

# Frauke Oldewurtel

## List of Publications by Year in Descending Order

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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	. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 4272-4285	7	61
20	Building model identification during regular operation - empirical results and challenges <b>2016</b> ,		6
19	Risk-based optimal power flow with probabilistic guarantees. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 72, 66-74	5.1	18
18	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2014</b> , 22, 1198-1205	4.8	68
17	Robust Provision of Frequency Reserves by Office Building Aggregations. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 12068-12073		20
16	Risk-constrained optimal power flow with probabilistic guarantees <b>2014</b> ,		13
15	Stochastic MPC Framework for Controlling the Average Constraint Violation. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 1706-1721	5.9	29
14	Least-restrictive robust periodic model predictive control applied to room temperature regulation. <i>Automatica</i> , <b>2013</b> , 49, 2760-2766	5.7	18
13	Use of partial least squares within the control relevant identification for buildings. <i>Control Engineering Practice</i> , <b>2013</b> , 21, 113-121	3.9	27
12	Importance of occupancy information for building climate control. <i>Applied Energy</i> , <b>2013</b> , 101, 521-532	10.7	264
11	Analytical reformulation of security constrained optimal power flow with probabilistic constraints <b>2013</b> ,		62
10	Building modeling as a crucial part for building predictive control. <i>Energy and Buildings</i> , <b>2013</b> , 56, 8-22	7	207
9	<b>2013</b> ,		31
8	Towards a standardized building assessment for demand response <b>2013</b> ,		20
7	Use of model predictive control and weather forecasts for energy efficient building climate control. <i>Energy and Buildings</i> , <b>2012</b> , 45, 15-27	7	712
6	Stochastic model predictive control: Controlling the average number of constraint violations <b>2012</b> ,		5
5	Experimental analysis of model predictive control for an energy efficient building heating system. <i>Applied Energy</i> , <b>2011</b> , 88, 3079-3087	10.7	475

4	Strongly feasible stochastic model predictive control <b>2011</b> ,	20
3	Reducing peak electricity demand in building climate control using real-time pricing and model predictive control <b>2010</b> ,	103
2	Energy efficient building climate control using Stochastic Model Predictive Control and weather predictions <b>2010</b> ,	198
1	A tractable approximation of chance constrained stochastic MPC based on affine disturbance feedback <b>2008</b> ,	81