

John M House

List of Publications by Citations

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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.

26
papers

526
citations

9
h-index

22
g-index

26
ext. papers

646
ext. citations

3.5
avg, IF

3.72
L-index

#	Paper	IF	Citations
26	EFFECT OF A CENTERED CONDUCTING BODY ON NATURAL CONVECTION HEAT TRANSFER IN AN ENCLOSURE. <i>Numerical Heat Transfer; Part A: Applications</i> , 1990 , 18, 213-225	2.3	161
25	A rule-based fault detection method for air handling units. <i>Energy and Buildings</i> , 2006 , 38, 1485-1492	7	160
24	Modeling and fault diagnosis design for HVAC systems using recurrent neural networks. <i>Computers and Chemical Engineering</i> , 2019 , 126, 189-203	4	40
23	Real-time optimization of a chilled water plant with parallel chillers based on extremum seeking control. <i>Applied Energy</i> , 2017 , 208, 766-781	10.7	38
22	Heating, ventilation and air conditioning systems: Fault detection and isolation and safe parking. <i>Computers and Chemical Engineering</i> , 2018 , 108, 139-151	4	28
21	A New Sequencing Control Strategy for Air-Handling Units. <i>HVAC and R Research</i> , 1999 , 5, 35-58		21
20	A hybrid modeling approach integrating first-principles knowledge with statistical methods for fault detection in HVAC systems. <i>Computers and Chemical Engineering</i> , 2020 , 142, 107022	4	11
19	Integrated Control and Fault Detection of Air-Handling Units. <i>HVAC and R Research</i> , 2009 , 15, 25-55		10
18	Comparison of methods for design sensitivity analysis for optimal control of thermal systems. <i>Optimal Control Applications and Methods</i> , 1993 , 14, 17-37	1.7	10
17	Multi-variable extremum seeking control for a multi-functional variable refrigerant flow system. <i>Science and Technology for the Built Environment</i> , 2018 , 24, 382-395	1.8	7
16	Optimization and sequencing of chilled-water plant based on extremum seeking control 2016 ,		6
15	Optimal control of HVAC systems using DDP and NLP techniques. <i>Optimal Control Applications and Methods</i> , 1996 , 17, 71-78	1.7	6
14	Experimental evaluation of anti-windup extremum seeking control for airside economizers. <i>Control Engineering Practice</i> , 2016 , 50, 37-47	3.9	5
13	Results from field testing of air handling unit and variable air volume box fault detection tools 2003 ,		4
12	An extremum-seeking control method driven by input-output correlation. <i>Journal of Process Control</i> , 2017 , 58, 106-116	3.9	3
11	Results from laboratory testing of embedded air handling unit and variable air volume box fault detection tools 2003 ,		3
10	Model-free control and staging for real-time energy efficient operation of a variable refrigerant flow system with multiple outdoor units. <i>Applied Thermal Engineering</i> , 2020 , 180, 115787	5.8	3

9	Distributed fault diagnosis of heating, ventilation, and air conditioning systems. <i>AICHE Journal</i> , 2018 , 65, 640	3.6	3
8	Mode switching control for a multi-functional variable refrigerant flow system. <i>Science and Technology for the Built Environment</i> , 2018 , 24, 418-434	1.8	2
7	Self-perturbing extremum-seeking controller with adaptive gain. <i>Control Engineering Practice</i> , 2020 , 101, 104456	3.9	2
6	Local self-optimizing control based on extremum seeking control. <i>Control Engineering Practice</i> , 2020 , 99, 104394	3.9	1
5	Input selection for multivariable extremum seeking control with application to real-time optimization of a chilled-water plant 2017 ,		1
4	2018 ,		1
3	Extremum-seeking control integrated online input selection with application to a chilled-water plant. <i>Science and Technology for the Built Environment</i> , 1-18	1.8	0
2	Dither extremum seeking control of a variable refrigerant flow system with equality constraint handling. <i>Science and Technology for the Built Environment</i> , 1-18	1.8	
1	A comparison of two extremum seeking control strategies based on simulation and laboratory tests for heat pump air conditioning. <i>Science and Technology for the Built Environment</i> , 2021 , 27, 641-655 ^{1.8}		