

Yang Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2008485/publications.pdf>

Version: 2024-02-01

21
papers

1,447
citations

516561

16
h-index

713332

21
g-index

21
all docs

21
docs citations

21
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial intelligence-based fault detection and diagnosis methods for building energy systems: Advantages, challenges and the future. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 109, 85-101.	8.2	334
2	Fault and defect diagnosis of battery for electric vehicles based on big data analysis methods. <i>Applied Energy</i> , 2017, 207, 354-362.	5.1	234
3	An intelligent chiller fault detection and diagnosis methodology using Bayesian belief network. <i>Energy and Buildings</i> , 2013, 57, 278-288.	3.1	176
4	A decision tree based data-driven diagnostic strategy for air handling units. <i>Energy and Buildings</i> , 2016, 133, 37-45.	3.1	119
5	Bayesian network based FDD strategy for variable air volume terminals. <i>Automation in Construction</i> , 2014, 41, 106-118.	4.8	101
6	Diagnostic Bayesian networks for diagnosing air handling units faults – Part II: Faults in coils and sensors. <i>Applied Thermal Engineering</i> , 2015, 90, 145-157.	3.0	100
7	Virtual occupancy sensors for real-time occupancy information in buildings. <i>Building and Environment</i> , 2015, 93, 9-20.	3.0	75
8	A Data-Driven Method for Battery Charging Capacity Abnormality Diagnosis in Electric Vehicle Applications. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 990-999.	5.3	68
9	A knowledge-guided and data-driven method for building HVAC systems fault diagnosis. <i>Building and Environment</i> , 2021, 198, 107850.	3.0	44
10	Data-driven framework for large-scale prediction of charging energy in electric vehicles. <i>Applied Energy</i> , 2021, 282, 116175.	5.1	28
11	A proactive fault detection and diagnosis method for variable-air-volume terminals in building air conditioning systems. <i>Energy and Buildings</i> , 2019, 183, 527-537.	3.1	25
12	Federated learning-based short-term building energy consumption prediction method for solving the data silos problem. <i>Building Simulation</i> , 2022, 15, 1145-1159.	3.0	25
13	A hierarchical object oriented Bayesian network-based fault diagnosis method for building energy systems. <i>Applied Energy</i> , 2022, 306, 118088.	5.1	23
14	Assessment of battery utilization and energy consumption in the large-scale development of urban electric vehicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
15	State-of-Health Estimation for LiFePO ₄ Battery System on Real-World Electric Vehicles Considering Aging Stage. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 1724-1733.	5.3	18
16	Quantitative assessments on advanced data synthesis strategies for enhancing imbalanced AHU fault diagnosis performance. <i>Energy and Buildings</i> , 2021, 252, 111423.	3.1	16
17	A multi agent-based optimal control method for combined cooling and power systems with thermal energy storage. <i>Building Simulation</i> , 2021, 14, 1709-1723.	3.0	14
18	A real-time abnormal operation pattern detection method for building energy systems based on association rule bases. <i>Building Simulation</i> , 2022, 15, 69-81.	3.0	12

#	ARTICLE	IF	CITATIONS
19	An air handling unit fault isolation method by producing additional diagnostic information proactively. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100953.	1.7	7
20	Experimental analysis on the decoupling of temperature and humidity by using a double circuit cooling coil. <i>Science and Technology for the Built Environment</i> , 2019, 25, 914-924.	0.8	3
21	Probabilistic graphical models in energy systems: A review. <i>Building Simulation</i> , 2022, 15, 699-728.	3.0	3