Shichao Liu

List of Publications by Year
in descending order

28 papers	1,036 citations	430754 18 h-index	552653 26 g-index
29 all docs	29 docs citations	29 times ranked	942 citing authors

#	Article	IF	Citations
1	Data-driven personal thermal comfort prediction: A literature review. Renewable and Sustainable Energy Reviews, 2022, 161, 112357.	8.2	34
2	How indoor environmental quality affects occupants' cognitive functions: A systematic review. Building and Environment, 2021, 193, 107647.	3.0	72
3	Comparison of sensitivity matrix method, power function-based response surface method, and artificial neural network in the analysis of building fire egress performance. Journal of Building Engineering, 2021, 43, 102860.	1.6	5
4	Occupants' satisfaction with LEED- and non-LEED-certified apartments using social media data. Building and Environment, 2021, 206, 108288.	3.0	8
5	Evaluating the comfort of thermally dynamic wearable devices. Building and Environment, 2020, 167, 106443.	3.0	41
6	Personal CO_2 cloud: laboratory measurements of metabolic CO_2 inhalation zone concentration and dispersion in a typical office desk setting. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 328-337.	1.8	37
7	Carbon dioxide generation rates of different age and gender under various activity levels. Building and Environment, 2020, 186, 107317.	3.0	25
8	Predicted percentage dissatisfied with vertical temperature gradient. Energy and Buildings, 2020, 220, 110085.	3.1	18
9	Personal thermal comfort models with wearable sensors. Building and Environment, 2019, 162, 106281.	3.0	160
10	Towards locating time-varying indoor particle sources: Development of two multi-robot olfaction methods based on whale optimization algorithm. Building and Environment, 2019, 166, 106413.	3.0	19
11	Personal CO_2 bubble: Context-dependent variations and wearable sensors usability. Journal of Building Engineering, 2019, 22, 295-304.	1.6	28
12	An improved particle swarm optimization method for locating time-varying indoor particle sources. Building and Environment, 2019, 147, 146-157.	3.0	36
13	Experimental and numerical investigations of indoor air movement distribution with an office ceiling fan. Building and Environment, 2018, 130, 14-26.	3.0	50
14	Automated mobile sensing: Towards high-granularity agile indoor environmental quality monitoring. Building and Environment, 2018, 127, 268-276.	3.0	98
15	Predicted percentage dissatisfied with ankle draft. Indoor Air, 2017, 27, 852-862.	2.0	32
16	Experimental study on air change effectiveness: Improving air distribution with all-air heating systems. Building and Environment, 2017, 125, 515-527.	3.0	20
17	Dynamic interaction of a downward plane jet and a cough jet with respect to particle transmission: An analytical and experimental study. Journal of Occupational and Environmental Hygiene, 2017, 14, 618-631.	0.4	14
18	Ceiling fan air speeds around desks and office partitions. Building and Environment, 2017, 124, 412-440.	3.0	35

#	Article	IF	Citations
19	Air diffusion performance index (ADPI) of overhead-air-distribution at low cooling loads. Energy and Buildings, 2017, 134, 271-284.	3.1	17
20	Indoor environmental quality monitoring by autonomous mobile sensing. , 2017, , .		0
21	Contribution of human-related sources to indoor volatile organic compounds in a university classroom. Indoor Air, 2016, 26, 925-938.	2.0	91
22	The effect of deflectors on Air Diffusion Performance Index of adjustable diffusers: Cooling condition (RP-1546). Science and Technology for the Built Environment, 2016, 22, 67-74.	0.8	6
23	Characterizing the Dynamic Interactions and Exposure Implications of a Particle-Laden Cough Jet with Different Room Airflow Regimes Produced by Low and High Momentum Jets. Aerosol and Air Quality Research, 2015, 15, 1955-1966.	0.9	18
24	Air Diffusion Performance Index (ADPI) of diffusers for heating mode. Building and Environment, 2015, 87, 215-223.	3.0	40
25	Transport of Airborne Particles from an Unobstructed Cough Jet. Aerosol Science and Technology, 2014, 48, 1183-1194.	1.5	28
26	Lagrangian particle modeling in the indoor environment: A comparison of RANS and LES turbulence methods (RP-1512). HVAC and R Research, 2014, 20, 480-495.	0.9	28
27	Numerical evaluation of louver configuration and ventilation strategies for the windcatcher system. Building and Environment, 2011, 46, 1600-1616.	3.0	54
28	A survey of today's CVT controls. , 0, , .		22