

Frauke Oldewurtel

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.

21
papers

2,438
citations

18
h-index

21
g-index

21
ext. papers

2,826
ext. citations

6.4
avg, IF

4.93
L-index

#	Paper	IF	Citations
21	Use of model predictive control and weather forecasts for energy efficient building climate control. <i>Energy and Buildings</i> , 2012 , 45, 15-27	7	712
20	Experimental analysis of model predictive control for an energy efficient building heating system. <i>Applied Energy</i> , 2011 , 88, 3079-3087	10.7	475
19	Importance of occupancy information for building climate control. <i>Applied Energy</i> , 2013 , 101, 521-532	10.7	264
18	Building modeling as a crucial part for building predictive control. <i>Energy and Buildings</i> , 2013 , 56, 8-22	7	207
17	Energy efficient building climate control using Stochastic Model Predictive Control and weather predictions 2010 ,		198
16	Reducing peak electricity demand in building climate control using real-time pricing and model predictive control 2010 ,		103
15	A tractable approximation of chance constrained stochastic MPC based on affine disturbance feedback 2008 ,		81
14	. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1198-1205	4.8	68
13	Analytical reformulation of security constrained optimal power flow with probabilistic constraints 2013 ,		62
12	. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 4272-4285	7	61
11	2013 ,		31
10	Stochastic MPC Framework for Controlling the Average Constraint Violation. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1706-1721	5.9	29
9	Use of partial least squares within the control relevant identification for buildings. <i>Control Engineering Practice</i> , 2013 , 21, 113-121	3.9	27
8	Robust Provision of Frequency Reserves by Office Building Aggregations. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 12068-12073		20
7	Towards a standardized building assessment for demand response 2013 ,		20
6	Strongly feasible stochastic model predictive control 2011 ,		20
5	Risk-based optimal power flow with probabilistic guarantees. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 72, 66-74	5.1	18

4	Least-restrictive robust periodic model predictive control applied to room temperature regulation. <i>Automatica</i> , 2013 , 49, 2760-2766	5-7	18
3	Risk-constrained optimal power flow with probabilistic guarantees 2014 ,		13
2	Building model identification during regular operation - empirical results and challenges 2016 ,		6
1	Stochastic model predictive control: Controlling the average number of constraint violations 2012 ,		5