Shiu Keung Tang

List of Publications by Year
in descending order

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121	1,593	377584	466096
papers	citations	21 h-index	32 g-index

124	124	124	1034
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effects of visual landscape and traffic type on soundscape perception in high-rise residential estates of an urban city. Applied Acoustics, 2022, 189, 108580.	1.7	15
2	On sound propagation along an infinite rectangular duct-like structure with a finite slot opening and its modelling. Journal of the Acoustical Society of America, 2021, 150, 3445-3460.	0.5	0
3	On the length scale and Strouhal numbers for sound transmission across coupled duct cavities at low Mach number. Journal of the Acoustical Society of America, 2021, 150, 4232-4243.	0.5	1
4	Comparing the effects of visibility of different neighborhood greenery settings on the preference ratings and noise annoyance responses to road traffic noises. Applied Acoustics, 2020, 169, 107474.	1.7	14
5	Noise reduction of plenum windows on the faÃ§ade of a high-rise residential building next to heavy road traffic. Building and Environment, 2020, 186, 107353.	3.0	12
6	Sound transmission across a narrow sidebranch array duct muffler at low Mach number. Journal of the Acoustical Society of America, 2020, 148, 1692-1702.	0.5	4
7	On the performance of existing acoustic energy models when applied to multi-purpose performance halls. Applied Acoustics, 2020, 167, 107401.	1.7	4
8	Active cancellation of sound generated by finite length coherent line sources using piston-like secondary source arrays. Journal of the Acoustical Society of America, 2019, 145, 3647-3655.	0.5	3
9	Insertion loss of asymmetrical balconies on a building faÃ§ade. Journal of the Acoustical Society of America, 2019, 146, 1580-1594.	0.5	4
10	Empirical prediction of traffic noise transmission loss across plenum windows. Applied Acoustics, 2019, 151, 45-54.	1.7	10
11	On low frequency sound propagation across closely coupled narrow cavities along an infinite duct and the similarity in stopband cut-on frequencies. Journal of Sound and Vibration, 2019, 443, 411-429.	2.1	3
12	The effects of indoor plants and artificial windows in an underground environment. Building and Environment, 2018, 138, 53-62.	3.0	63
13	Reduction of sound transmission across plenum windows by incorporating an array of rigid cylinders. Journal of Sound and Vibration, 2018, 415, 25-40.	2.1	17
14	Modelling noise annoyance responses to combined sound sources and views of sea, road traffic, and mountain greenery. Journal of the Acoustical Society of America, 2018, 144, 3503-3513.	0.5	25
15	The effects of neighborhood views containing multiple environmental features on road traffic noise perception at dwellings. Journal of the Acoustical Society of America, 2017, 141, 2399-2407.	0.5	27
16	Low frequency interactions between coupled narrow sidebranch arrays and the resulted sound transmission losses. Applied Acoustics, 2017, 117, 51-60.	1.7	5
17	Acoustical Benefits of Plenum Window as Facade Device â€“ A Parametric Study. MATEC Web of Conferences, 2017, 103, 03021.	0.1	1
18	Vortex sound radiation in a flow duct with a dipole source and a flexible wall of finite length. Journal of the Acoustical Society of America, 2017, 141, 1999-2010.	0.5	4

