

# Cheuk Ming Mak

## List of Publications by Citations

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194  
papers

3,785  
citations

35  
h-index

48  
g-index

206  
ext. papers

4,679  
ext. citations

4.1  
avg. IF

6.38  
L-index

#	Paper	IF	Citations
194	A new method to assess spatial variations of outdoor thermal comfort: Onsite monitoring results and implications for precinct planning. <i>Building and Environment</i> , <b>2015</b> , 91, 263-270	6.5	101
193	The impact of indoor environmental quality on work productivity in university open-plan research offices. <i>Building and Environment</i> , <b>2017</b> , 124, 78-89	6.5	91
192	The effects of daylighting and human behavior on luminous comfort in residential buildings: A questionnaire survey. <i>Building and Environment</i> , <b>2014</b> , 81, 51-59	6.5	83
191	Numerical evaluations of urban design technique to reduce vehicular personal intake fraction in deep street canyons. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 968-994	10.2	81
190	Investigation into the differences among several outdoor thermal comfort indices against field survey in subtropics. <i>Sustainable Cities and Society</i> , <b>2019</b> , 44, 676-690	10.1	79
189	Effects of lift-up design on pedestrian level wind comfort in different building configurations under three wind directions. <i>Building and Environment</i> , <b>2017</b> , 117, 84-99	6.5	78
188	The assessment of the performance of a windcatcher system using computational fluid dynamics. <i>Building and Environment</i> , <b>2007</b> , 42, 1135-1141	6.5	76
187	A study of wind and buoyancy driven flows through commercial wind towers. <i>Energy and Buildings</i> , <b>2011</b> , 43, 1784-1791	7	68
186	New criteria for assessing low wind environment at pedestrian level in Hong Kong. <i>Building and Environment</i> , <b>2017</b> , 123, 23-36	6.5	67
185	Simultaneous environmental parameter monitoring and human subject survey regarding outdoor thermal comfort and its modelling. <i>Building and Environment</i> , <b>2017</b> , 125, 502-514	6.5	66
184	Investigation into sensitivities of factors in outdoor thermal comfort indices. <i>Building and Environment</i> , <b>2018</b> , 128, 129-142	6.5	66
183	The effect of sound on office productivity. <i>Building Services Engineering Research and Technology</i> , <b>2012</b> , 33, 339-345	2.3	60
182	Numerical investigation of wind-induced airflow and interunit dispersion characteristics in multistory residential buildings. <i>Indoor Air</i> , <b>2013</b> , 23, 417-29	5.4	59
181	Recent advances in building acoustics: An overview of prediction methods and their applications. <i>Building and Environment</i> , <b>2015</b> , 91, 118-126	6.5	53
180	CFD simulation of flow in a long street canyon under a perpendicular wind direction: Evaluation of three computational settings. <i>Building and Environment</i> , <b>2017</b> , 114, 293-306	6.5	51
179	Detached eddy simulation of pedestrian-level wind and gust around an elevated building. <i>Building and Environment</i> , <b>2017</b> , 125, 168-179	6.5	51
178	A study of interunit dispersion around multistory buildings with single-sided ventilation under different wind directions. <i>Atmospheric Environment</i> , <b>2014</b> , 88, 1-13	5.3	50

