Cheuk Ming Mak

List of Publications by Year
in descending order

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200 papers	5,598 citations	61857 43 h-index	123241 61 g-index
206 all docs	206 docs citations	206 times ranked	2836 citing authors

#	Article	IF	Citations
1	A new method to assess spatial variations of outdoor thermal comfort: Onsite monitoring results and implications for precinct planning. Building and Environment, 2015, 91, 263-270.	3.0	148
2	Investigation into the differences among several outdoor thermal comfort indices against field survey in subtropics. Sustainable Cities and Society, 2019, 44, 676-690.	5.1	142
3	The impact of indoor environmental quality on work productivity in university open-plan research offices. Building and Environment, 2017, 124, 78-89.	3.0	141
4	Numerical evaluations of urban design technique to reduce vehicular personal intake fraction in deep street canyons. Science of the Total Environment, 2019, 653, 968-994.	3.9	127
5	The effects of daylighting and human behavior on luminous comfort in residential buildings: A questionnaire survey. Building and Environment, 2014, 81, 51-59.	3.0	113
6	Investigation into sensitivities of factors in outdoor thermal comfort indices. Building and Environment, 2018, 128, 129-142.	3.0	110
7	Simultaneous environmental parameter monitoring and human subject survey regarding outdoor thermal comfort and its modelling. Building and Environment, 2017, 125, 502-514.	3.0	105
8	Tracer gas is a suitable surrogate of exhaled droplet nuclei for studying airborne transmission in the built environment. Building Simulation, 2020, 13, 489-496.	3.0	103
9	Effects of lift-up design on pedestrian level wind comfort in different building configurations under three wind directions. Building and Environment, 2017, 117, 84-99.	3.0	101
10	The assessment of the performance of a windcatcher system using computational fluid dynamics. Building and Environment, 2007, 42, 1135-1141.	3.0	93
11	New criteria for assessing low wind environment at pedestrian level in Hong Kong. Building and Environment, 2017, 123, 23-36.	3.0	90
12	A study of wind and buoyancy driven flows through commercial wind towers. Energy and Buildings, 2011, 43, 1784-1791.	3.1	86
13	Numerical investigation of wind-induced airflow and interunit dispersion characteristics in multistory residential buildings. Indoor Air, 2013, 23, 417-429.	2.0	80
14	The effect of sound on office productivity. Building Services Engineering Research and Technology, 2012, 33, 339-345.	0.9	79
15	CFD simulation of flow in a long street canyon under a perpendicular wind direction: Evaluation of three computational settings. Building and Environment, 2017, 114, 293-306.	3.0	73
16	An extended neck versus a spiral neck of the Helmholtz resonator. Applied Acoustics, 2017, 115, 74-80.	1.7	72
17	How indoor environmental quality affects occupantsâ€™ cognitive functions: A systematic review. Building and Environment, 2021, 193, 107647.	3.0	72
18	Evaluation of a multi-nodal thermal regulation model for assessment of outdoor thermal comfort: Sensitivity to wind speed and solar radiation. Building and Environment, 2018, 132, 45-56.	3.0	67

