# John M House

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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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.

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|---|---|---|---|
| 26<br>papers | 526<br>citations | 9<br>h-index | 22<br>g-index |
| 26<br>ext. papers | 646<br>ext. citations | 3.5<br>avg, IF | 3.72<br>L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 26 | A comparison of two extremum seeking control strategies based on simulation and laboratory tests for heat pump air conditioning. *Science and Technology for the Built Environment*, **2021**, 27, 641-655 | 1.8 | |
| 25 | Local self-optimizing control based on extremum seeking control. *Control Engineering Practice*, **2020**, 99, 104394 | 3.9 | 1 |
| 24 | Self-perturbing extremum-seeking controller with adaptive gain. *Control Engineering Practice*, **2020**, 101, 104456 | 3.9 | 2 |
| 23 | 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 |
| 22 | Model-free control and staging for real-time energy efficient operation of a variable refrigerant flow system with multiple outdoor units. *Applied Thermal Engineering*, **2020**, 180, 115787 | 5.8 | 3 |
| 21 | Modeling and fault diagnosis design for HVAC systems using recurrent neural networks. *Computers and Chemical Engineering*, **2019**, 126, 189-203 | 4 | 40 |
| 20 | Mode switching control for a multi-functional variable refrigerant flow system. *Science and Technology for the Built Environment*, **2018**, 24, 418-434 | 1.8 | 2 |
| 19 | Multi-variable extremum seeking control for a multi-functional variable refrigerant flow system. *Science and Technology for the Built Environment*, **2018**, 24, 382-395 | 1.8 | 7 |
| 18 | Heating, ventilation and air conditioning systems: Fault detection and isolation and safe parking. *Computers and Chemical Engineering*, **2018**, 108, 139-151 | 4 | 28 |
| 17 | Distributed fault diagnosis of heating, ventilation, and air conditioning systems. *AICHE Journal*, **2018**, 65, 640 | 3.6 | 3 |
| 16 | **2018**, | | 1 |
| 15 | Real-time optimization of a chilled water plant with parallel chillers based on extremum seeking control. *Applied Energy*, **2017**, 208, 766-781 | 10.7 | 38 |
| 14 | An extremum-seeking control method driven by input–output correlation. *Journal of Process Control*, **2017**, 58, 106-116 | 3.9 | 3 |
| 13 | Input selection for multivariable extremum seeking control with application to real-time optimization of a chilled-water plant **2017**, | | 1 |
| 12 | Optimization and sequencing of chilled-water plant based on extremum seeking control **2016**, | | 6 |
| 11 | Experimental evaluation of anti-windup extremum seeking control for airside economizers. *Control Engineering Practice*, **2016**, 50, 37-47 | 3.9 | 5 |
| 10 | Integrated Control and Fault Detection of Air-Handling Units. *HVAC and R Research*, **2009**, 15, 25-55 | | 10 |

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|---|---|---|---|
| 9 | A rule-based fault detection method for air handling units. *Energy and Buildings*, **2006**, 38, 1485-1492 | 7 | 160 |
| 8 | Results from field testing of air handling unit and variable air volume box fault detection tools **2003**, | | 4 |
| 7 | Results from laboratory testing of embedded air handling unit and variable air volume box fault detection tools **2003**, | | 3 |
| 6 | A New Sequencing Control Strategy for Air-Handling Units. *HVAC and R Research*, **1999**, 5, 35-58 | | 21 |
| 5 | Optimal control of HVAC systems using DDP and NLP techniques. *Optimal Control Applications and Methods*, **1996**, 17, 71-78 | 1.7 | 6 |
| 4 | Comparison of methods for design sensitivity analysis for optimal control of thermal systems. *Optimal Control Applications and Methods*, **1993**, 14, 17-37 | 1.7 | 10 |
| 3 | EFFECT OF A CENTERED CONDUCTING BODY ON NATURAL CONVECTION HEAT TRANSFER IN AN ENCLOSURE. *Numerical Heat Transfer; Part A: Applications*, **1990**, 18, 213-225 | 2.3 | 161 |
| 2 | Dither extremum seeking control of a variable refrigerant flow system with equality constraint handling. *Science and Technology for the Built Environment*,1-18 | 1.8 | |
| 1 | Extremum-seeking control integrated online input selection with application to a chilled-water plant. *Science and Technology for the Built Environment*,1-18 | 1.8 | 0 |