177	A numerical simulation of wing walls using computational fluid dynamics. <i>Energy and Buildings</i> , <b>2007</b> , 39, 995-1002	7	50
176	Wave propagation in a duct with a periodic Helmholtz resonators array. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 131, 1172-82	2.2	48
175	Evaluation of a multi-nodal thermal regulation model for assessment of outdoor thermal comfort: Sensitivity to wind speed and solar radiation. <i>Building and Environment</i> , <b>2018</b> , 132, 45-56	6.5	47
174	From street canyon microclimate to indoor environmental quality in naturally ventilated urban buildings: Issues and possibilities for improvement. <i>Building and Environment</i> , <b>2015</b> , 94, 489-503	6.5	46
173	CFD simulation of flow and dispersion around an isolated building: Effect of inhomogeneous ABL and near-wall treatment. <i>Atmospheric Environment</i> , <b>2013</b> , 77, 568-578	5.3	46
172	The impacts of viaduct settings and street aspect ratios on personal intake fraction in three-dimensional urban-like geometries. <i>Building and Environment</i> , <b>2018</b> , 143, 138-162	6.5	44
171	An extended neck versus a spiral neck of the Helmholtz resonator. <i>Applied Acoustics</i> , <b>2017</b> , 115, 74-80	3.1	44
170	Adopting 'lift-up' building design to improve the surrounding pedestrian-level wind environment. <i>Building and Environment</i> , <b>2017</b> , 117, 154-165	6.5	43
169	Determination of single-sided ventilation rates in multistory buildings: Evaluation of methods. <i>Energy and Buildings</i> , <b>2014</b> , 69, 292-300	7	43
168	Tracer gas is a suitable surrogate of exhaled droplet nuclei for studying airborne transmission in the built environment. <i>Building Simulation</i> , <b>2020</b> , 13, 1-8	3.9	42
167	Evaluation of pedestrian wind comfort near 'lift-up' buildings with different aspect ratios and central core modifications. <i>Building and Environment</i> , <b>2017</b> , 124, 245-257	6.5	42
166	A systematic review of human perceptual dimensions of sound: Meta-analysis of semantic differential method applications to indoor and outdoor sounds. <i>Building and Environment</i> , <b>2018</b> , 133, 123-150	6.5	41
165	A structured approach to overall environmental satisfaction in high-rise residential buildings. <i>Energy and Buildings</i> , <b>2016</b> , 116, 181-189	7	40
164	Numerical evaluation of louver configuration and ventilation strategies for the windcatcher system. <i>Building and Environment</i> , <b>2011</b> , 46, 1600-1616	6.5	40
163	Sound attenuation of a periodic array of micro-perforated tube mufflers. <i>Applied Acoustics</i> , <b>2017</b> , 115, 15-22	3.1	36
162	Analysis of fluctuating characteristics of wind-induced airflow through a single opening using LES modeling and the tracer gas technique. <i>Building and Environment</i> , <b>2014</b> , 80, 249-258	6.5	36
161	Large eddy simulation of wind-induced interunit dispersion around multistory buildings. <i>Indoor Air</i> , <b>2016</b> , 26, 259-73	5.4	36
160	Ventilation of air-conditioned residential buildings: A case study in Hong Kong. <i>Energy and Buildings</i> , <b>2016</b> , 127, 116-127	7	35

159	LES for pedestrian level wind around an idealized building array. Assessment of sensitivity to influencing parameters. <i>Sustainable Cities and Society</i> , <b>2019</b> , 44, 406-415	10.1	35
158	A multi-stage optimization of pedestrian level wind environment and thermal comfort with lift-up design in ideal urban canyons. <i>Sustainable Cities and Society</i> , <b>2019</b> , 46, 101424	10.1	34
157	Evaluation of computational and physical parameters influencing CFD simulations of pollutant dispersion in building arrays. <i>Building and Environment</i> , <b>2018</b> , 137, 90-107	6.5	34
156	CFD simulation of the effect of an upstream building on the inter-unit dispersion in a multi-story building in two wind directions. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2016</b> , 150, 31-41	3.7	34
155	Quantification of luminous comfort with dynamic daylight metrics in residential buildings. <i>Energy and Buildings</i> , <b>2016</b> , 117, 99-108	7	33
154	An assessment model of classroom acoustical environment based on fuzzy comprehensive evaluation method. <i>Applied Acoustics</i> , <b>2017</b> , 127, 292-296	3.1	33
153	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. <i>Environmental Modelling and Software</i> , <b>2014</b> , 60, 57-68	5.2	33
152	Assessment of outdoor thermal comfort in Hong Kong based on the individual desirability and acceptability of sun and wind conditions. <i>Building and Environment</i> , <b>2018</b> , 145, 50-61	6.5	33
151	Large-eddy Simulation of flow and dispersion around an isolated building: Analysis of influencing factors. <i>Computers and Fluids</i> , <b>2015</b> , 118, 89-100	2.8	32
150	Outdoor thermal sensation and logistic regression analysis of comfort range of meteorological parameters in Hong Kong. <i>Building and Environment</i> , <b>2019</b> , 155, 175-186	6.5	30
149	Measurement and prediction of road traffic noise at different building floor levels in Hong Kong. <i>Building Services Engineering Research and Technology</i> , <b>2010</b> , 31, 131-139	2.3	30
148	Improving pedestrian level low wind velocity environment in high-density cities: A general framework and case study. <i>Sustainable Cities and Society</i> , <b>2018</b> , 42, 314-324	10.1	28
147	Acoustic performance of different Helmholtz resonator array configurations. <i>Applied Acoustics</i> , <b>2018</b> , 130, 204-209	3.1	27
146	On-site measurements of ventilation performance and indoor air quality in naturally ventilated high-rise residential buildings in Hong Kong. <i>Indoor and Built Environment</i> , <b>2015</b> , 24, 214-224	1.8	27
145	Towards an integrated method to assess effects of lift-up design on outdoor thermal comfort in Hong Kong. <i>Building and Environment</i> , <b>2017</b> , 125, 261-272	6.5	26
144	A four-part setting on examining the anxiety-provoking capacity of the sound of dental equipment. <i>Noise and Health</i> , <b>2011</b> , 13, 385-91	0.9	26
143	The Effect of Balconies on Ventilation Performance of Low-rise Buildings. <i>Indoor and Built Environment</i> , <b>2011</b> , 20, 649-660	1.8	26
142	Pedestrian-level wind conditions in the space underneath lift-up buildings. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2018</b> , 179, 58-69	3.7	25