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19	A study of interunit dispersion around multistory buildings with single-sided ventilation under different wind directions. Atmospheric Environment, 2014, 88, 1-13.	1.9	66
20	A numerical simulation of wing walls using computational fluid dynamics. Energy and Buildings, 2007, 39, 995-1002.	3.1	64
21	From street canyon microclimate to indoor environmental quality in naturally ventilated urban buildings: Issues and possibilities for improvement. Building and Environment, 2015, 94, 489-503.	3.0	62
22	Recent advances in building acoustics: An overview of prediction methods and their applications. Building and Environment, 2015, 91, 118-126.	3.0	61
23	Adopting â€˜lift-upâ€™ building design to improve the surrounding pedestrian-level wind environment. Building and Environment, 2017, 117, 154-165.	3.0	61
24	Evaluation of computational and physical parameters influencing CFD simulations of pollutant dispersion in building arrays. Building and Environment, 2018, 137, 90-107.	3.0	61
25	The impacts of viaduct settings and street aspect ratios on personal intake fraction in three-dimensional urban-like geometries. Building and Environment, 2018, 143, 138-162.	3.0	60
26	Detached eddy simulation of pedestrian-level wind and gust around an elevated building. Building and Environment, 2017, 125, 168-179.	3.0	59
27	LES for pedestrian level wind around an idealized building arrayâ€”Assessment of sensitivity to influencing parameters. Sustainable Cities and Society, 2019, 44, 406-415.	5.1	59
28	Evaluation of pedestrian wind comfort near â€˜lift-upâ€™ buildings with different aspect ratios and central core modifications. Building and Environment, 2017, 124, 245-257.	3.0	58
29	Wave propagation in a duct with a periodic Helmholtz resonators array. Journal of the Acoustical Society of America, 2012, 131, 1172-1182.	0.5	57
30	A multi-stage optimization of pedestrian level wind environment and thermal comfort with lift-up design in ideal urban canyons. Sustainable Cities and Society, 2019, 46, 101424.	5.1	57
31	Acoustic performance of different Helmholtz resonator array configurations. Applied Acoustics, 2018, 130, 204-209.	1.7	56
32	A structured approach to overall environmental satisfaction in high-rise residential buildings. Energy and Buildings, 2016, 116, 181-189.	3.1	55
33	Numerical evaluation of louver configuration and ventilation strategies for the windcatcher system. Building and Environment, 2011, 46, 1600-1616.	3.0	54
34	CFD simulation of flow and dispersion around an isolated building: Effect of inhomogeneous ABL and near-wall treatment. Atmospheric Environment, 2013, 77, 568-578.	1.9	53
35	A systematic review of human perceptual dimensions of sound: Meta-analysis of semantic differential method applications to indoor and outdoor sounds. Building and Environment, 2018, 133, 123-150.	3.0	53
36	Determination of single-sided ventilation rates in multistory buildings: Evaluation of methods. Energy and Buildings, 2014, 69, 292-300.	3.1	52

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37	Assessment of outdoor thermal comfort in Hong Kong based on the individual desirability and acceptability of sun and wind conditions. Building and Environment, 2018, 145, 50-61.	3.0	51
38	Large eddy simulation of wind-induced interunit dispersion around multistory buildings. Indoor Air, 2016, 26, 259-273.	2.0	50
39	Improving pedestrian level low wind velocity environment in high-density cities: A general framework and case study. Sustainable Cities and Society, 2018, 42, 314-324.	5.1	50
40	Large-eddy Simulation of flow and dispersion around an isolated building: Analysis of influencing factors. Computers and Fluids, 2015, 118, 89-100.	1.3	49
41	Quantification of luminous comfort with dynamic daylight metrics in residential buildings. Energy and Buildings, 2016, 117, 99-108.	3.1	48
42	Sound attenuation of a periodic array of micro-perforated tube mufflers. Applied Acoustics, 2017, 115, 15-22.	1.7	48
43	Modeling of coupled urban wind flow and indoor air flow on a high-density near-wall mesh: Sensitivity analyses and case study for single-sided ventilation. Environmental Modelling and Software, 2014, 60, 57-68.	1.9	44
44	Ventilation of air-conditioned residential buildings: A case study in Hong Kong. Energy and Buildings, 2016, 127, 116-127.	3.1	44
45	An assessment model of classroom acoustical environment based on fuzzy comprehensive evaluation method. Applied Acoustics, 2017, 127, 292-296.	1.7	44
46	Analysis of fluctuating characteristics of wind-induced airflow through a single opening using LES modeling and the tracer gas technique. Building and Environment, 2014, 80, 249-258.	3.0	43
47	Helmholtz resonator with a spiral neck. Applied Acoustics, 2015, 99, 68-71.	1.7	41
48	Outdoor thermal sensation and logistic regression analysis of comfort range of meteorological parameters in Hong Kong. Building and Environment, 2019, 155, 175-186.	3.0	41
49	Measurement and prediction of road traffic noise at different building floor levels in Hong Kong. Building Services Engineering Research and Technology, 2010, 31, 131-139.	0.9	39
50	Relationships between indoor environmental quality and environmental factors in university classrooms. Building and Environment, 2020, 186, 107331.	3.0	39
51	CFD simulation of the effect of an upstream building on the inter-unit dispersion in a multi-story building in two wind directions. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 150, 31-41.	1.7	38
52	On-site measurements of ventilation performance and indoor air quality in naturally ventilated high-rise residential buildings in Hong Kong. Indoor and Built Environment, 2015, 24, 214-224.	1.5	37
53	Noise attenuation capacity of a Helmholtz resonator. Advances in Engineering Software, 2018, 116, 60-66.	1.8	37
54	Effects of environmental sound quality on soundscape preference in a public urban space. Applied Acoustics, 2021, 171, 107570.	1.7	37

