

Kerry Hourigan

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.

189
papers

4,323
citations

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	Hydrodynamics of a fish-like body undulation mechanism: Scaling laws and regimes for vortex wake modes. <i>Physics of Fluids</i> , 2021 , 33, 101904	4.4	2
188	The generation and diffusion of vorticity in three-dimensional flows: Lyman's flux. <i>Journal of Fluid Mechanics</i> , 2021 , 915,	3.7	2
187	Bluff Bodies and Wake-Wall Interactions. <i>Annual Review of Fluid Mechanics</i> , 2021 , 53, 347-376	2.2	3
186	Exotic wakes of an oscillating circular cylinder: how singles pair up. <i>Journal of Fluid Mechanics</i> , 2021 , 922,	3.7	1
185	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, 091905	4.4	3
184	The generation and conservation of vorticity: deforming interfaces and boundaries in two-dimensional flows. <i>Journal of Fluid Mechanics</i> , 2020 , 890,	3.7	6
183	Vortex dynamics and vibration modes of a tethered sphere. <i>Journal of Fluid Mechanics</i> , 2020 , 885,	3.7	4
182	Effects of flapping-motion profiles on insect-wing aerodynamics. <i>Journal of Fluid Mechanics</i> , 2020 , 884,	3.7	8
181	Wake dynamics and flow-induced vibration of a freely rolling cylinder. <i>Journal of Fluid Mechanics</i> , 2020 , 903,	3.7	2
180	Efficient FSI solvers for multiple-degrees-of-freedom flow-induced vibration of a rigid body. <i>Computers and Fluids</i> , 2020 , 196, 104340	2.8	2
179	Flow-induced vibration of a cube orientated at different incidence angles. <i>Journal of Fluids and Structures</i> , 2019 , 91, 102701	3.1	2
178	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> , 2019 , 89, 142-155	3.1	4
177	Large amplitude cross-stream sphere vibration generated by applied rotational oscillation. <i>Journal of Fluids and Structures</i> , 2019 , 89, 156-165	3.1	2
176	Evolutionary shape optimisation enhances the lift coefficient of rotating wing geometries. <i>Journal of Fluid Mechanics</i> , 2019 , 868, 369-384	3.7	8
175	An experimental investigation of flow-induced vibration of high-side-ratio rectangular cylinders. <i>Journal of Fluids and Structures</i> , 2019 , 91, 102580	3.1	9
174	Dynamic response of elliptical cylinders undergoing transverse flow-induced vibration. <i>Journal of Fluids and Structures</i> , 2019 , 89, 123-131	3.1	8
173	Aspect ratio studies on insect wings. <i>Physics of Fluids</i> , 2019 , 31, 121301	4.4	16

172	Uncoupling the effects of aspect ratio, Reynolds number and Rossby number on a rotating insect-wing planform. <i>Journal of Fluid Mechanics</i> , 2019 , 859, 921-948	3.7	18
171	Vortex-induced vibration of a rotating sphere. <i>Journal of Fluid Mechanics</i> , 2018 , 837, 258-292	3.7	31
170	Transverse flow-induced vibrations of a sphere. <i>Journal of Fluid Mechanics</i> , 2018 , 837, 931-966	3.7	16
169	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	3.7	30
168	The leading-edge vortex on a rotating wing changes markedly beyond a certain central body size. <i>Royal Society Open Science</i> , 2018 , 5, 172197	3.3	7
167	The effect of imposed rotary oscillation on the flow-induced vibration of a sphere. <i>Journal of Fluid Mechanics</i> , 2018 , 855, 703-735	3.7	8
166	Experimental investigation of in-line flow-induced vibration of a rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2018 , 847, 664-699	3.7	22
165	Vortex-induced vibrations of a sphere close to a free surface. <i>Journal of Fluid Mechanics</i> , 2018 , 846, 1023-1058	3.7	18
164	Vortex-induced vibration of a transversely rotating sphere. <i>Journal of Fluid Mechanics</i> , 2018 , 847, 786-820	3.7	8
163	The wake and thrust by four side-by-side cylinders at a low Re. <i>Journal of Fluids and Structures</i> , 2017 , 70, 131-144	3.1	23
162	Effect of lactate and pH on mouse pluripotent stem cells: Importance of media analysis. <i>Biochemical Engineering Journal</i> , 2017 , 118, 25-33	4.2	17
161	Three-dimensionality of elliptical cylinder wakes at low angles of incidence. <i>Journal of Fluid Mechanics</i> , 2017 , 825, 245-283	3.7	8
160	Two- and three-dimensional wake transitions of an impulsively started uniformly rolling circular cylinder. <i>Journal of Fluid Mechanics</i> , 2017 , 826, 32-59	3.7	4
159	Optimization of agitation speed in spinner flask for microcarrier structural integrity and expansion of induced pluripotent stem cells. <i>Cytotechnology</i> , 2016 , 68, 45-59	2.2	30
158	Bioreducible PEI-functionalized glycol chitosan: A novel gene vector with reduced cytotoxicity and improved transfection efficiency. <i>Carbohydrate Polymers</i> , 2016 , 153, 160-168	10.3	40
157	Microfluidic Manipulation of Core/Shell Nanoparticles for Oral Delivery of Chemotherapeutics: A New Treatment Approach for Colorectal Cancer. <i>Advanced Materials</i> , 2016 , 28, 4134-41	24	56
156	A universal three-dimensional instability of the wakes of two-dimensional bluff bodies. <i>Journal of Fluid Mechanics</i> , 2016 , 792, 50-66	3.7	4
155	Fluid-Structure Interaction of a Rolling Cylinder with Offset Centre-of-Mass. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2016 , 91-104	0.3	