141	Noise control zone for a periodic ducted Helmholtz resonator system. <i>Journal of the Acoustical Society of America</i> , <b>2016</b> , 140, EL471	2.2	25
140	Noise attenuation performance improvement by adding Helmholtz resonators on the periodic ducted Helmholtz resonator system. <i>Applied Acoustics</i> , <b>2017</b> , 122, 8-15	3.1	24
139	Helmholtz resonator with a spiral neck. <i>Applied Acoustics</i> , <b>2015</b> , 99, 68-71	3.1	24
138	Application of a multi-variable optimization method to determine lift-up design for optimum wind comfort. <i>Building and Environment</i> , <b>2018</b> , 131, 242-254	6.5	24
137	Noise attenuation capacity of a Helmholtz resonator. <i>Advances in Engineering Software</i> , <b>2018</b> , 116, 60-66	3.6	24
136	Short-term mechanical ventilation of air-conditioned residential buildings: A general design framework and guidelines. <i>Building and Environment</i> , <b>2016</b> , 108, 12-22	6.5	23
135	New static lightshelf system design of clerestory windows for Hong Kong. <i>Building and Environment</i> , <b>2014</b> , 72, 368-376	6.5	23
134	The assessment of the performance of balconies using computational fluid dynamics. <i>Building Services Engineering Research and Technology</i> , <b>2011</b> , 32, 229-243	2.3	23
133	Development of a prediction method for flow-generated noise produced by duct elements in ventilation systems. <i>Applied Acoustics</i> , <b>2002</b> , 63, 81-93	3.1	23
132	Wind-induced single-sided natural ventilation in buildings near a long street canyon: CFD evaluation of street configuration and envelope design. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2018</b> , 172, 96-106	3.7	23
131	Modelling of pedestrian level wind environment on a high-quality mesh: A case study for the HKPolyU campus. <i>Environmental Modelling and Software</i> , <b>2018</b> , 103, 105-119	5.2	22
130	A method for assessing soundscape in urban parks based on the service quality measurement models. <i>Applied Acoustics</i> , <b>2017</b> , 127, 184-193	3.1	22
129	Flow noise from spoilers in ducts. <i>Journal of the Acoustical Society of America</i> , <b>2009</b> , 125, 3756-65	2.2	22
128	A power transmissibility method for assessing the performance of vibration isolation of building services equipment. <i>Applied Acoustics</i> , <b>2002</b> , 63, 1281-1299	3.1	22
127	Roadside air quality and implications for control measures: A case study of Hong Kong. <i>Atmospheric Environment</i> , <b>2016</b> , 137, 6-16	5.3	22
126	A variable forgetting factor diffusion recursive least squares algorithm for distributed estimation. <i>Signal Processing</i> , <b>2017</b> , 140, 219-225	4.4	21
125	Dental Environmental Noise Evaluation and Health Risk Model Construction to Dental Professionals. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	20
124	A turbulence-based prediction technique for flow-generated noise produced by in-duct elements in a ventilation system. <i>Applied Acoustics</i> , <b>2009</b> , 70, 11-20	3.1	20

