

Cheuk Ming Mak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , 2022 , 79, 103670	10.1	1
193	An investigation of acoustic environments in large and medium-sized open-plan offices in China. <i>Applied Acoustics</i> , 2022 , 186, 108447	3.1	2
192	Scaled outdoor experimental analysis of ventilation and interunit dispersion with wind and buoyancy effects in street canyons. <i>Energy and Buildings</i> , 2021 , 111688	7	1
191	Evaluating flow-field and expelled droplets in the mockup dental clinic during the COVID-19 pandemic. <i>Physics of Fluids</i> , 2021 , 33, 047111	4.4	10
190	How indoor environmental quality affects occupants' cognitive functions: A systematic review. <i>Building and Environment</i> , 2021 , 193, 107647	6.5	18
189	Enlightenment of re-entry airflow: The path of the airflow and the airborne pollutants transmission in buildings. <i>Building and Environment</i> , 2021 , 195, 107760	6.5	2
188	Numerical evaluation of pedestrian-level wind comfort around lift-up buildings with various unconventional configurations. <i>Building and Environment</i> , 2021 , 188, 107429	6.5	3
187	Effects of acoustical descriptors on speech intelligibility in Hong Kong classrooms. <i>Applied Acoustics</i> , 2021 , 171, 107678	3.1	4
186	Effects of environmental sound quality on soundscape preference in a public urban space. <i>Applied Acoustics</i> , 2021 , 171, 107570	3.1	11
185	A combined sound field prediction method in small classrooms. <i>Building Services Engineering Research and Technology</i> , 2021 , 42, 375-388	2.3	
184	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> , 2021 , 200, 107963	6.5	4
183	Restoration of dental services after COVID-19: The fallow time determination with laser light scattering. <i>Sustainable Cities and Society</i> , 2021 , 74, 103134	10.1	1
182	Effects of wind direction and building array arrangement on airflow and contaminant distributions in the central space of buildings. <i>Building and Environment</i> , 2021 , 205, 108234	6.5	3
181	How the high-volume evacuation alters the flow-field and particle removal characteristics in the mock-up dental clinic. <i>Building and Environment</i> , 2021 , 205, 108225	6.5	1
180	Effects of building layouts and envelope features on wind flow and pollutant exposure in height-asymmetric street canyons. <i>Building and Environment</i> , 2021 , 205, 108177	6.5	9
179	Tracer gas is a suitable surrogate of exhaled droplet nuclei for studying airborne transmission in the built environment. <i>Building Simulation</i> , 2020 , 13, 1-8	3.9	42
178	Assessment of lift-up design impact on thermal perceptions in the transition process from indoor to outdoor. <i>Sustainable Cities and Society</i> , 2020 , 56, 102081	10.1	7

177	Investigation of interunit dispersion in 2D street canyons: A scaled outdoor experiment. <i>Building and Environment</i> , 2020 , 171, 106673	6.5	14
176	Development of a subjective scale for sound quality assessments in building acoustics. <i>Journal of Building Engineering</i> , 2020 , 29, 101177	5.2	3
175	Effects of envelope features on wind flow and pollutant exposure in street canyons. <i>Building and Environment</i> , 2020 , 176, 106862	6.5	10
174	The perceptual and behavioral influence on dental professionals from the noise in their workplace. <i>Applied Acoustics</i> , 2020 , 161, 107164	3.1	4
173	Relationships between indoor environmental quality and environmental factors in university classrooms. <i>Building and Environment</i> , 2020 , 186, 107331	6.5	10
172	Acoustical measurements and prediction of psychoacoustic metrics with spatial variation. <i>Applied Acoustics</i> , 2020 , 168, 107450	3.1	1
171	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> , 2020 , 52, 101793	10.1	16
170	Development of a multi-nodal thermal regulation and comfort model for the outdoor environment assessment. <i>Building and Environment</i> , 2020 , 176, 106809	6.5	10
169	Thermal comfort study in prefab construction site office in subtropical China. <i>Energy and Buildings</i> , 2020 , 217, 109958	7	10
168	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> , 2019 , 46, 101424	10.1	34
