

Kerry Hourigan

List of Publications by Year in descending order

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208
papers

5,676
citations

57719

44
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118793

62
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215
all docs

215
docs citations

215
times ranked

3482
citing authors

#	ARTICLE	IF	CITATIONS
1	Vorticity generation and conservation on generalised interfaces in three-dimensional flows. Journal of Fluid Mechanics, 2022, 936, .	1.4	16
2	Damping effect on transverse flow-induced vibration of a rotating circular cylinder and its implied energy harvesting performance. Physical Review Fluids, 2022, 7, .	1.0	3
3	Decomposition of fluid forcing and phase synchronisation for in-line vortex-induced vibration of a circular cylinder. Journal of Fluid Mechanics, 2022, 941, .	1.4	6
4	Vortex ring connection to a free surface. Journal of Fluid Mechanics, 2022, 944, .	1.4	5
5	Bluff Bodies and Wake-Wall Interactions. Annual Review of Fluid Mechanics, 2021, 53, 347-376.	10.8	16
6	The generation and diffusion of vorticity in three-dimensional flows: Lyman's flux. Journal of Fluid Mechanics, 2021, 915, .	1.4	16
7	Exotic wakes of an oscillating circular cylinder: how singles pair up. Journal of Fluid Mechanics, 2021, 922, .	1.4	1
8	Body-caudal fin fish-inspired self-propulsion study on burst-and-coast and continuous swimming of a hydrofoil model. Physics of Fluids, 2021, 33, .	1.6	14
9	Hydrodynamics of a fish-like body undulation mechanism: Scaling laws and regimes for vortex wake modes. Physics of Fluids, 2021, 33, .	1.6	10
10	Vortex-induced vibration of a sphere close to or piercing a free surface. Journal of Fluid Mechanics, 2021, 929, .	1.4	2
11	Efficient FSI solvers for multiple-degrees-of-freedom flow-induced vibration of a rigid body. Computers and Fluids, 2020, 196, 104340.	1.3	8
12	Vortex dynamics and vibration modes of a tethered sphere. Journal of Fluid Mechanics, 2020, 885, .	1.4	12
13	Direct numerical simulation of a counter-rotating vortex pair interacting with a wall. Journal of Fluid Mechanics, 2020, 884, .	1.4	7
14	Effects of flapping-motion profiles on insect-wing aerodynamics. Journal of Fluid Mechanics, 2020, 884, .	1.4	19
15	Optimal growth of counter-rotating vortex pairs interacting with walls. Journal of Fluid Mechanics, 2020, 904, .	1.4	2
16	Wake dynamics and flow-induced vibration of a freely rolling cylinder. Journal of Fluid Mechanics, 2020, 903, .	1.4	5
17	Vorticity generation and conservation for two-dimensional interfaces and boundaries - ERRATUM. Journal of Fluid Mechanics, 2020, 896, .	1.4	1
18	The generation and conservation of vorticity: deforming interfaces and boundaries in two-dimensional flows. Journal of Fluid Mechanics, 2020, 890, .	1.4	23

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19	Flow-induced vibration of a cube orientated at different incidence angles. Journal of Fluids and Structures, 2019, 91, 102701.	1.5	2
20	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.	1.5	8
21	Large amplitude cross-stream sphere vibration generated by applied rotational oscillation. Journal of Fluids and Structures, 2019, 89, 156-165.	1.5	4
22	Evolutionary shape optimisation enhances the lift coefficient of rotating wing geometries. Journal of Fluid Mechanics, 2019, 868, 369-384.	1.4	12
23	An experimental investigation of flow-induced vibration of high-side-ratio rectangular cylinders. Journal of Fluids and Structures, 2019, 91, 102580.	1.5	23
24	Dynamic response of elliptical cylinders undergoing transverse flow-induced vibration. Journal of Fluids and Structures, 2019, 89, 123-131.	1.5	18
25	Aspect ratio studies on insect wings. Physics of Fluids, 2019, 31, .	1.6	32
26	Uncoupling the effects of aspect ratio, Reynolds number and Rossby number on a rotating insect-wing platform. Journal of Fluid Mechanics, 2019, 859, 921-948.	1.4	37
27	Vortex-induced vibration of a rotating sphere. Journal of Fluid Mechanics, 2018, 837, 258-292.	1.4	45
28	Transverse flow-induced vibrations of a sphere. Journal of Fluid Mechanics, 2018, 837, 931-966.	1.4	28
29	The leading-edge vortex on a rotating wing changes markedly beyond a certain central body size. Royal Society Open Science, 2018, 5, 172197.	1.1	16
30	The effect of imposed rotary oscillation on the flow-induced vibration of a sphere. Journal of Fluid Mechanics, 2018, 855, 703-735.	1.4	12
31	Experimental investigation of in-line flow-induced vibration of a rotating circular cylinder. Journal of Fluid Mechanics, 2018, 847, 664-699.	1.4	37
32	Vortex-induced vibrations of a sphere close to a free surface. Journal of Fluid Mechanics, 2018, 846, 1023-1058.	1.4	23
33	Vortex-induced vibration of a transversely rotating sphere. Journal of Fluid Mechanics, 2018, 847, 786-820.	1.4	19
34	Flow-induced vibration of D-section cylinders: an afterbody is not essential for vortex-induced vibration. Journal of Fluid Mechanics, 2018, 851, 317-343.	1.4	56
35	The wake and thrust by four side-by-side cylinders at a low Re. Journal of Fluids and Structures, 2017, 70, 131-144.	1.5	30
36	Effect of lactate and pH on mouse pluripotent stem cells: Importance of media analysis. Biochemical Engineering Journal, 2017, 118, 25-33.	1.8	22

