

Yaolin Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

684
citations

15
h-index

25
g-index

50
ext. papers

852
ext. citations

4.6
avg, IF

4.52
L-index

#	Paper	IF	Citations
47	Energy-Saving Design and Energy Consumption Analysis of a New Vacuum Refrigerator. <i>Buildings</i> , 2022 , 12, 203	3.2	
46	A Review on Research and Development of Healthy Building in China. <i>Buildings</i> , 2022 , 12, 376	3.2	1
45	Field study on the performance of a thermosyphon and mechanical refrigeration hybrid cooling system in a 5G telecommunication base station. <i>Energy</i> , 2022 , 123744	7.9	0
44	The Impacts of Greenery Systems on Indoor Thermal Environments in Transition Seasons: An Experimental Investigation. <i>Buildings</i> , 2022 , 12, 506	3.2	3
43	Analysis of Energy Consumption of the Lyophilizer System Using Solar Absorption Refrigeration. <i>Sustainability</i> , 2021 , 13, 12063	3.6	
42	Tri-optimization of building shape and envelope properties using Taguchi and constraint limit method. <i>Engineering, Construction and Architectural Management</i> , 2021 , ahead-of-print,	3.1	1
41	Design Optimization of a Passive Building with Green Roof through Machine Learning and Group Intelligent Algorithm. <i>Buildings</i> , 2021 , 11, 192	3.2	4
40	An integrated system of water-cooled VRF and indirect evaporative chiller and its energy saving potential. <i>Applied Thermal Engineering</i> , 2021 , 194, 117063	5.8	2
39	An ANN-exhaustive-listing method for optimization of multiple building shapes and envelope properties with maximum thermal performance. <i>Frontiers in Energy</i> , 2021 , 15, 550-563	2.6	1
38	Energy-saving evaluation of a solar integrated vacuum freeze-dryer and building air conditioning system. <i>Energy Exploration and Exploitation</i> , 2021 , 39, 608-619	2.1	3
37	Multi-objective design optimization on building integrated photovoltaic with Trombe wall and phase change material based on life cycle cost and thermal comfort. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 46, 101277	4.7	6
36	Measurement Method and Experimental Analysis of Liquid Entrainment for a Flooded Evaporator of a Water-Cooled Centrifugal Chiller Based on Energy Balance. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8165	2.6	
35	A review on research and development of passive building in China. <i>Journal of Building Engineering</i> , 2021 , 42, 102509	5.2	5
34	Investigation on the Thermal Condition of a Traditional Cold-Lane in Summer in Subtropical Humid Climate Region of China. <i>Energies</i> , 2020 , 13, 6602	3.1	
33	A study on the optimal air, load and source side temperature combination for a variable air and water volume ground source heat pump system. <i>Applied Thermal Engineering</i> , 2020 , 178, 115595	5.8	5
32	Influence of vertical greenery systems and green roofs on the indoor operative temperature of air-conditioned rooms. <i>Journal of Building Engineering</i> , 2020 , 31, 101373	5.2	12
31	Investigation on Energy Saving Potential of a Vertical Greening System in Hot Summer and Cold Winter Areas in China. <i>Environmental Science and Engineering</i> , 2020 , 1277-1283	0.2	

