Chk Williamson

List of Publications by Year
in descending order

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27 papers	6,707 citations	304743 22 h-index	526287 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.	3.4	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.	3.4	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.	2.1	3
4	Fluid forcing, wake modes, and transitions for a cylinder undergoing controlled oscillations. Journal of Fluids and Structures, 2009, 25, 697-712.	3.4	77
5	A brief review of recent results in vortex-induced vibrations. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 713-735.	3.9	526
6	The effect of end conditions on the vortex-induced vibration of cylinders. Journal of Fluids and Structures, 2008, 24, 1227-1239.	3.4	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.	3.4	29
8	Dynamics of a rising and falling cylinder. Journal of Fluids and Structures, 2006, 22, 837-843.	3.4	27
9	Critical mass in vortex-induced vibration of a cylinder. European Journal of Mechanics, B/Fluids, 2004, 23, 17-27.	2.5	46
10	Wake states and response branches of forced and freely oscillatingÂcylinders. European Journal of Mechanics, B/Fluids, 2004, 23, 89-97.	2.5	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.	2.5	78
12	VORTEX-INDUCED VIBRATIONS. Annual Review of Fluid Mechanics, 2004, 36, 413-455.	25.0	1,890
13	Vortex-induced vibration of a cylinder with two degrees of freedom. Journal of Fluids and Structures, 2003, 17, 1035-1042.	3.4	194
14	A COMPLEMENTARY NUMERICAL AND PHYSICAL INVESTIGATION OF VORTEX-INDUCED VIBRATION. Journal of Fluids and Structures, 2001, 15, 481-488.	3.4	109
15	MULTIPLE MODES OF VORTEX-INDUCED VIBRATION OF A SPHERE. Journal of Fluids and Structures, 2001, 15, 555-563.	3.4	58
16	MEAN AND FLUCTUATING VELOCITY FIELDS IN THE WAKE OF A FREELY-VIBRATING CYLINDER. Journal of Fluids and Structures, 2001, 15, 489-501.	3.4	55
17	VORTEX-INDUCED VIBRATION OF A FLEXIBLE CANTILEVER. Journal of Fluids and Structures, 2001, 15, 651-658.	3.4	74
18	THE PHYSICAL MECHANISM OF TRANSITION IN BLUFF BODY WAKES. Journal of Fluids and Structures, 2001, 15, 607-616.	3.4	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.	3.4	901
20	Three-dimensional instabilities in wake transition. European Journal of Mechanics, B/Fluids, 1998, 17, 571-586.	2.5	101
21	Vortex-induced motions of a tethered sphere. Journal of Wind Engineering and Industrial Aerodynamics, 1997, 69-71, 375-385.	3.9	73
22	DYNAMICS AND FORCING OF A TETHERED SPHERE IN A FLUID FLOW. Journal of Fluids and Structures, 1997, 11, 293-305.	3.4	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.	3.4	331
24	DYNAMICS OF A HYDROELASTIC CYLINDER WITH VERY LOW MASS AND DAMPING. Journal of Fluids and Structures, 1996, 10, 455-472.	3.4	494
25	Vortex formation in the wake of an oscillating cylinder. Journal of Fluids and Structures, 1988, 2, 355-381.	3.4	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.	4.1	9
27	In-line response of a cylinder in oscillatory flow. Applied Ocean Research, 1985, 7, 97-106.	4.1	20