Citation Report
List of articles citing

A rule-based fault detection method for air handling units

DOI: 10.1016/j.enbuild.2006.04.014
Energy and Buildings, 2006, 38, 1485-1492.

Source: https://exaly.com/paper-pdf/40459086/citation-report.pdf
Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
189	From Symptoms to Faults: Temporal Reasoning Methods. **2009**,		2
188	Review of possibilities and necessities for building lifetime commissioning. *Renewable and Sustainable Energy Reviews*, **2009**, 13, 486-492	16.2	42
187	A robot fault diagnostic tool for flow rate sensors in air dampers and VAV terminals. *Energy and Buildings*, **2009**, 41, 279-286	7	42
186	Fault Diagnosis of Air Handling Units. **2009**, 42, 366-371		5
185	Virtual models of indoor-air-quality sensors. *Applied Energy*, **2010**, 87, 2087-2094	10.7	20
184	Simulation of the climate system performance of a museum in case of failure events. *Energy and Buildings*, **2010**, 42, 1790-1796	7	13
183	Cross-level fault detection and diagnosis of building HVAC systems. *Building and Environment*, **2011** , 46, 1558-1566	6.5	45
182	A robust fault detection and diagnosis strategy for pressure-independent VAV terminals of real office buildings. *Energy and Buildings*, **2011**, 43, 1774-1783	7	31
181	Heating control strategy in fresh air processor matched with variable refrigerant flow air conditioning system. **2011**, 52, 2542-2554		8
180	A top-down strategy with temporal and spatial partition for fault detection and diagnosis of building HVAC systems. *Energy and Buildings*, **2011**, 43, 2134-2139	7	18
179	Automated FDD of multiple-simultaneous faults (MSF) and the application to building chillers. *Energy and Buildings*, **2011**, 43, 2524-2532	7	52
178	Requirements for an Integrated Framework of Self-Managing HVAC Systems. **2011**,		5
177	An integrated performance analysis framework for HVAC systems using heterogeneous data models and building automation systems. **2012**,		4
176	A rule augmented statistical method for air-conditioning system fault detection and diagnostics. *Energy and Buildings*, **2012**, 54, 154-159	7	16
175	Online model-based fault detection and diagnosis strategy for VAV air handling units. *Energy and Buildings*, **2012**, 55, 252-263	7	48
174	A physics-based linear parametric model of room temperature in office buildings. *Building and Environment*, **2012**, 50, 1-9	6.5	82
173	Multi-stage regression linear parametric models of room temperature in office buildings. *Building and Environment*, **2012**, 56, 69-77	6.5	12

172	An online fault diagnosis tool of VAV terminals for building management and control systems. *Automation in Construction*, **2012**, 22, 203-211	9.6	40
171	Results from testing of a cloud based automated fault detection and diagnosis tool for AHU's. **2013**,		1
170	Fault Detection Analysis of Building Energy Consumption Using Data Mining Techniques. **2013**, 42, 557-566		52
169	An intelligent chiller fault detection and diagnosis methodology using Bayesian belief network. *Energy and Buildings*, **2013**, 57, 278-288	7	130
168	Development of an RDP neural network for building energy consumption fault detection and diagnosis. *Energy and Buildings*, **2013**, 62, 133-138	7	57
167	Monitoring-based HVAC commissioning of an existing office building for energy efficiency. *Applied Energy*, **2013**, 102, 1382-1390	10.7	65
166	ZonePAC. **2013**,		33
165	Making buildings energy-efficient through retrofits: A survey of available technologies. **2013**,		6
164	. **2013**,		2
163	Monte Carlo analysis of the effect of uncertainties on model-based HVAC fault detection and diagnostics. **2014**, 20, 616-627		8
162	Data driven investigation of faults in HVAC systems with model, cluster and compare (MCC). **2014**,		22
161	Building Fan Coil Electric Consumption Analysis with Fuzzy Approaches for Fault Detection and Diagnosis. **2014**, 62, 411-420		17
160	A data access framework for integration to facilitate efficient building operation. **2014**,		
159	Domain-Specific Querying Formalisms for Retrieving Information about HVAC Systems. **2014**, 28, 40-49		5
158	Framework to Evaluate Energy-Saving Potential from Occupancy Interventions in Typical Commercial Buildings in the United States. **2014**, 28, 63-78		34
157	Conceptual Framework to Optimize Building Energy Consumption by Coupling Distributed Energy Simulation and Occupancy Models. **2014**, 28, 50-62		22
156	A BIM-enabled information infrastructure for building energy Fault Detection and Diagnostics. *Automation in Construction*, **2014**, 44, 197-211	9.6	93
155	Review of automated fault detection and diagnostic tools in air handling units. **2014**, 7, 335-351		44