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37	Three-dimensionality of elliptical cylinder wakes at low angles of incidence. <i>Journal of Fluid Mechanics</i> , 2017, 825, 245-283.	1.4	14
38	Two- and three-dimensional wake transitions of an impulsively started uniformly rolling circular cylinder. <i>Journal of Fluid Mechanics</i> , 2017, 826, 32-59.	1.4	6
39	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.	0.7	40
40	A universal three-dimensional instability of the wakes of two-dimensional bluff bodies. <i>Journal of Fluid Mechanics</i> , 2016, 792, 50-66.	1.4	6
41	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.	0.2	0
42	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.	2.6	13
43	Bioreducible PEI-functionalized glycol chitosan: A novel gene vector with reduced cytotoxicity and improved transfection efficiency. <i>Carbohydrate Polymers</i> , 2016, 153, 160-168.	5.1	46
44	Microfluidic Manipulation of Core/Shell Nanoparticles for Oral Delivery of Chemotherapeutics: A New Treatment Approach for Colorectal Cancer. <i>Advanced Materials</i> , 2016, 28, 4134-4141.	11.1	74
45	Flow past a rotating cylinder translating at different gap heights along a wall. <i>Journal of Fluids and Structures</i> , 2015, 57, 314-330.	1.5	34
46	A study of the geometry and parameter dependence of vortex breakdown. <i>Physics of Fluids</i> , 2015, 27, 044102.	1.6	11
47	The influence of a small upstream wire on transition in a rotating cylinder wake. <i>Journal of Fluid Mechanics</i> , 2015, 769, .	1.4	6
48	Large deformations of elastic vessels under atherosclerotic conditions. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
49	A review of the developments of characteristics of PEI derivatives for gene delivery applications. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	108
50	Myocardial infarction: stem cell transplantation for cardiac regeneration. <i>Regenerative Medicine</i> , 2015, 10, 1025-1043.	0.8	38
51	A review of rotating cylinder wake transitions. <i>Journal of Fluids and Structures</i> , 2015, 53, 2-14.	1.5	77
52	Cardiogenesis of Embryonic Stem Cells with Liquid Marble Microfluidic Bioreactor. <i>Advanced Healthcare Materials</i> , 2015, 4, 77-86.	3.9	88
53	Flow Characterization of a Spinner Flask for Induced Pluripotent Stem Cell Culture Application. <i>PLoS ONE</i> , 2014, 9, e106493.	1.1	66
54	Experimental Characterisation of Fluid Mechanics in a Spinner Flask Bioreactor. <i>Processes</i> , 2014, 2, 753-772.	1.3	23