154	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> , 2016 , 513, 464-472	6.5	9
153	Flow past a rotating cylinder translating at different gap heights along a wall. <i>Journal of Fluids and Structures</i> , 2015 , 57, 314-330	3.1	26
152	A study of the geometry and parameter dependence of vortex breakdown. <i>Physics of Fluids</i> , 2015 , 27, 044102	4.4	8
151	The influence of a small upstream wire on transition in a rotating cylinder wake. <i>Journal of Fluid Mechanics</i> , 2015 , 769,	3.7	4
150	A review of the developments of characteristics of PEI derivatives for gene delivery applications. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	81
149	Myocardial infarction: stem cell transplantation for cardiac regeneration. <i>Regenerative Medicine</i> , 2015 , 10, 1025-43	2.5	29
148	A review of rotating cylinder wake transitions. <i>Journal of Fluids and Structures</i> , 2015 , 53, 2-14	3.1	49
147	Cardiogenesis of embryonic stem cells with liquid marble micro-bioreactor. <i>Advanced Healthcare Materials</i> , 2015 , 4, 77-86	10.1	77
146	Development of dual-triggered in situ gelling scaffolds for tissue engineering. <i>Polymer International</i> , 2014 , 63, 1593-1599	3.3	3
145	Control of confined vortex breakdown with partial rotating lids. <i>Journal of Fluid Mechanics</i> , 2014 , 738, 5-33	3.7	15
144	Haemodynamical stress in mouse aortic arch with atherosclerotic plaques: Preliminary study of plaque progression. <i>Computational and Structural Biotechnology Journal</i> , 2014 , 10, 98-106	6.8	21
143	Three-dimensional numerical simulation of blood flow in mouse aortic arch around atherosclerotic plaques. <i>Applied Mathematical Modelling</i> , 2014 , 38, 4175-4185	4.5	19
142	Low-Reynolds-number wakes of elliptical cylinders: from the circular cylinder to the normal flat plate. <i>Journal of Fluid Mechanics</i> , 2014 , 751, 570-600	3.7	64
141	Flow characterization of a spinner flask for induced pluripotent stem cell culture application. <i>PLoS ONE</i> , 2014 , 9, e106493	3.7	58
140	Experimental Characterisation of Fluid Mechanics in a Spinner Flask Bioreactor. <i>Processes</i> , 2014 , 2, 753-773		16
139	Vorticity generation and conservation for two-dimensional interfaces and boundaries. <i>Journal of Fluid Mechanics</i> , 2014 , 758, 63-93	3.7	28
138	The flow past a circular cylinder translating at different heights above a wall. <i>Journal of Fluids and Structures</i> , 2013 , 41, 9-21	3.1	54
137	Dynamics and stability of the wake behind tandem cylinders sliding along a wall. <i>Journal of Fluid Mechanics</i> , 2013 , 722, 291-316	3.7	13

