

Chen Zhang

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.

28

papers

335

citations

12

h-index

17

g-index

28

ext. papers

486

ext. citations

5.8

avg, IF

3.99

L-index

#	Paper	IF	Citations
28	A novel solution for school renovations: Combining diffuse ceiling ventilation with double skin facade. <i>Journal of Building Engineering</i> , 2022 , 49, 104026	5.2	3
27	The source control effect of personal protection equipment and physical barrier on short-range airborne transmission.. <i>Building and Environment</i> , 2022 , 211, 108751	6.5	2
26	Effect of thermal buoyancy on vortex ring air supply mode. <i>Building and Environment</i> , 2022 , 109257	6.5	
25	A new possible route of airborne transmission caused by the use of a physical partition. <i>Journal of Building Engineering</i> , 2021 , 44, 103420	5.2	1
24	Experimental investigation of convective heat transfer for night cooling with diffuse ceiling ventilation. <i>Building and Environment</i> , 2021 , 193, 107665	6.5	5
23	Resilient cooling of buildings to protect against heat waves and power outages: Key concepts and definition. <i>Energy and Buildings</i> , 2021 , 239, 110869	7	16
22	Conceptualising a resilient cooling system: A socio-technical approach. <i>City and Environment Interactions</i> , 2021 , 11, 100065	3.2	6
21	Exploring the potentials of personalized ventilation in mitigating airborne infection risk for two closely ranged occupants with different risk assessment models. <i>Energy and Buildings</i> , 2021 , 253, 111537		2
20	Resilient cooling strategies [A critical review and qualitative assessment. <i>Energy and Buildings</i> , 2021 , 251, 111312	7	12
19	Experimental investigation on the ventilation performance of diffuse ceiling ventilation in heating conditions. <i>Building and Environment</i> , 2021 , 205, 108262	6.5	3
18	A critical review of passive condensation prevention for radiant cooling. <i>Building and Environment</i> , 2021 , 205, 108230	6.5	7
17	Simulation and optimization of night cooling with diffuse ceiling ventilation and mixing ventilation in a cold climate. <i>Renewable Energy</i> , 2021 , 179, 488-501	8.1	3
16	A review of integrated radiant heating/cooling with ventilation systems- Thermal comfort and indoor air quality. <i>Energy and Buildings</i> , 2020 , 223, 110094	7	39
15	Cooling capacity of diffuse ceiling ventilation system and the impact of heat load and diffuse panel distribution. <i>Building and Environment</i> , 2020 , 185, 107290	6.5	2
14	Optimization of night ventilation performance in office buildings in a cold climate. <i>Energy and Buildings</i> , 2020 , 225, 110319	7	11
13	Climatic and seasonal suitability of phase change materials coupled with night ventilation for office buildings in Western China. <i>Renewable Energy</i> , 2020 , 147, 356-373	8.1	34
12	High resolution measuring system for domestic hot water consumption. Development and field test.. <i>Energy Procedia</i> , 2019 , 158, 2859-2864	2.3	4

11	Simple methodology to estimate the mean hourly and the daily profiles of domestic hot water demand from hourly total heating readings. <i>Energy and Buildings</i> , 2019 , 184, 53-64	7	20
10	Numerical analysis of diffuse ceiling ventilation and its integration with a radiant ceiling system. <i>Building Simulation</i> , 2017 , 10, 203-218	3.9	23
9	Experimental study on the dynamic performance of a novel system combining natural ventilation with diffuse ceiling inlet and TABS. <i>Applied Energy</i> , 2016 , 169, 218-229	10.7	15
8	Parametrical analysis on the diffuse ceiling ventilation by experimental and numerical studies. <i>Energy and Buildings</i> , 2016 , 111, 87-97	7	25
7	Experimental study of diffuse ceiling ventilation coupled with a thermally activated building construction in an office room. <i>Energy and Buildings</i> , 2015 , 105, 60-70	7	20
6	Experimental investigation of cooling performance of a novel HVAC system combining natural ventilation with diffuse ceiling inlet and TABS. <i>Energy and Buildings</i> , 2015 , 105, 165-177	7	23
5	Integrated Solution in an Office Room with Diffuse Ceiling Ventilation and Thermally Activated Building Constructions. <i>Energy Procedia</i> , 2015 , 78, 2808-2813	2.3	7
4	A novel system solution for cooling and ventilation in office buildings: A review of applied technologies and a case study. <i>Energy and Buildings</i> , 2015 , 90, 142-155	7	36
3	Diffuse Ceiling Ventilation [A Review]. <i>International Journal of Ventilation</i> , 2014 , 13, 49-64	1.1	13
2	Net-Zero Energy Technical Shelter. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 3-17	0.2	
1	Evaluating the different boundary conditions to simulate airflow and heat transfer in Double-Skin Facade. <i>Building Simulation</i> , 2014 , 1	3.9	3