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55	Vorticity generation and conservation for two-dimensional interfaces and boundaries. <i>Journal of Fluid Mechanics</i> , 2014, 758, 63-93.	1.4	47
56	Development of dual-triggered <i>in situ</i> gelling scaffolds for tissue engineering. <i>Polymer International</i> , 2014, 63, 1593-1599.	1.6	4
57	Control of confined vortex breakdown with partial rotating lids. <i>Journal of Fluid Mechanics</i> , 2014, 738, 5-33.	1.4	18
58	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.	1.9	25
59	Unsteady separation in fluid-structure interaction". <i>Journal of Fluids and Structures</i> , 2014, 47, 1.	1.5	0
60	Three-dimensional numerical simulation of blood flow in mouse aortic arch around atherosclerotic plaques. <i>Applied Mathematical Modelling</i> , 2014, 38, 4175-4185.	2.2	25
61	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.	1.4	98
62	The flow past a circular cylinder translating at different heights above a wall. <i>Journal of Fluids and Structures</i> , 2013, 41, 9-21.	1.5	77
63	Dynamics and stability of the wake behind tandem cylinders sliding along a wall. <i>Journal of Fluid Mechanics</i> , 2013, 722, 291-316.	1.4	16
64	Three-dimensionality in the wake of a rapidly rotating cylinder in uniform flow. <i>Journal of Fluid Mechanics</i> , 2013, 730, 379-391.	1.4	47
65	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.	2.9	31
66	Vortex-induced vibration of a neutrally buoyant tethered sphere. <i>Journal of Fluid Mechanics</i> , 2013, 719, 97-128.	1.4	33
67	Mixing in a vortex breakdown flow. <i>Journal of Fluid Mechanics</i> , 2013, 731, 195-222.	1.4	9
68	Three-dimensionality in the wake of a rotating cylinder in a uniform flow. <i>Journal of Fluid Mechanics</i> , 2013, 717, 1-29.	1.4	71
69	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.	1.7	14
70	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, .	1.6	21
71	Experimental evidence of new three-dimensional modes in the wake of a rotating cylinder. <i>Journal of Fluid Mechanics</i> , 2013, 734, 567-594.	1.4	44
72	Effect of small asymmetries on axisymmetric stenotic flow. <i>Journal of Fluid Mechanics</i> , 2013, 721, .	1.4	30

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73	Optimisation of a Stirred Bioreactor through the Use of a Novel Holographic Correlation Velocimetry Flow Measurement Technique. PLoS ONE, 2013, 8, e65714.	1.1	9
74	Editorial (Hot Topic: Biomedical Engineering Imaging). Current Pharmaceutical Biotechnology, 2012, 13, 2103-2103.	0.9	1
75	Transition to chaos in the wake of a rolling sphere. Journal of Fluid Mechanics, 2012, 695, 135-148.	1.4	18
76	Altered Lung Motion is a Sensitive Indicator of Regional Lung Disease. Annals of Biomedical Engineering, 2012, 40, 1160-1169.	1.3	56
77	Computed tomographic X-ray velocimetry for simultaneous 3D measurement of velocity and geometry in opaque vessels. Experiments in Fluids, 2012, 52, 543-554.	1.1	21
78	Optimisation of temporal averaging processes in PIV. Experiments in Fluids, 2012, 52, 617-631.	1.1	17
79	Biomedical Engineering Imaging. Current Pharmaceutical Biotechnology, 2012, , .	0.9	0
80	Experiments on the elliptic instability in vortex pairs with axial core flow. Journal of Fluid Mechanics, 2011, 677, 383-416.	1.4	33
81	Dynamics of the flow around colliding spheres. Journal of Fluids and Structures, 2011, 27, 1349-1356.	1.5	2
82	X-ray Velocimetry and Haemodynamic Forces Within a Stenosed Femoral Model at Physiological Flow Rates. Annals of Biomedical Engineering, 2011, 39, 1643-1653.	1.3	27
83	Power-Spectral density estimate of the Bloor-Gerrard instability in flows around circular cylinders. Experiments in Fluids, 2011, 50, 527-534.	1.1	7
84	Experimental study of simultaneous measurement of velocity and surface topography: in the wake of a circular cylinder at low Reynolds number. Experiments in Fluids, 2011, 50, 587-595.	1.1	16
85	Application of Particle Image Velocimetry and Reference Image Topography to jet shock cells using the hydraulic analogy. Experiments in Fluids, 2011, 51, 543-551.	1.1	3
86	Vortex shedding and three-dimensional behaviour of flow past a cylinder confined in a channel. Journal of Fluids and Structures, 2011, 27, 855-860.	1.5	61
87	Wake transition of a rolling sphere. Journal of Visualization, 2011, 14, 1-2.	1.1	11
88	Flows past rotating cylinders next to a wall. Journal of Fluids and Structures, 2011, 27, 668-679.	1.5	49
89	Experimental control of vortex breakdown by density effects. Physics of Fluids, 2011, 23, .	1.6	18
90	Convective instability in steady stenotic flow: optimal transient growth and experimental observation. Journal of Fluid Mechanics, 2010, 655, 504-514.	1.4	20

