

CITATION REPORT

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Self-tuning dynamic models of HVAC system components

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#	Paper	IF	Citations
55	An energy-efficient air-conditioning system with an exhaust fan integrated with a supply fan. <i>Energy and Buildings</i> , 2009 , 41, 1299-1305	7	6
54	An online model-based fault diagnosis scheme for HVAC systems. 2011 ,		13
53	Supervisory and optimal control of central chiller plants using simplified adaptive models and genetic algorithm. <i>Applied Energy</i> , 2011 , 88, 198-211	10.7	115
52	Research on multi-zone VAV air conditioning system modeling. 2012 ,		2
51	Sensor Calibration and Diagnostics Under Parameter Uncertainty: A Smart Building Application*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 409-414		1
50	Online model-based fault detection and diagnosis strategy for VAV air handling units. <i>Energy and Buildings</i> , 2012 , 55, 252-263	7	48
49	Integrated parameter estimation of multi-component thermal systems with demonstration on a combined heat and power system. <i>ISA Transactions</i> , 2012 , 51, 507-13	5.5	2
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47	Nonlinear dynamics, bifurcation and performance analysis of an air-handling unit: Disturbance rejection via feedback linearization. <i>Energy and Buildings</i> , 2013 , 56, 150-159	7	5
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45	Fault detection of cooling coils based on unscented Kalman filters and statistical process control. 2013 ,		4
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41	ARX model based fault detection and diagnosis for chillers using support vector machines. <i>Energy and Buildings</i> , 2014 , 81, 287-295	7	95
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37	Coordinated optimization of the variable refrigerant flow and variable air volume combined air-conditioning system in heating conditions. <i>Science and Technology for the Built Environment</i> , 2015 , 21, 904-916	1.8	4
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34	Building Energy Modeling Using Artificial Neural Networks. <i>Energy Research Journal</i> , 2016 , 7, 24-34	0.4	3
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29	Indoor air quality and energy management through real-time sensing in commercial buildings. <i>Energy and Buildings</i> , 2016 , 111, 145-153	7	81
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27	Minimization of electricity demand and cost for multi-zone buildings: Part I Modeling and validation. <i>Science and Technology for the Built Environment</i> , 2017 , 23, 998-1012	1.8	2
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2 A review of the Digital Twin technology for fault detection in buildings. 8, 1

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