

# Yongzhi Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

778  
citations

471061

17  
h-index

525886

27  
g-index

34  
all docs

34  
docs citations

34  
times ranked

739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of the formaldehyde removal mechanisms in a dynamic botanical filtration system for indoor air purification. <i>Journal of Hazardous Materials</i> , 2014, 280, 235-243.	6.5	74
2	Indoor air quality and occupants' ventilation habits in China: Seasonal measurement and long-term monitoring. <i>Building and Environment</i> , 2018, 142, 119-129.	3.0	70
3	Performance and kinetics of catalytic oxidation of formaldehyde over copper manganese oxide catalyst. <i>Building and Environment</i> , 2015, 84, 134-141.	3.0	68
4	Experimental study of gaseous and particulate contaminants distribution in an aircraft cabin. <i>Atmospheric Environment</i> , 2014, 85, 223-233.	1.9	53
5	Global airflow field distribution in a cabin mock-up measured via large-scale 2D-PIV. <i>Building and Environment</i> , 2015, 93, 234-244.	3.0	52
6	A hybrid model for investigating transient particle transport in enclosed environments. <i>Building and Environment</i> , 2013, 62, 45-54.	3.0	47
7	An innovative personalized displacement ventilation system for airliner cabins. <i>Building and Environment</i> , 2018, 137, 41-50.	3.0	37
8	Operating behavior and corresponding performance of portable air cleaners in residential buildings, China. <i>Building and Environment</i> , 2019, 147, 473-481.	3.0	36
9	An eight-city study of volatile organic compounds in Chinese residences: Compounds, concentrations, and characteristics. <i>Science of the Total Environment</i> , 2020, 698, 134137.	3.9	31
10	Catalytic oxidization of indoor formaldehyde at room temperature – Effect of operation conditions. <i>Building and Environment</i> , 2013, 65, 49-57.	3.0	29
11	Multi-objective building energy consumption prediction and optimization for eco-community planning. <i>Energy and Buildings</i> , 2013, 66, 22-32.	3.1	26
12	Identification of key volatile organic compounds in aircraft cabins and associated inhalation health risks. <i>Environment International</i> , 2022, 158, 106999.	4.8	26
13	The effect of air change rate and temperature on phthalate concentration in house dust. <i>Science of the Total Environment</i> , 2018, 639, 760-768.	3.9	25
14	Time dependence of characteristic parameter for semi-volatile organic compounds (SVOCs) emitted from indoor materials. <i>Building and Environment</i> , 2017, 125, 339-347.	3.0	24
15	Thermal comfort diversity in Chinese urban residential buildings across various climates. <i>Energy and Buildings</i> , 2021, 231, 110632.	3.1	23
16	The indoor volatile organic compound (VOC) characteristics and source identification in a new university campus in Tianjin, China. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 725-737.	0.9	19
17	Long-term performance of fibrous ventilation/air-cleaner filters for particle removal. <i>Building and Environment</i> , 2019, 160, 106222.	3.0	18
18	Experimental investigation of large-scale flow structures in an aircraft cabin mock-up. <i>Building and Environment</i> , 2020, 184, 107224.	3.0	15

#	ARTICLE	IF	CITATIONS
19	Statistical analysis of turbulent thermal convection in a cabin mockup. Building and Environment, 2017, 115, 34-41.	3.0	13
20	Influencing factors of carbonyl compounds and other VOCs in commercial airliner cabins: On-board investigation of 56 flights. Indoor Air, 2021, 31, 2084-2098.	2.0	12
21	Catalytic Decomposition of Ozone by CuO/MnO <sub>2</sub> -Performance, Kinetics and Application Analysis. Procedia Engineering, 2015, 121, 792-800.	1.2	11
22	Towards a better understanding of adsorption of indoor air pollutants in porous media—From mechanistic model to molecular simulation. Building Simulation, 2018, 11, 997-1010.	3.0	11
23	Laboratory and field investigation of portable air cleaners™ long-term performance for particle removal to be published in: Building and environment. Building and Environment, 2020, 181, 107100.	3.0	11
24	Experimental study of the impact of passenger behavior on the aircraft cabin environment. Science and Technology for the Built Environment, 2021, 27, 427-435.	0.8	10
25	Field investigation of pollutant characteristics and targeted ventilation control strategies in high-ceiling aircraft spraying workshop. Chemical Engineering Research and Design, 2022, 159, 627-639.	2.7	8
26	Secondary VOCs emission from used fibrous filters in portable air cleaners and ventilation systems. Building and Environment, 2018, 142, 464-471.	3.0	7
27	Risk prediction of household mite infestation based on machine learning. Building and Environment, 2020, 183, 107154.	3.0	5
28	Influences of indoor environment and occupant behavior on mite allergen concentration in different regions of China. Building and Environment, 2020, 178, 106922.	3.0	5
29	Vortex structure of longitudinal scale flow in a 28-row aircraft cabin. Building and Environment, 2022, 222, 109362.	3.0	5
30	Identification of odour compounds emitted by wooden boards with the presence of indoor ozone. Building and Environment, 2022, 221, 109341.	3.0	4
31	Study on the airflow and vortex distributions in a long-narrow enclosed space. Science and Technology for the Built Environment, 0, , 1-14.	0.8	3
32	Experimental Analysis of Residential Ventilation and Dehumidification Strategies in Chongqing. E3S Web of Conferences, 2019, 111, 01004.	0.2	0