

Randolph Chi Kin Leung

List of Publications by Year in descending order

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59
papers

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623574

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59
all docs

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docs citations

59
times ranked

459
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of networks in human resource acquisition for entrepreneurial firms: Multiple "œfit" considerations. <i>Journal of Business Venturing</i> , 2006, 21, 664-686.	4.0	124
2	One-Step Aeroacoustics Simulation Using Lattice Boltzmann Method. <i>AIAA Journal</i> , 2006, 44, 78-89.	1.5	66
3	Lattice Boltzmann Method Simulation of Aeroacoustics and Nonreflecting Boundary Conditions. <i>AIAA Journal</i> , 2007, 45, 1703-1712.	1.5	51
4	In-duct orifice and its effect on sound absorption. <i>Journal of Sound and Vibration</i> , 2007, 299, 990-1004.	2.1	37
5	The effects of road surface and tyre deterioration on tyre/road noise emission. <i>Applied Acoustics</i> , 2013, 74, 921-925.	1.7	32
6	Flow-induced vibration of elastic slender structures in a cylinder wake. <i>Journal of Fluids and Structures</i> , 2004, 19, 1061-1083.	1.5	31
7	Vortex-induced vibration effect on fatigue life estimate of turbine blades. <i>Journal of Sound and Vibration</i> , 2007, 307, 698-719.	2.1	27
8	Propagation Speed, Internal Energy, and Direct Aeroacoustics Simulation Using Lattice Boltzmann Method. <i>AIAA Journal</i> , 2006, 44, 2896-2903.	1.5	24
9	Dynamic stall behavior from unsteady force measurements. <i>Journal of Fluids and Structures</i> , 2008, 24, 129-150.	1.5	21
10	Numerical analysis of aeroacoustic-structural interaction of a flexible panel in uniform duct flow. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 3115-3126.	0.5	21
11	Validation of CE/SE Scheme in Low Mach Number Direct Aeroacoustic Simulation. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2014, 15, 157-169.	0.4	18
12	Numerical simulation of sound generation in a mixing layer by the finite difference lattice Boltzmann method. <i>Computers and Mathematics With Applications</i> , 2010, 59, 2403-2410.	1.4	17
13	Finite Difference Lattice Boltzmann Method for Compressible Thermal Fluids. <i>AIAA Journal</i> , 2010, 48, 1059-1071.	1.5	15
14	Progress in the development of a new lattice Boltzmann method. <i>Computers and Fluids</i> , 2019, 190, 440-469.	1.3	15
15	Aeroacoustics of T-junction merging flow. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 697-708.	0.5	14
16	Aeroacoustics of duct junction flows merging at different angles. <i>Journal of Sound and Vibration</i> , 2014, 333, 4187-4202.	2.1	14
17	Interaction of flow structures within bistable flow behind two circular cylinders of different diameters. <i>Experimental Thermal and Fluid Science</i> , 1996, 12, 33-44.	1.5	13
18	Aerodynamic and Structural Resonance of an Elastic Airfoil Due to Oncoming Vortices. <i>AIAA Journal</i> , 2004, 42, 899-907.	1.5	13

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19	Aeroacoustics of NACA 0018 Airfoil with a Cavity. AIAA Journal, 2018, 56, 4775-4786.	1.5	13
20	Numerical Coupling Strategy for Resolving In-Duct Elastic Panel Aeroacoustic/Structural Interaction. AIAA Journal, 2018, 56, 5033-5040.	1.5	13
21	NOISE GENERATION OF BLADEâ€™VORTEX RESONANCE. Journal of Sound and Vibration, 2001, 245, 217-237.	2.1	12
22	Modeled Boltzmann Equation and Its Application to Shock-Capturing Simulation. AIAA Journal, 2008, 46, 3038-3048.	1.5	12
23	Acoustic radiation by vortex induced flexible wall vibration. Journal of the Acoustical Society of America, 2005, 118, 2182-2189.	0.5	11
24	Comparative Study of Nonreflecting Boundary Condition for One-Step Duct Aeroacoustics Simulation. AIAA Journal, 2006, 44, 664-667.	1.5	11
25	Impact of Construction-Induced Vibration on Vibration-Sensitive Medical Equipment: A Case Study. Advances in Structural Engineering, 2014, 17, 907-920.	1.2	11
26	THE INTERACTION OF PERTURBED VORTEX RINGS AND ITS SOUND GENERATION. Journal of Sound and Vibration, 1997, 202, 1-27.	2.1	10
27	Modeled Boltzmann Equation and Its Application to Direct Aeroacoustic Simulation. AIAA Journal, 2008, 46, 1651-1662.	1.5	9
28	Effect of back cavity configuration on performance of elastic panel acoustic liner with grazing flow. Journal of Sound and Vibration, 2021, 492, 115847.	2.1	9
29	Passive airfoil tonal noise reduction by localized flow-induced vibration of an elastic panel. Aerospace Science and Technology, 2020, 107, 106319.	2.5	8
30	Passive noise control by enhancing aeroacoustic interference due to structural discontinuities in close proximity. Journal of Sound and Vibration, 2011, 330, 3316-3333.	2.1	7
31	THE INTERACTION OF PERTURBED VORTEX RINGS AND ITS SOUND GENERATION. PART II. Journal of Sound and Vibration, 1999, 228, 511-541.	2.1	6
32	Vortex sound due to a flexible boundary backed by a cavity in a low Mach number mean flow. Journal of the Acoustical Society of America, 2007, 121, 1345-1352.	0.5	6
33	Finite Difference Lattice Boltzmann Method Applied to Acoustic-Scattering Problems. AIAA Journal, 2010, 48, 354-371.	1.5	6
34	Exploring Airfoil Tonal Noise Reduction with Elastic Panel Using Perturbation Evolution Method. AIAA Journal, 2020, 58, 4958-4968.	1.5	6
35	Non-Reflecting Boundary Conditions for One-Step LBM Simulation of Aeroacoustics. , 2006, , .		5
36	A LATTICE BOLTZMANN METHOD FOR COMPUTATION OF AEROACOUSTIC INTERACTION. International Journal of Modern Physics C, 2007, 18, 463-472.	0.8	5