154	Sensor fault detection and its efficiency analysis in air handling unit using the combined neural networks. *Energy and Buildings*, **2014**, 72, 157-166	7	53
153	Fault detection and diagnosis for buildings and HVAC systems using combined neural networks and subtractive clustering analysis. *Building and Environment*, **2014**, 73, 1-11	6.5	170
152	A review of fault detection and diagnosis methodologies on air-handling units. *Energy and Buildings*, **2014**, 82, 550-562	7	151
151	ARX model based fault detection and diagnosis for chillers using support vector machines. *Energy and Buildings*, **2014**, 81, 287-295	7	95
150	Experimental study on electrical signatures of common faults for packaged DX rooftop units. *Energy and Buildings*, **2014**, 77, 401-415	7	14
149	Development and alpha testing of a cloud based automated fault detection and diagnosis tool for Air Handling Units. *Automation in Construction*, **2014**, 39, 70-83	9.6	31
148	Intelligent online sensor monitoring and fault alarm system in heating ventilation and air conditioning systems. **2015**,		
147	Potential of building automation system towards efficient energy management of healthcare buildings. **2015**, 11, 142		
146	Detection of Chiller Energy Efficiency Faults Using Expectation Maximization. **2015**,		
145	Sanitation and Analysis of Operation Data in Energy Systems. *Energies*, **2015**, 8, 12776-12794	3.1	6
144	A Subspace Identification Method for Detecting Abnormal Behavior in HVAC Systems. **2015**, 2015, 1-12		4
143	Unsupervised feature selection using swarm intelligence and consensus clustering for automatic fault detection and diagnosis in Heating Ventilation and Air Conditioning systems. *Applied Soft Computing Journal*, **2015**, 34, 402-425	7.5	38
142	Distributed Adaptive Estimation Scheme for Isolation of Sensor Faults in Multi-zone HVAC Systems. *IFAC-PapersOnLine*, **2015**, 48, 1146-1151	0.7	4
141	Using a hybrid method to construct a computational efficient cooling coil model for an automated single-duct variable air volume system fault detection and diagnosis. *Energy and Buildings*, **2015**, 92, 363-373	7	5
140	Diagnostic Bayesian networks for diagnosing air handling units faults Part II: Faults in coils and sensors. *Applied Thermal Engineering*, **2015**, 90, 145-157	5.8	79
139	A Distributed Architecture for HVAC Sensor Fault Detection and Isolation. *IEEE Transactions on Control Systems Technology*, **2015**, 23, 1323-1337	4.8	39
138	In-situ validation of a fault tolerant control strategy for VAV systems. *Applied Thermal Engineering*, **2015**, 87, 362-370	5.8	4
137	Fault-tolerant optimal control of a building HVAC system. *Science and Technology for the Built Environment*, **2015**, 21, 734-751	1.8	23

136	Evaluating the performance of Diagnostic Agent for Building Operation (DABO) and HVAC-Cx tools using the Virtual Cybernetic Building Testbed. *Science and Technology for the Built Environment*, **2015**, 21, 1154-1164	1.8	9
135	Comparative analysis of the AHU InFO fault detection and diagnostic expert tool for AHUs with APAR. **2015**, 8, 299-322		21
134	Robust model-based fault diagnosis for air handling units. *Energy and Buildings*, **2015**, 86, 698-707	7	70
133	Enhancing energy efficiency in buildings through innovative data analytics technologiesa. **2016**, 353-389		4
132	Application of Residual-Based EWMA Control Charts for Detecting Faults in Variable-Air-Volume Air Handling Unit System. **2016**, 2016, 1-7		1
131	. **2016**,		11
130	Brick. **2016**,		78
129	Developing a Virtual Campus Model in an Interactive Game-Engine Environment for Building Energy Benchmarking. **2016**, 30,		14
128	A probabilistic approach to diagnose faults of air handling units in buildings. *Energy and Buildings*, **2016**, 130, 177-187	7	29
127	Estimating uncertainty when using transient data in steady-state calculations. **2016**, 94, 273-283		2
126	Building performance optimisation: A hybrid architecture for the integration of contextual information and time-series data. *Automation in Construction*, **2016**, 70, 51-61	9.6	20
125	. **2016**,		1
124	Bibliography. **2016**, 149-162		
123	Adaptive quantile estimation in performance monitoring of building automation systems. **2016**,		
122	A robust fault detection and diagnosis strategy for multiple faults of VAV air handling units. *Energy and Buildings*, **2016**, 127, 442-451	7	31
121	Effect of Common Faults on the Performance of Different Types of Vapor Compression Systems. *Applied Thermal Engineering*, **2016**, 98, 61-72	5.8	17
120	A taxonomy of data types and data collection methods for building energy monitoring and performance simulation. **2016**, 10, 263-293		13
119	Leveraging BIM to Provide Automated Support for Efficient Troubleshooting of HVAC-Related Problems. **2016**, 30, 04015023		17

