

Yang Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,447
citations

516561

16
h-index

713332

21
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21
all docs

21
docs citations

21
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	A real-time abnormal operation pattern detection method for building energy systems based on association rule bases. Building Simulation, 2022, 15, 69-81.	3.0	12
2	A Data-Driven Method for Battery Charging Capacity Abnormality Diagnosis in Electric Vehicle Applications. IEEE Transactions on Transportation Electrification, 2022, 8, 990-999.	5.3	68
3	Probabilistic graphical models in energy systems: A review. Building Simulation, 2022, 15, 699-728.	3.0	3
4	A hierarchical object oriented Bayesian network-based fault diagnosis method for building energy systems. Applied Energy, 2022, 306, 118088.	5.1	23
5	State-of-Health Estimation for LiFePO ₄ Battery System on Real-World Electric Vehicles Considering Aging Stage. IEEE Transactions on Transportation Electrification, 2022, 8, 1724-1733.	5.3	18
6	Federated learning-based short-term building energy consumption prediction method for solving the data silos problem. Building Simulation, 2022, 15, 1145-1159.	3.0	25
7	Data-driven framework for large-scale prediction of charging energy in electric vehicles. Applied Energy, 2021, 282, 116175.	5.1	28
8	An air handling unit fault isolation method by producing additional diagnostic information proactively. Sustainable Energy Technologies and Assessments, 2021, 43, 100953.	1.7	7
9	A multi agent-based optimal control method for combined cooling and power systems with thermal energy storage. Building Simulation, 2021, 14, 1709-1723.	3.0	14
10	Assessment of battery utilization and energy consumption in the large-scale development of urban electric vehicles. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
11	A knowledge-guided and data-driven method for building HVAC systems fault diagnosis. Building and Environment, 2021, 198, 107850.	3.0	44
12	Quantitative assessments on advanced data synthesis strategies for enhancing imbalanced AHU fault diagnosis performance. Energy and Buildings, 2021, 252, 111423.	3.1	16
13	Artificial intelligence-based fault detection and diagnosis methods for building energy systems: Advantages, challenges and the future. Renewable and Sustainable Energy Reviews, 2019, 109, 85-101.	8.2	334
14	Experimental analysis on the decoupling of temperature and humidity by using a double circuit cooling coil. Science and Technology for the Built Environment, 2019, 25, 914-924.	0.8	3
15	A proactive fault detection and diagnosis method for variable-air-volume terminals in building air conditioning systems. Energy and Buildings, 2019, 183, 527-537.	3.1	25
16	Fault and defect diagnosis of battery for electric vehicles based on big data analysis methods. Applied Energy, 2017, 207, 354-362.	5.1	234
17	A decision tree based data-driven diagnostic strategy for air handling units. Energy and Buildings, 2016, 133, 37-45.	3.1	119
18	Diagnostic Bayesian networks for diagnosing air handling units faults – Part II: Faults in coils and sensors. Applied Thermal Engineering, 2015, 90, 145-157.	3.0	100

#	ARTICLE	IF	CITATIONS
19	Virtual occupancy sensors for real-time occupancy information in buildings. Building and Environment, 2015, 93, 9-20.	3.0	75
20	Bayesian network based FDD strategy for variable air volume terminals. Automation in Construction, 2014, 41, 106-118.	4.8	101
21	An intelligent chiller fault detection and diagnosis methodology using Bayesian belief network. Energy and Buildings, 2013, 57, 278-288.	3.1	176