Zhun Yu

List of Publications by Year
in descending order

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39 papers	2,148 citations	393982 19 h-index	433756 31 g-index
39 all docs	39 docs citations	39 times ranked	1904 citing authors

#	Article	IF	Citations
1	A decision tree method for building energy demand modeling. Energy and Buildings, 2010, 42, 1637-1646.	3.1	470
2	A systematic procedure to study the influence of occupant behavior on building energy consumption. Energy and Buildings, 2011, 43, 1409-1417.	3.1	461
3	A review on macro-encapsulated phase change material for building envelope applications. Building and Environment, 2018, 144, 281-294.	3.0	204
4	A novel methodology for knowledge discovery through mining associations between building operational data. Energy and Buildings, 2012, 47, 430-440.	3.1	117
5	Advances and challenges in building engineering and data mining applications for energy-efficient communities. Sustainable Cities and Society, 2016, 25, 33-38.	5.1	90
6	A methodology for identifying and improving occupant behavior in residential buildings. Energy, 2011, 36, 6596-6608.	4.5	88
7	Control strategies for integration of thermal energy storage into buildings: State-of-the-art review. Energy and Buildings, 2015, 106, 203-215.	3.1	71
8	Extracting knowledge from building-related data â€" A data mining framework. Building Simulation, 2013, 6, 207-222.	3.0	65
9	Experimental and numerical study of a vertical earth-to-air heat exchanger system integrated with annular phase change material. Energy Conversion and Management, 2019, 186, 433-449.	4.4	62
10	Development and improvement of occupant behavior models towards realistic building performance simulation: A review. Sustainable Cities and Society, 2019, 50, 101685.	5.1	57
11	Experimental investigation of a vertical earth-to-air heat exchanger system. Energy Conversion and Management, 2019, 183, 241-251.	4.4	56
12	Numerical modeling and parametric study of a vertical earth-to-air heat exchanger system. Energy, 2019, 172, 220-231.	4.5	47
13	A GA-based system sizing method for net-zero energy buildings considering multi-criteria performance requirements under parameter uncertainties. Energy and Buildings, 2016, 129, 524-534.	3.1	46
14	Enhancing a vertical earth-to-air heat exchanger system using tubular phase change material. Journal of Cleaner Production, 2019, 237, 117763.	4.6	37
15	Effect of thermal transient on human thermal comfort in temporarily occupied space in winter â€" A case study in Tianjin. Building and Environment, 2015, 93, 27-33.	3.0	35
16	A feasible system integrating combined heating and power system with ground-source heat pump. Energy, 2014, 74, 240-247.	4.5	30
17	Systematic data mining-based framework to discover potential energy waste patterns in residential buildings. Energy and Buildings, 2019, 199, 562-578.	3.1	29
18	Designing and evaluating a new earth-to-air heat exchanger system in hot summer and cold winter areas. Energy Procedia, 2019, 158, 6087-6092.	1.8	24

#	Article	IF	Citations
19	Feasibility of ground coupled heat pumps in office buildings: A China study. Applied Energy, 2016, 162, 266-277.	5.1	23
20	Utility of cooling overshoot for energy efficient thermal comfort in temporarily occupied space. Building and Environment, 2016, 109, 199-207.	3.0	18
21	Temporarily occupied space with metabolic-rate-initiated thermal overshootsâ€"A case study in railway stations in transition seasons. Building and Environment, 2017, 122, 184-193.	3.0	18
22	A statistical method for selection of sequences of coincident weather parameters for design cooling load calculations. Energy Conversion and Management, 2009, 50, 813-821.	4.4	16
23	Performance Analysis of Earth-air Heat Exchangers in Hot Summer and Cold Winter Areas. Procedia Engineering, 2017, 205, 1672-1677.	1.2	16
24	Standby energy use and saving potentials associated with occupant behavior of chinese rural homes. Energy and Buildings, 2017, 154, 295-304.	3.1	12
25	Impact of ultrasound on the melting process and heat transfer of phase change material. Energy Procedia, 2019, 158, 5014-5019.	1.8	11
26	Thermal performance evaluation of a new structure hot water tank integrated with phase change materials. Energy Procedia, 2019, 158, 5034-5040.	1.8	9
27	Unconstrained melting of phase change material in cylindrical containers inside hot water tanks: Numerical investigation and effect of aspect ratios. Journal of Energy Storage, 2022, 47, 103647.	3.9	8
28	Applying Radial Basis Function Neural Network to Data Fusion for Temperature Compensation. , 2006, , .		5
29	Short-term building occupancy prediction based on deep forest with multi-order transition probability. Energy and Buildings, 2022, 255, 111684.	3.1	5
30	A data mining model for building occupancy estimation based on deep learning methods. IOP Conference Series: Materials Science and Engineering, 2019, 609, 072029.	0.3	4
31	Performance of Cogeneration System Incorporating Gas Engine Driven Heat Pump. , 2007, , 61-63.		4
32	Applying Neural Networks to PID Controllers for Time-Delay Systems. , 2006, , .		3
33	The Effect of Temporal Resolution on the Accuracy of Predicting Building Occupant Behaviour based on Markov Chain Models. Procedia Engineering, 2017, 205, 1698-1704.	1.2	3
34	Instruction system for optimization lancing operation of boiler heating surface based on expert system. , 2005, , .		2
35	Energy Grade Balance of Gas Engine-Driven Heat Pump. , 2006, , 331.		1
36	Analysis on the driving factors and patterns of window opening and closing behaviour in French households. IOP Conference Series: Materials Science and Engineering, 2019, 609, 072060.	0.3	1

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37	A Novel Energy Benchmarking Methodology Based on an Agent-Based Modeling Method. Procedia Engineering, 2017, 205, 1725-1732.	1.2	0
38	Experimental Study and Application Analysis on Ground-Water Source Heat Pump In North China. , 2006, , .		0
39	China Energy Label: A Strategy to Encourage Energy Conservation and the Challenge Ahead in Power Markets. , 2006, , .		0