

# Chk Williamson

## List of Publications by Year in descending order

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27  
papers

6,707  
citations

304368

22  
h-index

525886

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1968  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Effect of hybrid-heave motions on the propulsive performance of an oscillating airfoil. Journal of Fluids and Structures, 2019, 89, 203-218.  | 1.5  | 7         |
| 2  | On the Morison hydrodynamic forces on perforated flat plates in combined steady, low frequency and high frequency motion. Journal of Fluids and Structures, 2018, 81, 514-527.        | 1.5  | 4         |
| 3  | Cylinder loading in transient motion representing flow under a wave group. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2009, 465, 1467-1488. | 1.0  | 3         |
| 4  | Fluid forcing, wake modes, and transitions for a cylinder undergoing controlled oscillations. Journal of Fluids and Structures, 2009, 25, 697-712.                                    | 1.5  | 77        |
| 5  | A brief review of recent results in vortex-induced vibrations. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 713-735.  | 1.7  | 526       |
| 6  | The effect of end conditions on the vortex-induced vibration of cylinders. Journal of Fluids and Structures, 2008, 24, 1227-1239.   | 1.5  | 83        |
| 7  | Employing controlled vibrations to predict fluid forces on a cylinder undergoing vortex-induced vibration. Journal of Fluids and Structures, 2006, 22, 877-884.                       | 1.5  | 29        |
| 8  | Dynamics of a rising and falling cylinder. Journal of Fluids and Structures, 2006, 22, 837-843.   | 1.5  | 27        |
| 9  | Critical mass in vortex-induced vibration of a cylinder. European Journal of Mechanics, B/Fluids, 2004, 23, 17-27.  | 1.2  | 46        |
| 10 | Wake states and response branches of forced and freely oscillating cylinders. European Journal of Mechanics, B/Fluids, 2004, 23, 89-97.   | 1.2  | 30        |
| 11 | A high-amplitude 2T mode of vortex-induced vibration for a light body in motion. European Journal of Mechanics, B/Fluids, 2004, 23, 107-114.  | 1.2  | 78        |
| 12 | VORTEX-INDUCED VIBRATIONS. Annual Review of Fluid Mechanics, 2004, 36, 413-455.   | 10.8 | 1,890     |
| 13 | Vortex-induced vibration of a cylinder with two degrees of freedom. Journal of Fluids and Structures, 2003, 17, 1035-1042.  | 1.5  | 194       |
| 14 | A COMPLEMENTARY NUMERICAL AND PHYSICAL INVESTIGATION OF VORTEX-INDUCED VIBRATION. Journal of Fluids and Structures, 2001, 15, 481-488.  | 1.5  | 109       |
| 15 | MULTIPLE MODES OF VORTEX-INDUCED VIBRATION OF A SPHERE. Journal of Fluids and Structures, 2001, 15, 555-563.  | 1.5  | 58        |
| 16 | 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        |
| 17 | VORTEX-INDUCED VIBRATION OF A FLEXIBLE CANTILEVER. Journal of Fluids and Structures, 2001, 15, 651-658.   | 1.5  | 74        |
| 18 | THE PHYSICAL MECHANISM OF TRANSITION IN BLUFF BODY WAKES. Journal of Fluids and Structures, 2001, 15, 607-616.  | 1.5  | 130       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | 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       |
| 20 | Three-dimensional instabilities in wake transition. European Journal of Mechanics, B/Fluids, 1998, 17, 571-586.                              | 1.2 | 101       |
| 21 | Vortex-induced motions of a tethered sphere. Journal of Wind Engineering and Industrial Aerodynamics, 1997, 69-71, 375-385.                  | 1.7 | 73        |
| 22 | DYNAMICS AND FORCING OF A TETHERED SPHERE IN A FLUID FLOW. Journal of Fluids and Structures, 1997, 11, 293-305.                              | 1.5 | 80        |
| 23 | FLUID FORCES AND DYNAMICS OF A HYDROELASTIC STRUCTURE WITH VERY LOW MASS AND DAMPING. Journal of Fluids and Structures, 1997, 11, 973-982.   | 1.5 | 331       |
| 24 | DYNAMICS OF A HYDROELASTIC CYLINDER WITH VERY LOW MASS AND DAMPING. Journal of Fluids and Structures, 1996, 10, 455-472.                     | 1.5 | 494       |
| 25 | Vortex formation in the wake of an oscillating cylinder. Journal of Fluids and Structures, 1988, 2, 355-381.                                 | 1.5 | 1,278     |
| 26 | Fluid forces on a small cylinder in the presence of a large cylinder in relative oscillatory flow. Applied Ocean Research, 1985, 7, 124-127. | 1.8 | 9         |
| 27 | In-line response of a cylinder in oscillatory flow. Applied Ocean Research, 1985, 7, 97-106.   | 1.8 | 20        |