136	Three-dimensionality in the wake of a rapidly rotating cylinder in uniform flow. <i>Journal of Fluid Mechanics</i> , 2013 , 730, 379-391	3.7	33
135	Surface-functionalization of PDMS for potential micro-bioreactor and embryonic stem cell culture applications. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 987-996	7.3	25
134	Vortex-induced vibration of a neutrally buoyant tethered sphere. <i>Journal of Fluid Mechanics</i> , 2013 , 719, 97-128	3.7	29
133	Mixing in a vortex breakdown flow. <i>Journal of Fluid Mechanics</i> , 2013 , 731, 195-222	3.7	7
132	Three-dimensionality in the wake of a rotating cylinder in a uniform flow. <i>Journal of Fluid Mechanics</i> , 2013 , 717, 1-29	3.7	54
131	Vorticity generation and wake transition for a translating circular cylinder: Wall proximity and rotation effects. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013 , 122, 2-9	3.7	10
130	From the circular cylinder to the flat plate wake: The variation of Strouhal number with Reynolds number for elliptical cylinders. <i>Physics of Fluids</i> , 2013 , 25, 101706	4.4	15
129	Experimental evidence of new three-dimensional modes in the wake of a rotating cylinder. <i>Journal of Fluid Mechanics</i> , 2013 , 734, 567-594	3.7	30
128	Effect of small asymmetries on axisymmetric stenotic flow. <i>Journal of Fluid Mechanics</i> , 2013 , 721,	3.7	28
127	Evolution and rupture of vulnerable plaques: a review of mechanical effects. <i>ChronoPhysiology and Therapy</i> , 2013 , 23		1
126	Optimisation of a stirred bioreactor through the use of a novel holographic correlation velocimetry flow measurement technique. <i>PLoS ONE</i> , 2013 , 8, e65714	3.7	7
125	Computed tomographic X-ray velocimetry for simultaneous 3D measurement of velocity and geometry in opaque vessels. <i>Experiments in Fluids</i> , 2012 , 52, 543-554	2.5	16
124	Optimisation of temporal averaging processes in PIV. <i>Experiments in Fluids</i> , 2012 , 52, 617-631	2.5	12
123	Altered lung motion is a sensitive indicator of regional lung disease. <i>Annals of Biomedical Engineering</i> , 2012 , 40, 1160-9	4.7	41
122	Transition to chaos in the wake of a rolling sphere. <i>Journal of Fluid Mechanics</i> , 2012 , 695, 135-148	3.7	16
121	Experiments on the elliptic instability in vortex pairs with axial core flow. <i>Journal of Fluid Mechanics</i> , 2011 , 677, 383-416	3.7	22
120	Dynamics of the flow around colliding spheres. <i>Journal of Fluids and Structures</i> , 2011 , 27, 1349-1356	3.1	2
119	X-ray velocimetry and haemodynamic forces within a stenosed femoral model at physiological flow rates. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 1643-53	4.7	24

