

# Yabin Guo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

906

citations

18

h-index

29

g-index

29

ext. papers

1,143

ext. citations

6.3

avg, IF

4.59

L-index

#	Paper	IF	Citations
28	Sensor Fault Detection Combined Data Quality Optimization of Energy System for Energy Saving and Emission Reduction. <i>Processes</i> , <b>2022</b> , 10, 347	2.9	2
27	New fault diagnostic strategies for refrigerant charge fault in a VRF system using hybrid machine learning method. <i>Journal of Building Engineering</i> , <b>2021</b> , 33, 101577	5.2	1
26	Fault diagnosis of VRF air-conditioning system based on improved Gaussian mixture model with PCA approach. <i>International Journal of Refrigeration</i> , <b>2020</b> , 118, 1-11	3.8	15
25	An expert rule-based fault diagnosis strategy for variable refrigerant flow air conditioning systems. <i>Applied Thermal Engineering</i> , <b>2019</b> , 149, 1223-1235	5.8	26
24	Improving prediction performance for indoor temperature in public buildings based on a novel deep learning method. <i>Building and Environment</i> , <b>2019</b> , 148, 128-135	6.5	39
23	Abnormal energy identification of variable refrigerant flow air-conditioning systems based on data mining techniques. <i>Applied Thermal Engineering</i> , <b>2019</b> , 150, 398-411	5.8	9
22	Machine learning-based thermal response time ahead energy demand prediction for building heating systems. <i>Applied Energy</i> , <b>2018</b> , 221, 16-27	10.7	86
21	A comprehensive overview on the data driven and large scale based approaches for forecasting of building energy demand: A review. <i>Energy and Buildings</i> , <b>2018</b> , 165, 301-320	7	137
20	An effective fault diagnosis method for centrifugal chillers using associative classification. <i>Applied Thermal Engineering</i> , <b>2018</b> , 136, 633-642	5.8	25
19	Energy consumption prediction for water-source heat pump system using pattern recognition-based algorithms. <i>Applied Thermal Engineering</i> , <b>2018</b> , 136, 755-766	5.8	15
18	An efficient VRF system fault diagnosis strategy for refrigerant charge amount based on PCA and dual neural network model. <i>Applied Thermal Engineering</i> , <b>2018</b> , 129, 1252-1262	5.8	26
17	An improved decision tree-based fault diagnosis method for practical variable refrigerant flow system using virtual sensor-based fault indicators. <i>Applied Thermal Engineering</i> , <b>2018</b> , 129, 1292-1303	5.8	35
16	A machine learning bayesian network for refrigerant charge faults of variable refrigerant flow air conditioning system. <i>Energy and Buildings</i> , <b>2018</b> , 158, 668-676	7	26
15	A VRF charge fault diagnosis method based on expert modification C5.0 decision tree. <i>International Journal of Refrigeration</i> , <b>2018</b> , 92, 106-112	3.8	13
14	Review of various modeling techniques for the detection of electricity theft in smart grid environment. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 2916-2933	16.2	52
13	Deep learning-based fault diagnosis of variable refrigerant flow air-conditioning system for building energy saving. <i>Applied Energy</i> , <b>2018</b> , 225, 732-745	10.7	83
12	Modularized PCA method combined with expert-based multivariate decoupling for FDD in VRF systems including indoor unit faults. <i>Applied Thermal Engineering</i> , <b>2017</b> , 115, 744-755	5.8	15

11	Identification and isolation of outdoor fouling faults using only built-in sensors in variable refrigerant flow system: A data mining approach. <i>Energy and Buildings</i> , <b>2017</b> , 146, 257-270	7	26
10	Optimization of support vector regression model based on outlier detection methods for predicting electricity consumption of a public building WSHP system. <i>Energy and Buildings</i> , <b>2017</b> , 151, 35-44	7	23
9	A robust online refrigerant charge fault diagnosis strategy for VRF systems based on virtual sensor technique and PCA-EWMA method. <i>Applied Thermal Engineering</i> , <b>2017</b> , 119, 233-243	5.8	24
8	An enhanced PCA method with Savitzky-Golay method for VRF system sensor fault detection and diagnosis. <i>Energy and Buildings</i> , <b>2017</b> , 142, 167-178	7	39
7	Liquid floodback detection for scroll compressor in a VRF system under heating mode. <i>Applied Thermal Engineering</i> , <b>2017</b> , 114, 921-930	5.8	20
6	Data partitioning and association mining for identifying VRF energy consumption patterns under various part loads and refrigerant charge conditions. <i>Applied Energy</i> , <b>2017</b> , 185, 846-861	10.7	62
5	Optimized neural network-based fault diagnosis strategy for VRF system in heating mode using data mining. <i>Applied Thermal Engineering</i> , <b>2017</b> , 125, 1402-1413	5.8	39
4	An overview on the DNA nucleotide compositions across kingdoms. <i>Gene Reports</i> , <b>2017</b> , 8, 45-48	1.4	1
3	Development of a virtual variable-speed compressor power sensor for variable refrigerant flow air conditioning system. <i>International Journal of Refrigeration</i> , <b>2017</b> , 74, 73-85	3.8	17
2	A thermal response time ahead energy demand prediction strategy for building heating system using machine learning methods. <i>Energy Procedia</i> , <b>2017</b> , 142, 1003-1008	2.3	5
1	A sensor fault detection and diagnosis strategy for screw chiller system using support vector data description-based D-statistic and DV-contribution plots. <i>Energy and Buildings</i> , <b>2016</b> , 133, 230-245	7	45