

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	Identification of key volatile organic compounds in aircraft cabins and associated inhalation health risks. <i>Environment International</i> , 2022, 158, 106999.	4.8	26
2	Field investigation of pollutant characteristics and targeted ventilation control strategies in high-ceiling aircraft spraying workshop. <i>Chemical Engineering Research and Design</i> , 2022, 159, 627-639.	2.7	8
3	Identification of odour compounds emitted by wooden boards with the presence of indoor ozone. <i>Building and Environment</i> , 2022, 221, 109341.	3.0	4
4	Vortex structure of longitudinal scale flow in a 28-row aircraft cabin. <i>Building and Environment</i> , 2022, 222, 109362.	3.0	5
5	Thermal comfort diversity in Chinese urban residential buildings across various climates. <i>Energy and Buildings</i> , 2021, 231, 110632.	3.1	23
6	Experimental study of the impact of passenger behavior on the aircraft cabin environment. <i>Science and Technology for the Built Environment</i> , 2021, 27, 427-435.	0.8	10
7	Influencing factors of carbonyl compounds and other VOCs in commercial airliner cabins: On-board investigation of 56 flights. <i>Indoor Air</i> , 2021, 31, 2084-2098.	2.0	12
8	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
9	Risk prediction of household mite infestation based on machine learning. <i>Building and Environment</i> , 2020, 183, 107154.	3.0	5
10	Experimental investigation of large-scale flow structures in an aircraft cabin mock-up. <i>Building and Environment</i> , 2020, 184, 107224.	3.0	15
11	Laboratory and field investigation of portable air cleaners's long-term performance for particle removal to be published in: <i>Building and environment</i> . <i>Building and Environment</i> , 2020, 181, 107100.	3.0	11
12	Influences of indoor environment and occupant behavior on mite allergen concentration in different regions of China. <i>Building and Environment</i> , 2020, 178, 106922.	3.0	5
13	Long-term performance of fibrous ventilation/air-cleaner filters for particle removal. <i>Building and Environment</i> , 2019, 160, 106222.	3.0	18
14	Experimental Analysis of Residential Ventilation and Dehumidification Strategies in Chongqing. <i>E3S Web of Conferences</i> , 2019, 111, 01004.	0.2	0
15	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
16	Towards a better understanding of adsorption of indoor air pollutants in porous media"From mechanistic model to molecular simulation. <i>Building Simulation</i> , 2018, 11, 997-1010.	3.0	11
17	An innovative personalized displacement ventilation system for airliner cabins. <i>Building and Environment</i> , 2018, 137, 41-50.	3.0	37
18	Secondary VOCs emission from used fibrous filters in portable air cleaners and ventilation systems. <i>Building and Environment</i> , 2018, 142, 464-471.	3.0	7

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Statistical analysis of turbulent thermal convection in a cabin mockup. <i>Building and Environment</i> , 2017, 115, 34-41.	3.0	13
22	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
23	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
24	Catalytic Decomposition of Ozone by CuO/MnO ₂ -Performance, Kinetics and Application Analysis. <i>Procedia Engineering</i> , 2015, 121, 792-800.	1.2	11
25	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
26	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
27	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
28	Experimental study of gaseous and particulate contaminants distribution in an aircraft cabin. <i>Atmospheric Environment</i> , 2014, 85, 223-233.	1.9	53
29	Multi-objective building energy consumption prediction and optimization for eco-community planning. <i>Energy and Buildings</i> , 2013, 66, 22-32.	3.1	26
30	A hybrid model for investigating transient particle transport in enclosed environments. <i>Building and Environment</i> , 2013, 62, 45-54.	3.0	47
31	Catalytic oxidization of indoor formaldehyde at room temperature " Effect of operation conditions. <i>Building and Environment</i> , 2013, 65, 49-57.	3.0	29
32	Study on the airflow and vortex distributions in a long-narrow enclosed space. <i>Science and Technology for the Built Environment</i> , 0, , 1-14.	0.8	3