

Zhi Gao

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

922
citations

471061

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476904

29
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40
all docs

40
docs citations

40
times ranked

728
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of CFD plug-ins integrated into urban and building design platforms for performance simulations: A literature review. <i>Frontiers of Architectural Research</i> , 2023, 12, 148-174.	1.3	11
2	On the effects of urban-like intersections on ventilation and pollutant dispersion. <i>Building Simulation</i> , 2022, 15, 419-433.	3.0	10
3	Investigation of typical residential block typologies and their impact on pedestrian-level microclimate in summers in Nanjing, China. <i>Frontiers of Architectural Research</i> , 2022, 11, 278-296.	1.3	18
4	Study on indoor air quality and fresh air energy consumption under different ventilation modes in 24-hour occupied bedrooms in Nanjing, using Modelica-based simulation. <i>Energy and Buildings</i> , 2022, 257, 111805.	3.1	13
5	Transport and control of kitchen pollutants in Nanjing based on the Modelica multizone model. <i>Journal of Building Performance Simulation</i> , 2022, 15, 97-111.	1.0	2
6	Effects of roadside morphologies and moving vehicles on street canyon ventilation. <i>Building and Environment</i> , 2022, 218, 109138.	3.0	11
7	Influence of typical street-side public building morphologies on the ventilation performance of streets and squares. <i>Building and Environment</i> , 2022, 221, 109331.	3.0	11
8	Green Design Studio: A modular-based approach for high-performance building design. <i>Building Simulation</i> , 2021, 14, 241-268.	3.0	8
9	Urban ventilation of typical residential streets and impact of building form variation. <i>Sustainable Cities and Society</i> , 2021, 67, 102735.	5.1	35
10	Effect of urban form on microclimate and energy loads: Case study of generic residential district prototypes in Nanjing, China. <i>Sustainable Cities and Society</i> , 2021, 70, 102930.	5.1	39
11	Effect of greening on pollutant dispersion and ventilation at urban street intersections. <i>Building and Environment</i> , 2021, 203, 108075.	3.0	20
12	Application of computational fluid dynamics in subway environment without fire and smoke—Literature review. <i>Building and Environment</i> , 2021, 206, 108408.	3.0	10
13	Combined Heat, Air, Moisture and Pollutant Simulations (CHAMPS) research for building and urban energy efficiency and environmental quality analysis. <i>Building Simulation</i> , 2021, 14, 237-239.	3.0	1
14	Ventilation and Pollutant Concentration for the Pedestrian Zone, the Near-Wall Zone, and the Canopy Layer at Urban Intersections. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11080.	1.2	4
15	Indices employed for the assessment of “urban outdoor ventilation”—A review. <i>Atmospheric Environment</i> , 2020, 223, 117211.	1.9	38
16	A Conceptual Framework to Design Green Infrastructure: Ecosystem Services as an Opportunity for Creating Shared Value in Ground Photovoltaic Systems. <i>Land</i> , 2020, 9, 238.	1.2	18
17	Characterization of Urban Greening in a District of Lecce (Southern Italy) for the Analysis of CO ₂ Storage and Air Pollutant Dispersion. <i>Atmosphere</i> , 2020, 11, 967.	1.0	11
18	Comparison of common machine learning algorithms trained with multi-zone models for identifying the location and strength of indoor pollutant sources. <i>Indoor and Built Environment</i> , 2020, , 1420326X2093157.	1.5	3

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19	A Numerical Study on the Correlation between Sky View Factor and Summer Microclimate of Local Climate Zones. <i>Atmosphere</i> , 2019, 10, 438.	1.0	22
20	Contributions of Indoor and Outdoor Sources to Ozone in Residential Buildings in Nanjing. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2587.	1.2	33
21	Changes in Olive Urban Forests Infected by <i>Xylella fastidiosa</i> : Impact on Microclimate and Social Health. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2642.	1.2	19
22	Characterizing the morphology of real street models and modeling its effect on thermal environment. <i>Energy and Buildings</i> , 2019, 203, 109433.	3.1	25
23	The "plant evaluation model" for the assessment of the impact of vegetation on outdoor microclimate in the urban environment. <i>Building and Environment</i> , 2019, 159, 106151.	3.0	70
24	Emission rates of indoor ozone emission devices: A literature review. <i>Building and Environment</i> , 2019, 158, 302-318.	3.0	59
25	An Investigation of the Quantitative Correlation between Urban Morphology Parameters and Outdoor Ventilation Efficiency Indices. <i>Atmosphere</i> , 2019, 10, 33.	1.0	40
26	Commuter exposure to particulate matters in four common transportation modes in Nanjing. <i>Building and Environment</i> , 2019, 156, 156-170.	3.0	51
27	Study of the effect of green quantity and structure on thermal comfort and air quality in an urban-like residential district by ENVI-met modelling. <i>Building Simulation</i> , 2019, 12, 183-194.	3.0	67
28	Ozone removal on building material surface: A literature review. <i>Building and Environment</i> , 2018, 134, 205-217.	3.0	35
29	Ventilation and Air Quality in Student Dormitories in China: A Case Study during Summer in Nanjing. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1328.	1.2	12
30	The Impact of Green Space Layouts on Microclimate and Air Quality in Residential Districts of Nanjing, China. <i>Forests</i> , 2018, 9, 224.	0.9	65
31	An investigation on the effect of street morphology to ambient air quality using six real-world cases. <i>Atmospheric Environment</i> , 2017, 164, 85-101.	1.9	60
32	An Approach on the Correlation between Urban Morphological Parameters and Ventilation Performance. <i>Energy Procedia</i> , 2017, 142, 2884-2891.	1.8	10
33	Outdoor and Indoor Ozone Concentration Estimation Based on Artificial Neural Network and Single Zone Mass Balance Model. <i>Procedia Engineering</i> , 2017, 205, 1835-1842.	1.2	8
34	Improving Residential Wind Environments by Understanding the Relationship between Building Arrangements and Outdoor Regional Ventilation. <i>Atmosphere</i> , 2017, 8, 102.	1.0	17
35	Modeling Particle Penetrations Through Wall Assemblies Using Computational Fluid Dynamics. <i>Aerosol Science and Technology</i> , 2015, 49, 167-178.	1.5	3
36	An Experimental Study on the Uptake Factor of Tungsten Oxide Particles Resulting from an Accidentally Dropped Storage Container. <i>Journal of Occupational and Environmental Hygiene</i> , 2013, 10, 357-367.	0.4	0

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37	Determination of partition and diffusion coefficients of formaldehyde in selected building materials and impact of relative humidity. Journal of the Air and Waste Management Association, 2012, 62, 671-679.	0.9	22
38	Numerical analysis for evaluating the "Exposure Reduction Effectiveness" of room air cleaners. Building and Environment, 2010, 45, 1984-1992.	3.0	13
39	A New Experimental Method for the Determination of Emittable Initial VOC Concentrations in Building Materials and Sorption Isotherms for IVOCs. Clean - Soil, Air, Water, 2009, 37, 454-458.	0.7	28