Yong Cheng

List of Publications by Year
in descending order

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35 papers	1,335 citations	361045 20 h-index	377514 34 g-index
35 all docs	35 docs citations	35 times ranked	544 citing authors

#	Article	IF	Citations
1	Experimental study of thermal comfort in a field environment chamber with stratum ventilation system in winter. Building and Environment, 2022, 207, 108445.	3.0	27
2	Modelling indoor environment indicators using artificial neural network in the stratified environments. Building and Environment, 2022, 208, 108581.	3.0	17
3	Thermal sensation, sick building syndrome symptoms, and physiological responses of occupants in environments with vertical air temperature differences. Journal of Thermal Biology, 2022, 108, 103276.	1.1	11
4	Individual thermal comfort prediction using classification tree model based on physiological parameters and thermal history in winter. Building Simulation, 2021, 14, 1651-1665.	3.0	38
5	Experimental and numerical analysis of air temperature uniformity in occupied zone under stratum ventilation for heating mode. Journal of Building Engineering, 2021, 43, 103016.	1.6	8
6	Evaluation of sidewall air supply with the stratified indoor environment in a consultation room. Sustainable Cities and Society, 2021, 75, 103328.	5.1	14
7	Airflow pattern and performance of wall confluent jets ventilation for heating in a typical office space. Indoor and Built Environment, 2020, 29, 67-83.	1.5	16
8	Improving predicted mean vote with inversely determined metabolic rate. Sustainable Cities and Society, 2020, 53, 101870.	5.1	44
9	Experimental investigation of airflow pattern and turbulence characteristics of stratum ventilation in heating mode. Building and Environment, 2020, 186, 107339.	3.0	29
10	Evaluation and modification of the weighting formulas for mean skin temperature of human body in winter conditions. Energy and Buildings, 2020, 229, 110390.	3.1	18
11	Multi-indicator evaluation on ventilation effectiveness of three ventilation methods: An experimental study. Building and Environment, 2020, 180, 107015.	3.0	24
12	Improved algorithm for adaptive coefficient of adaptive Predicted Mean Vote (aPMV). Building and Environment, 2019, 163, 106318.	3.0	24
13	Experimental investigation of thermal comfort with stratum ventilation using a pulsating air supply. Building and Environment, 2019, 165, 106416.	3.0	19
14	Heat removal efficiency of stratum ventilation for air-side modulation. Applied Energy, 2019, 238, 1237-1249.	5.1	26
15	Experimental study of local thermal comfort and ventilation performance for mixing, displacement and stratum ventilation in an office. Sustainable Cities and Society, 2019, 50, 101630.	5.1	63
16	Robust evaluation method of thermal deviation of air distribution. Building and Environment, 2019, 158, 217-225.	3.0	9
17	Multi-criteria performance optimization for operation of stratum ventilation under heating mode. Applied Energy, 2019, 239, 969-980.	5.1	46
18	Experimental investigation into perceived air quality and sick building syndrome of stratum ventilation under heating mode. IOP Conference Series: Earth and Environmental Science, 2019, 332, 042014.	0.2	0

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19	The effect of indoor thermal history on human thermal responses in cold environments of early winter. Journal of Thermal Biology, 2019, 86, 102448.	1.1	18
20	Subzone control method of stratum ventilation for thermal comfort improvement. Building and Environment, 2019, 149, 39-47.	3.0	42
21	Systematic comparisons of exit air temperature and wall temperature for modelling non-uniform thermal environment of stratum ventilation. Building and Environment, 2019, 149, 120-133.	3.0	8
22	Effects of operation parameters on performances of stratum ventilation for heating mode. Building and Environment, 2019, 148, 55-66.	3.0	76
23	Equivalent room air temperature based cooling load estimation method for stratum ventilation and displacement ventilation. Building and Environment, 2019, 148, 67-81.	3.0	20
24	Optimization on fresh outdoor air ratio of air conditioning system with stratum ventilation for both targeted indoor air quality and maximal energy saving. Building and Environment, 2019, 147, 11-22.	3.0	100
25	Field study on adaptive thermal comfort in typical air conditioned classrooms. Building and Environment, 2018, 133, 73-82.	3.0	74
26	Behavioural, physiological and psychological responses of passengers to the thermal environment of boarding a flight in winter. Ergonomics, 2018, 61, 796-805.	1.1	8
27	Modeling non-uniform thermal environment of stratum ventilation with supply and exit air conditions. Building and Environment, 2018, 144, 542-554.	3.0	34
28	Dynamic control of room air temperature for stratum ventilation based on heat removal efficiency: Method and experimental validations. Building and Environment, 2018, 140, 107-118.	3.0	43
29	Heat removal efficiency based multi-node model for both stratum ventilation and displacement ventilation. Building and Environment, 2018, 143, 24-35.	3.0	33
30	Response-surface-model-based system sizing for Nearly/Net zero energy buildings under uncertainty. Applied Energy, 2018, 228, 1020-1031.	5.1	55
31	Seasonal variation of thermal sensations in residential buildings in the Hot Summer and Cold Winter zone of China. Energy and Buildings, 2017, 140, 9-18.	3.1	196
32	Performance improvement of an ejector cooling system with thermal pumping effect (ECSTPE) by doubling evacuation chambers in parallel. Applied Energy, 2017, 187, 675-688.	5.1	19
33	Optimizing the set generating temperature to improve the designed performance of an ejector cooling system with thermal pumping effect (ECSTPE). Solar Energy, 2017, 157, 309-320.	2.9	12
34	Optimization of room air temperature in stratum-ventilated rooms for both thermal comfort and energy saving. Applied Energy, 2017, 204, 420-431.	5.1	95
35	Effects of temperature and supply airflow rate on thermal comfort in a stratum-ventilated room. Building and Environment, 2015, 92, 269-277.	3.0	69