167	Particle image velocimetry measurement and CFD simulation of pedestrian level wind environment around U-type street canyon. <i>Building and Environment</i> , 2019 , 154, 239-251	6.5	14
166	Outdoor thermal sensation and logistic regression analysis of comfort range of meteorological parameters in Hong Kong. <i>Building and Environment</i> , 2019 , 155, 175-186	6.5	30
165	A comprehensive approach to study stack emissions from a research building in a small urban setting. <i>Sustainable Cities and Society</i> , 2019 , 51, 101710	10.1	7
164	Analysis of urban road traffic noise exposure of residential buildings in hong kong over the past decade. <i>Noise and Health</i> , 2019 , 21, 142-154	0.9	
163	Hybrid noise control using multiple Helmholtz resonator arrays. <i>Applied Acoustics</i> , 2019 , 143, 31-37	3.1	19
162	LES for pedestrian level wind around an idealized building array Assessment of sensitivity to influencing parameters. <i>Sustainable Cities and Society</i> , 2019 , 44, 406-415	10.1	35
161	Numerical evaluations of urban design technique to reduce vehicular personal intake fraction in deep street canyons. <i>Science of the Total Environment</i> , 2019 , 653, 968-994	10.2	81
160	Flow and dispersion in coupled outdoor and indoor environments: Issue of Reynolds number independence. <i>Building and Environment</i> , 2019 , 150, 119-134	6.5	18

159	Investigation into the differences among several outdoor thermal comfort indices against field survey in subtropics. <i>Sustainable Cities and Society</i> , 2019 , 44, 676-690	10.1	79
158	Computational fluid dynamics simulation of wind-driven inter-unit dispersion around multi-storey buildings: Upstream building effect. <i>Indoor and Built Environment</i> , 2019 , 28, 217-234	1.8	8
157	Modelling of pedestrian level wind environment on a high-quality mesh: A case study for the HKPolyU campus. <i>Environmental Modelling and Software</i> , 2018 , 103, 105-119	5.2	22
156	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> , 2018 , 133, 123-150	6.5	41
155	Generalized flow-generated noise prediction method for multiple elements in air ducts. <i>Applied Acoustics</i> , 2018 , 135, 136-141	3.1	3
154	Evaluation of computational and physical parameters influencing CFD simulations of pollutant dispersion in building arrays. <i>Building and Environment</i> , 2018 , 137, 90-107	6.5	34
153	An investigation of speech intelligibility for second language students in classrooms. <i>Applied Acoustics</i> , 2018 , 134, 54-59	3.1	9
152	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> , 2018 , 132, 45-56	6.5	47
151	Application of a multi-variable optimization method to determine lift-up design for optimum wind comfort. <i>Building and Environment</i> , 2018 , 131, 242-254	6.5	24
150	Hybrid noise control in a duct using a periodic dual Helmholtz resonator array. <i>Applied Acoustics</i> , 2018 , 134, 119-124	3.1	19
149	Optimization of geometrical parameters for periodical structures applied to floating raft systems by genetic algorithms. <i>Applied Acoustics</i> , 2018 , 129, 108-115	3.1	2
148	Acoustic performance of different Helmholtz resonator array configurations. <i>Applied Acoustics</i> , 2018 , 130, 204-209	3.1	27
147	The impacts of viaduct settings and street aspect ratios on personal intake fraction in three-dimensional urban-like geometries. <i>Building and Environment</i> , 2018 , 143, 138-162	6.5	44
146	The influence of envelope features on interunit dispersion around a naturally ventilated multi-story building. <i>Building Simulation</i> , 2018 , 11, 1245-1253	3.9	7
145	Improving pedestrian level low wind velocity environment in high-density cities: A general framework and case study. <i>Sustainable Cities and Society</i> , 2018 , 42, 314-324	10.1	28
144	Near fields of annular slotted hoods measured via 2D-PIV. <i>Building and Environment</i> , 2018 , 144, 1-8	6.5	13
143	Pedestrian-level wind conditions in the space underneath lift-up buildings. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 179, 58-69	3.7	25
142	Investigation into sensitivities of factors in outdoor thermal comfort indices. <i>Building and Environment</i> , 2018 , 128, 129-142	6.5	66

141	Application of a movable active vibration control system on a floating raft. <i>Journal of Sound and Vibration</i> , 2018 , 414, 233-244	3.9	13
