

# Fan Wang

## List of Publications by Year in descending order

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36  
papers

739  
citations

566801

15  
h-index

552369

26  
g-index

36  
all docs

36  
docs citations

36  
times ranked

708  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of the Status and Challenges of Green Building Development in Various Countries. Sustainability, 2019, 11, 5385.	1.6	86
2	The methodology for aerodynamic study on a small domestic wind turbine with scoop. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 1-24.	1.7	70
3	Using a CFD approach for the study of street-level winds in a built-up area. Building and Environment, 2005, 40, 617-631.	3.0	59
4	Thermal environment of the courtyard style cave dwelling in winter. Energy and Buildings, 2002, 34, 985-1001.	3.1	54
5	Field study on indoor thermal environment in an atrium in tropical climates. Building and Environment, 2009, 44, 431-436.	3.0	53
6	Design and low energy ventilation solutions for atria in the tropics. Sustainable Cities and Society, 2012, 2, 8-28.	5.1	41
7	Simulating the sheltering effects of windbreaks in urban outdoor open space. Journal of Wind Engineering and Industrial Aerodynamics, 2007, 95, 533-549.	1.7	39
8	Radon entry, migration and reduction in houses with cellars. Building and Environment, 2002, 37, 1153-1165.	3.0	38
9	Development of small domestic wind turbine with scoop and prediction of its annual power output. Renewable Energy, 2008, 33, 1637-1651.	4.3	30
10	The effect of indoor thermal and humidity condition on the oldest-old people's comfort and skin condition in winter. Building and Environment, 2020, 174, 106790.	3.0	29
11	Developing a weather responsive internal shading system for atrium spaces of a commercial building in tropical climates. Building and Environment, 2014, 71, 259-274.	3.0	27
12	The development of a radon entry model for a house with a cellar. Building and Environment, 2000, 35, 615-631.	3.0	25
13	An integrative approach for indoor environment quality assessment of large glazed air-conditioned airport terminal in the tropics. Energy and Buildings, 2017, 148, 37-55.	3.1	23
14	Thermal performance of a gallery and refurbishment solutions. Energy and Buildings, 2014, 71, 38-52.	3.1	18
15	A critical discussion of the BREEAM Communities method as applied to Chinese eco-village assessment. Sustainable Cities and Society, 2020, 59, 102172.	5.1	17
16	Investigating thermal conditions in a tropic atrium employing CFD and DTM techniques. International Journal of Low-Carbon Technologies, 2011, 6, 171-186.	1.2	15
17	Building redevelopment as a catalyst for sustainability? Assessing the renovation of the Pier Arts Centre, along technical, social and economic sustainability indicators. Sustainable Cities and Society, 2018, 42, 370-383.	5.1	12
18	Optimised building energy and indoor microclimatic predictions using knowledge-based system identification in a historical art gallery. Neural Computing and Applications, 2020, 32, 3349-3366.	3.2	12

#	ARTICLE	IF	CITATIONS
19	Extension of the Advanced REACH Tool (ART) to Include Welding Fume Exposure. International Journal of Environmental Research and Public Health, 2018, 15, 2199.	1.2	10
20	A comparison of the effect of indoor thermal and humidity condition on young and older adults' comfort and skin condition in winter. Indoor and Built Environment, 2022, 31, 759-776.	1.5	9
21	Modelling sheltering effects of trees on reducing space heating in office buildings in a windy city. Energy and Buildings, 2006, 38, 1443-1454.	3.1	8
22	Modelling multiple radon entry and transport in a domestic dwelling. Building and Environment, 1997, 32, 341-350.	3.0	7
23	A feasibility study on solar-wall systems for domestic heating – An affordable solution for fuel poverty. Solar Energy, 2012, 86, 2405-2415.	2.9	7
24	Exploring Solutions to Improve the Evaluation of Development of Rural Villages: A Case Study of the Application of the Evaluation for the Construction of Beautiful Villages (ECBV) in a Village in South China. Sustainability, 2021, 13, 685.	1.6	7
25	Comparative methods to assess renovation impact on indoor hygrothermal quality in a historical art gallery. Indoor and Built Environment, 2019, 28, 492-505.	1.5	6
26	The effect of a leading edge erosion shield on the aerodynamic performance of a wind turbine blade. Wind Energy, 2020, 23, 953-966.	1.9	6
27	Determining the augmentation ratio and response behaviour of a Diffuser Augmented Wind Turbine (DAWT). Sustainable Energy Technologies and Assessments, 2020, 37, 100610.	1.7	6
28	A study on the thermal performance of the earthen tower in summer. Building and Environment, 1992, 27, 413-421.	3.0	5
29	A Case Study on Radon Remedial Measures in a Family Dwelling. Health Physics, 1997, 73, 787-793.	0.3	5
30	Multiple Radon Entry Modeling in a House with a Cellar. Journal of the Air and Waste Management Association, 1999, 49, 682-693.	0.9	4
31	Flow Field Study of Sodium Aluminate Solution Slurry in an Unagitated Precipitation Tank by CFD Simulation. Applied Mechanics and Materials, 0, 331, 16-20.	0.2	3
32	Thermal comfort evaluation of an existing glazed airport terminal in Thailand. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2019, 172, 184-197.	0.4	3
33	A Review of the Chinese Government Support and Sustainability Assessment for Ecovillage Development with a Global Perspective. International Review for Spatial Planning and Sustainable Development, 2022, 10, 43-73.	0.6	3
34	Calibration of the Welding Advanced REACH Tool (weldART). International Journal of Hygiene and Environmental Health, 2020, 227, 113519.	2.1	2
35	Thermal and Skin Condition in Scottish Care Homes in Heating Seasons. , 2021, , .		0
36	The ‘‘District Heating Wall’’ A Synergistic Approach to Achieve Affordable Carbon Emission Reductions in Old Terraced Houses. Low Carbon Economy, 2012, 03, 115-129.	0.7	0