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55	The Effect of Balconies on Ventilation Performance of Low-rise Buildings. Indoor and Built Environment, 2011, 20, 649-660.	1.5	35
56	Application of a multi-variable optimization method to determine lift-up design for optimum wind comfort. Building and Environment, 2018, 131, 242-254.	3.0	35
57	Effects of building height and porosity on pedestrian level wind comfort in a high-density urban built environment. Building Simulation, 2018, 11, 1215-1228.	3.0	35
58	Noise attenuation performance improvement by adding Helmholtz resonators on the periodic ducted Helmholtz resonator system. Applied Acoustics, 2017, 122, 8-15.	1.7	34
59	Towards an integrated method to assess effects of lift-up design on outdoor thermal comfort in Hong Kong. Building and Environment, 2017, 125, 261-272.	3.0	34
60	Modelling of pedestrian level wind environment on a high-quality mesh: A case study for the HKPolyU campus. Environmental Modelling and Software, 2018, 103, 105-119.	1.9	34
61	Hybrid noise control in a duct using a periodic dual Helmholtz resonator array. Applied Acoustics, 2018, 134, 119-124.	1.7	33
62	Wind-induced single-sided natural ventilation in buildings near a long street canyon: CFD evaluation of street configuration and envelope design. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 172, 96-106.	1.7	33
63	Pedestrian-level wind conditions in the space underneath lift-up buildings. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 179, 58-69.	1.7	33
64	Dental Environmental Noise Evaluation and Health Risk Model Construction to Dental Professionals. International Journal of Environmental Research and Public Health, 2017, 14, 1084.	1.2	31
65	Exploration of applicability of UTCI and thermally comfortable sun and wind conditions outdoors in a subtropical city of Hong Kong. Sustainable Cities and Society, 2020, 52, 101793.	5.1	31
66	Integrated impacts of building height and upstream building on pedestrian comfort around ideal lift-up buildings in a weak wind environment. Building and Environment, 2021, 200, 107963.	3.0	31
67	Effects of building layouts and envelope features on wind flow and pollutant exposure in height-asymmetric street canyons. Building and Environment, 2021, 205, 108177.	3.0	31
68	Noise control zone for a periodic ducted Helmholtz resonator system. Journal of the Acoustical Society of America, 2016, 140, EL471-EL477.	0.5	30
69	Hybrid noise control using multiple Helmholtz resonator arrays. Applied Acoustics, 2019, 143, 31-37.	1.7	30
70	The assessment of the performance of balconies using computational fluid dynamics. Building Services Engineering Research and Technology, 2011, 32, 229-243.	0.9	29
71	New static lightshelf system design of clerestory windows for Hong Kong. Building and Environment, 2014, 72, 368-376.	3.0	29
72	A four-part setting on examining the anxiety-provoking capacity of the sound of dental equipment. Noise and Health, 2011, 13, 385.	0.4	28