123	A prediction method for aerodynamic sound produced by multiple elements in air ducts. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 287, 395-403	3.9	20
122	Effects of building height and porosity on pedestrian level wind comfort in a high-density urban built environment. <i>Building Simulation</i> , <b>2018</b> , 11, 1215-1228	3.9	20
121	Hybrid noise control in a duct using a periodic dual Helmholtz resonator array. <i>Applied Acoustics</i> , <b>2018</b> , 134, 119-124	3.1	19
120	A Study of the Ventilation and Thermal Comfort of the Environment Surrounding a New University Building under Construction. <i>Indoor and Built Environment</i> , <b>2012</b> , 21, 568-582	1.8	19
119	A study of coupled flexural-longitudinal wave motion in a periodic dual-beam structure with transverse connection. <i>Journal of the Acoustical Society of America</i> , <b>2009</b> , 126, 114-21	2.2	19
118	Hybrid noise control using multiple Helmholtz resonator arrays. <i>Applied Acoustics</i> , <b>2019</b> , 143, 31-37	3.1	19
117	Acoustic performance of a duct loaded with identical resonators. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 131, EL316-22	2.2	18
116	How indoor environmental quality affects occupants' cognitive functions: A systematic review. <i>Building and Environment</i> , <b>2021</b> , 193, 107647	6.5	18
115	Flow and dispersion in coupled outdoor and indoor environments: Issue of Reynolds number independence. <i>Building and Environment</i> , <b>2019</b> , 150, 119-134	6.5	18
114	Effect of balconies on thermal comfort in wind-induced, naturally ventilated low-rise buildings. <i>Building Services Engineering Research and Technology</i> , <b>2011</b> , 32, 277-292	2.3	17
113	A study of the effect of floor mobility on structure-borne sound power transmission. <i>Building and Environment</i> , <b>2003</b> , 38, 443-455	6.5	16
112	Exploration of applicability of UTCI and thermally comfortable sun and wind conditions outdoors in a subtropical city of Hong Kong. <i>Sustainable Cities and Society</i> , <b>2020</b> , 52, 101793	10.1	16
111	Development of a Dental Anxiety Provoking Scale: A pilot study in Hong Kong. <i>Journal of Dental Sciences</i> , <b>2015</b> , 10, 240-247	2.5	15
110	Particle image velocimetry measurement and CFD simulation of pedestrian level wind environment around U-type street canyon. <i>Building and Environment</i> , <b>2019</b> , 154, 239-251	6.5	14
109	Investigation of interunit dispersion in 2D street canyons: A scaled outdoor experiment. <i>Building and Environment</i> , <b>2020</b> , 171, 106673	6.5	14
108	Potential use of reduced-scale models in CFD simulations to save numerical resources: Theoretical analysis and case study of flow around an isolated building. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2014</b> , 134, 25-29	3.7	14
107	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. <i>Building Acoustics</i> , <b>1998</b> , 5, 123-141	1	14
106	Are the noise levels acceptable in a built environment like Hong Kong?. <i>Noise and Health</i> , <b>2015</b> , 17, 429-399		14

105	Post-occupancy evaluation of sunshades and balconies Effects on luminous comfort through a questionnaire survey. <i>Building Services Engineering Research and Technology</i> , <b>2016</b> , 37, 51-65	2.3	13
104	Near fields of annular slotted hoods measured via 2D-PIV. <i>Building and Environment</i> , <b>2018</b> , 144, 1-8	6.5	13
103	Effect of balconies and upper/lower vents on ventilation and indoor air quality in a wind-induced, naturally ventilated building. <i>Building Services Engineering Research and Technology</i> , <b>2014</b> , 35, 393-407	2.3	13
102	Experimental validation of the sound transmission of rectangular baffled plates with general elastic boundary conditions. <i>Journal of the Acoustical Society of America</i> , <b>2011</b> , 129, EL274-9	2.2	13
101	Application of a movable active vibration control system on a floating raft. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 414, 233-244	3.9	13
100	Disorder in a periodic Helmholtz resonators array. <i>Applied Acoustics</i> , <b>2014</b> , 82, 1-5	3.1	12
99	A preliminary investigation of water usage behavior in single-family homes. <i>Building Simulation</i> , <b>2017</b> , 10, 949-962	3.9	12
98	The effects of elastic supports on the transient vibroacoustic response of a window caused by sonic booms. <i>Journal of the Acoustical Society of America</i> , <b>2011</b> , 130, 783-90	2.2	12
97	A new QR decomposition-based RLS algorithm using the split Bregman method for L1-regularized problems. <i>Signal Processing</i> , <b>2016</b> , 128, 303-308	4.4	11
96	Balancing energy and daylighting performances for envelope design: A new index and proposition of a case study in Hong Kong. <i>Applied Energy</i> , <b>2017</b> , 205, 13-22	10.7	11
95	Prediction of the sound transmission loss of a stiffened window. <i>Building Services Engineering Research and Technology</i> , <b>2013</b> , 34, 359-368	2.3	11
94	Pressure losses across multiple fittings in ventilation ducts. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 195763	2.2	11
93	Effects of environmental sound quality on soundscape preference in a public urban space. <i>Applied Acoustics</i> , <b>2021</b> , 171, 107570	3.1	11
92	Effects of envelope features on wind flow and pollutant exposure in street canyons. <i>Building and Environment</i> , <b>2020</b> , 176, 106862	6.5	10
91	Transient vibration and sound radiation of a stiffened plate. <i>JVC/Journal of Vibration and Control</i> , <b>2013</b> , 19, 1378-1385	2	10
90	Noise level and its influences on dental professionals in a dental hospital in Hong Kong. <i>Building Services Engineering Research and Technology</i> , <b>2017</b> , 38, 522-535	2.3	10
89	A study of power transmissibility for the vibration isolation of coherent vibratory machines on the floor of a building. <i>Applied Acoustics</i> , <b>2010</b> , 71, 368-372	3.1	10
88	Direct measurement of moment mobility and a moment excitation system. <i>Applied Acoustics</i> , <b>2002</b> , 63, 139-151	3.1	10



