

# Zhuangbo Feng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2575366/publications.pdf>

Version: 2024-02-01

17  
papers

748  
citations

686830

13  
h-index

887659

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Occupant-density-detection based energy efficient ventilation system: Prevention of infection transmission. Energy and Buildings, 2021, 240, 110883.	3.1	96
2	Study on the impacts of human walking on indoor particles dispersion using momentum theory method. Building and Environment, 2017, 126, 195-206.	3.0	90
3	Mitigating COVID-19 infection disease transmission in indoor environment using physical barriers. Sustainable Cities and Society, 2021, 74, 103175.	5.1	83
4	Influence of air change rates on indoor CO <sub>2</sub> stratification in terms of Richardson number and vorticity. Building and Environment, 2018, 129, 74-84.	3.0	79
5	Impact of ventilation rates on indoor thermal comfort and energy efficiency of ground-source heat pump system. Sustainable Cities and Society, 2018, 37, 154-163.	5.1	79
6	Impacts of humidification process on indoor thermal comfort and air quality using portable ultrasonic humidifier. Building and Environment, 2018, 133, 62-72.	3.0	64
7	Fast prediction for indoor environment: Models assessment. Indoor and Built Environment, 2019, 28, 727-730.	1.5	49
8	Removal of SARS-CoV-2 using UV+Filter in built environment. Sustainable Cities and Society, 2021, 74, 103226.	5.1	39
9	The effect of vent inlet aspect ratio and its location on ventilation efficiency. Indoor and Built Environment, 2020, 29, 180-195.	1.5	31
10	Influences of the optimized air curtain at subway entrance to reduce the ingress of outdoor airborne particles. Energy and Buildings, 2021, 244, 111028.	3.1	31
11	Indoor airborne disinfection with electrostatic disinfector (ESD): Numerical simulations of ESD performance and reduction of computing time. Building and Environment, 2021, 200, 107956.	3.0	24
12	Quantitative investigations on setting parameters of air conditioning (air-supply speed and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 302 T	1.5	17
13	Application of polyhedral meshing strategy in indoor environment simulation: Model accuracy and computing time. Indoor and Built Environment, 2022, 31, 719-731.	1.5	17
14	Evaluation of indoor disinfection technologies for airborne disease control in hospital. Indoor and Built Environment, 2021, 30, 727-731.	1.5	14
15	Study on the subway environment induced by moving train using Gaussian distributed momentum source theory method. Indoor and Built Environment, 2019, 28, 1083-1091.	1.5	13
16	Environmental co-benefits of urban design to mitigate urban heat island and PM <sub>2.5</sub> pollution: Considering prevailing wind's effects. Indoor and Built Environment, 2022, 31, 1787-1805.	1.5	13
17	Optimization of ventilation performance of side air supply for large indoor spaces using deflectors and slot air outlets. Indoor and Built Environment, 2023, 32, 323-342.	1.5	9