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73	A method for assessing soundscape in urban parks based on the service quality measurement models. Applied Acoustics, 2017, 127, 184-193.	1.7	28
74	Evaluating flow-field and expelled droplets in the mockup dental clinic during the COVID-19 pandemic. Physics of Fluids, 2021, 33, 047111.	1.6	28
75	Short-term mechanical ventilation of air-conditioned residential buildings: A general design framework and guidelines. Building and Environment, 2016, 108, 12-22.	3.0	27
76	A variable forgetting factor diffusion recursive least squares algorithm for distributed estimation. Signal Processing, 2017, 140, 219-225.	2.1	27
77	Particle image velocimetry measurement and CFD simulation of pedestrian level wind environment around U-type street canyon. Building and Environment, 2019, 154, 239-251.	3.0	27
78	A power transmissibility method for assessing the performance of vibration isolation of building services equipment. Applied Acoustics, 2002, 63, 1281-1299.	1.7	26
79	Roadside air quality and implications for control measures: A case study of Hong Kong. Atmospheric Environment, 2016, 137, 6-16.	1.9	26
80	Flow and dispersion in coupled outdoor and indoor environments: Issue of Reynolds number independence. Building and Environment, 2019, 150, 119-134.	3.0	26
81	Development of a multi-nodal thermal regulation and comfort model for the outdoor environment assessment. Building and Environment, 2020, 176, 106809.	3.0	26
82	Thermal comfort study in prefab construction site office in subtropical China. Energy and Buildings, 2020, 217, 109958.	3.1	26
83	Development of a prediction method for flow-generated noise produced by duct elements in ventilation systems. Applied Acoustics, 2002, 63, 81-93.	1.7	25
84	A prediction method for aerodynamic sound produced by multiple elements in air ducts. Journal of Sound and Vibration, 2005, 287, 395-403.	2.1	25
85	A turbulence-based prediction technique for flow-generated noise produced by in-duct elements in a ventilation system. Applied Acoustics, 2009, 70, 11-20.	1.7	25
86	Investigation of interunit dispersion in 2D street canyons: A scaled outdoor experiment. Building and Environment, 2020, 171, 106673.	3.0	25
87	Effects of envelope features on wind flow and pollutant exposure in street canyons. Building and Environment, 2020, 176, 106862.	3.0	25
88	Potential use of reduced-scale models in CFD simulations to save numerical resources: Theoretical analysis and case study of flow around an isolated building. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 134, 25-29.	1.7	24
89	Flow noise from spoilers in ducts. Journal of the Acoustical Society of America, 2009, 125, 3756-3765.	0.5	23
90	Acoustic performance of a duct loaded with identical resonators. Journal of the Acoustical Society of America, 2012, 131, EL316-EL322.	0.5	23

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91	Application of a movable active vibration control system on a floating raft. Journal of Sound and Vibration, 2018, 414, 233-244.	2.1	23
92	A study of coupled flexural-longitudinal wave motion in a periodic dual-beam structure with transverse connection. Journal of the Acoustical Society of America, 2009, 126, 114-121.	0.5	21
93	A Study of the Ventilation and Thermal Comfort of the Environment Surrounding a New University Building under Construction. Indoor and Built Environment, 2012, 21, 568-582.	1.5	21
94	Effect of balconies and upperâ€“lower vents on ventilation and indoor air quality in a wind-induced, naturally ventilated building. Building Services Engineering Research and Technology, 2014, 35, 393-407.	0.9	21
95	Post-occupancy evaluation of sunshades and balconiesâ€™ effects on luminous comfort through a questionnaire survey. Building Services Engineering Research and Technology, 2016, 37, 51-65.	0.9	21
96	Near fields of annular slotted hoods measured via 2D-PIV. Building and Environment, 2018, 144, 1-8.	3.0	20
97	A study of the effect of floor mobility on structure-borne sound power transmission. Building and Environment, 2003, 38, 443-455.	3.0	19
98	Effect of balconies on thermal comfort in wind-induced, naturally ventilated low-rise buildings. Building Services Engineering Research and Technology, 2011, 32, 277-292.	0.9	19
99	Are the noise levels acceptable in a built environment like Hong Kong?. Noise and Health, 2015, 17, 429.	0.4	19
100	Balancing energy and daylighting performances for envelope design: A new index and proposition of a case study in Hong Kong. Applied Energy, 2017, 205, 13-22.	5.1	18
101	An investigation of speech intelligibility for second language students in classrooms. Applied Acoustics, 2018, 134, 54-59.	1.7	18
102	Numerical evaluation of pedestrian-level wind comfort around â€œlift-upâ€•buildings with various unconventional configurations. Building and Environment, 2021, 188, 107429.	3.0	18
103	The effects of elastic supports on the transient vibroacoustic response of a window caused by sonic booms. Journal of the Acoustical Society of America, 2011, 130, 783-790.	0.5	17
104	Development of a Dental Anxiety Provoking Scale: A pilot study in Hong Kong. Journal of Dental Sciences, 2015, 10, 240-247.	1.2	17
105	Computational fluid dynamics simulation of wind-driven inter-unit dispersion around multi-storey buildings: Upstream building effect. Indoor and Built Environment, 2019, 28, 217-234.	1.5	17
106	Assessment of â€œlift-upâ€•designâ€™s impact on thermal perceptions in the transition process from indoor to outdoor. Sustainable Cities and Society, 2020, 56, 102081.	5.1	17
107	Pressure Losses across Multiple Fittings in Ventilation Ducts. Scientific World Journal, The, 2013, 2013, 1-11.	0.8	16
108	A preliminary investigation of water usage behavior in single-family homes. Building Simulation, 2017, 10, 949-962.	3.0	16