140	Noise attenuation capacity of a Helmholtz resonator. <i>Advances in Engineering Software</i> , 2018 , 116, 60-66	3.6	24
139	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> , 2018 , 172, 96-106	3.7	23
138	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> , 2018 , 145, 50-61	6.5	33
137	Modification of boundary condition for the optimization of natural frequencies of plate structures with fluid loading. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401879600	1.2	2
136	Effects of building height and porosity on pedestrian level wind comfort in a high-density urban built environment. <i>Building Simulation</i> , 2018 , 11, 1215-1228	3.9	20
135	Adopting 'lift-up' building design to improve the surrounding pedestrian-level wind environment. <i>Building and Environment</i> , 2017 , 117, 154-165	6.5	43
134	Effects of lift-up design on pedestrian level wind comfort in different building configurations under three wind directions. <i>Building and Environment</i> , 2017 , 117, 84-99	6.5	78
133	Noise attenuation performance improvement by adding Helmholtz resonators on the periodic ducted Helmholtz resonator system. <i>Applied Acoustics</i> , 2017 , 122, 8-15	3.1	24
132	A variable forgetting factor diffusion recursive least squares algorithm for distributed estimation. <i>Signal Processing</i> , 2017 , 140, 219-225	4.4	21
131	New criteria for assessing low wind environment at pedestrian level in Hong Kong. <i>Building and Environment</i> , 2017 , 123, 23-36	6.5	67
130	CFD simulation of flow in a long street canyon under a perpendicular wind direction: Evaluation of three computational settings. <i>Building and Environment</i> , 2017 , 114, 293-306	6.5	51
129	Detached eddy simulation of pedestrian-level wind and gust around an elevated building. <i>Building and Environment</i> , 2017 , 125, 168-179	6.5	51
128	Simultaneous environmental parameter monitoring and human subject survey regarding outdoor thermal comfort and its modelling. <i>Building and Environment</i> , 2017 , 125, 502-514	6.5	66
127	Towards an integrated method to assess effects of lift-up design on outdoor thermal comfort in Hong Kong. <i>Building and Environment</i> , 2017 , 125, 261-272	6.5	26
126	An assessment model of classroom acoustical environment based on fuzzy comprehensive evaluation method. <i>Applied Acoustics</i> , 2017 , 127, 292-296	3.1	33
125	Balancing energy and daylighting performances for envelope design: A new index and proposition of a case study in Hong Kong. <i>Applied Energy</i> , 2017 , 205, 13-22	10.7	11
124	Evaluation of pedestrian wind comfort near 'lift-up' buildings with different aspect ratios and central core modifications. <i>Building and Environment</i> , 2017 , 124, 245-257	6.5	42

123	A preliminary investigation of water usage behavior in single-family homes. <i>Building Simulation</i> , 2017 , 10, 949-962	3.9	12
122	Pedestrian Level Turbulent Wind Flow around an Elevated Building. <i>Procedia Engineering</i> , 2017 , 205, 1004-1010		2
121	Noise level and its influences on dental professionals in a dental hospital in Hong Kong. <i>Building Services Engineering Research and Technology</i> , 2017 , 38, 522-535	2.3	10
120	A New Parametric Adaptive Nonstationarity Detector and Application. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 5203-5214	4.8	5
119	Optimization of natural frequencies of a plate structure by modifying boundary conditions. <i>Journal of the Acoustical Society of America</i> , 2017 , 142, EL56	2.2	5
118	A method for assessing soundscape in urban parks based on the service quality measurement models. <i>Applied Acoustics</i> , 2017 , 127, 184-193	3.1	22
117	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> , 2017 , 168, 322-333	3.7	6
116	The impact of indoor environmental quality on work productivity in university open-plan research offices. <i>Building and Environment</i> , 2017 , 124, 78-89	6.5	91
115	Sound attenuation of a periodic array of micro-perforated tube mufflers. <i>Applied Acoustics</i> , 2017 , 115, 15-22	3.1	36
114	An extended neck versus a spiral neck of the Helmholtz resonator. <i>Applied Acoustics</i> , 2017 , 115, 74-80	3.1	44