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37	Noise generation by open inverse diffusion flames. JVC/Journal of Vibration and Control, 2014, 20, 1671-1681.	1.5	5
38	Spatio-temporal aeroacoustic-structural responses of cavity-backed elastic panel liner exposed to grazing duct flow. Journal of Fluids and Structures, 2021, 102, 103228.	1.5	5
39	An Attempt to Calculate Acoustic Directivity Using LBM. , 2006, , .		3
40	Oscillation of second order self-conjugate differential equation with impulses. Journal of Computational and Applied Mathematics, 2006, 197, 78-88.	1.1	3
41	Recovery of Transport Coefficients in Navier-Stokes Equations from Modeled Boltzmann Equation. AIAA Journal, 2007, 45, 737-739.	1.5	3
42	Acoustic Scattering by a Localized Thermal Disturbance. AIAA Journal, 2009, 47, 2039-2052.	1.5	3
43	Leveraging Surface Aeroacoustic-Structural Interaction for Airfoil Tonal Noise Reduction – A Parametric Study. , 2019, , .		3
44	Remodelling an engineering design subject to enhance students' learning outcomes. International Journal of Technology and Design Education, 2020, 30, 799-814.	1.7	3
45	Distributed surface compliance for airfoil tonal noise reduction at various loading conditions. Physics of Fluids, 2022, 34, 046113.	1.6	3
46	Low frequency noise control in duct based on locally resonant membrane with attached resonators. JVC/Journal of Vibration and Control, 2023, 29, 2817-2828.	1.5	3
47	Validation of a Two-Dimensional Numerical Model for Vortex/Blade Interaction. , 2002, , 1169.		2
48	Confinement Effects on Flows Past an In-Duct Rectangular Bluff Body with Semi-Circular Leading Edge. AIP Conference Proceedings, 2011, , .	0.3	2
49	A Numerical Methodology for Resolving Aeroacoustic-Structural Response of Flexible Panel. , 2015, , 321-342.		2
50	Interaction and acoustics of separated flows from a D-shaped bluff body. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, ahead-of-print, .	1.6	2
51	Unsteady Flow Dynamics and Acoustics of Two-Outlet Centrifugal Fan Design. , 2011, , .		1
52	Numerical Study of Nonlinear Fluid-Structure Interaction of an Excited Panel in Viscous Flow. , 2019, , 253-269.		1
53	Coupled structural resonance of elastic panels for suppression of airfoil tonal noise. Journal of Fluids and Structures, 2022, 110, 103506.	1.5	1
54	On sound radiated from a perturbed vortex ring. Acta Mechanica, 2001, 146, 43-58.	1.1	0

#	ARTICLE	IF	CITATIONS
55	Airfoil Vibration Due to Upstream Alternating Vortices Generated by a Circular Cylinder. , 2002, , 79.		0
56	One-Step Direct Aeroacoustic Simulation Using Space-Time Conservation Element and Solution Element Method. , 2011, , .		0
57	Leveraging Flow-Induced Vibration for Manipulation of Airfoil Tonal Noise. , 2021, , 357-375.		0
58	Investigation on a Duct Noise Control Method through Membranes in Tandem. Shock and Vibration, 2021, 2021, 1-6.	0.3	0
59	Analysis of Fluid-Structure Interaction of an Elastic Blade in Cascade. , 2002, , .		0