

Frauke Oldewurtel

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

3,191
citations

840119

11
h-index

1281420

11
g-index

21
all docs

21
docs citations

21
times ranked

2474
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of model predictive control and weather forecasts for energy efficient building climate control. Energy and Buildings, 2012, 45, 15-27.	3.1	886
2	Experimental analysis of model predictive control for an energy efficient building heating system. Applied Energy, 2011, 88, 3079-3087.	5.1	597
3	Importance of occupancy information for building climate control. Applied Energy, 2013, 101, 521-532.	5.1	351
4	Building modeling as a crucial part for building predictive control. Energy and Buildings, 2013, 56, 8-22.	3.1	271
5	Energy efficient building climate control using Stochastic Model Predictive Control and weather predictions. , 2010, , .		263
6	Reducing peak electricity demand in building climate control using real-time pricing and model predictive control. , 2010, , .		135
7	A tractable approximation of chance constrained stochastic MPC based on affine disturbance feedback. , 2008, , .		119
8	Stochastic Model Predictive Control for Building Climate Control. IEEE Transactions on Control Systems Technology, 2014, 22, 1198-1205.	3.2	106
9	Robust Energy-Constrained Frequency Reserves From Aggregations of Commercial Buildings. IEEE Transactions on Power Systems, 2016, 31, 4272-4285.	4.6	93
10	Analytical reformulation of security constrained optimal power flow with probabilistic constraints. , 2013, , .		76
11	Stochastic MPC Framework for Controlling the Average Constraint Violation. IEEE Transactions on Automatic Control, 2014, 59, 1706-1721.	3.6	42
12	A framework for and assessment of demand response and energy storage in power systems. , 2013, , .		41
13	Towards a standardized building assessment for demand response. , 2013, , .		40
14	Robust Provision of Frequency Reserves by Office Building Aggregations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12068-12073.	0.4	36
15	Use of partial least squares within the control relevant identification for buildings. Control Engineering Practice, 2013, 21, 113-121.	3.2	31
16	Strongly feasible stochastic model predictive control. , 2011, , .		30
17	Risk-based optimal power flow with probabilistic guarantees. International Journal of Electrical Power and Energy Systems, 2015, 72, 66-74.	3.3	24
18	Least-restrictive robust periodic model predictive control applied to room temperature regulation. Automatica, 2013, 49, 2760-2766.	3.0	23

#	ARTICLE	IF	CITATIONS
19	Risk-constrained optimal power flow with probabilistic guarantees. , 2014, , .		15
20	Stochastic model predictive control: Controlling the average number of constraint violations. , 2012, , .		6
21	Building model identification during regular operation - empirical results and challenges. , 2016, , .		6