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19	Developing a multivariate model for predicting the noise annoyance responses due to combined water sound and road traffic noise exposure. Applied Acoustics, 2017, 127, 284-291.	1.7	28
20	A Review on Natural Ventilation-enabling FaÃ§ade Noise Control Devices for Congested High-Rise Cities. Applied Sciences (Switzerland), 2017, 7, 175.	1.3	41
21	Geometrical parameter combinations that correlate with early interaural cross-correlation coefficients in a performance hall. Journal of the Acoustical Society of America, 2016, 139, 2741-2753.	0.5	1
22	The Impact of Technology-supported and Triangulated Writing Tasks on a Pilot Interdisciplinary Undergraduate Subject for Construction Disciplines. Computers and Composition, 2016, 40, 131-150.	0.7	2
23	Estimation of source location and ground impedance using a hybrid multiple signal classification and Levenbergâ€“Marquardt approach. Journal of Sound and Vibration, 2016, 374, 279-296.	2.1	8
24	Noise control of dipole source by using micro-perforated panel housing. Journal of Sound and Vibration, 2016, 362, 39-55.	2.1	19
25	Sound transmission acrosss a plenum window with an active noise cancellation system. Noise Control Engineering Journal, 2016, 64, 423-431.	0.2	8
26	Full scale field study of sound transmission across plenum windows. Applied Acoustics, 2015, 89, 244-253.	1.7	43
27	Insertion losses of balconies on a building faÃ§ade and the underlying wave interactions. Journal of the Acoustical Society of America, 2014, 136, 213-225.	0.5	12
28	Validation of CE/SE Scheme in Low Mach Number Direct Aeroacoustic Simulation. International Journal of Nonlinear Sciences and Numerical Simulation, 2014, 15, 157-169.	0.4	18
29	Urban Soundscape of Recreational Area in High Population Area. Acta Acustica United With Acustica, 2014, 100, 1044-1055.	0.8	1
30	Aeroacoustics of duct junction flows merging at different angles. Journal of Sound and Vibration, 2014, 333, 4187-4202.	2.1	14
31	Plenum window insertion loss in the presence of a line sourceâ€”A scale model study. Journal of the Acoustical Society of America, 2013, 133, 1458-1467.	0.5	31
32	Neural network predictions of acoustical parameters in multi-purpose performance halls. Journal of the Acoustical Society of America, 2013, 134, 2049-2065.	0.5	3
33	Aeroacoustics of T-junction merging flow. Journal of the Acoustical Society of America, 2013, 133, 697-708.	0.5	14
34	Perception of urban park soundscape. Journal of the Acoustical Society of America, 2012, 131, 2762-2771.	0.5	69
35	On the study of the effects of sea views, greenery views and personal characteristics on noise annoyance perception at homes. Journal of the Acoustical Society of America, 2012, 131, 2131-2140.	0.5	38
36	Narrow sidebranch arrays for low frequency duct noise control. Journal of the Acoustical Society of America, 2012, 132, 3086-3097.	0.5	26

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37	A directionally tunable but frequency-invariant beamformer on an acoustic velocity-sensor triad to enhance speech perception. Journal of the Acoustical Society of America, 2012, 131, 3891-3902.	0.5	23
38	On weak unsteady signal detection using statistical tests. Applied Acoustics, 2012, 73, 164-172.	1.7	3
39	On the recovery of moving source characteristics using timeâ€“frequency approach. Applied Acoustics, 2012, 73, 366-378.	1.7	8
40	Experimental investigation of the sound absorption performance of compartmented Helmholtz resonators. Applied Acoustics, 2012, 73, 969-976.	1.7	41
41	Sound fields inside street canyons with inclined flanking building faÃ§ades. Proceedings of Meetings on Acoustics, 2011, , .	0.3	1
42	Dual cylinder inviscid vortex sound of low Mach number. Journal of Fluids and Structures, 2011, 27, 1337-1348.	1.5	0
43	The characteristics of acoustic line array prototypes for scale model experiments. Applied Acoustics, 2011, 72, 884-888.	1.7	1
44	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
45	Full scale model investigation on the acoustical protection of a balcony-like faÃ§ade device (L). Journal of the Acoustical Society of America, 2011, 130, 673-676.	0.5	15
46	Vortex sound in the presence of a low Mach number flow across a drum-like silencer. Journal of the Acoustical Society of America, 2011, 129, 2830-2840.	0.5	5
47	Beacon-Aided Adaptive Localization of Noise Sources Aboard a Pass-By Railcar Using a Trackside Microphone Array. IEEE Transactions on Vehicular Technology, 2010, 59, 3720-3727.	3.9	9
48	Can surrounding greenery reduce noise annoyance at home?. Science of the Total Environment, 2010, 408, 4376-4384.	3.9	84
49	Scale model study of balcony insertion losses on a building faÃ§ade with non-parallel line sources. Applied Acoustics, 2010, 71, 947-954.	1.7	15
50	On sound transmission loss across a Helmholtz resonator in a low Mach number flow duct. Journal of the Acoustical Society of America, 2010, 127, 3519-3525.	0.5	32
51	ON THE FORCES AND STROUHAL NUMBERS IN THE LOW REYNOLDS NUMBER WAKES OF TWO CYLINDERS IN TANDEM. Transactions of the Canadian Society for Mechanical Engineering, 2009, 33, 349-360.	0.3	4
52	EFFECT OF TURBULENCE ON SOUND RADIATION BY VORTEXâ€“BODY INTERACTION. Journal of Computational Acoustics, 2009, 17, 71-81.	1.0	0
53	Acceleration and deceleration of coherent structures in the initial shear layers of laminar circular jets. Fluid Dynamics Research, 2009, 41, 035001.	0.6	0
54	Valuing road noise for residents in Hong Kong. Transportation Research, Part D: Transport and Environment, 2009, 14, 264-271.	3.2	6