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91	Computed tomographic x-ray velocimetry. Applied Physics Letters, 2010, 96, .	1.5	52
92	Surface topography of jet shock cells in a hydraulic analogy. Journal of Visualization, 2010, 13, 175-176.	1.1	3
93	Computed Tomographic X-ray Velocimetry. , 2010, , .		1
94	Numerical and experimental studies of the rolling sphere wake. Journal of Fluid Mechanics, 2010, 643, 137-162.	1.4	37
95	The wake behind a cylinder rolling on a wall at varying rotation rates. Journal of Fluid Mechanics, 2010, 648, 225-256.	1.4	44
96	A numerical study of global frequency selection in the time-mean wake of a circular cylinder. Journal of Fluid Mechanics, 2010, 645, 435-446.	1.4	29
97	Volumetric correlation PIV: a new technique for 3D velocity vector field measurement. Experiments in Fluids, 2009, 47, 569-577.	1.1	30
98	INTRODUCTION. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 192-193.	0.9	2
99	ENGINEERING IMAGING: USING PARTICLE IMAGE VELOCIMETRY TO SEE PHYSIOLOGY IN A NEW LIGHT. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 238-247.	0.9	15
100	Motion of a Möbius band in free fall. Journal of Fluids and Structures, 2009, 25, 687-696.	1.5	3
101	The past, present, and future of x-ray technology for <i>in vivo</i> imaging of function and form. Journal of Applied Physics, 2009, 105, .	1.1	72
102	Simulation of the control of vortex breakdown in a closed cylinder using a small rotating disk. Physics of Fluids, 2009, 21, .	1.6	18
103	Dye visualization near a three-dimensional stagnation point: application to the vortex breakdown bubble. Journal of Fluid Mechanics, 2009, 622, 177-194.	1.4	14
104	Pulsatile flow in stenotic geometries: flow behaviour and stability. Journal of Fluid Mechanics, 2009, 622, 291-320.	1.4	27
105	Vortex Dynamics Associated with the Impact of a Cylinder with a Wall. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 235-242.	0.1	1
106	Modelling the Transport of Momentum and Oxygen in an Aerial-Disk Driven Bioreactor Used for Animal Tissue or Cell Culture. IFMBE Proceedings, 2009, , 1672-1675.	0.2	19
107	Modification of the Flow Structures in a Swirling Jet. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 243-253.	0.1	1
108	Target-free Stereo PIV: a novel technique with inherent error estimation and improved accuracy. Experiments in Fluids, 2008, 44, 317-329.	1.1	79

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109	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.	1.5	24
110	Control of vortex breakdown in a closed cylinder with a small rotating rod. <i>Journal of Fluids and Structures</i> , 2008, 24, 1278-1283.	1.5	23
111	Unsteady flow around impacting bluff bodies. <i>Journal of Fluids and Structures</i> , 2008, 24, 1194-1203.	1.5	7
112	Global frequency selection in the observed time-mean wakes of circular cylinders. <i>Journal of Fluid Mechanics</i> , 2008, 601, 425-441.	1.4	21
113	Flow normal to a short cylinder with hemispherical ends. <i>Physics of Fluids</i> , 2008, 20, .	1.6	6
114	Wake formation behind a rolling sphere. <i>Physics of Fluids</i> , 2008, 20, .	1.6	8
115	Steady inlet flow in stenotic geometries: convective and absolute instabilities. <i>Journal of Fluid Mechanics</i> , 2008, 616, 111-133.	1.4	47
116	Hydraulic Analogy Study of Supersonic Rectangular-Jet Screech Control with Cylinders. <i>AIAA Journal</i> , 2007, 45, 1539-1545.	1.5	7
117	Flow around an impulsively arrested circular cylinder. <i>Physics of Fluids</i> , 2007, 19, .	1.6	34
118	Three-dimensional synchrotron x-ray particle image velocimetry. <i>Journal of Applied Physics</i> , 2007, 102, 064916.	1.1	62
119	Low Reynolds number instabilities and transitions in bluff body wakes. <i>Journal of Physics: Conference Series</i> , 2007, 64, 012018.	0.3	6
120	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.	1.4	17
121	Three-dimensional transition in the wake of a transversely oscillating cylinder. <i>Journal of Fluid Mechanics</i> , 2007, 577, 79-104.	1.4	102
122	Wake behaviour and instability of flow through a partially blocked channel. <i>Journal of Fluid Mechanics</i> , 2007, 582, 319-340.	1.4	36
123	Sphere-wall collisions: vortex dynamics and stability. <i>Journal of Fluid Mechanics</i> , 2007, 575, 121-148.	1.4	42
124	A Bioreactor Model of Mouse Tumor Progression. <i>Journal of Biomedicine and Biotechnology</i> , 2007, 1-9.	3.0	15
125	A simple calibration technique for stereoscopic particle image velocimetry. <i>Experiments in Fluids</i> , 2007, 42, 799-810.	1.1	25
126	Experimental investigation of fluid dynamic instability in a transonic cavity flow. <i>Experimental Thermal and Fluid Science</i> , 2007, 31, 333-347.	1.5	10

