Liang Zhang

List of Publications by Year
in descending order

14 papers	717 citations	840728 11 h-index	1058452 14 g-index
15 all docs	15 docs citations	15 times ranked	340 citing authors

#	Article	IF	Citations
1	A review of machine learning in building load prediction. Applied Energy, 2021, 285, 116452.	10.1	259
2	Grey-box modeling and application for building energy simulations - A critical review. Renewable and Sustainable Energy Reviews, 2021, 146, 111174.	16.4	101
3	A systematic feature selection procedure for short-term data-driven building energy forecasting model development. Energy and Buildings, 2019, 183, 428-442.	6.7	90
4	Sensor impacts on building and HVAC controls: A critical review for building energy performance. Advances in Applied Energy, 2021, 4, 100068.	13.2	56
5	A review of computing-based automated fault detection and diagnosis of heating, ventilation and air conditioning systems. Renewable and Sustainable Energy Reviews, 2022, 161, 112395.	16.4	54
6	Comparison of time-frequency-analysis techniques applied in building energy data noise cancellation for building load forecasting: A real-building case study. Energy and Buildings, 2021, 231, 110592.	6.7	24
7	Active learning strategy for high fidelity short-term data-driven building energy forecasting. Energy and Buildings, 2021, 244, 111026.	6.7	24
8	Sensor impact evaluation and verification for fault detection and diagnostics in building energy systems: A review. Advances in Applied Energy, 2021, 3, 100055.	13.2	24
9	Data-driven building energy modeling with feature selection and active learning for data predictive control. Energy and Buildings, 2021, 252, 111436.	6.7	20
10	A systematic feature extraction and selection framework for data-driven whole-building automated fault detection and diagnostics in commercial buildings. Building and Environment, 2020, 186, 107338.	6.9	18
11	Modeling occupancy-driven building loads for large and diversified building stocks through the use of parametric schedules. Applied Energy, 2020, 276, 115470.	10.1	16
12	Evaluate the impact of sensor accuracy on model performance in data-driven building fault detection and diagnostics using Monte Carlo simulation. Building Simulation, 2022, 15, 769-778.	5.6	13
13	A Pattern-Recognition-Based Ensemble Data Imputation Framework for Sensors from Building Energy Systems. Sensors, 2020, 20, 5947.	3.8	7
14	High-resolution hourly surrogate modeling framework for physics-based large-scale building stock modeling. Sustainable Cities and Society, 2021, 75, 103292.	10.4	7