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109	Noise level and its influences on dental professionals in a dental hospital in Hong Kong. Building Services Engineering Research and Technology, 2017, 38, 522-535.	0.9	16
110	The Application of Computational Fluid Dynamics to the Prediction of Flow Generated Noise in Low Speed Ducts. Part 1: Fluctuating Drag Forces on a Flow Spoiler. Building Acoustics, 1998, 5, 123-141.	1.1	15
111	A Study of Natural Ventilation in a Kitchen Using Computational Fluid Dynamics (CFD). Architectural Science Review, 2002, 45, 183-190.	1.1	15
112	Dynamic effects of frequent step changes in outdoor microclimate environments on thermal sensation and dissatisfaction of pedestrian during summer. Sustainable Cities and Society, 2022, 79, 103670.	5.1	15
113	Transient vibration and sound radiation of a stiffened plate. JVC/Journal of Vibration and Control, 2013, 19, 1378-1385.	1.5	14
114	Effects of wind direction and building array arrangement on airflow and contaminant distributions in the central space of buildings. Building and Environment, 2021, 205, 108234.	3.0	14
115	Experimental validation of the sound transmission of rectangular baffled plates with general elastic boundary conditions. Journal of the Acoustical Society of America, 2011, 129, EL274-EL279.	0.5	13
116	Disorder in a periodic Helmholtz resonators array. Applied Acoustics, 2014, 82, 1-5.	1.7	13
117	A new QR decomposition-based RLS algorithm using the split Bregman method for L1-regularized problems. Signal Processing, 2016, 128, 303-308.	2.1	13
118	Scaled outdoor experimental analysis of ventilation and interunit dispersion with wind and buoyancy effects in street canyons. Energy and Buildings, 2022, 255, 111688.	3.1	13
119	A Study of the Effect of Floor Mobility on Isolation Efficiency of Vibration Isolators. Journal of Low Frequency Noise Vibration and Active Control, 2001, 20, 1-13.	1.3	12
120	The Application of Computational Fluid Dynamics to the Assessment of Green Features in Buildings: Part 1: Wing Walls. Architectural Science Review, 2005, 48, 121-134.	1.1	12
121	Noise Attenuation Performance of a Helmholtz Resonator Array Consist of Several Periodic Parts. Sensors, 2017, 17, 1029.	2.1	12
122	How the high-volume evacuation alters the flow-field and particle removal characteristics in the mock-up dental clinic. Building and Environment, 2021, 205, 108225.	3.0	12
123	Direct measurement of moment mobility and a moment excitation system. Applied Acoustics, 2002, 63, 139-151.	1.7	11
124	A methodology for direct identification of characteristic wave-types in a finite periodic dual-layer structure with transverse connection. JVC/Journal of Vibration and Control, 2012, 18, 1406-1414.	1.5	11
125	A Review of Prediction Methods for the Transient Vibration and Sound Radiation of Plates. Journal of Low Frequency Noise Vibration and Active Control, 2013, 32, 309-322.	1.3	11
126	Prediction of the sound transmission loss of a stiffened window. Building Services Engineering Research and Technology, 2013, 34, 359-368.	0.9	11