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127	Hydrodynamics of a particle impact on a wall. Applied Mathematical Modelling, 2006, 30, 1356-1369.	2.2	62
128	Predicting vortex-induced vibration from driven oscillation results. Applied Mathematical Modelling, 2006, 30, 1096-1102.	2.2	22
129	Sound generated in laminar flow past a two-dimensional rectangular cylinder. Journal of Sound and Vibration, 2006, 295, 407-427.	2.1	28
130	The beginning of branching behaviour of vortex-induced vibration during two-dimensional flow. Journal of Fluids and Structures, 2006, 22, 857-864.	1.5	126
131	Wake transition of two-dimensional cylinders and axisymmetric bluff bodies. Journal of Fluids and Structures, 2006, 22, 793-806.	1.5	53
132	Instability of the flow around an impacting sphere. Journal of Fluids and Structures, 2006, 22, 961-971.	1.5	14
133	Flow dynamics and forces associated with a cylinder rolling along a wall. Physics of Fluids, 2006, 18, 111701.	1.6	24
134	An improved, free surface, topographic technique. Journal of Visualization, 2006, 9, 49-56.	1.1	20
135	A fluid dynamics approach to bioreactor design for cell and tissue culture. Biotechnology and Bioengineering, 2006, 94, 1196-1208.	1.7	73
136	Response of unconfined vortex breakdown to axial pulsing. Physics of Fluids, 2006, 18, 038102.	1.6	30
137	Wake state and energy transitions of an oscillating cylinder at low Reynolds number. Physics of Fluids, 2006, 18, 067101.	1.6	97
138	Evaluating fluid forces on bluff bodies using partial velocity data. Journal of Fluids and Structures, 2005, 20, 5-24.	1.5	14
139	The shear-layer instability of a circular cylinder wake. Physics of Fluids, 2005, 17, 021702.	1.6	42
140	Wake of forced flow around elliptical leading edge plates. Journal of Fluids and Structures, 2005, 20, 157-176.	1.5	7
141	Variation in the critical mass ratio of a freely oscillating cylinder as a function of Reynolds number. Physics of Fluids, 2005, 17, 038106.	1.6	19
142	Subharmonic mechanism of the mode C instability. Physics of Fluids, 2005, 17, 111702.	1.6	25
143	Prediction of Flutter of Turbine Blades in a Transonic Annular Cascade. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 1053-1058.	0.8	27
144	Sound Generated by a Pair of Axisymmetric viscous Coaxial Vortex Rings.. AIAA Journal, 2005, 43, 326-336.	1.5	6

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145	Three-dimensional transition in the wake of bluff elongated cylinders. <i>Journal of Fluid Mechanics</i> , 2005, 538, 1.	1.4	88
146	Flow past a cylinder close to a free surface. <i>Journal of Fluid Mechanics</i> , 2005, 533, .	1.4	106
147	The evolution of a subharmonic mode in a vortex street. <i>Journal of Fluid Mechanics</i> , 2005, 534, 23-38.	1.4	32
148	Computations of the drag coefficients for low-Reynolds-number flow past rings. <i>Journal of Fluid Mechanics</i> , 2005, 526, 257-275.	1.4	57
149	Confined flow vortex breakdown control using a small rotating disk. <i>Physics of Fluids</i> , 2004, 16, 4750-4753.	1.6	27
150	Vortex dynamics associated with the collision of a sphere with a wall. <i>Physics of Fluids</i> , 2004, 16, L74-L77.	1.6	33
151	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.	1.2	19
152	Predicted low frequency structures in the wake of elliptical cylinders. <i>European Journal of Mechanics, B/Fluids</i> , 2004, 23, 229-239.	1.2	51
153	Flow-induced vibrations of a tethered circular cylinder. <i>Journal of Fluids and Structures</i> , 2004, 19, 1085-1102.	1.5	22
154	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.	1.2	2
155	Flow past rectangular cylinders: receptivity to transverse forcing. <i>Journal of Fluid Mechanics</i> , 2004, 515, 33-62.	1.4	37
156	From spheres to circular cylinders: non-axisymmetric transitions in the flow past rings. <i>Journal of Fluid Mechanics</i> , 2004, 506, 45-78.	1.4	70
157	Control of Vortex Breakdown in a Torsionally Driven Closed Cylinder by Addition of Swirl Using a Small Disk. , 2004, , 289.		0
158	The Unsteady Wake of a Circular Cylinder near a Free Surface. <i>Flow, Turbulence and Combustion</i> , 2003, 71, 347-359.	1.4	20
159	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.	1.5	28
160	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.	1.4	40
161	From spheres to circular cylinders: the stability and flow structures of bluff ring wakes. <i>Journal of Fluid Mechanics</i> , 2003, 492, 147-180.	1.4	109
162	Particle image velocimetry and visualization of natural and forced flow around rectangular cylinders. <i>Journal of Fluid Mechanics</i> , 2003, 478, 299-323.	1.4	62

