

# Zhun Yu

## List of Publications by Citations

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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	A systematic procedure to study the influence of occupant behavior on building energy consumption. <i>Energy and Buildings</i> , <b>2011</b> , 43, 1409-1417	7	371
35	A decision tree method for building energy demand modeling. <i>Energy and Buildings</i> , <b>2010</b> , 42, 1637-1646		337
34	A review on macro-encapsulated phase change material for building envelope applications. <i>Building and Environment</i> , <b>2018</b> , 144, 281-294	6.5	117
33	A novel methodology for knowledge discovery through mining associations between building operational data. <i>Energy and Buildings</i> , <b>2012</b> , 47, 430-440	7	91
32	A methodology for identifying and improving occupant behavior in residential buildings. <i>Energy</i> , <b>2011</b> , 36, 6596-6608	7.9	76
31	Advances and challenges in building engineering and data mining applications for energy-efficient communities. <i>Sustainable Cities and Society</i> , <b>2016</b> , 25, 33-38	10.1	75
30	Control strategies for integration of thermal energy storage into buildings: State-of-the-art review. <i>Energy and Buildings</i> , <b>2015</b> , 106, 203-215	7	55
29	Extracting knowledge from building-related data [A data mining framework. <i>Building Simulation</i> , <b>2013</b> , 6, 207-222	3.9	53
28	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> , <b>2019</b> , 186, 433-449	10.6	40
27	Development and improvement of occupant behavior models towards realistic building performance simulation: A review. <i>Sustainable Cities and Society</i> , <b>2019</b> , 50, 101685	10.1	37
26	A GA-based system sizing method for net-zero energy buildings considering multi-criteria performance requirements under parameter uncertainties. <i>Energy and Buildings</i> , <b>2016</b> , 129, 524-534	7	36
25	Experimental investigation of a vertical earth-to-air heat exchanger system. <i>Energy Conversion and Management</i> , <b>2019</b> , 183, 241-251	10.6	34
24	Numerical modeling and parametric study of a vertical earth-to-air heat exchanger system. <i>Energy</i> , <b>2019</b> , 172, 220-231	7.9	29
23	A feasible system integrating combined heating and power system with ground-source heat pump. <i>Energy</i> , <b>2014</b> , 74, 240-247	7.9	26
22	Enhancing a vertical earth-to-air heat exchanger system using tubular phase change material. <i>Journal of Cleaner Production</i> , <b>2019</b> , 237, 117763	10.3	23
21	Effect of thermal transient on human thermal comfort in temporarily occupied space in winter [A case study in Tianjin. <i>Building and Environment</i> , <b>2015</b> , 93, 27-33	6.5	22
20	Designing and evaluating a new earth-to-air heat exchanger system in hot summer and cold winter areas. <i>Energy Procedia</i> , <b>2019</b> , 158, 6087-6092	2.3	21

19	Systematic data mining-based framework to discover potential energy waste patterns in residential buildings. <i>Energy and Buildings</i> , <b>2019</b> , 199, 562-578	7	19
18	Feasibility of ground coupled heat pumps in office buildings: A China study. <i>Applied Energy</i> , <b>2016</b> , 162, 266-277	10.7	15
17	Temporarily occupied space with metabolic-rate-initiated thermal overshoots: A case study in railway stations in transition seasons. <i>Building and Environment</i> , <b>2017</b> , 122, 184-193	6.5	14
16	A statistical method for selection of sequences of coincident weather parameters for design cooling load calculations. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 813-821	10.6	11
15	Standby energy use and saving potentials associated with occupant behavior of chinese rural homes. <i>Energy and Buildings</i> , <b>2017</b> , 154, 295-304	7	9
14	Utility of cooling overshoot for energy efficient thermal comfort in temporarily occupied space. <i>Building and Environment</i> , <b>2016</b> , 109, 199-207	6.5	9
13	Performance Analysis of Earth-air Heat Exchangers in Hot Summer and Cold Winter Areas. <i>Procedia Engineering</i> , <b>2017</b> , 205, 1672-1677		5
12	Thermal performance evaluation of a new structure hot water tank integrated with phase change materials. <i>Energy Procedia</i> , <b>2019</b> , 158, 5034-5040	2.3	3
11	Impact of ultrasound on the melting process and heat transfer of phase change material. <i>Energy Procedia</i> , <b>2019</b> , 158, 5014-5019	2.3	3
10	Applying Radial Basis Function Neural Network to Data Fusion for Temperature Compensation <b>2006</b> ,		3
9	A data mining model for building occupancy estimation based on deep learning methods. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 609, 072029	0.4	3
8	The Effect of Temporal Resolution on the Accuracy of Predicting Building Occupant Behaviour based on Markov Chain Models. <i>Procedia Engineering</i> , <b>2017</b> , 205, 1698-1704		2
7	Energy Grade Balance of Gas Engine-Driven Heat Pump <b>2006</b> , 331		1
6	<b>2006</b> ,		1
5	Short-term building occupancy prediction based on deep forest with multi-order transition probability. <i>Energy and Buildings</i> , <b>2021</b> , 255, 111684	7	1
4	Performance of Cogeneration System Incorporating Gas Engine Driven Heat Pump <b>2007</b> , 61-63		1
3	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> , <b>2019</b> , 609, 072060	0.4	1
2	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> , <b>2022</b> , 47, 103647	7.8	1

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A Novel Energy Benchmarking Methodology Based on an Agent-Based Modeling Method. *Procedia Engineering*, **2017**, 205, 1725-1732