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127	Effects of acoustical descriptors on speech intelligibility in Hong Kong classrooms. Applied Acoustics, 2021, 171, 107678.	1.7	11
128	Airborne transmission during short-term events: Direct route over indirect route. Building Simulation, 2022, 15, 2097-2110.	3.0	11
129	Effect of viscous damping on power transmissibility for the vibration isolation of building services equipment. Applied Acoustics, 2006, 67, 733-742.	1.7	10
130	Early energy decays in two churches in Hong Kong. Applied Acoustics, 2009, 70, 579-587.	1.7	10
131	A study of power transmissibility for the vibration isolation of coherent vibratory machines on the floor of a building. Applied Acoustics, 2010, 71, 368-372.	1.7	10
132	Pollutant dispersion in a natural ventilated dental clinic. Building Services Engineering Research and Technology, 2013, 34, 245-258.	0.9	9
133	On-site evaluation of pedestrian-level air quality at a U-type street canyon in an ancient city. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 168, 322-333.	1.7	9
134	The influence of envelope features on interunit dispersion around a naturally ventilated multi-story building. Building Simulation, 2018, 11, 1245-1253.	3.0	9
135	Restoration of dental services after COVID-19: The fallow time determination with laser light scattering. Sustainable Cities and Society, 2021, 74, 103134.	5.1	9
136	An investigation of acoustic environments in large and medium-sized open-plan offices in China. Applied Acoustics, 2022, 186, 108447.	1.7	9
137	The Application of Computational Fluid Dynamics to the Assessment of Green Features in Buildings: Part 2: Communal Sky Gardens. Architectural Science Review, 2005, 48, 337-344.	1.1	8
138	Prediction of flow-generated noise produced by acoustic and aerodynamic interactions of multiple in-duct elements. Applied Acoustics, 2008, 69, 566-573.	1.7	8
139	Estimation of Best Mounting Positions for Vibratory Equipment in Buildings. JVC/Journal of Vibration and Control, 2011, 17, 301-310.	1.5	8
140	Prediction of flow noise from in-duct spoilers using computational fluid dynamics. Applied Acoustics, 2014, 76, 386-390.	1.7	8
141	Effects of different wind directions on ventilation of surrounding areas of two generic building configurations in Hong Kong. Indoor and Built Environment, 2022, 31, 414-434.	1.5	8
142	A New Parametric Adaptive Nonstationarity Detector and Application. IEEE Transactions on Signal Processing, 2017, 65, 5203-5214.	3.2	7
143	Generalized flow-generated noise prediction method for multiple elements in air ducts. Applied Acoustics, 2018, 135, 136-141.	1.7	7
144	A comprehensive approach to study stack emissions from a research building in a small urban setting. Sustainable Cities and Society, 2019, 51, 101710.	5.1	7

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145	The Prediction of Airflow Generated Noise in Ventilation Systems. Building Acoustics, 1997, 4, 275-294.	1.1	6
146	A further study of the prediction method for aerodynamic sound produced by two in-duct elements. Journal of Sound and Vibration, 2006, 294, 374-380.	2.1	6
147	A further study of a mathematical model for a screen in open-plan offices. Applied Acoustics, 2008, 69, 1114-1119.	1.7	6
148	Improving speech intelligibility in classrooms through the mirror image model. Applied Acoustics, 2008, 69, 945-950.	1.7	6
149	An indicator for the assessment of isolation performance of transient vibration. JVC/Journal of Vibration and Control, 2013, 19, 2459-2468.	1.5	6
150	Sustainable noise control system design for building ventilation systems. Indoor and Built Environment, 2015, 24, 128-137.	1.5	6
151	Optimization of natural frequencies of a plate structure by modifying boundary conditions. Journal of the Acoustical Society of America, 2017, 142, EL56-EL62.	0.5	6
152	Optimization of geometrical parameters for periodical structures applied to floating raft systems by genetic algorithms. Applied Acoustics, 2018, 129, 108-115.	1.7	6
153	The perceptual and behavioral influence on dental professionals from the noise in their workplace. Applied Acoustics, 2020, 161, 107164.	1.7	6
154	Development of a subjective scale for sound quality assessments in building acoustics. Journal of Building Engineering, 2020, 29, 101177.	1.6	6
155	TRAFFIC NOISE MEASUREMENT AND PREDICTION OF THE BARRIER EFFECT ON TRAFFIC NOISE AT DIFFERENT BUILDING LEVELS. Environmental Engineering and Management Journal, 2013, 12, 449-456.	0.2	6
156	Is the CRTN Method Reliable and Accurate for Traffic Noise Prediction in Hong Kong?. HKIE Transactions, 2008, 15, 17-23.	1.9	5
157	Assessment of the stability of isolated vibratory building services systems and the use of inertia blocks. Building and Environment, 2010, 45, 758-765.	3.0	5
158	Adaptive-passive vibration isolation between nonrigid machines and nonrigid foundations using a dual-beam periodic structure with shape memory alloy transverse connection. Journal of Sound and Vibration, 2014, 333, 6005-6023.	2.1	5
159	Enlightenment of re-entry airflow: The path of the airflow and the airborne pollutants transmission in buildings. Building and Environment, 2021, 195, 107760.	3.0	5
160	Prediction of flow-generated noise produced by an in-duct spoiler in a ventilation system using CIBSE Guide B5 methods. Building Services Engineering Research and Technology, 2009, 30, 153-167.	0.9	4
161	Experimental study of coupled vibration in a finite periodic dual-layered structure with transverse connection. Applied Acoustics, 2011, 72, 287-296.	1.7	4
162	The theoretical fundamentals of an adaptive active control using periodic Helmholtz resonators for duct-borne transmission noise in ventilation systems. Building Services Engineering Research and Technology, 2013, 34, 195-201.	0.9	4