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163	A coupled Landau model describing the Strouhalâ€œReynolds number profile of a three-dimensional circular cylinder wake. <i>Physics of Fluids</i> , 2003, 15, L68-L71.	1.6	26
164	Numerical Prediction of Flow Instabilities and Aeroelastic Effects. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2003, , 87-100.	0.2	0
165	The Effect of Changed Mass Ratio on the Motion of a Tethered Cylinder. <i>Fluid Mechanics and Its Applications</i> , 2003, , 135-144.	0.1	0
166	Simulations of Aeroelasticity in an Annular Cascade Using a Parallel 3-Dimensional Navier-Stokes Solver. , 2002, , 393.		4
167	Response of base suction and vortex shedding from rectangular prisms to transverse forcing. <i>Journal of Fluid Mechanics</i> , 2002, 461, 25-49.	1.4	55
168	Numerical Simulations of the Flow-Induced Vibrations of Tethered Bluff Bodies. , 2002, , .		2
169	SELF-SUSTAINED OSCILLATIONS IN FLOWS AROUND LONG BLUNT PLATES. <i>Journal of Fluids and Structures</i> , 2001, 15, 387-398.	1.5	110
170	Flow past a cylinder near a free surface. , 1999, , .		0
171	Azimuthal vorticity dynamics in the torsionally driven cylinder. , 1999, , .		1
172	Smooth particle hydrodynamics simulation of surface coating. <i>Applied Mathematical Modelling</i> , 1998, 22, 1037-1046.	2.2	3
173	Chaotic mixing simulations. <i>Applied Mathematical Modelling</i> , 1998, 22, 1047-1057.	2.2	0
174	The response of the separated shear layer from a cylinder to acoustic perturbations. , 1997, , .		1
175	Three-dimensional vortex structures in a cylinder wake. <i>Journal of Fluid Mechanics</i> , 1996, 312, 201-222.	1.4	83
176	The feedback loop in impinging two-dimensional high-subsonic and supersonic jets. <i>Experimental Thermal and Fluid Science</i> , 1996, 12, 265-270.	1.5	8
177	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.	1.5	36
178	Three-dimensional instabilities in the wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 1996, 12, 190-196.	1.5	204
179	Spiral streaklines in preâ€œvortex breakdown regions of axisymmetric swirling flows. <i>Physics of Fluids</i> , 1995, 7, 3126-3128.	1.6	26
180	Longitudinal vortex structures in a cylinder wake. <i>Physics of Fluids</i> , 1994, 6, 2883-2885.	1.6	27

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181	Experimental investigation of vortex shedding from a plate: effect of external velocity perturbation. Journal of Wind Engineering and Industrial Aerodynamics, 1993, 49, 401-410.	1.7	3
182	Base pressure coefficients for flows around rectangular plates. Journal of Wind Engineering and Industrial Aerodynamics, 1993, 49, 311-318.	1.7	10
183	Coupling of Vortex Shedding with the Fundamental Resonant Mode of a Resonator Tube. Noise Control Engineering Journal, 1993, 41, 331.	0.2	5
184	Control of Wake Formation and Base Pressure by Transverse Perturbations. , 1993, , 85-88.		0
185	Acoustic sources in a tripped flow past a resonator tube. AIAA Journal, 1992, 30, 1484-1491.	1.5	24
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