Chong Zhang

List of Publications by Year
in descending order

29 papers	509 citations	758635 12 h-index	676716 22 g-index
29 all docs	29 docs citations	29 times ranked	341 citing authors

#	Article	IF	Citations
1	Attention-based interpretable neural network for building cooling load prediction. Applied Energy, 2021, 299, 117238.	5.1	92
2	A review of renewable energy assessment methods in green building and green neighborhood rating systems. Energy and Buildings, 2019, 195, 68-81.	3.1	61
3	Modeling and thermal performance evaluation of a switchable triple glazing exhaust air window. Applied Thermal Engineering, 2016, 92, 8-17.	3.0	35
4	Numerical and experimental study on the thermal performance improvement of a triple glazed window by utilizing low-grade exhaust air. Energy, 2019, 167, 1132-1143.	4.5	30
5	Energy performance and operation characteristics of distributed energy systems with district cooling systems in subtropical areas under different control strategies. Energy, 2018, 153, 849-860.	4.5	29
6	Experimental investigation and dynamic modeling of a triple-glazed exhaust air window with built-in venetian blinds in the cooling season. Applied Thermal Engineering, 2018, 140, 73-85.	3.0	28
7	Performance analysis of thermal energy storage in distributed energy system under different load profiles. Energy Conversion and Management, 2020, 208, 112596.	4.4	28
8	Mechanism and preliminary performance analysis of exhaust air insulation for building envelope wall. Energy and Buildings, 2018, 173, 516-529.	3.1	26
9	Dynamic thermal performance and parametric analysis of a heat recovery building envelope based on air-permeable porous materials. Energy, 2019, 189, 116361.	4.5	25
10	GEIN: An interpretable benchmarking framework towards all building types based on machine learning. Energy and Buildings, 2022, 260, 111909.	3.1	22
11	Impacts of electric vehicles on the transient voltage stability of distribution network and the study of improvement measures. , 2014, , .		18
12	Modelling, experimental test, and design of an active air permeable wall by utilizing the low-grade exhaust air. Applied Energy, 2019, 240, 730-743.	5.1	16
13	A control strategy for distributed energy system considering the state of thermal energy storage. Sustainable Cities and Society, 2020, 63, 102492.	5.1	14
14	Study on the performance of distributed energy systems based on historical loads considering parameter uncertainties for decision making. Energy, 2019, 176, 778-791.	4.5	10
15	Energy consumption characteristics and adaptive electricity pricing strategies for college dormitories based on historical monitored data. Energy and Buildings, 2021, 245, 111041.	3.1	10
16	Utilization of Earth-to-Air Heat Exchanger to Pre-Cool/Heat Ventilation Air and Its Annual Energy Performance Evaluation: A Case Study. Sustainability, 2020, 12, 8330.	1.6	9
17	Design optimization of multi-functional building envelope for thermal insulation and exhaust air heat recovery in different climates. Journal of Building Engineering, 2021, 43, 103151.	1.6	9
18	Determining the critical insulation thickness of breathing wall: Analytical model, key parameters, and design. Case Studies in Thermal Engineering, 2021, 27, 101326.	2.8	7

#	Article	IF	Citations
19	Numerical Evaluation of Heat Recovery Performance of a Switchable Exhaust Air Window. Energy Procedia, 2016, 88, 738-741.	1.8	6
20	Energy Performance of Triple Glazed Window with Built-in Venetian Blinds by Utilizing Forced Ventilated airflow. Procedia Engineering, 2017, 205, 3993-4000.	1.2	6
21	Promotion of distributed energy systems integrated with district cooling systems considering uncertainties in energy market and policy in China. Energy Procedia, 2018, 149, 256-265.	1.8	6
22	Quantification of model uncertainty of water source heat pump and impacts on energy performance. IOP Conference Series: Earth and Environmental Science, 0, 238, 012067.	0.2	5
23	Condensation risk of exhaust air heat recovery window system: Assessment, key parameters, and prevention measure. Case Studies in Thermal Engineering, 2021, 24, 100830.	2.8	5
24	Simulation study of a dual-cavity window with gravity-driven cooling mechanism. Building Simulation, 2022, 15, 1339-1352.	3.0	5
25	Frequency thermal characteristic and parametric study of multi-functional building envelope for coolth recovery and thermal insulation: Modelling and experimental validation. Energy and Buildings, 2021, 253, 111541.	3.1	4
26	Utilization of Window System as Exhaust Air Heat Recovery Device and Its Energy Performance Evaluation: A Comparative Study. Energies, 2022, 15, 3116.	1.6	2
27	A NILM method for cooling load disaggregation based on artificial neural network. E3S Web of Conferences, 2019, 111, 05020.	0.2	1
28	Research on the optimization of water-cooling control in high-speed steel rolling system based on Bayesian network. , 2011, , .		0
29	Development and Experimental Validation of a Finite-Difference Frequency-Domain Model for the Exhaust Air Insulation Wall. Environmental Science and Engineering, 2020, , 1493-1501.	0.1	0