

# Enshen Long

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

888  
citations

471061

17  
h-index

525886

27  
g-index

63  
all docs

63  
docs citations

63  
times ranked

731  
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors affecting the in situ measurement accuracy of the wall heat transfer coefficient using the heat flow meter method. <i>Energy and Buildings</i> , 2015, 86, 754-765.	3.1	95
2	COVID-19 epidemic prediction and the impact of public health interventions: A review of COVID-19 epidemic models. <i>Infectious Disease Modelling</i> , 2021, 6, 324-342.	1.2	67
3	A new simple method to measure wall thermal transmittance in situ and its adaptability analysis. <i>Applied Thermal Engineering</i> , 2017, 122, 747-757.	3.0	49
4	Feasibility experiment on the simple hot box-heat flow meter method and the optimization based on simulation reproduction. <i>Applied Thermal Engineering</i> , 2015, 83, 48-56.	3.0	48
5	Comparative analysis on thermal performance of different wall insulation forms under the air-conditioning intermittent operation in summer. <i>Applied Thermal Engineering</i> , 2018, 130, 429-438.	3.0	43
6	Experimental study on thermal performance improvement of building envelopes by integrating with phase change material in an intermittently heated room. <i>Sustainable Cities and Society</i> , 2018, 38, 607-615.	5.1	39
7	Ultrathin envelope thermal performance improvement of prefab house by integrating with phase change material. <i>Energy and Buildings</i> , 2013, 67, 210-216.	3.1	31
8	Performance comparisons of two flat-plate photovoltaic thermal collectors with different channel configurations. <i>Energy</i> , 2019, 175, 300-308.	4.5	31
9	Solar radiation reflective coating material on building envelopes: Heat transfer analysis and cooling energy saving. <i>Energy Exploration and Exploitation</i> , 2017, 35, 748-766.	1.1	29
10	Effect of the thermal insulation layer location on wall dynamic thermal response rate under the air-conditioning intermittent operation. <i>Case Studies in Thermal Engineering</i> , 2017, 10, 79-85.	2.8	27
11	Study on heating capacity and heat loss of capillary radiant floor heating systems. <i>Applied Thermal Engineering</i> , 2020, 165, 114618.	3.0	24
12	Effect of retro-reflective materials on building indoor temperature conditions and heat flow analysis for walls. <i>Energy and Buildings</i> , 2016, 127, 488-498.	3.1	22
13	A review on CFD simulating method for biogas fermentation material fluid. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 97, 64-73.	8.2	22
14	A new approach to determine the optimum tilt angle and orientation of solar collectors in mountainous areas with high altitude. <i>Energy</i> , 2021, 237, 121507.	4.5	20
15	Effect of retro-reflective materials on temperature environment in tents. <i>Case Studies in Thermal Engineering</i> , 2017, 9, 122-127.	2.8	19
16	Influence of user behavior on unsatisfactory indoor thermal environment. <i>Energy Conversion and Management</i> , 2014, 86, 1-7.	4.4	18
17	Heat storage and release characteristics of composite phase change wall under different intermittent heating conditions. <i>Science and Technology for the Built Environment</i> , 2019, 25, 336-345.	0.8	18
18	Why does the spread of COVID-19 vary greatly in different countries? Revealing the efficacy of face masks in epidemic prevention. <i>Epidemiology and Infection</i> , 2021, 149, e24.	1.0	18

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19	Optimization on non-transparent envelopes of the typical office rooms with air-conditioning under intermittent operation. <i>Solar Energy</i> , 2020, 201, 798-809.	2.9	16
20	Estimation of the SARS-CoV-2 transmission probability in confined traffic space and evaluation of the mitigation strategies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42204-42216.	2.7	16
21	Systematic review of the effects of environmental factors on virus inactivation: implications for coronavirus disease 2019. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2865-2878.	1.8	16
22	Experimental Study on Thermal Energy Storage Performance of Water Tank with Phase Change Materials in Solar Heating System. <i>Procedia Engineering</i> , 2017, 205, 3027-3034.	1.2	14
23	Energy saving effect and mechanism of cooling setting temperature increased by 1°C for residential buildings in different cities. <i>Energy and Buildings</i> , 2019, 202, 109335.	3.1	14
24	Impact of Optimized Flow Pattern on Pollutant Removal and Biogas Production Rate Using Wastewater Anaerobic Fermentation. <i>BioResources</i> , 2015, 10, .	0.5	13
25	Experimental Study on Thermal Performance Improvement of Building Envelopes Integrated with Phase Change Materials in an Air-conditioned Room. <i>Procedia Engineering</i> , 2017, 205, 190-197.	1.2	11
26	The dynamic thermal process of indoor environment and building envelope during intermittent heating. <i>Indoor and Built Environment</i> , 2019, 28, 422-433.	1.5	11
27	Experimental and simulated optimization study on dynamic heat discharge performance of multi-units water tank with PCM. <i>Indoor and Built Environment</i> , 2021, 30, 1531-1545.	1.5	11
28	Study on the decay characteristics and transmission risk of respiratory viruses on the surface of objects. <i>Environmental Research</i> , 2021, 194, 110716.	3.7	11
29	Evaluation of infection risk for SARS-CoV-2 transmission on university campuses. <i>Science and Technology for the Built Environment</i> , 2021, 27, 1165-1180.	0.8	10
30	Survey Research on Living Environment and Energy Consumption in the West Rural Areas of China. <i>Procedia Engineering</i> , 2015, 121, 1044-1050.	1.2	9
31	Dynamic thermal reaction analysis of wall structures in various cooling operation conditions. <i>Energy Conversion and Management</i> , 2015, 105, 872-879.	4.4	9
32	Research on thermal performance improvement of lightweight buildings by integrating with phase change material under different climate conditions. <i>Science and Technology for the Built Environment</i> , 2017, 23, 285-295.	0.8	9
33	Typical effects of occupants' behaviour on indoor air-conditioned environments in the hot summer and cold winter region of China. <i>Indoor and Built Environment</i> , 2021, 30, 606-620.	1.5	9
34	Transmission risk of viruses in large mucosal droplets on the surface of objects: A time-based analysis. <i>Infectious Diseases Now</i> , 2021, 51, 219-227.	0.7	9
35	Experimental Study on Dynamic Thermal Environment of Capillary Radiant Floor Heating Room with Finite Heat Source. <i>Procedia Engineering</i> , 2017, 205, 3011-3018.	1.2	7
36	Characteristics optimization of composite phase-change wall during intermittent heating process. <i>Science and Technology for the Built Environment</i> , 2020, 26, 541-551.	0.8	7