118	Power-Spectral density estimate of the Bloor-Gerrard instability in flows around circular cylinders. <i>Experiments in Fluids</i> , 2011 , 50, 527-534	2.5	4
117	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> , 2011 , 50, 587-595	2.5	12
116	Application of Particle Image Velocimetry and Reference Image Topography to jet shock cells using the hydraulic analogy. <i>Experiments in Fluids</i> , 2011 , 51, 543-551	2.5	1
115	Vortex shedding and three-dimensional behaviour of flow past a cylinder confined in a channel. <i>Journal of Fluids and Structures</i> , 2011 , 27, 855-860	3.1	42
114	Wake transition of a rolling sphere. <i>Journal of Visualization</i> , 2011 , 14, 1-2	1.6	3
113	Flows past rotating cylinders next to a wall. <i>Journal of Fluids and Structures</i> , 2011 , 27, 668-679	3.1	42
112	Experimental control of vortex breakdown by density effects. <i>Physics of Fluids</i> , 2011 , 23, 034104	4.4	11
111	Numerical and experimental studies of the rolling sphere wake. <i>Journal of Fluid Mechanics</i> , 2010 , 643, 137-162	3.7	30
110	The wake behind a cylinder rolling on a wall at varying rotation rates. <i>Journal of Fluid Mechanics</i> , 2010 , 648, 225-256	3.7	39
109	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	3.7	25
108	Convective instability in steady stenotic flow: optimal transient growth and experimental observation. <i>Journal of Fluid Mechanics</i> , 2010 , 655, 504-514	3.7	16
107	Computed tomographic x-ray velocimetry. <i>Applied Physics Letters</i> , 2010 , 96, 023702	3.4	40
106	Surface topography of jet shock cells in a hydraulic analogy. <i>Journal of Visualization</i> , 2010 , 13, 175-176	1.6	3
105	Volumetric correlation PIV: a new technique for 3D velocity vector field measurement. <i>Experiments in Fluids</i> , 2009 , 47, 569-577	2.5	23
104	Frontiers in research reviews: New frontiers in biomedical engineering. Introduction. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 192-3	3	0
103	Engineering imaging: using particle image velocimetry to see physiology in a new light. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 238-47	3	11
102	Motion of a Möbius band in free fall. <i>Journal of Fluids and Structures</i> , 2009 , 25, 687-696	3.1	2
101	The past, present, and future of x-ray technology for in vivo imaging of function and form. <i>Journal of Applied Physics</i> , 2009 , 105, 102009	2.5	58

100	Simulation of the control of vortex breakdown in a closed cylinder using a small rotating disk. <i>Physics of Fluids</i> , 2009 , 21, 024104	4.4	14
99	Dye visualization near a three-dimensional stagnation point: application to the vortex breakdown bubble. <i>Journal of Fluid Mechanics</i> , 2009 , 622, 177-194	3.7	13
98	Pulsatile flow in stenotic geometries: flow behaviour and stability. <i>Journal of Fluid Mechanics</i> , 2009 , 622, 291-320	3.7	23
97	Modelling the Transport of Momentum and Oxygen in an Aerial-Disk Driven Bioreactor Used for Animal Tissue or Cell Culture. <i>IFMBE Proceedings</i> , 2009 , 1672-1675	0.2	14
96	The Wake Dynamics of a Cylinder Moving Along a Plane Wall with Rotation and Translation. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2009 , 495-504	0.3	
95	Modification of the Flow Structures in a Swirling Jet. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2009 , 243-253	0.3	
94	Vortex Dynamics Associated with the Impact of a Cylinder with a Wall. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2009 , 235-242	0.3	1
93	Global frequency selection in the observed time-mean wakes of circular cylinders. <i>Journal of Fluid Mechanics</i> , 2008 , 601, 425-441	3.7	19
92	Flow normal to a short cylinder with hemispherical ends. <i>Physics of Fluids</i> , 2008 , 20, 041701	4.4	3
91	Wake formation behind a rolling sphere. <i>Physics of Fluids</i> , 2008 , 20, 071704	4.4	7
90	Steady inlet flow in stenotic geometries: convective and absolute instabilities. <i>Journal of Fluid Mechanics</i> , 2008 , 616, 111-133	3.7	39
89	Target-free Stereo PIV: a novel technique with inherent error estimation and improved accuracy. <i>Experiments in Fluids</i> , 2008 , 44, 317-329	2.5	65
88	Measurement of instantaneous velocity and surface topography in the wake of a cylinder at low Reynolds number. <i>Journal of Fluids and Structures</i> , 2008 , 24, 1271-1277	3.1	17
87	Control of vortex breakdown in a closed cylinder with a small rotating rod. <i>Journal of Fluids and Structures</i> , 2008 , 24, 1278-1283	3.1	17
86	Unsteady flow around impacting bluff bodies. <i>Journal of Fluids and Structures</i> , 2008 , 24, 1194-1203	3.1	5
85	Wake behaviour and instability of flow through a partially blocked channel. <i>Journal of Fluid Mechanics</i> , 2007 , 582, 319-340	3.7	33
84	Sphere-wall collisions: vortex dynamics and stability. <i>Journal of Fluid Mechanics</i> , 2007 , 575, 121-148	3.7	36
83	A bioreactor model of mouse tumor progression. <i>Journal of Biomedicine and Biotechnology</i> , 2007 , 2007, 32754		11