87	Relationships between indoor environmental quality and environmental factors in university classrooms. <i>Building and Environment</i> , <b>2020</b> , 186, 107331	6.5	10
86	Evaluating flow-field and expelled droplets in the mockup dental clinic during the COVID-19 pandemic. <i>Physics of Fluids</i> , <b>2021</b> , 33, 047111	4.4	10
85	Development of a multi-nodal thermal regulation and comfort model for the outdoor environment assessment. <i>Building and Environment</i> , <b>2020</b> , 176, 106809	6.5	10
84	Thermal comfort study in prefab construction site office in subtropical China. <i>Energy and Buildings</i> , <b>2020</b> , 217, 109958	7	10
83	An investigation of speech intelligibility for second language students in classrooms. <i>Applied Acoustics</i> , <b>2018</b> , 134, 54-59	3.1	9
82	A methodology for direct identification of characteristic wave-types in a finite periodic dual-layer structure with transverse connection. <i>JVC/Journal of Vibration and Control</i> , <b>2012</b> , 18, 1406-1414	2	9
81	A Review of Prediction Methods for the Transient Vibration and Sound Radiation of Plates. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , <b>2013</b> , 32, 309-322	1.5	9
80	Early energy decays in two churches in Hong Kong. <i>Applied Acoustics</i> , <b>2009</b> , 70, 579-587	3.1	9
79	Effect of viscous damping on power transmissibility for the vibration isolation of building services equipment. <i>Applied Acoustics</i> , <b>2006</b> , 67, 733-742	3.1	9
78	A Study of the Effect of Floor Mobility on Isolation Efficiency of Vibration Isolators. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , <b>2001</b> , 20, 1-13	1.5	9
77	Effects of building layouts and envelope features on wind flow and pollutant exposure in height-asymmetric street canyons. <i>Building and Environment</i> , <b>2021</b> , 205, 108177	6.5	9
76	Noise Attenuation Performance of a Helmholtz Resonator Array Consist of Several Periodic Parts. <i>Sensors</i> , <b>2017</b> , 17,	3.8	8
75	Estimation of Best Mounting Positions for Vibratory Equipment in Buildings. <i>JVC/Journal of Vibration and Control</i> , <b>2011</b> , 17, 301-310	2	8
74	A Study of Natural Ventilation in a Kitchen Using Computational Fluid Dynamics (CFD). <i>Architectural Science Review</i> , <b>2002</b> , 45, 183-190	2.6	8
73	Computational fluid dynamics simulation of wind-driven inter-unit dispersion around multi-storey buildings: Upstream building effect. <i>Indoor and Built Environment</i> , <b>2019</b> , 28, 217-234	1.8	8
72	Assessment of 'lift-up' design's impact on thermal perceptions in the transition process from indoor to outdoor. <i>Sustainable Cities and Society</i> , <b>2020</b> , 56, 102081	10.1	7
71	The influence of envelope features on interunit dispersion around a naturally ventilated multi-story building. <i>Building Simulation</i> , <b>2018</b> , 11, 1245-1253	3.9	7
70	A comprehensive approach to study stack emissions from a research building in a small urban setting. <i>Sustainable Cities and Society</i> , <b>2019</b> , 51, 101710	10.1	7