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37	Operation strategy of cross-season solar heat storage heating system in an alpine high-altitude area. Indoor and Built Environment, 2020, 29, 1249-1259.	1.5	7
38	Energy-saving potential of intermittent heating system: Influence of composite phase change wall and optimization strategy. Energy Exploration and Exploitation, 2021, 39, 426-443.	1.1	7
39	Experimental Study on Dynamic Heat Release Performance of Water Tank with Phase Change Materials. Energy Procedia, 2019, 158, 5006-5013.	1.8	6
40	Experimental and simulation study on the surface contact between biogas fermentation liquid and straw material based on hydraulic mixing. Energy, 2021, 222, 119992.	4.5	6
41	Decay characteristics of aerosolized viruses in the air and control strategy of thermal and humid environment for epidemic prevention. Indoor and Built Environment, 2022, 31, 1287-1305.	1.5	6
42	Study on the limiting height of rooftop solar energy equipment in street canyons under the cityscape constraints. Solar Energy, 2020, 206, 1-7.	2.9	5
43	Experimental study on the dynamic thermal performance of V-Ti black ceramic solar collector under multiple factors. Solar Energy, 2020, 201, 615-620.	2.9	5
44	Performance of a Novel Downward Plug-Flow Anaerobic Digester for Methane Production from Chopped Straw. BioResources, 2014, 10, .	0.5	4
45	Field measurement and influence mechanism analysis of the albedo for a typical urban concrete surface. Indoor and Built Environment, 2019, 28, 837-847.	1.5	4
46	Impact of Occupant Behavior on Thermal Performance of the Typical-Composite Walls of a Building. Journal of Energy Engineering - ASCE, 2021, 147, 04021039.	1.0	4
47	Characteristics of human bioeffluents "common core" quantity varying with occupant density in indoor respiratory region. HVAC and R Research, 2014, 20, 188-193.	0.9	3
48	Experimental and CFD simulation study on anaerobic digestion using dextran pharmaceutical wastewater based on cyclic fluidization hydraulic mixing. Environmental Progress and Sustainable Energy, 2021, 40, e13656.	1.3	3
49	Analysis on the risk of respiratory virus transmission by air conditioning system operation based on experimental evidence. Environmental Science and Pollution Research, 2021, 28, 56376-56391.	2.7	3
50	An alternative general method to evaluate the atmospheric down-welling radiation. Building Services Engineering Research and Technology, 2017, 38, 133-150.	0.9	1
51	Climatic Cooling Potential Evaluation and Ventilation Strategies Optimization for City Buildings in China. , 2019, , .		1
52	Key technologies of green building design and their software simulation. , 2010, , .		0
53	Green buildings vs health houses: Thinking about development of domestic residence industry. , 2011, , .		0
54	Comparative Study of In-situ Test and Laboratory Test on Material Reflectivity. Procedia Engineering, 2015, 121, 1932-1938.	1.2	0

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55	An frequency domain analysis method of thermal parameters unsteady-state detection of building wall. Journal of Asian Architecture and Building Engineering, 2020, , 1-11.	1.2	0
56	Experimental Study on Albedo of Solar Radiation in Different Underlying Surfaces in Western Sichuan Plateau. Environmental Science and Engineering, 2020, , 1409-1417.	0.1	0
57	Study on the Degree and Mechanism of Solar Shading Impacts from Rooftop Structures in the Solar Collector Layout Area. Environmental Science and Engineering, 2020, , 1389-1399.	0.1	0
58	Thermal Model for Building External Wall under Low Atmospheric Pressure and High Solar Radiation Conditions in Plateau Area. Environmental Science and Engineering, 2020, , 939-947.	0.1	0
59	Mechanism and influence of different colors of opaque outdoor surfaces on cooling demand of malls. Journal of Asian Architecture and Building Engineering, 0, , 1-19.	1.2	0
60	Experimental Study on the Combined Heating of Phase-Change Water Tank and Different Terminal Cooling Equipment. Journal of Physics: Conference Series, 2021, 2087, 012036.	0.3	0