113	Effect of lift-up design on pedestrian level wind comfort around isolated building under different wind directions. <i>Procedia Engineering</i> , 2017 , 205, 296-301		1
112	Comparisons of Respondent Thermal Perceptions in Underneath-elevated-building (UEB) Areas and Direct-radiated (DR) Areas. <i>Procedia Engineering</i> , 2017 , 205, 4165-4171		
111	How to choose a better envelope design? A balance between energy and daylighting performance. <i>Procedia Engineering</i> , 2017 , 205, 1027-1033		4
110	New Variable Regularized Partial Update Affine Projection Algorithms for Distributed Estimation 2017 ,		1
109	Dental Environmental Noise Evaluation and Health Risk Model Construction to Dental Professionals. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	20
108	Noise Attenuation Performance of a Helmholtz Resonator Array Consist of Several Periodic Parts. <i>Sensors</i> , 2017 , 17,	3.8	8
107	Optimization of geometrical parameters for a supporting structure with two installed coherent machines. <i>Applied Acoustics</i> , 2017 , 127, 15-23	3.1	4
106	An active vibration control system with decoupling scheme for linear periodically time-varying systems. <i>JVC/Journal of Vibration and Control</i> , 2016 , 22, 2370-2379	2	3

105	Short-term mechanical ventilation of air-conditioned residential buildings: A general design framework and guidelines. <i>Building and Environment</i> , 2016 , 108, 12-22	6.5	23
104	Ventilation of air-conditioned residential buildings: A case study in Hong Kong. <i>Energy and Buildings</i> , 2016 , 127, 116-127	7	35
103	Post-occupancy evaluation of sunshades and balconies Effects on luminous comfort through a questionnaire survey. <i>Building Services Engineering Research and Technology</i> , 2016 , 37, 51-65	2.3	13
102	A new QR decomposition-based RLS algorithm using the split Bregman method for L1-regularized problems. <i>Signal Processing</i> , 2016 , 128, 303-308	4.4	11
101	A structured approach to overall environmental satisfaction in high-rise residential buildings. <i>Energy and Buildings</i> , 2016 , 116, 181-189	7	40
100	Quantification of luminous comfort with dynamic daylight metrics in residential buildings. <i>Energy and Buildings</i> , 2016 , 117, 99-108	7	33
99	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> , 2016 , 150, 31-41	3.7	34
98	Large eddy simulation of wind-induced interunit dispersion around multistory buildings. <i>Indoor Air</i> , 2016 , 26, 259-73	5.4	36
97	Noise control zone for a periodic ducted Helmholtz resonator system. <i>Journal of the Acoustical Society of America</i> , 2016 , 140, EL471	2.2	25
96	Roadside air quality and implications for control measures: A case study of Hong Kong. <i>Atmospheric Environment</i> , 2016 , 137, 6-16	5.3	22
95	Helmholtz resonator with a spiral neck. <i>Applied Acoustics</i> , 2015 , 99, 68-71	3.1	24
94	Sustainable noise control system design for building ventilation systems. <i>Indoor and Built Environment</i> , 2015 , 24, 128-137	1.8	6
93	Large-eddy Simulation of flow and dispersion around an isolated building: Analysis of influencing factors. <i>Computers and Fluids</i> , 2015 , 118, 89-100	2.8	32
92	Recent advances in building acoustics: An overview of prediction methods and their applications. <i>Building and Environment</i> , 2015 , 91, 118-126	6.5	53
91	From street canyon microclimate to indoor environmental quality in naturally ventilated urban buildings: Issues and possibilities for improvement. <i>Building and Environment</i> , 2015 , 94, 489-503	6.5	46
90	Development of a Dental Anxiety Provoking Scale: A pilot study in Hong Kong. <i>Journal of Dental Sciences</i> , 2015 , 10, 240-247	2.5	15
89	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> , 2015 , 24, 214-224	1.8	27
88	A new method to assess spatial variations of outdoor thermal comfort: Onsite monitoring results and implications for precinct planning. <i>Building and Environment</i> , 2015 , 91, 263-270	6.5	101

87	Are the noise levels acceptable in a built environment like Hong Kong?. <i>Noise and Health</i> , 2015 , 17, 429-399		14
86	Determination of single-sided ventilation rates in multistory buildings: Evaluation of methods. <i>Energy and Buildings</i> , 2014 , 69, 292-300	7	43