82	A simple calibration technique for stereoscopic particle image velocimetry. <i>Experiments in Fluids</i> , 2007 , 42, 799-810	2.5	21
81	Experimental investigation of fluid dynamic instability in a transonic cavity flow. <i>Experimental Thermal and Fluid Science</i> , 2007 , 31, 333-347	3	9
80	Hydraulic Analogy Study of Supersonic Rectangular-Jet Screech Control with Cylinders. <i>AIAA Journal</i> , 2007 , 45, 1539-1545	2.1	7
79	Flow around an impulsively arrested circular cylinder. <i>Physics of Fluids</i> , 2007 , 19, 083601	4.4	27
78	Three-dimensional synchrotron x-ray particle image velocimetry. <i>Journal of Applied Physics</i> , 2007 , 102, 064916	2.5	51
77	Low Reynolds number instabilities and transitions in bluff body wakes. <i>Journal of Physics: Conference Series</i> , 2007 , 64, 012018	0.3	5
76	The effect of mass ratio and tether length on the flow around a tethered cylinder. <i>Journal of Fluid Mechanics</i> , 2007 , 591, 117-144	3.7	14
75	Three-dimensional transition in the wake of a transversely oscillating cylinder. <i>Journal of Fluid Mechanics</i> , 2007 , 577, 79-104	3.7	86
74	An improved, free surface, topographic technique. <i>Journal of Visualization</i> , 2006 , 9, 49-56	1.6	17
73	A fluid dynamics approach to bioreactor design for cell and tissue culture. <i>Biotechnology and Bioengineering</i> , 2006 , 94, 1196-208	4.9	62
72	Response of unconfined vortex breakdown to axial pulsing. <i>Physics of Fluids</i> , 2006 , 18, 038102	4.4	25
71	Wake state and energy transitions of an oscillating cylinder at low Reynolds number. <i>Physics of Fluids</i> , 2006 , 18, 067101	4.4	69
70	Hydrodynamics of a particle impact on a wall. <i>Applied Mathematical Modelling</i> , 2006 , 30, 1356-1369	4.5	55
69	Predicting vortex-induced vibration from driven oscillation results. <i>Applied Mathematical Modelling</i> , 2006 , 30, 1096-1102	4.5	20
68	Sound generated in laminar flow past a two-dimensional rectangular cylinder. <i>Journal of Sound and Vibration</i> , 2006 , 295, 407-427	3.9	22
67	The beginning of branching behaviour of vortex-induced vibration during two-dimensional flow. <i>Journal of Fluids and Structures</i> , 2006 , 22, 857-864	3.1	94
66	Wake transition of two-dimensional cylinders and axisymmetric bluff bodies. <i>Journal of Fluids and Structures</i> , 2006 , 22, 793-806	3.1	43
65	Instability of the flow around an impacting sphere. <i>Journal of Fluids and Structures</i> , 2006 , 22, 961-971	3.1	12