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55	Performance of a noise barrier within an enclosed space. Applied Acoustics, 2009, 70, 50-57.	1.7	8
56	A statistical model for detecting jumps and decaying pulses in the presence of a background noise. Applied Acoustics, 2009, 70, 498-506.	1.7	2
57	Two-dimensional model of low Mach number vortex sound generation in a lined duct. Journal of the Acoustical Society of America, 2009, 126, 1005-1014.	0.5	2
58	Speech related acoustical parameters in classrooms and their relationships. Applied Acoustics, 2008, 69, 1318-1331.	1.7	7
59	On monitoring community noise using arbitrarily chosen measurement periods. Applied Acoustics, 2008, 69, 649-661.	1.7	17
60	On sound propagation from a slanted side branch into an infinitely long rectangular duct. Journal of the Acoustical Society of America, 2008, 124, 1921-1929.	0.5	1
61	Spatial Attenuation of Sound in a Rectangular Enclosure under Active Control of Sound Transmission through an Elastically Supported Flexible Panel. Journal of Low Frequency Noise Vibration and Active Control, 2008, 27, 147-165.	1.3	6
62	Vortex sound under the influence of a piecewise porous material on an infinite rigid plane. Journal of the Acoustical Society of America, 2007, 122, 2542-2550.	0.5	1
63	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
64	Mode Interactions and Sound Power Transmission Loss of Expansion Chambers. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 141-147.	1.0	3
65	Detecting weak sinusoidal signals embedded in a non-stationary random broadband noiseâ€"A simulation study. Journal of Sound and Vibration, 2007, 304, 831-844.	2.1	3
66	A study of the effect of inertia blocks on the stability of the vibratory system and the performance of vibration isolation. Applied Acoustics, 2007, 68, 1511-1524.	1.7	1
67	Noise Indices for Assessing Domestic Air Conditioner Noise. Noise and Vibration Worldwide, 2006, 37, 10-14.	0.4	0
68	On the addition of two incoherent unsteady noise records of different statistical structures. Applied Acoustics, 2006, 67, 157-184.	1.7	3
69	Reverberation times and speech transmission indices in classrooms. Journal of Sound and Vibration, 2006, 294, 596-607.	2.1	11
70	On analysis of exponentially decaying pulse signals using stochastic volatility model. Part II: Student-t distribution. Journal of the Acoustical Society of America, 2006, 120, 1783-1786.	0.5	0
71	On analysis of exponentially decaying pulse signals using stochastic volatility model. Journal of the Acoustical Society of America, 2006, 119, 1519-1526.	0.5	4
72	Sound generated by vortices in the presence of a porous half-cylinder mounted on a rigid plane. Journal of the Acoustical Society of America, 2006, 119, 2084-2095.	0.5	4