85	Prediction of flow noise from in-duct spoilers using computational fluid dynamics. <i>Applied Acoustics</i> , 2014 , 76, 386-390	3.1	6
84	New static lightshelf system design of clerestory windows for Hong Kong. <i>Building and Environment</i> , 2014 , 72, 368-376	6.5	23
83	The effects of daylighting and human behavior on luminous comfort in residential buildings: A questionnaire survey. <i>Building and Environment</i> , 2014 , 81, 51-59	6.5	83
82	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> , 2014 , 333, 6005-6023	3.9	4
81	A study of interunit dispersion around multistory buildings with single-sided ventilation under different wind directions. <i>Atmospheric Environment</i> , 2014 , 88, 1-13	5.3	50
80	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> , 2014 , 134, 25-29	3.7	14
79	Disorder in a periodic Helmholtz resonators array. <i>Applied Acoustics</i> , 2014 , 82, 1-5	3.1	12
78	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> , 2014 , 60, 57-68	5.2	33
77	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> , 2014 , 80, 249-258	6.5	36
76	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> , 2014 , 35, 393-407	2.3	13
75	Minimizing the transient vibroacoustic response of a window to sonic booms by using stiffeners. <i>Journal of the Acoustical Society of America</i> , 2014 , 135, 1672-5	2.2	4
74	CFD simulation of flow and dispersion around an isolated building: Effect of inhomogeneous ABL and near-wall treatment. <i>Atmospheric Environment</i> , 2013 , 77, 568-578	5.3	46
73	Numerical investigation of wind-induced airflow and interunit dispersion characteristics in multistory residential buildings. <i>Indoor Air</i> , 2013 , 23, 417-29	5.4	59
72	Transient vibration and sound radiation of a stiffened plate. <i>JVC/Journal of Vibration and Control</i> , 2013 , 19, 1378-1385	2	10
71	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> , 2013 , 32, 309-322	1.5	9
70	Pollutant dispersion in a natural ventilated dental clinic. <i>Building Services Engineering Research and Technology</i> , 2013 , 34, 245-258	2.3	7

69	Prediction of the sound transmission loss of a stiffened window. <i>Building Services Engineering Research and Technology</i> , 2013 , 34, 359-368	2.3	11
68	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> , 2013 , 34, 195-201	2.3	3
67	An indicator for the assessment of isolation performance of transient vibration. <i>JVC/Journal of Vibration and Control</i> , 2013 , 19, 2459-2468	2	5
66	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> , 2013 , 32, 177-188	1.5	
65	Pressure losses across multiple fittings in ventilation ducts. <i>Scientific World Journal, The</i> , 2013 , 2013, 195763	2.2	11
64	TRAFFIC NOISE MEASUREMENT AND PREDICTION OF THE BARRIER EFFECT ON TRAFFIC NOISE AT DIFFERENT BUILDING LEVELS. <i>Environmental Engineering and Management Journal</i> , 2013 , 12, 449-456	0.6	5
63	Attenuation Performance of a Semi-Active Helmholtz Resonator in a Grazing Flow Duct. <i>Open Journal of Acoustics</i> , 2013 , 03, 25-29	0.1	1
62	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> , 2012 , 18, 1406-1414	2	9
61	A Study of the Ventilation and Thermal Comfort of the Environment Surrounding a New University Building under Construction. <i>Indoor and Built Environment</i> , 2012 , 21, 568-582	1.8	19
60	Wave propagation in a duct with a periodic Helmholtz resonators array. <i>Journal of the Acoustical Society of America</i> , 2012 , 131, 1172-82	2.2	48
59	Acoustic performance of a duct loaded with identical resonators. <i>Journal of the Acoustical Society of America</i> , 2012 , 131, EL316-22	2.2	18
58	The effect of sound on office productivity. <i>Building Services Engineering Research and Technology</i> , 2012 , 33, 339-345	2.3	60
57	A Numerical Study of the Diffusion Performance of a Terraced Classroom. <i>Acta Acustica United With Acustica</i> , 2011 , 97, 890-899	1.5	
56	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> , 2011 , 30, 107-123	1.5	
55	Numerical evaluation of louver configuration and ventilation strategies for the windcatcher system. <i>Building and Environment</i> , 2011 , 46, 1600-1616	6.5	40