64	Flow dynamics and forces associated with a cylinder rolling along a wall. <i>Physics of Fluids</i> , 2006 , 18, 11170-11174	4.4	23
63	Three-dimensional transition in the wake of bluff elongated cylinders. <i>Journal of Fluid Mechanics</i> , 2005 , 538, 1	3.7	72
62	Flow past a cylinder close to a free surface. <i>Journal of Fluid Mechanics</i> , 2005 , 533,	3.7	75
61	The evolution of a subharmonic mode in a vortex street. <i>Journal of Fluid Mechanics</i> , 2005 , 534, 23-38	3.7	31
60	Computations of the drag coefficients for low-Reynolds-number flow past rings. <i>Journal of Fluid Mechanics</i> , 2005 , 526, 257-275	3.7	52
59	Evaluating fluid forces on bluff bodies using partial velocity data. <i>Journal of Fluids and Structures</i> , 2005 , 20, 5-24	3.1	12
58	The shear-layer instability of a circular cylinder wake. <i>Physics of Fluids</i> , 2005 , 17, 021702	4.4	30
57	Wake of forced flow around elliptical leading edge plates. <i>Journal of Fluids and Structures</i> , 2005 , 20, 157-176	3.7	7
56	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	4.4	16
55	Subharmonic mechanism of the mode C instability. <i>Physics of Fluids</i> , 2005 , 17, 111702	4.4	24
54	Prediction of Flutter of Turbine Blades in a Transonic Annular Cascade. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2005 , 127, 1053-1058	2.1	18
53	Sound Generated by a Pair of Axisymmetric viscous Coaxial Vortex Rings.. <i>AIAA Journal</i> , 2005 , 43, 326-336	3.1	6
52	Confined flow vortex breakdown control using a small rotating disk. <i>Physics of Fluids</i> , 2004 , 16, 4750-4753	4.4	22
51	Vortex dynamics associated with the collision of a sphere with a wall. <i>Physics of Fluids</i> , 2004 , 16, L74-L77	4.4	29
50	Asymmetric structure and non-linear transition behaviour of the wakes of toroidal bodies. <i>European Journal of Mechanics, B/Fluids</i> , 2004 , 23, 167-179	2.4	15
49	Predicted low frequency structures in the wake of elliptical cylinders. <i>European Journal of Mechanics, B/Fluids</i> , 2004 , 23, 229-239	2.4	42
48	Flow-induced vibrations of a tethered circular cylinder. <i>Journal of Fluids and Structures</i> , 2004 , 19, 1085-1102	4.4	22
47	Vortex structures in the wake of a buoyant tethered cylinder at moderate to high reduced velocities. <i>European Journal of Mechanics, B/Fluids</i> , 2004 , 23, 127-135	2.4	2

46	Flow past rectangular cylinders: receptivity to transverse forcing. <i>Journal of Fluid Mechanics</i> , 2004 , 515, 33-62	3.7	26
45	From spheres to circular cylinders: non-axisymmetric transitions in the flow past rings. <i>Journal of Fluid Mechanics</i> , 2004 , 506, 45-78	3.7	62
44	Control of Vortex Breakdown in a Torsionally Driven Closed Cylinder by Addition of Swirl Using a Small Disk 2004 , 289		
43	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	4.4	19
42	The Unsteady Wake of a Circular Cylinder near a Free Surface. <i>Flow, Turbulence and Combustion</i> , 2003 , 71, 347-359	2.5	13
41	Sources of acoustic resonance generated by flow around a long rectangular plate in a duct. <i>Journal of Fluids and Structures</i> , 2003 , 18, 729-740	3.1	19
40	The sensitivity of steady vortex breakdown bubbles in confined cylinder flows to rotating lid misalignment. <i>Journal of Fluid Mechanics</i> , 2003 , 496, 129-138	3.7	39
39	From spheres to circular cylinders: the stability and flow structures of bluff ring wakes. <i>Journal of Fluid Mechanics</i> , 2003 , 492, 147-180	3.7	96
38	Particle image velocimetry and visualization of natural and forced flow around rectangular cylinders. <i>Journal of Fluid Mechanics</i> , 2003 , 478, 299-323	3.7	40
37	Numerical Prediction of Flow Instabilities and Aeroelastic Effects. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2003 , 87-100	0.3	
36	The Effect of Changed Mass Ratio on the Motion of a Tethered Cylinder. <i>Fluid Mechanics and Its Applications</i> , 2003 , 135-144	0.2	
35	Simulations of Aeroelasticity in an Annular Cascade Using a Parallel 3-Dimensional Navier-Stokes Solver 2002 , 393		2
34	Response of base suction and vortex shedding from rectangular prisms to transverse forcing. <i>Journal of Fluid Mechanics</i> , 2002 , 461, 25-49	3.7	39
33	Numerical Simulations of the Flow-Induced Vibrations of Tethered Bluff Bodies 2002 ,		2
32	SELF-SUSTAINED OSCILLATIONS IN FLOWS AROUND LONG BLUNT PLATES. <i>Journal of Fluids and Structures</i> , 2001 , 15, 387-398	3.1	79
31	Smooth particle hydrodynamics simulation of surface coating. <i>Applied Mathematical Modelling</i> , 1998 , 22, 1037-1046	4.5	3
30	Chaotic mixing simulations. <i>Applied Mathematical Modelling</i> , 1998 , 22, 1047-1057	4.5	
29	Three-dimensional vortex structures in a cylinder wake. <i>Journal of Fluid Mechanics</i> , 1996 , 312, 201-222	3.7	76