69	Pollutant dispersion in a natural ventilated dental clinic. <i>Building Services Engineering Research and Technology</i> , <b>2013</b> , 34, 245-258	2.3	7
68	Sustainable noise control system design for building ventilation systems. <i>Indoor and Built Environment</i> , <b>2015</b> , 24, 128-137	1.8	6
67	Prediction of flow noise from in-duct spoilers using computational fluid dynamics. <i>Applied Acoustics</i> , <b>2014</b> , 76, 386-390	3.1	6
66	On-site evaluation of pedestrian-level air quality at a U-type street canyon in an ancient city. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2017</b> , 168, 322-333	3.7	6
65	Prediction of flow-generated noise produced by acoustic and aerodynamic interactions of multiple in-duct elements. <i>Applied Acoustics</i> , <b>2008</b> , 69, 566-573	3.1	6
64	A further study of a mathematical model for a screen in open-plan offices. <i>Applied Acoustics</i> , <b>2008</b> , 69, 1114-1119	3.1	6
63	The Application of Computational Fluid Dynamics to the Assessment of Green Features in Buildings: Part 1: Wing Walls. <i>Architectural Science Review</i> , <b>2005</b> , 48, 121-134	2.6	6
62	The Application of Computational Fluid Dynamics to the Assessment of Green Features in Buildings: Part 2: Communal Sky Gardens. <i>Architectural Science Review</i> , <b>2005</b> , 48, 337-344	2.6	6
61	A New Parametric Adaptive Nonstationarity Detector and Application. <i>IEEE Transactions on Signal Processing</i> , <b>2017</b> , 65, 5203-5214	4.8	5
60	Optimization of natural frequencies of a plate structure by modifying boundary conditions. <i>Journal of the Acoustical Society of America</i> , <b>2017</b> , 142, EL56	2.2	5
59	An indicator for the assessment of isolation performance of transient vibration. <i>JVC/Journal of Vibration and Control</i> , <b>2013</b> , 19, 2459-2468	2	5
58	The Prediction of Airflow Generated Noise in Ventilation Systems. <i>Building Acoustics</i> , <b>1997</b> , 4, 275-294	1	5
57	Improving speech intelligibility in classrooms through the mirror image model. <i>Applied Acoustics</i> , <b>2008</b> , 69, 945-950	3.1	5
56	A further study of the prediction method for aerodynamic sound produced by two in-duct elements. <i>Journal of Sound and Vibration</i> , <b>2006</b> , 294, 374-380	3.9	5
55	TRAFFIC NOISE MEASUREMENT AND PREDICTION OF THE BARRIER EFFECT ON TRAFFIC NOISE AT DIFFERENT BUILDING LEVELS. <i>Environmental Engineering and Management Journal</i> , <b>2013</b> , 12, 449-456	0.6	5
54	Adaptive-passive vibration isolation between nonrigid machines and nonrigid foundations using a dual-beam periodic structure with shape memory alloy transverse connection. <i>Journal of Sound and Vibration</i> , <b>2014</b> , 333, 6005-6023	3.9	4
53	How to choose a better envelope design? A balance between energy and daylighting performance. <i>Procedia Engineering</i> , <b>2017</b> , 205, 1027-1033		4
52	Minimizing the transient vibroacoustic response of a window to sonic booms by using stiffeners. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 135, 1672-5	2.2	4

