## Charles H K Williamson

## List of Publications by Year

 in descending orderSource: https:/|exaly.com/author-pdf/2627802/publications.pdf
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12

2 Dynamics and Instabilities of Vortex Pairs. Annual Review of Fluid Mechanics, 2016, 48, 507-541.
Direct measurement of thrust and efficiency of an airfoil undergoing pure pitching. Journal of Fluid
Mechanics, 2015, 765,524-543.

4 Current blockage experiments: force time histories on obstacle arrays in combined steady and
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oscillatory motion. Journal of Fluid Mechanics, 2014, 739, 143-178.

Double laminar and turbulent meteor trails observed in space and simulated in the laboratory.
$5 \quad \begin{aligned} & \text { Double laminar and turbulent meteor trails observed in space and simulate } \\ & \text { Journal of Geophysical Research: Space Physics, 2013, 118, 3622-3625. }\end{aligned}$
$0.8 \quad 7$

Computing Steady Vortex Flows of Prescribed Topology. Procedia IUTAM, 2013, 7, 67-76.
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Instability of secondary vortices generated by a vortex pair in ground effect. Journal of Fluid

Mechanics, 2012, 700, 148-186. | Determining the stability of steady two-dimensional flows through imperfect velocity-impulse |
| :--- |
| diagrams. Journal of Fluid Mechanics, 2012, 706, 323-350. |

9 Structure and stability of the finite-area von $K \tilde{A}_{j} r m A \tilde{A}_{j} n$ street. Physics of Fluids, 2012, 24,
8

14 Experiments on long-wavelength instability and reconnection of a vortex pair. Physics of Fluids, 2011, 23,

28 Dynamics of a rising and falling cylinder. Journal of Fluids and Structures, 2006, 22, 837-843. ..... 1.5 ..... 27
29 Vortex-induced vibrations of a pivoted cylinder. Journal of Fluid Mechanics, 2005, 522, 215-252.

| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 37 | MULTIPLE MODES OF VORTEX-INDUCED VIBRATION OF A SPHERE. Journal of Fluids and Structures, 2001, 15, 555-563. | 1.5 | 58 |
| 38 | MEAN AND FLUCTUATING VELOCITY FIELDS IN THE WAKE OF A FREELY-VIBRATING CYLINDER. Journal of Fluids and Structures, 2001, 15, 489-501. | 1.5 | 55 |
| 39 | VORTEX-INDUCED VIBRATION OF A FLEXIBLE CANTILEVER. Journal of Fluids and Structures, 2001, 15, 651-658. | 1.5 | 74 |
| 40 | THE PHYSICAL MECHANISM OF TRANSITION IN BLUFF BODY WAKES. Journal of Fluids and Structures, 2001, 15, 607-616. | 1.5 | 130 |
| 41 | Modes of vortex formation and frequency response of a freely vibrating cylinder. Journal of Fluid Mechanics, 2000, 420, 85-130. | 1.4 | 758 |
| 42 | MOTIONS, FORCES AND MODE TRANSITIONS IN VORTEX-INDUCED VIBRATIONS AT LOW MASS-DAMPING. Journal of Fluids and Structures, 1999, 13, 813-851. | 1.5 | 901 |
| 43 | A SERIES IN 1/â^šRe TO REPRESENT THE STROUHALâ€"REYNOLDS NUMBER RELATIONSHIP OF THE CYLINDER WAKE. Journal of Fluids and Structures, 1998, 12, 1073-1085. | 1.5 | 188 |
| 44 | Cooperative elliptic instability of a vortex pair. Journal of Fluid Mechanics, 1998, 360, 85-119. | 1.4 | 284 |
| 45 | Cell Formation in Cylinder Wakes at Low Reynolds Numbers. Physical Review Letters, 1997, 78, 1259-1262. | 2.9 | 10 |
| 46 | The instability of the shear layer separating from a bluff body. Journal of Fluid Mechanics, 1997, 333, 375-402. | 1.4 | 369 |
| 47 | Three-dimensional effects in turbulent bluff-body wakes. Journal of Fluid Mechanics, 1997, 343, 235-265. | 1.4 | 93 |
| 48 | Turbulent structures in the trailing vortex wake of a delta wing. Experimental Thermal and Fluid Science, 1997, 14, 2-8. | 1.5 | 5 |
| 49 | DYNAMICS AND FORCING OF A TETHERED SPHERE IN A FLUID FLOW. Journal of Fluids and Structures, 1997, 11, 293-305. | 1.5 | 80 |

FLUID FORCES AND DYNAMICS OF A HYDROELASTIC STRUCTURE WITH VERY LOW MASS AND DAMPING.
Journal of Fluids and Structures, 1997, 11, 973-982.

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51 The instability of the separated shear layer from a bluff body. Physics of Fluids, 1996, 8, 1347-1349. 4.6

52 Three-dimensional wake transition. Journal of Fluid Mechanics, 1996, 328, 345-407.
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## DYNAMICS OF A HYDROELASTIC CYLINDER WITH VERY LOW MASS AND DAMPING. Journal of Fluids and <br> Structures, 1996, 10, 455-472.

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Three-dimensional vortex dynamics in bluff body wakes. Experimental Thermal and Fluid Science, 1996,

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\begin{aligned}
& \text { A new mechanism for oblique wave resonance in the } \hat{a} €^{\sim} \text { naturalâ } €^{T M} \text { far wake. Journal of Fluid Mechanics, } \\
& 1993,256,269-313 \text {. }
\end{aligned}
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The existence of two stag
Fluids, 1988, 31, 3165.

Defining a universal and continuous Strouhalâ€"Reynolds number relationship for the laminar vortex
shedding of a circular cylinder. Physics of Fluids, 1988, $31,2742$.

