Anthony Lucey

List of Publications by Year
in descending order

48	926	471509 17	454955 30
papers	citations	h-index	g-index

50	50	50	539
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Instability of a cantilevered flexible plate in viscous channel flow. Journal of Fluids and Structures, 2005, 20, 893-912.	3.4	120
2	Interaction between a cantilevered-free flexible plate and ideal flow. Journal of Fluids and Structures, 2009, 25, 544-566.	3.4	80
3	A numerical simulation of the interaction of a compliant wall and inviscid flow. Journal of Fluid Mechanics, 1992, 234, 121.	3.4	71
4	Pressure Wave Propagation in Fluid-Filled Co-Axial Elastic Tubes Part 2: Mechanisms for the Pathogenesis of Syringomyelia. Journal of Biomechanical Engineering, 2003, 125, 857-863.	1.3	59
5	Optimization of viscoelastic compliant walls for transition delay. AIAA Journal, 1994, 32, 256-267.	2.6	47
6	Progress on the Use of Compliant Walls for Laminar-Flow Control. Journal of Aircraft, 2001, 38, 504-512.	2.4	44
7	The Hydroelastic Stability of Three-Dimensional Disturbances of a Finite Compliant Wall. Journal of Sound and Vibration, 1993, 165, 527-552.	3.9	43
8	Measurement, Reconstruction, and Flow-Field Computation of the Human Pharynx With Application to Sleep Apnea. IEEE Transactions on Biomedical Engineering, 2010, 57, 2535-2548.	4.2	39
9	Pressure Wave Propagation in Fluid-Filled Co-Axial Elastic Tubes Part 1: Basic Theory. Journal of Biomechanical Engineering, 2003, 125, 852-856.	1.3	38
10	THE NONLINEAR HYDROELASTIC BEHAVIOUR OF FLEXIBLE WALLS. Journal of Fluids and Structures, 1997, 11, 717-744.	3.4	37
11	The excitation of waves on a flexible panel in a uniform flow. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1998, 356, 2999-3039.	3.4	36
12	The stability of a flexible cantilever in viscous channel flow. Journal of Sound and Vibration, 2017, 396, 186-202.	3.9	32
13	Numerical simulation of pharyngeal airflow applied to obstructive sleep apnea: effect of the nasal cavity in anatomically accurate airway models. Medical and Biological Engineering and Computing, 2015, 53, 1129-1139.	2.8	31
14	Effect of the velopharynx on intraluminal pressures in reconstructed pharynges derived from individuals with and without sleep apnea. Journal of Biomechanics, 2013, 46, 2504-2512.	2.1	28
15	Understanding interactions in face-to-face and remote undergraduate science laboratories: a literature review. Disciplinary and Interdisciplinary Science Education Research, 2019, 1, .	2.9	26
16	On the direct determination of the eigenmodes of finite flowâ€“structure systems. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2009, 465, 257-281.	2.1	22
17	Flutter of spring-mounted flexible plates in uniform flow. Journal of Fluids and Structures, 2015, 59, 370-393.	3.4	22
18	Analysis of unsteady flow effects on the Betz limit for flapping foil power generation. Journal of Fluid Mechanics, 2020, 902, .	3.4	16