118	Diagnostic Bayesian networks for diagnosing air handling units faults Part I: Faults in dampers, fans, filters and sensors. *Applied Thermal Engineering*, **2017**, 111, 1272-1286	5.8	84
117	Data-driven based reliability evaluation for measurements of sensors in a vapor compression system. *Energy*, **2017**, 122, 237-248	7.9	28
116	. *IEEE Transactions on Automation Science and Engineering*, **2017**, 14, 705-717	4.9	24
115	Characterization of a building's operation using automation data: A review and case study. *Building and Environment*, **2017**, 118, 196-210	6.5	26
114	Smart Audio Sensing-Based HVAC Monitoring. **2017**, 669-695		3
113	Sensors for Everyday Life. *Smart Sensors, Measurement and Instrumentation*, **2017**,	0.3	
112	IFC BIM-Based Facility Management Approach to Optimize Data Collection for Corrective Maintenance. **2017**, 31, 04016081		59
111	Fault diagnosis and energy consumption analysis for variable air volume air conditioning system: a case study. **2017**, 205, 834-841		3
110	A Performance Assessment Method for Main HVAC Equipment with Electricity Submetering Data. **2017**, 205, 3104-3111		
109	Fault injection framework for fault diagnosis based on machine learning in heating and demand-controlled ventilation systems. **2017**,		4
108	Unsupervised learning techniques for HVAC terminal unit behaviour analysis. **2017**,		4
107	Brick : Metadata schema for portable smart building applications. *Applied Energy*, **2018**, 226, 1273-1292	10.7	60
106	A large-scale evaluation of automated metadata inference approaches on sensors from air handling units. **2018**, 37, 14-30		14
105	. *IEEE Access*, **2018**, 6, 21682-21696	3.5	11
104	A review of fault detection and diagnostics methods for building systems. *Science and Technology for the Built Environment*, **2018**, 24, 3-21	1.8	148
103	Comprehensive analysis of the relationship between thermal comfort and building control research - A data-driven literature review. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 2664-2679	16.2	126
102	An efficient VRF system fault diagnosis strategy for refrigerant charge amount based on PCA and dual neural network model. *Applied Thermal Engineering*, **2018**, 129, 1252-1262	5.8	26
101	Evaluation of a cost-responsive supply air temperature reset strategy in an office building. *Energy and Buildings*, **2018**, 158, 356-370	7	16

100	A machine learning bayesian network for refrigerant charge faults of variable refrigerant flow air conditioning system. *Energy and Buildings*, **2018**, 158, 668-676	7	26
99	Heating, ventilation and air conditioning systems: Fault detection and isolation and safe parking. *Computers and Chemical Engineering*, **2018**, 108, 139-151	4	28
98	A statistically-based fault detection approach for environmental and energy management in buildings. *Energy and Buildings*, **2018**, 158, 1499-1509	7	16
97	Distributed fault diagnosis of heating, ventilation, and air conditioning systems. **2018**, 65, 640		3
96	. **2018**,		29
95	A Graph-Based Sensor Fault Detection and Diagnosis for Demand-Controlled Ventilation Systems Extracted from a Semantic Ontology. **2018**,		1
94	Semi-supervised learning for early detection and diagnosis of various air handling unit faults. *Energy and Buildings*, **2018**, 181, 75-83	7	66
93	Fault diagnosis design for heating, ventilation and air conditioning systems. **2018**,		
92	An auto-deployed model-based fault detection and diagnosis approach for Air Handling Units using BIM and Modelica. *Automation in Construction*, **2018**, 96, 508-526	9.6	15
91	Energy performance optimization in buildings: A review on semantic interoperability, fault detection, and predictive control. **2018**, 5, 041501		14
90	References. **2018**, 503-587		
89	Energy and comfort performance benefits of early detection of building sensor and actuator faults. *Building Services Engineering Research and Technology*, **2018**, 39, 652-666	2.3	11
88	Automatic model-based fault detection and diagnosis using diagnostic directed acyclic graph for a demand-controlled ventilation and heating system in Simulink. **2018**,		3
87	Support vector machine based fault detection and diagnosis for HVAC systems. *International Journal of Intelligent Systems Technologies and Applications*, **2019**, 18, 204	0.5	5
86	Gradual fault early stage diagnosis for air source heat pump system using deep learning techniques. *International Journal of Refrigeration*, **2019**, 107, 63-72	3.8	12
85	Passive versus active learning in operation and adaptive maintenance of Heating, Ventilation, and Air Conditioning. *Applied Energy*, **2019**, 252, 113478	10.7	11
84	An Improved LSTM Based Sensor Fault Diagnosis Strategy for the Air-cooled Chiller System. **2019**,		0
83	Deep Learning Application in Mechatronics Systems Fault Diagnosis, a Case Study of the Demand-Controlled Ventilation and Heating System. **2019**,		