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73	Noise screening effects of balconies on a building facade. Journal of the Acoustical Society of America, 2005, 118, 213-221.	0.5	49
74	On Helmholtz resonators with tapered necks. Journal of Sound and Vibration, 2005, 279, 1085-1096.	2.1	91
75	Vortex sound in the presence of a wedge with inhomogeneous surface flow impedance. Journal of Sound and Vibration, 2005, 281, 1077-1091.	2.1	5
76	Vibrational energy transmission through wall junctions in buildings. Journal of Sound and Vibration, 2005, 286, 1048-1056.	2.1	0
77	Acoustic radiation by vortex induced flexible wall vibration. Journal of the Acoustical Society of America, 2005, 118, 2182-2189.	0.5	11
78	Sound transmission across duct constrictions with and without tapered sections. Journal of the Acoustical Society of America, 2005, 117, 3679-3685.	0.5	7
79	Sound transmission characteristics of Tee-junctions and the associated length corrections. Journal of the Acoustical Society of America, 2004, 115, 218-227.	0.5	8
80	On noise indices for domestic air conditioners. Journal of Sound and Vibration, 2004, 274, 1-12.	2.1	19
81	Speech transmission index or rapid speech transmission index for classrooms? A designer's point of view. Journal of Sound and Vibration, 2004, 276, 431-439.	2.1	8
82	Estimating traffic noise for inclined roads with freely flowing traffic. Applied Acoustics, 2004, 65, 171-181.	1.7	30
83	An Important, but Forgotten Acoustic Issue in Classrooms. HKIE Transactions, 2004, 11, 13-18.	1.9	0
84	Basic sound generation mechanisms in inviscid vortex interactions at low Mach number. Journal of Sound and Vibration, 2003, 262, 87-115.	2.1	14
85	Impacts of structuralâ€“acoustic coupling on the performance of energy density-based active sound transmission control. Journal of Sound and Vibration, 2003, 266, 147-170.	2.1	9
86	On the addition of two incoherent unsteady noise records of similar statistical structures. Part 2: effects of long time span and diurnal variations. Applied Acoustics, 2003, 64, 541-564.	1.7	3
87	On low frequency sound transmission loss of double sidebranches: A comparison between theory and experiment. Journal of the Acoustical Society of America, 2003, 113, 3215.	0.5	13
88	Predictability of noise indices in a high-rise residential environment (L). Journal of the Acoustical Society of America, 2003, 114, 1222-1225.	0.5	10
89	Sound transmission across a smooth nonuniform section in an infinitely long duct. Journal of the Acoustical Society of America, 2002, 112, 2602-2611.	0.5	12
90	On the addition of two incoherent unsteady noise records of similar statistical structures. Applied Acoustics, 2002, 63, 829-848.	1.7	3