#	Article	IF	Citations
19	Stability of a flexible insert in one wall of an inviscid channel flow. Journal of Fluids and Structures, 2014, 48, 435-450.	3.4	13
20	Asymptotic stability and transient growth in pulsatile Poiseuille flow through aÂcompliantÂchannel. Journal of Fluid Mechanics, 2017, 820, 370-399.	3.4	13
21	Developing an understanding of undergraduate student interactions in chemistry laboratories. Chemistry Education Research and Practice, 2018, 19, 1186-1198.	2.5	13
22	The interaction of Blasius boundary-layer flow with a compliant panel: global, local and transient analyses. Journal of Fluid Mechanics, 2017, 827, 155-193.	3.4	12
23	An alternative approach to student assessment for engineeringâ€“laboratory learning. Australasian Journal of Engineering Education, 2017, 22, 81-94.	1.4	12
24	Design and Validation of an Instrument to Measure Studentsâ€™ Interactions and Satisfaction in Undergraduate Chemistry Laboratory Classes. Research in Science Education, 2021, 51, 1039-1053.	2.3	10
25	Student perceptions of instruction sheets in face-to-face and remotely-operated engineering laboratory learning. European Journal of Engineering Education, 2020, 45, 491-515.	2.3	9
26	Fluidâ€“structure interactions in a cylindrical layered wave guide with application in the spinal column to syringomyelia. Journal of Fluids and Structures, 2017, 70, 464-499.	3.4	7
27	Flutter of structurally inhomogeneous cantilevers in laminar channel flow. Journal of Fluids and Structures, 2019, 90, 177-189.	3.4	5
28	Perceptions of the relative importance of student interactions for the attainment of engineering laboratory-learning outcomes. Australasian Journal of Engineering Education, 2020, 25, 155-164.	1.4	5
29	A STUDY OF THE HYDROELASTIC STABILITY OF A COMPLIANT PANEL USING NUMERICAL METHODS. International Journal of Numerical Methods for Heat and Fluid Flow, 1992, 2, 537-553.	2.8	4
30	Instability of a Cantilevered Flexible Plate in Viscous Channel Flow Driven by Constant Pressure Drop. , 2006, , 785.		4
31	Large-eddy simulations of a turbulent jet impinging on a vibrating heated wall. International Journal of Heat and Fluid Flow, 2017, 65, 277-298.	2.4	4
32	Particle image velocimetry and infrared thermography of turbulent jet impingement on an oscillating surface. Experimental Thermal and Fluid Science, 2018, 98, 576-593.	2.7	4
33	Large-Amplitude Oscillations of a Finite-Thickness Cantilevered Flexible Plate in Viscous Channel Flow. , 2010, , .		3
34	Reynolds Averaged and Large Eddy Computations of Flow and Heat Transfer Under Round Jet Impingement. , 2014, , .		3
35	Support services for higher degree research students: a survey of three Australian universities. European Journal of Engineering Education, 2016, 41, 469-481.	2.3	3
36	The Effects of Remote Laboratory Implementation on Freshman Engineering Students' Experience. , 0, , .		3

#	Article	IF	Citations
37	Hydroelastic Stability of a Flexible Panel: Eigen-Analysis and Time-Domain Response. , 2010, , .		2
38	A New Method for Determining the Eigenmodes of Finite Flow-Structure Systems. , 2006, , 759.		1
39	A Three Dimensional Imaging-Based Framework for Planning Maxillomandibular Advancement Surgery for the Treatment of Obstructive Sleep Apnoea. , 2013, , .		1
40	Stability of a Flexible Wall Separating Two Inviscid Channel Flows. , 2013, , .		1
41	Syringomyelia and the Fluid-Structure Interactions of a Cerebrospinal Waveguide. , 2014, , .		1
42	Flow-Induced Deformations of a Compliant Insert in Channel Flow: From Small to Large Amplitudes. , 2012, , .		0
43	Stability of Blasius Boundary-Layer Flow Interacting With a Compliant Panel. , 2014, , .		0
44	Wave Excitation on a Flexible Surface in the Presence of a Uniform Mean Flow. , 2002, , .		0
45	Instability of a Cantilevered Flexible Plate in Inviscid Channel Flow. , 2006, , .		0
46	Optimal Swimming Modes of a Homo-Sapien Performing Butterfly-Stroke Kick. , 2006, , .		0
47	Energy Production Characteristics of a Spring-Mounted Cantilevered-Free Flexible Plate in a Uniform Flow. , 2012, , .		0
48	Stability of a Cantilevered Flexible Plate with Non-uniform Thickness in Viscous Channel Flow. Lecture Notes in Mechanical Engineering, 2016, , 333-337.	0.4	0