82	Development and application of hardware-in-the-loop simulation for the HVAC systems. *Science and Technology for the Built Environment*, **2019**, 25, 1482-1493	1.8	1
81	The Squeaky wheel: Machine learning for anomaly detection in subjective thermal comfort votes. *Building and Environment*, **2019**, 151, 219-227	6.5	12
80	An expert rule-based fault diagnosis strategy for variable refrigerant flow air conditioning systems. *Applied Thermal Engineering*, **2019**, 149, 1223-1235	5.8	26
79	Development and implementation of automated fault detection and diagnostics for building systems: A review. *Automation in Construction*, **2019**, 104, 215-229	9.6	41
78	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	16.2	163
77	Fault Detection and Diagnosis of Air Handling Unit: A Review. *MATEC Web of Conferences*, **2019**, 255, 06001	0.3	5
76	Fault Detection for Air Conditioner using PCANet. **2019**,		0
75	Empirical investigation of regression models for predicting system behavior in air handling units. *Science and Technology for the Built Environment*, **2019**, 25, 247-260	1.8	3
74	. *IEEE Transactions on Automation Science and Engineering*, **2019**, 16, 1412-1425	4.9	14
73	Data analytics to improve building performance: A critical review. *Automation in Construction*, **2019**, 97, 96-109	9.6	41
72	Occupancy detection of residential buildings using smart meter data: A large-scale study. *Energy and Buildings*, **2019**, 183, 195-208	7	45
71	An efficient online wkNN diagnostic strategy for variable refrigerant flow system based on coupled feature selection method. *Energy and Buildings*, **2019**, 183, 222-237	7	12
70	A graphical approach to assess the detectability of multiple simultaneous faults in air handling units. *Energy and Buildings*, **2019**, 184, 275-288	7	3
69	Smart building creation in large scale HVAC environments through automated fault detection and diagnosis. *Future Generation Computer Systems*, **2020**, 108, 950-966	7.5	27
68	Fault detection and diagnosis for heat source system using convolutional neural network with imaged faulty behavior data. *Science and Technology for the Built Environment*, **2020**, 26, 52-60	1.8	11
67	A computationally efficient method for fault diagnosis of fan-coil unit terminals in building Heating Ventilation and Air Conditioning systems. *Journal of Building Engineering*, **2020**, 27, 100955	5.2	7
66	Design of knowledge-based systems for automated deployment of building management services. *Automation in Construction*, **2020**, 119, 103402	9.6	5
65	Bayesian method for HVAC plant sensor fault detection and diagnosis. *Energy and Buildings*, **2020**, 228, 110476	7	7