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91	MECHANISMS FOR SOUND GENERATION IN INVISCID TWO-DIMENSIONAL VORTEX INTERACTIONS. Journal of Sound and Vibration, 2001, 243, 823-846.	2.1	4
92	NOISE LEVEL DISTRIBUTION FUNCTIONS FOR OUTDOOR APPLICATIONS. Journal of Sound and Vibration, 2001, 248, 887-911.	2.1	7
93	Effects of porous boundaries on the dynamics of an inviscid vortex filament. Quarterly Journal of Mechanics and Applied Mathematics, 2001, 54, 65-84.	0.5	7
94	Vortex sound generation due to a flow impedance discontinuity on a flat surface. Journal of the Acoustical Society of America, 2001, 109, 1334-1341.	0.5	1
95	Sound fields in a rectangular enclosure under active sound transmission control. Journal of the Acoustical Society of America, 2001, 110, 925-938.	0.5	14
96	Sound sources in the interactions of two inviscid two-dimensional vortex pairs. Journal of Fluid Mechanics, 2000, 419, 177-201.	1.4	20
97	ON THE TIMEâ€“FREQUENCY ANALYSIS OF SIGNALS THAT DECAY EXPONENTIALLY WITH TIME. Journal of Sound and Vibration, 2000, 234, 241-258.	2.1	25
98	SOUND FIELDS IN A SLIGHTLY DAMPED RECTANGULAR ENCLOSURE UNDER ACTIVE CONTROL. Journal of Sound and Vibration, 2000, 238, 637-660.	2.1	17
99	Statistical structures of indoor traffic noise in a high-rise city. Journal of the Acoustical Society of America, 1999, 106, 3415-3423.	0.5	12
100	On the application of active noise control in an open end rectangular duct with and without flow. Applied Acoustics, 1998, 53, 193-210.	1.7	10
101	Performance of noise indices in office environment dominated by noise from human speech. Applied Acoustics, 1998, 55, 293-305.	1.7	15
102	FURTHER INVESTIGATION ON NOISE DISTRIBUTION FUNCTION. Journal of Sound and Vibration, 1998, 218, 599-604.	2.1	1
103	Effects of a background axisymmetric potential flow on vortex ring pairing sound. Journal of the Acoustical Society of America, 1998, 104, 3273-3281.	0.5	3
104	Inviscid two dimensional vortex dynamics and a soliton expansion of the sinh-Poisson equation. Physics of Fluids, 1998, 10, 1111-1119.	1.6	24
105	Noise Criteria for Hong Kong Building Environmental Assessment Method for New Offices and Existing Offices (HK-BEAM). HKIE Transactions, 1998, 5, 1-5.	1.9	1
106	Sound generation by interaction of two inviscid two-dimensional vortices. Journal of the Acoustical Society of America, 1997, 102, 1463-1473.	0.5	11
107	Prediction of sound-pressure level in an occupied enclosure. Journal of the Acoustical Society of America, 1997, 101, 2990-2993.	0.5	15
108	Performance of noise indices in air-conditioned landscaped office buildings. Journal of the Acoustical Society of America, 1997, 102, 1657-1663.	0.5	30

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109	Control of Vortex Pairing Sound. AIAA Journal, 1997, 35, 802-809.	1.5	6
110	Solitons in (2 + 0) dimensions and their applications in vortex dynamics. Fluid Dynamics Research, 1997, 21, 101-114.	0.6	9
111	A DISTRIBUTION FUNCTION APPLICABLE TO OFFICE NOISE STUDY. Journal of Sound and Vibration, 1997, 208, 603-615.	2.1	5
112	Some characteristics of noise in air-conditioned landscaped offices. Applied Acoustics, 1996, 48, 249-267.	1.7	6
113	Aural environment survey in air-conditioned open-plan offices. Building Services Engineering Research and Technology, 1996, 17, 97-100.	0.9	7
114	Vortex pairing as a model for jet noise generation. AIAA Journal, 1996, 34, 669-675.	1.5	14
115	ON SOUND GENERATED FROM THE INTERACTION OF TWO INVISCID COAXIAL VORTEX RINGS MOVING IN THE SAME DIRECTION. Journal of Sound and Vibration, 1995, 187, 287-310.	2.1	24
116	Sound generation by a vortex ring collision. Journal of the Acoustical Society of America, 1995, 98, 3418-3427.	0.5	11
117	Coherent structure interactions in an unexcited coaxial jet. Experiments in Fluids, 1994, 17, 147-157.	1.1	15
118	Experimental investigation of the structure interaction in an excited coaxial jet. Experimental Thermal and Fluid Science, 1994, 8, 214-229.	1.5	21
119	Coherent Structure Interactions in Excited Coaxial Jet of Mean Velocity Ratio of 0.3.. AIAA Journal, 1993, 31, 1521-1524.	1.5	11
120	A Study on the Noise Generation Mechanism in a Circular Air Jet. Journal of Fluids Engineering, Transactions of the ASME, 1993, 115, 425-435.	0.8	17
121	Effect of external exciter on the far field of an air jet. Journal of Sound and Vibration, 1990, 137, 154-158.	2.1	3