

Zhun Yu

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.

36
papers

1,545
citations

18
h-index

39
g-index

39
ext. papers

1,830
ext. citations

6.7
avg, IF

4.79
L-index

#	Paper	IF	Citations
36	Unconstrained melting of phase change material in cylindrical containers inside hot water tanks: Numerical investigation and effect of aspect ratios. <i>Journal of Energy Storage</i> , 2022 , 47, 103647	7.8	1
35	Short-term building occupancy prediction based on deep forest with multi-order transition probability. <i>Energy and Buildings</i> , 2021 , 255, 111684	7	1
34	Designing and evaluating a new earth-to-air heat exchanger system in hot summer and cold winter areas. <i>Energy Procedia</i> , 2019 , 158, 6087-6092	2.3	21
33	Thermal performance evaluation of a new structure hot water tank integrated with phase change materials. <i>Energy Procedia</i> , 2019 , 158, 5034-5040	2.3	3
32	Impact of ultrasound on the melting process and heat transfer of phase change material. <i>Energy Procedia</i> , 2019 , 158, 5014-5019	2.3	3
31	Experimental investigation of a vertical earth-to-air heat exchanger system. <i>Energy Conversion and Management</i> , 2019 , 183, 241-251	10.6	34
30	Numerical modeling and parametric study of a vertical earth-to-air heat exchanger system. <i>Energy</i> , 2019 , 172, 220-231	7.9	29
29	Experimental and numerical study of a vertical earth-to-air heat exchanger system integrated with annular phase change material. <i>Energy Conversion and Management</i> , 2019 , 186, 433-449	10.6	40
28	Systematic data mining-based framework to discover potential energy waste patterns in residential buildings. <i>Energy and Buildings</i> , 2019 , 199, 562-578	7	19
27	Enhancing a vertical earth-to-air heat exchanger system using tubular phase change material. <i>Journal of Cleaner Production</i> , 2019 , 237, 117763	10.3	23
26	Development and improvement of occupant behavior models towards realistic building performance simulation: A review. <i>Sustainable Cities and Society</i> , 2019 , 50, 101685	10.1	37
25	A data mining model for building occupancy estimation based on deep learning methods. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 609, 072029	0.4	3
24	Analysis on the driving factors and patterns of window opening and closing behaviour in French households. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 609, 072060	0.4	1
23	A review on macro-encapsulated phase change material for building envelope applications. <i>Building and Environment</i> , 2018 , 144, 281-294	6.5	117
22	Standby energy use and saving potentials associated with occupant behavior of chinese rural homes. <i>Energy and Buildings</i> , 2017 , 154, 295-304	7	9
21	Temporarily occupied space with metabolic-rate-initiated thermal overshoots: A case study in railway stations in transition seasons. <i>Building and Environment</i> , 2017 , 122, 184-193	6.5	14
20	A Novel Energy Benchmarking Methodology Based on an Agent-Based Modeling Method. <i>Procedia Engineering</i> , 2017 , 205, 1725-1732		

19	Performance Analysis of Earth-air Heat Exchangers in Hot Summer and Cold Winter Areas. <i>Procedia Engineering</i> , 2017 , 205, 1672-1677		5
18	The Effect of Temporal Resolution on the Accuracy of Predicting Building Occupant Behaviour based on Markov Chain Models. <i>Procedia Engineering</i> , 2017 , 205, 1698-1704		2
17	A GA-based system sizing method for net-zero energy buildings considering multi-criteria performance requirements under parameter uncertainties. <i>Energy and Buildings</i> , 2016 , 129, 524-534	7	36
16	Advances and challenges in building engineering and data mining applications for energy-efficient communities. <i>Sustainable Cities and Society</i> , 2016 , 25, 33-38	10.1	75
15	Feasibility of ground coupled heat pumps in office buildings: A China study. <i>Applied Energy</i> , 2016 , 162, 266-277	10.7	15
14	Utility of cooling overshoot for energy efficient thermal comfort in temporarily occupied space. <i>Building and Environment</i> , 2016 , 109, 199-207	6.5	9
13	Effect of thermal transient on human thermal comfort in temporarily occupied space in winter [A case study in Tianjin. <i>Building and Environment</i> , 2015 , 93, 27-33	6.5	22
12	Control strategies for integration of thermal energy storage into buildings: State-of-the-art review. <i>Energy and Buildings</i> , 2015 , 106, 203-215	7	55
11	A feasible system integrating combined heating and power system with ground-source heat pump. <i>Energy</i> , 2014 , 74, 240-247	7.9	26
10	Extracting knowledge from building-related data [A data mining framework. <i>Building Simulation</i> , 2013 , 6, 207-222	3.9	53
9	A novel methodology for knowledge discovery through mining associations between building operational data. <i>Energy and Buildings</i> , 2012 , 47, 430-440	7	91
8	A methodology for identifying and improving occupant behavior in residential buildings. <i>Energy</i> , 2011 , 36, 6596-6608	7.9	76
7	A systematic procedure to study the influence of occupant behavior on building energy consumption. <i>Energy and Buildings</i> , 2011 , 43, 1409-1417	7	371
6	A decision tree method for building energy demand modeling. <i>Energy and Buildings</i> , 2010 , 42, 1637-1646		337
5	A statistical method for selection of sequences of coincident weather parameters for design cooling load calculations. <i>Energy Conversion and Management</i> , 2009 , 50, 813-821	10.6	11
4	Performance of Cogeneration System Incorporating Gas Engine Driven Heat Pump 2007 , 61-63		1
3	Energy Grade Balance of Gas Engine-Driven Heat Pump 2006 , 331		1
2	2006 ,		1

- 1 Applying Radial Basis Function Neural Network to Data Fusion for Temperature Compensation
2006,

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