54	Estimation of Best Mounting Positions for Vibratory Equipment in Buildings. <i>JVC/Journal of Vibration and Control</i> , 2011 , 17, 301-310	2	8
53	A study of wind and buoyancy driven flows through commercial wind towers. <i>Energy and Buildings</i> , 2011 , 43, 1784-1791	7	68
52	Experimental study of coupled vibration in a finite periodic dual-layered structure with transverse connection. <i>Applied Acoustics</i> , 2011 , 72, 287-296	3.1	2

51	The assessment of the performance of balconies using computational fluid dynamics. <i>Building Services Engineering Research and Technology</i> , 2011 , 32, 229-243	2.3	23
50	A four-part setting on examining the anxiety-provoking capacity of the sound of dental equipment. <i>Noise and Health</i> , 2011 , 13, 385-91	0.9	26
49	The Effect of Balconies on Ventilation Performance of Low-rise Buildings. <i>Indoor and Built Environment</i> , 2011 , 20, 649-660	1.8	26
48	Effect of balconies on thermal comfort in wind-induced, naturally ventilated low-rise buildings. <i>Building Services Engineering Research and Technology</i> , 2011 , 32, 277-292	2.3	17
47	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> , 2011 , 130, 783-90	2.2	12
46	Experimental validation of the sound transmission of rectangular baffled plates with general elastic boundary conditions. <i>Journal of the Acoustical Society of America</i> , 2011 , 129, EL274-9	2.2	13
45	Measurement and prediction of road traffic noise at different building floor levels in Hong Kong. <i>Building Services Engineering Research and Technology</i> , 2010 , 31, 131-139	2.3	30
44	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> , 2010 , 58, 187	0.6	3
43	A study of power transmissibility for the vibration isolation of coherent vibratory machines on the floor of a building. <i>Applied Acoustics</i> , 2010 , 71, 368-372	3.1	10
42	Assessment of the stability of isolated vibratory building services systems and the use of inertia blocks. <i>Building and Environment</i> , 2010 , 45, 758-765	6.5	4
41	Flow noise from spoilers in ducts. <i>Journal of the Acoustical Society of America</i> , 2009 , 125, 3756-65	2.2	22
40	Normalised spectrum for flow-generated noise prediction using computational fluid dynamics. <i>Building Services Engineering Research and Technology</i> , 2009 , 30, 319-328	2.3	3
39	Prediction of the absorption exponent in rectangular enclosures with a single absorbent boundary. <i>Applied Acoustics</i> , 2009 , 70, 297-299	3.1	
38	An examination of the steady-state solution of the differential equation governing indoor sound fields. <i>Applied Acoustics</i> , 2009 , 70, 194-199	3.1	
37	A turbulence-based prediction technique for flow-generated noise produced by in-duct elements in a ventilation system. <i>Applied Acoustics</i> , 2009 , 70, 11-20	3.1	20
36	Early energy decays in two churches in Hong Kong. <i>Applied Acoustics</i> , 2009 , 70, 579-587	3.1	9
35	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> , 2009 , 126, 114-21	2.2	19
34	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> , 2009 , 30, 153-167	2.3	4

33	Simulation Analysis of Transmission Loss in the Vibrating End Plate of an Expansion Chamber Silencer. <i>Acta Acustica United With Acustica</i> , 2008 , 94, 765-768	1.5	1
32	Is the CRTN Method Reliable and Accurate for Traffic Noise Prediction in Hong Kong?. <i>HKIE Transactions</i> , 2008 , 15, 17-23	2.9	4
31	Prediction of flow-generated noise produced by acoustic and aerodynamic interactions of multiple in-duct elements. <i>Applied Acoustics</i> , 2008 , 69, 566-573	3.1	6
30	A further study of a mathematical model for a screen in open-plan offices. <i>Applied Acoustics</i> , 2008 , 69, 1114-1119	3.1	6
29	Improving speech intelligibility in classrooms through the mirror image model. <i>Applied Acoustics</i> , 2008 , 69, 945-950	3.1	5
28	An analytical model to estimate the performance of an indoor barrier at low-medium frequencies. <i>Applied Acoustics</i> , 2008 , 69, 1343-1349	3.1	1
27	The assessment of the performance of a windcatcher system using computational fluid dynamics. <i>Building and Environment</i> , 2007 , 42, 1135-1141	6.5	76
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