64	Cluster analysis-based anomaly detection in building automation systems. *Energy and Buildings*, **2020**, 228, 110445	7	7
63	Formalizing Tag-Based Metadata With the Brick Ontology. *Frontiers in Built Environment*, **2020**, 6,	2.2	7
62	A hybrid modeling approach integrating first-principles knowledge with statistical methods for fault detection in HVAC systems. *Computers and Chemical Engineering*, **2020**, 142, 107022	4	11
61	Modeling of HVAC Systems for Fault Diagnosis. *IEEE Access*, **2020**, 8, 146248-146262	3.5	3
60	A novel operation approach for the energy efficiency improvement of the HVAC system in office spaces through real-time big data analytics. *Renewable and Sustainable Energy Reviews*, **2020**, 127, 109885	16.2	13
59	Scalable distributed sensor fault diagnosis for smart buildings. *IEEE/CAA Journal of Automatica Sinica*, **2020**, 7, 638-655	7	7
58	An air handling unit fault isolation method by producing additional diagnostic information proactively. *Sustainable Energy Technologies and Assessments*, **2021**, 43, 100953	4.7	3
57	. *IEEE Access*, **2021**, 9, 2153-2187	3.5	10
56	Early warning signals of failures in building management systems. *International Journal of Metrology and Quality Engineering*, **2021**, 12, 11	0.6	0
55	. *IEEE Transactions on Control Systems Technology*, **2021**, 1-16	4.8	1
54	Statistical characterization of semi-supervised neural networks for fault detection and diagnosis of air handling units. *Energy and Buildings*, **2021**, 234, 110733	7	15
53	Indirect Fault Diagnosis of Fixed Marine Observing Buoy Based on Bayesian Network. *Marine Technology Society Journal*, **2021**, 55, 172-184	0.5	
52	Fault detection and diagnosis for multiple faults of VAV terminals using self-adaptive model and layered random forest. *Building and Environment*, **2021**, 193, 107667	6.5	6
51	Versatile AHU fault detection Design, field validation and practical application. *Energy and Buildings*, **2021**, 237, 110781	7	3
50	IoT Open-Source Architecture for the Maintenance of Building Facilities. *Applied Sciences (Switzerland)*, **2021**, 11, 5374	2.6	9
49	An Online Data-Driven Fault Diagnosis Method for Air Handling Units by Rule and Convolutional Neural Networks. *Sensors*, **2021**, 21,	3.8	2
48	A real-time abnormal operation pattern detection method for building energy systems based on association rule bases. *Building Simulation*, **2022**, 15, 69-81	3.9	4
47	A knowledge-guided and data-driven method for building HVAC systems fault diagnosis. *Building and Environment*, **2021**, 198, 107850	6.5	12

46	A study on semi-supervised learning in enhancing performance of AHU unseen fault detection with limited labeled data. *Sustainable Cities and Society*, **2021**, 70, 102874	10.1	13
45	A hybrid data-driven simultaneous fault diagnosis model for air handling units. *Energy and Buildings*, **2021**, 245, 111069	7	4
44	A semi-supervised approach to fault detection and diagnosis for building HVAC systems based on the modified generative adversarial network. *Energy and Buildings*, **2021**, 246, 111044	7	10
43	Formalized control logic fault definition with ontological reasoning for air handling units. *Automation in Construction*, **2021**, 129, 103781	9.6	1
42	A data-driven approach to simultaneous fault detection and diagnosis in data centers. *Applied Soft Computing Journal*, **2021**, 110, 107638	7.5	1
41	A novel fault diagnosis and self-calibration method for air-handling units using Bayesian Inference and virtual sensing. *Energy and Buildings*, **2021**, 250, 111293	7	5
40	Multicondition operation fault detection for chillers based on global density-weighted support vector data description. *Applied Soft Computing Journal*, **2021**, 112, 107795	7.5	2
39	Inverse model-based virtual sensors for detection of hard faults in air handling units. *Energy and Buildings*, **2021**, 253, 111493	7	4
38	Real-Time HVAC Sensor Monitoring and Automatic Fault Detection System. *Smart Sensors, Measurement and Instrumentation*, **2017**, 39-54	0.3	2
37	Digital Twin Enabled Asset Anomaly Detection for Building Facility Management. *IFAC-PapersOnLine*, **2020**, 53, 380-385	0.7	8
36	Detection of Faults and Drifts in the Energy Performance of a Building Using Bayesian Networks. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2019**, 141,	1.6	5
35	Beyond a House of Sticks. **2019**,		4
34	Development of a Decision Support System to Enable Adaptive Manufacturing. *Smart and Sustainable Manufacturing Systems*, **2020**, 4, 20190036	0.8	1
33	A Review of Fault Detection and Diagnosis Methodologies for Air-Handling Units. *Global Journal of Energy Technology Research Updates*, **2019**, 6, 26-40	0	1
32	BIM-energy simulation approach for detecting building spaces with faults and problematic behavior. *Journal of Information Technology in Construction*, **2020**, 25, 342-360	2.5	4
31	An Analytical Approach for Extraction of the Temperature Bias-Error of RTD Sensors for Smart Home. **2020**,		
30	A hierarchical object oriented Bayesian network-based fault diagnosis method for building energy systems. *Applied Energy*, **2022**, 306, 118088	10.7	4
29	An Association Rule-Based Online Data Analysis Method for Improving Building Energy Efficiency. *Environmental Science and Engineering*, **2020**, 375-383	0.2	