30	Towards zero-energy buildings in China: A systematic literature review. <i>Journal of Cleaner Production</i> , 2020 , 276, 123297	10.3	27
29	Building envelope integrated green plants for energy saving. <i>Energy Exploration and Exploitation</i> , 2020 , 38, 222-234	2.1	8
28	Optimization of a New Phase Change Material Integrated Photovoltaic/Thermal Panel with The Active Cooling Technique Using Taguchi Method. <i>Energies</i> , 2019 , 12, 1022	3.1	22
27	Experimental investigation on the thermal performance of a vertical greening system with green roof in wet and cold climates during winter. <i>Energy and Buildings</i> , 2019 , 183, 105-117	7	31
26	Effect of graphene oxide on the bioactivities of nitrifying and denitrifying bacteria in aerobic granular sludge. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 156, 287-293	7	17
25	Application of Multi-Objective Genetic Algorithm Based Simulation for Cost-Effective Building Energy Efficiency Design and Thermal Comfort Improvement. <i>Frontiers in Energy Research</i> , 2018 , 6,	3.8	11
24	Comments to Paper Entitled: Development of a Data-Driven Predictive Model of Supply Air Temperature in an Air-Handling Unit for Conserving Energy. <i>Energies</i> 2018, 11, 407. <i>Energies</i> , 2018 , 11, 1453	3.1	1
23	Development of Building Thermal Load and Discomfort Degree Hour Prediction Models Using Data Mining Approaches. <i>Energies</i> , 2018 , 11, 1570	3.1	13
22	A Review of Recent Advances in Research on PM in China. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	92
21	Design Optimization Considering Variable Thermal Mass, Insulation, Absorptance of Solar Radiation, and Glazing Ratio Using a Prediction Model and Genetic Algorithm. <i>Sustainability</i> , 2018 , 10, 336	3.6	20
20	Variation Trends of Fine Particulate Matter Concentration in Wuhan City from 2013 to 2017. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	8
19	Quantitative Study of Using Piloti for Passive Climate Adaptability in a Hot-Summer and Cold-Winter City in China. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	5
18	Effects of Landscape Design on Urban Microclimate and Thermal Comfort in Tropical Climate. <i>Advances in Meteorology</i> , 2018 , 2018, 1-13	1.7	23
17	Solar energy model and thermal performance of an electrochromic dome-covered house. <i>Energy for Sustainable Development</i> , 2017 , 39, 82-90	5.4	3
16	Energy and exergy analysis of a ground source heat pump system for a public building in Wuhan, China under different control strategies. <i>Energy and Buildings</i> , 2017 , 152, 301-312	7	27
15	Analysis of Heat Stress and the Indoor Climate Control Requirements for Movable Refuge Chambers. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	9
14	Energy Efficiency Measures for a High-tech Campus in California Based on Total Performance Oriented Optimization and Retrofit (TPOR) Approach. <i>Procedia Engineering</i> , 2015 , 121, 75-81		3
13	Thermal Comfort in High-rise Urban Environments in Singapore. <i>Procedia Engineering</i> , 2015 , 121, 2125-2131		21

12	A Study on the Impact of Household Occupants Behavior on Energy Consumption Using an Integrated Computer Model. <i>Frontiers in Built Environment</i> , 2015 , 1,	2.2	5
11	Implementation of Energy Efficiency Measures in a Semiconductor Building. <i>Energy Engineering: Journal of the Association of Energy Engineers</i> , 2014 , 111, 34-58	0.6	1
10	Thermal comfort requirements in the summer season in subtropical urban spaces. <i>Intelligent Buildings International</i> , 2014 , 6, 224-238	1.7	15
9	A review of green roof research and development in China. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 40, 633-648	16.2	64
8	Optimizing the pad thickness of evaporative air-cooled chiller for maximum energy saving. <i>Energy and Buildings</i> , 2013 , 61, 146-152	7	31
7	A study of energy performance and audit of commercial mall in hot-summer/warm-winter climate zone in China. <i>Energy Efficiency</i> , 2013 , 6, 459-473	3	2
6	A new virtual sphere method for estimating the role of thermal mass in natural ventilated buildings. <i>Energy and Buildings</i> , 2011 , 43, 75-81	7	12
5	Mathematical model of particle penetration through smooth/rough building envelop leakages. <i>Building and Environment</i> , 2009 , 44, 1144-1149	6.5	41
4	Three-dimensional thermal and airflow (3D-TAF) model of a dome-covered house in Canada. <i>Renewable Energy</i> , 2008 , 33, 22-34	8.1	9
3	Coupling of thermal mass and natural ventilation in buildings. <i>Energy and Buildings</i> , 2008 , 40, 979-986	7	92
2	Computer model of the airflow and thermal phenomena inside a large dome. <i>Energy and Buildings</i> , 2008 , 40, 1287-1296	7	8
1	Adaptive optimal control model for building cooling and heating sources. <i>Energy and Buildings</i> , 2008 , 40, 1394-1401	7	17