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163	Minimizing the transient vibroacoustic response of a window to sonic booms by using stiffeners. Journal of the Acoustical Society of America, 2014, 135, 1672-1675.	0.5	4
164	An active vibration control system with decoupling scheme for linear periodically time-varying systems. JVC/Journal of Vibration and Control, 2016, 22, 2370-2379.	1.5	4
165	Effect of lift-up design on pedestrian level wind comfort around isolated building under different wind directions. Procedia Engineering, 2017, 205, 296-301.	1.2	4
166	How to choose a better envelope design? A balance between energy and daylighting performance. Procedia Engineering, 2017, 205, 1027-1033.	1.2	4
167	Acoustical measurements and prediction of psychoacoustic metrics with spatial variation. Applied Acoustics, 2020, 168, 107450.	1.7	4
168	Optimization of geometrical parameters for a supporting structure with two installed coherent machines. Applied Acoustics, 2017, 127, 15-23.	1.7	4
169	Error due to two-force excitation in moment mobility measurement. Applied Acoustics, 2007, 68, 1494-1501.	1.7	3
170	Simulation Analysis of Transmission Loss in the Vibrating End Plate of an Expansion Chamber Silencer. Acta Acustica United With Acustica, 2008, 94, 765-768.	0.8	3
171	Normalised spectrum for flow-generated noise prediction using computational fluid dynamics. Building Services Engineering Research and Technology, 2009, 30, 319-328.	0.9	3
172	The effects of fluid loading and elastic supports on the transmission of low-frequency noise through a single-pane window. Noise Control Engineering Journal, 2010, 58, 187.	0.2	3
173	Pedestrian Level Turbulent Wind Flow around an Elevated Building. Procedia Engineering, 2017, 205, 1004-1010.	1.2	3
174	Acoustics: Part 2. Building Services Engineering Research and Technology, 1995, 16, B25-B40.	0.9	2
175	The Application of Computational Fluid Dynamics to the Prediction of Flow Generated Noise: Part 2: Turbulence-Based Prediction Technique. Building Acoustics, 1998, 5, 201-215.	1.1	2
176	Problems Encountered in the Prediction of Flow-Generated Noise in HVAC Air Distribution Systems. Architectural Science Review, 2002, 45, 371-374.	1.1	2
177	An analytical model to estimate the performance of an indoor barrier at low-medium frequencies. Applied Acoustics, 2008, 69, 1343-1349.	1.7	2
178	Modification of boundary condition for the optimization of natural frequencies of plate structures with fluid loading. Advances in Mechanical Engineering, 2018, 10, 168781401879600.	0.8	2
179	Attenuation Performance of a Semi-Active Helmholtz Resonator in a Grazing Flow Duct. Open Journal of Acoustics, 2013, 03, 25-29.	0.3	2
180	Development of an Insertion Loss for Vibration Isolation of Building Services Equipment. Architectural Science Review, 2003, 46, 193-205.	1.1	1

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181	Prediction of the Performance of the Expansion Chamber in Air Ducts. Journal of Low Frequency Noise Vibration and Active Control, 2006, 25, 185-193.	1.3	1
182	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
183	Simulation Analysis of Acoustic Attenuation Performance for Different Shape of an Expansion Chamber Silencer. , 2009, , .		1
184	Numerical Study of Pollutant Dilution in a Natural Ventilated Dental Clinic: Ventilation Path Types Used for Exhausting Pollutant. , 2012, , .		1
185	New Variable Regularized Partial Update Affine Projection Algorithms for Distributed Estimation. , 2017, , .		1
186	Technical Note: Prediction Methods for Regenerated Noise produced by Two Elements in an Air Duct. Building Acoustics, 2001, 8, 169-174.	1.1	1
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