28	The feedback loop in impinging two-dimensional high-subsonic and supersonic jets. <i>Experimental Thermal and Fluid Science</i> , 1996 , 12, 265-270	3	8
27	Shear layer vortices and longitudinal vortices in the near wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 1996 , 12, 169-174	3	31
26	Three-dimensional instabilities in the wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 1996 , 12, 190-196	3	168
25	Spiral streaklines in pre-vortex breakdown regions of axisymmetric swirling flows. <i>Physics of Fluids</i> , 1995 , 7, 3126-3128	4.4	23
24	Longitudinal vortex structures in a cylinder wake. <i>Physics of Fluids</i> , 1994 , 6, 2883-2885	4.4	23
23	Coupling of Vortex Shedding with the Fundamental Resonant Mode of a Resonator Tube. <i>Noise Control Engineering Journal</i> , 1993 , 41, 331	0.6	3
22	Experimental investigation of vortex shedding from a plate: effect of external velocity perturbation. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1993 , 49, 401-410	3.7	2
21	Base pressure coefficients for flows around rectangular plates. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1993 , 49, 311-318	3.7	3
20	Control of Wake Formation and Base Pressure by Transverse Perturbations 1993 , 85-88		
19	Acoustic sources in a tripped flow past a resonator tube. <i>AIAA Journal</i> , 1992 , 30, 1484-1491	2.1	22
18	Augmented forced convection heat transfer in separated flow around a blunt flat plate. <i>Experimental Thermal and Fluid Science</i> , 1991 , 4, 182-191	3	10
17	Aerodynamic sources of acoustic resonance in a duct with baffles. <i>Journal of Fluids and Structures</i> , 1990 , 4, 345-370	3.1	84
16	Acoustics and experimental methods: The influence of sound on flow and heat transfer. <i>Experimental Thermal and Fluid Science</i> , 1990 , 3, 138-152	3	20
15	Orbital migration of protoplanets - The inertial limit. <i>Astrophysical Journal</i> , 1989 , 347, 490	4.7	71
14	The shedding of vorticity from a smooth surface. <i>Fluid Dynamics Research</i> , 1988 , 3, 122-126	1.2	
13	Prediction of vortex shedding from bluff bodies in the presence of a sound field. <i>Fluid Dynamics Research</i> , 1988 , 3, 349-352	1.2	6
12	Low-level flow-induced acoustic resonances in ducts. <i>Fluid Dynamics Research</i> , 1988 , 3, 353-356	1.2	4
11	Resonant sound caused by flow past two plates in tandem in a duct. <i>Journal of Fluid Mechanics</i> , 1988 , 192, 455-484	3.7	52

10	Numerical simulation of heat transfer in the separated and reattached flow on a blunt flat plate. <i>International Communications in Heat and Mass Transfer</i> , 1986 , 13, 665-674	5.8	3
9	Radial migration of preplanetary material: Implications for the accretion time scale problem. <i>Icarus</i> , 1984 , 60, 29-39	3.8	60
8	Titan and the Dispersal of the Proto-Saturnian Nebula. <i>Publications of the Astronomical Society of Australia</i> , 1984 , 5, 459-461	5.5	
7	Nebula Tides and Gap Formation. <i>Publications of the Astronomical Society of Australia</i> , 1984 , 5, 461-464	5.5	
6	Growth of Planetesimals in a Gaseous Ring. <i>Publications of the Astronomical Society of Australia</i> , 1981 , 4, 226-227	5.5	1
5	On the Formation of Planetesimals. <i>Publications of the Astronomical Society of Australia</i> , 1979 , 3, 389-390	5.5	5
4	Numerical Experiments on Planetesimal Aggregation during the Formation of the Solar System. <i>Publications of the Astronomical Society of Australia</i> , 1977 , 3, 169-171	5.5	9
3	Computing the flow past a cylinder with hemispherical ends. <i>ANZIAM Journal</i> , 46, 1296		4
2	Modelling blockage effects using a spectral element method. <i>ANZIAM Journal</i> , 46, 167		2
1	Vortex wake and energy transitions of an oscillating cylinder at low Reynolds number. <i>ANZIAM Journal</i> , 46, 181		2