

# Zhun Yu

## List of Publications by Year in descending order

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39  
papers

2,148  
citations

394421  
19  
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434195  
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39  
all docs

39  
docs citations

39  
times ranked

1904  
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term building occupancy prediction based on deep forest with multi-order transition probability. <i>Energy and Buildings</i> , 2022, 255, 111684.	6.7	5
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> , 2022, 47, 103647.	8.1	8
3	Systematic data mining-based framework to discover potential energy waste patterns in residential buildings. <i>Energy and Buildings</i> , 2019, 199, 562-578.	6.7	29
4	Enhancing a vertical earth-to-air heat exchanger system using tubular phase change material. <i>Journal of Cleaner Production</i> , 2019, 237, 117763.	9.3	37
5	Development and improvement of occupant behavior models towards realistic building performance simulation: A review. <i>Sustainable Cities and Society</i> , 2019, 50, 101685.	10.4	57
6	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.	1.8	24
7	Thermal performance evaluation of a new structure hot water tank integrated with phase change materials. <i>Energy Procedia</i> , 2019, 158, 5034-5040.	1.8	9
8	Impact of ultrasound on the melting process and heat transfer of phase change material. <i>Energy Procedia</i> , 2019, 158, 5014-5019.	1.8	11
9	Experimental investigation of a vertical earth-to-air heat exchanger system. <i>Energy Conversion and Management</i> , 2019, 183, 241-251.	9.2	56
10	Numerical modeling and parametric study of a vertical earth-to-air heat exchanger system. <i>Energy</i> , 2019, 172, 220-231.	8.8	47
11	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.	9.2	62
12	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.	0.6	4
13	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.	0.6	1
14	A review on macro-encapsulated phase change material for building envelope applications. <i>Building and Environment</i> , 2018, 144, 281-294.	6.9	204
15	Standby energy use and saving potentials associated with occupant behavior of chinese rural homes. <i>Energy and Buildings</i> , 2017, 154, 295-304.	6.7	12
16	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.	6.9	18
17	A Novel Energy Benchmarking Methodology Based on an Agent-Based Modeling Method. <i>Procedia Engineering</i> , 2017, 205, 1725-1732.	1.2	0
18	Performance Analysis of Earth-air Heat Exchangers in Hot Summer and Cold Winter Areas. <i>Procedia Engineering</i> , 2017, 205, 1672-1677.	1.2	16

#	ARTICLE	IF	CITATIONS
19	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
20	Utility of cooling overshoot for energy efficient thermal comfort in temporarily occupied space. Building and Environment, 2016, 109, 199-207.	6.9	18
21	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.	6.7	46
22	Advances and challenges in building engineering and data mining applications for energy-efficient communities. Sustainable Cities and Society, 2016, 25, 33-38.	10.4	90
23	Feasibility of ground coupled heat pumps in office buildings: A China study. Applied Energy, 2016, 162, 266-277.	10.1	23
24	Control strategies for integration of thermal energy storage into buildings: State-of-the-art review. Energy and Buildings, 2015, 106, 203-215.	6.7	71
25	Effect of thermal transient on human thermal comfort in temporarily occupied space in winter “ A case study in Tianjin. Building and Environment, 2015, 93, 27-33.	6.9	35
26	A feasible system integrating combined heating and power system with ground-source heat pump. Energy, 2014, 74, 240-247.	8.8	30
27	Extracting knowledge from building-related data “ A data mining framework. Building Simulation, 2013, 6, 207-222.	5.6	65
28	A novel methodology for knowledge discovery through mining associations between building operational data. Energy and Buildings, 2012, 47, 430-440.	6.7	117
29	A methodology for identifying and improving occupant behavior in residential buildings. Energy, 2011, 36, 6596-6608.	8.8	88
30	A systematic procedure to study the influence of occupant behavior on building energy consumption. Energy and Buildings, 2011, 43, 1409-1417.	6.7	461
31	A decision tree method for building energy demand modeling. Energy and Buildings, 2010, 42, 1637-1646.	6.7	470
32	A statistical method for selection of sequences of coincident weather parameters for design cooling load calculations. Energy Conversion and Management, 2009, 50, 813-821.	9.2	16
33	Performance of Cogeneration System Incorporating Gas Engine Driven Heat Pump. , 2007, , 61-63.		4
34	Energy Grade Balance of Gas Engine-Driven Heat Pump. , 2006, , 331.		1
35	Applying Neural Networks to PID Controllers for Time-Delay Systems. , 2006, , .		3
36	Applying Radial Basis Function Neural Network to Data Fusion for Temperature Compensation. , 2006, , .		5

#	ARTICLE	IF	CITATIONS
37	Experimental Study and Application Analysis on Ground-Water Source Heat Pump In North China. , 2006, , .		0
38	China Energy Label: A Strategy to Encourage Energy Conservation and the Challenge Ahead in Power Markets. , 2006, , .		0
39	Instruction system for optimization lancing operation of boiler heating surface based on expert system. , 2005, , .		2