28	Mortar. *ACM Transactions on Sensor Networks*, **2020**, 16, 1-31	2.9	1
27	Machine learning for BMS analysis and optimisation. *Engineering Research Express*, **2020**, 2, 045003	0.9	
26	Improvement of virtual in-situ calibration in air handling unit using data preprocessing based on Gaussian mixture model. *Energy and Buildings*, **2022**, 256, 111735	7	2
25	Assisting automated fault detection and diagnostics in building automation through semantic description of functions and process data. **2021**,		1
24	Distributed Diagnosis of Sensor and Actuator Faults in Air Handling Units in Multi-Zone Buildings: A Model-Based Approach. *Energy and Buildings*, **2021**, 256, 111709	7	0
23	Faults and Failures in Smart Buildings: A New Tool for Diagnosis. **2021**, 433-462		
22	Inverse model-based detection of programming logic faults in multiple zone VAV AHU systems. *Building and Environment*, **2022**, 211, 108732	6.5	0
21	Detection and Diagnosis of Dependent Faults That Trigger False Symptoms of Heating and Mechanical Ventilation Systems Using Combined Machine Learning and Rule-Based Techniques. *Energies*, **2022**, 15, 1691	3.1	0
20	AHU sensor minor fault detection based on piecewise ensemble empirical mode decomposition and an improved combined neural network. *Science and Technology for the Built Environment*, 1-17	1.8	1
19	Classification of sequencing logic faults in multiple zone air handling units: a review and case study. *Science and Technology for the Built Environment*, 1-21	1.8	0
18	A Digital Twin predictive maintenance framework of air handling units based on automatic fault detection and diagnostics. *Energy and Buildings*, **2022**, 261, 111988	7	4
17	A holistic sequential fault detection and diagnostics framework for multiple zone variable air volume air handling unit systems. *Building Services Engineering Research and Technology*, 01436244221097 8	2.2	0
16	Development of a Framework to Aid the Transition from Reactive to Proactive Maintenance Approaches to Enable Energy Reduction. *Applied Sciences (Switzerland)*, **2022**, 12, 6704	2.6	0
15	Assessment of HVAC system operational fault impacts and multiple faults interactions under climate change. *Energy*, **2022**, 124762	7.9	0
14	Experimental dataset for an AHU air-to-air heat exchanger with normal and simulated fault operations. 1-23		0
13	A Comprehensive Review: Fault Detection, Diagnostics, Prognostics, and Fault Modelling in HVAC Systems. **2022**,		0
12	Review of predictive maintenance algorithms applied to HVAC systems. **2022**, 8, 1003-1012		0
11	A hybrid clustering multi-source fault diagnosis method for chiller temperature sensors. 1-13		0

10	Faulty Operation of Coils and Humidifier Valves in a Typical Air-Handling Unit: Experimental Impact Assessment of Indoor Comfort and Patterns of Operating Parameters under Mediterranean Climatic Conditions. **2022**, 15, 6781	0
9	Experimental research on the performance and parameters sensitivity analysis of variable refrigerant flow system with common faults imposed in heating mode. **2022**, 112624	0
8	Using discrete Bayesian networks for diagnosing and isolating cross-level faults in HVAC systems. **2022**, 327, 120050	0
7	Ontology-Based Expert System for Automated Monitoring of Building Energy Systems. **2023**, 37,	0
6	Investigating the influence of maintenance strategies on building energy performance: A systematic literature review. **2022**, 8, 14673-14698	0
5	Improvement for energy efficiency and control characteristics in variable air volume system using in-situ sensor calibration method based on autoencoder. **2023**, 63, 105559	0
4	Algorithm for Validation of the Radar Digital Twin Based on the Results of Diagnostic Control Data Processing. **2022**,	0
3	Estimating energy savings from HVAC controls fault correction through inverse greybox model-based virtual metering. **2023**, 112806	0
2	Digital Twin framework for automated fault source detection and prediction for comfort performance evaluation of existing non-residential Norwegian buildings. **2023**, 281, 112732	1
1	Predictive Maintenance for Smart Industrial Systems: A Roadmap. **2023**, 220, 645-650	0