51	Prediction of flow-generated noise produced by an in-duct spoiler in a ventilation system using CIBSE Guide B5 methods. <i>Building Services Engineering Research and Technology</i> , <b>2009</b> , 30, 153-167	2.3	4
50	Assessment of the stability of isolated vibratory building services systems and the use of inertia blocks. <i>Building and Environment</i> , <b>2010</b> , 45, 758-765	6.5	4
49	Is the CRTN Method Reliable and Accurate for Traffic Noise Prediction in Hong Kong?. <i>HKIE Transactions</i> , <b>2008</b> , 15, 17-23	2.9	4
48	Optimization of geometrical parameters for a supporting structure with two installed coherent machines. <i>Applied Acoustics</i> , <b>2017</b> , 127, 15-23	3.1	4
47	The perceptual and behavioral influence on dental professionals from the noise in their workplace. <i>Applied Acoustics</i> , <b>2020</b> , 161, 107164	3.1	4
46	Effects of acoustical descriptors on speech intelligibility in Hong Kong classrooms. <i>Applied Acoustics</i> , <b>2021</b> , 171, 107678	3.1	4
45	Integrated impacts of building height and upstream building on pedestrian comfort around ideal lift-up buildings in a weak wind environment. <i>Building and Environment</i> , <b>2021</b> , 200, 107963	6.5	4
44	An active vibration control system with decoupling scheme for linear periodically time-varying systems. <i>JVC/Journal of Vibration and Control</i> , <b>2016</b> , 22, 2370-2379	2	3
43	Development of a subjective scale for sound quality assessments in building acoustics. <i>Journal of Building Engineering</i> , <b>2020</b> , 29, 101177	5.2	3
42	Generalized flow-generated noise prediction method for multiple elements in air ducts. <i>Applied Acoustics</i> , <b>2018</b> , 135, 136-141	3.1	3
41	The theoretical fundamentals of an adaptive active control using periodic Helmholtz resonators for duct-borne transmission noise in ventilation systems. <i>Building Services Engineering Research and Technology</i> , <b>2013</b> , 34, 195-201	2.3	3
40	The effects of fluid loading and elastic supports on the transmission of low-frequency noise through a single-pane window. <i>Noise Control Engineering Journal</i> , <b>2010</b> , 58, 187	0.6	3
39	Normalised spectrum for flow-generated noise prediction using computational fluid dynamics. <i>Building Services Engineering Research and Technology</i> , <b>2009</b> , 30, 319-328	2.3	3
38	Error due to two-force excitation in moment mobility measurement. <i>Applied Acoustics</i> , <b>2007</b> , 68, 1494-1501	3	3
37	Effects of different wind directions on ventilation of surrounding areas of two generic building configurations in Hong Kong. <i>Indoor and Built Environment</i> , 1420326X2110160	1.8	3
36	Numerical evaluation of pedestrian-level wind comfort around lift-up buildings with various unconventional configurations. <i>Building and Environment</i> , <b>2021</b> , 188, 107429	6.5	3
35	Effects of wind direction and building array arrangement on airflow and contaminant distributions in the central space of buildings. <i>Building and Environment</i> , <b>2021</b> , 205, 108234	6.5	3
34	Optimization of geometrical parameters for periodical structures applied to floating raft systems by genetic algorithms. <i>Applied Acoustics</i> , <b>2018</b> , 129, 108-115	3.1	2

33	Pedestrian Level Turbulent Wind Flow around an Elevated Building. <i>Procedia Engineering</i> , <b>2017</b> , 205, 1004-1010		2
32	Experimental study of coupled vibration in a finite periodic dual-layered structure with transverse connection. <i>Applied Acoustics</i> , <b>2011</b> , 72, 287-296	3.1	2
31	Problems Encountered in the Prediction of Flow-Generated Noise in HVAC Air Distribution Systems. <i>Architectural Science Review</i> , <b>2002</b> , 45, 371-374	2.6	2
30	The Application of Computational Fluid Dynamics to the Prediction of Flow Generated Noise: Part 2: Turbulence-Based Prediction Technique. <i>Building Acoustics</i> , <b>1998</b> , 5, 201-215	1	2
29	An investigation of acoustic environments in large and medium-sized open-plan offices in China. <i>Applied Acoustics</i> , <b>2022</b> , 186, 108447	3.1	2
28	Enlightenment of re-entry airflow: The path of the airflow and the airborne pollutants transmission in buildings. <i>Building and Environment</i> , <b>2021</b> , 195, 107760	6.5	2
27	Modification of boundary condition for the optimization of natural frequencies of plate structures with fluid loading. <i>Advances in Mechanical Engineering</i> , <b>2018</b> , 10, 168781401879600	1.2	2
26	Effect of lift-up design on pedestrian level wind comfort around isolated building under different wind directions. <i>Procedia Engineering</i> , <b>2017</b> , 205, 296-301		1
25	New Variable Regularized Partial Update Affine Projection Algorithms for Distributed Estimation <b>2017</b> ,		1
24	Simulation Analysis of Transmission Loss in the Vibrating End Plate of an Expansion Chamber Silencer. <i>Acta Acustica United With Acustica</i> , <b>2008</b> , 94, 765-768	1.5	1
23	A study of the effect of inertia blocks on the stability of the vibratory system and the performance of vibration isolation. <i>Applied Acoustics</i> , <b>2007</b> , 68, 1511-1524	3.1	1
22	An analytical model to estimate the performance of an indoor barrier at low-medium frequencies. <i>Applied Acoustics</i> , <b>2008</b> , 69, 1343-1349	3.1	1
21	Development of an Insertion Loss for Vibration Isolation of Building Services Equipment. <i>Architectural Science Review</i> , <b>2003</b> , 46, 193-205	2.6	1
20	Acoustics: Part 2. <i>Building Services Engineering Research and Technology</i> , <b>1995</b> , 16, B25-B40	2.3	1
19	Scaled outdoor experimental analysis of ventilation and interunit dispersion with wind and buoyancy effects in street canyons. <i>Energy and Buildings</i> , <b>2021</b> , 111688	7	1
18	Dynamic effects of frequent step changes in outdoor microclimate environments on thermal sensation and dissatisfaction of pedestrian during summer. <i>Sustainable Cities and Society</i> , <b>2022</b> , 79, 103670	10.1	1
17	Attenuation Performance of a Semi-Active Helmholtz Resonator in a Grazing Flow Duct. <i>Open Journal of Acoustics</i> , <b>2013</b> , 03, 25-29	0.1	1
16	Acoustical measurements and prediction of psychoacoustic metrics with spatial variation. <i>Applied Acoustics</i> , <b>2020</b> , 168, 107450	3.1	1

