing the flow past a cylinder with hemispherical ends. <i>ANZIAM Journal</i> , <b>46</b> , 1296		4
43	Vortex dynamics and vibration modes of a tethered sphere. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 885,	3.7	4
42	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
41	Development of dual-triggered in situ gelling scaffolds for tissue engineering. <i>Polymer International</i> , <b>2014</b> , 63, 1593-1599	3.3	3
40	Wake transition of a rolling sphere. <i>Journal of Visualization</i> , <b>2011</b> , 14, 1-2	1.6	3
39	Surface topography of jet shock cells in a hydraulic analogy. <i>Journal of Visualization</i> , <b>2010</b> , 13, 175-176	1.6	3
38	Smooth particle hydrodynamics simulation of surface coating. <i>Applied Mathematical Modelling</i> , <b>1998</b> , 22, 1037-1046	4.5	3
37	Flow normal to a short cylinder with hemispherical ends. <i>Physics of Fluids</i> , <b>2008</b> , 20, 041701	4.4	3
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