

Hua Han

List of Publications by Year in descending order

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17
papers

826
citations

567281

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888059

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docs citations

17
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Least squares support vector machine (LS-SVM)-based chiller fault diagnosis using fault indicative features. <i>Applied Thermal Engineering</i> , 2019, 154, 540-547.	6.0	128
2	A comparative study of the behavior of working fluids and their properties on the performance of pulsating heat pipes (PHP). <i>International Journal of Thermal Sciences</i> , 2014, 82, 138-147.	4.9	88
3	PCA-SVM-Based Automated Fault Detection and Diagnosis (AFDD) for Vapor-Compression Refrigeration Systems. <i>HVAC and R Research</i> , 2010, 16, 295-313.	0.6	85
4	Automated FDD of multiple-simultaneous faults (MSF) and the application to building chillers. <i>Energy and Buildings</i> , 2011, 43, 2524-2532.	6.7	70
5	The study on the difference of the start-up and heat-transfer performance of the pulsating heat pipe with water~acetone mixtures. <i>International Journal of Heat and Mass Transfer</i> , 2014, 77, 834-842.	4.8	68
6	A study of the heat transfer performance of a pulsating heat pipe with ethanol-based mixtures. <i>Applied Thermal Engineering</i> , 2016, 102, 1219-1227.	6.0	67
7	Chiller fault diagnosis with field sensors using the technology of imbalanced data. <i>Applied Thermal Engineering</i> , 2019, 159, 113933.	6.0	60
8	Novel application of multi-model ensemble learning for fault diagnosis in refrigeration systems. <i>Applied Thermal Engineering</i> , 2020, 164, 114516.	6.0	55
9	Ensemble learning with member optimization for fault diagnosis of a building energy system. <i>Energy and Buildings</i> , 2020, 226, 110351.	6.7	54
10	Novel chiller fault diagnosis using deep neural network (DNN) with simulated annealing (SA). <i>International Journal of Refrigeration</i> , 2021, 121, 269-278.	3.4	38
11	Experimental study on a closed-loop pulsating heat pipe (CLPHP) charged with water-based binary zeotropes and the corresponding pure fluids. <i>Energy</i> , 2016, 109, 724-736.	8.8	34
12	Comparative study of probabilistic neural network and back propagation network for fault diagnosis of refrigeration systems. <i>Science and Technology for the Built Environment</i> , 2018, 24, 448-457.	1.7	23
13	Fault diagnosis for building chillers based on data self-production and deep convolutional neural network. <i>Journal of Building Engineering</i> , 2021, 34, 102043.	3.4	18
14	Chiller fault detection and diagnosis by knowledge transfer based on adaptive imbalanced processing. <i>Science and Technology for the Built Environment</i> , 2020, 26, 1082-1099.	1.7	16
15	Knowledge mining for chiller faults based on explanation of data-driven diagnosis. <i>Applied Thermal Engineering</i> , 2022, 205, 118032.	6.0	16
16	Application of PSO-LSSVM and hybrid programming to fault diagnosis of refrigeration systems. <i>Science and Technology for the Built Environment</i> , 2021, 27, 592-607.	1.7	4
17	A feature importance ranking based fault diagnosis method for variable-speed screw chiller. <i>Science and Technology for the Built Environment</i> , 2022, 28, 137-151.	1.7	2