15	Restoration of dental services after COVID-19: The fallow time determination with laser light scattering. <i>Sustainable Cities and Society</i> , <b>2021</b> , 74, 103134	10.1	1
14	How the high-volume evacuation alters the flow-field and particle removal characteristics in the mock-up dental clinic. <i>Building and Environment</i> , <b>2021</b> , 205, 108225	6.5	1
13	Prediction of the Performance of the Expansion Chamber in Air Ducts. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , <b>2006</b> , 25, 185-193	1.5	0
12	Comparisons of Respondent Thermal Perceptions in Underneath-elevated-building (UEB) Areas and Direct-radiated (DR) Areas. <i>Procedia Engineering</i> , <b>2017</b> , 205, 4165-4171		
11	A Study of Power Transmission through a Finite Periodic Dual-Layer Beam Structure with Transverse Connection. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , <b>2013</b> , 32, 177-188	1.5	
10	A Numerical Study of the Diffusion Performance of a Terraced Classroom. <i>Acta Acustica United With Acustica</i> , <b>2011</b> , 97, 890-899	1.5	
9	The Effect of a Concrete Plinth on Structure-Borne Sound Power Transmission: Theory and Numeric Simulations. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , <b>2011</b> , 30, 107-123	1.5	
8	Prediction of the absorption exponent in rectangular enclosures with a single absorbent boundary. <i>Applied Acoustics</i> , <b>2009</b> , 70, 297-299	3.1	
7	An examination of the steady-state solution of the differential equation governing indoor sound fields. <i>Applied Acoustics</i> , <b>2009</b> , 70, 194-199	3.1	
6	Development of Computer Software for Predicting Flow-generated Noise Produced by In-duct Elements in Ventilation Systems. <i>Architectural Science Review</i> , <b>2006</b> , 49, 252-257	2.6	
5	Development of Software for Predicting the Acoustic Attenuation Performance of Expansion Chambers in Duct Systems. <i>Architectural Science Review</i> , <b>2006</b> , 49, 258-262	2.6	
4	Application of Computer Modelling Technique to the Study of the Effect of Vibratory Rooftop Equipment on Indoor Acoustical Environment. <i>Architectural Science Review</i> , <b>2003</b> , 46, 187-191	2.6	
3	Generalised Prediction Methods for Flow-generated Noise Produced by Multiple In-duct Elements. <i>HKIE Transactions</i> , <b>2005</b> , 12, 23-26	2.9	
2	Analysis of urban road traffic noise exposure of residential buildings in hong kong over the past decade. <i>Noise and Health</i> , <b>2019</b> , 21, 142-154	0.9	
1	A combined sound field prediction method in small classrooms. <i>Building Services Engineering Research and Technology</i> , <b>2021</b> , 42, 375-388	2.3	