

Paul Trodden

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

878
citations

840728

11
h-index

940516

16
g-index

27
all docs

27
docs citations

27
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Solutions of the Optimal Power Flow Problem. IEEE Transactions on Power Systems, 2013, 28, 4780-4788.	6.5	161
2	Optimization-Based Islanding of Power Networks Using Piecewise Linear AC Power Flow. IEEE Transactions on Power Systems, 2014, 29, 1212-1220.	6.5	126
3	Distributed model predictive control of linear systems with persistent disturbances. International Journal of Control, 2010, 83, 1653-1663.	1.9	97
4	Model predictive control system design and implementation for spacecraft rendezvous. Control Engineering Practice, 2012, 20, 695-713.	5.5	94
5	Cooperative distributed MPC of linear systems with coupled constraints. Automatica, 2013, 49, 479-487.	5.0	76
6	MILP formulation for controlled islanding of power networks. International Journal of Electrical Power and Energy Systems, 2013, 45, 501-508.	5.5	67
7	A One-Step Approach to Computing a Polytopic Robust Positively Invariant Set. IEEE Transactions on Automatic Control, 2016, 61, 4100-4105.	5.7	55
8	Distributed predictive control with minimization of mutual disturbances. Automatica, 2017, 77, 31-43.	5.0	54
9	Adaptive cooperation in robust distributed model predictive control. , 2009, , .		25
10	Coalitional predictive control: Consensus-based coalition forming with robust regulation. Automatica, 2021, 125, 109380.	5.0	24
11	Model Predictive Control of Linear Systems With Preview Information: Feasibility, Stability, and Inherent Robustness. IEEE Transactions on Automatic Control, 2019, 64, 3831-3838.	5.7	19
12	Switching Tube-Based MPC: Characterization of Minimum Dwell-Time for Feasible and Robustly Stable Switching. IEEE Transactions on Automatic Control, 2019, 64, 4345-4352.	5.7	17
13	Feasible parallel-update distributed MPC for uncertain linear systems sharing convex constraints. Systems and Control Letters, 2014, 74, 98-107.	2.3	10
14	Stabilizing predictive control with persistence of excitation for constrained linear systems. Systems and Control Letters, 2019, 126, 58-66.	2.3	10
15	Low-Complexity Distributed Predictive Automatic Generation Control With Guaranteed Properties. IEEE Transactions on Smart Grid, 2017, 8, 3045-3054.	9.0	8
16	Highly Flexible Self-Reconfigurable Systems for Rapid Layout Formation to Offer Manufacturing Services. , 2013, , .		7
17	Model predictive load frequency control of a two-area deregulated power system. , 2015, , .		5
18	Simultaneous and Sequential Control Design for Discrete-Time Switched Linear Systems Using Semi-Definite Programming. , 2021, 5, 1393-1398.		5

#	ARTICLE	IF	CITATIONS
19	Distributed model predictive control as a game with coupled constraints. , 2009, , .		4
20	Weak Interactions Based System Partitioning Using Integer Linear Programming. IFAC-PapersOnLine, 2017, 50, 3635-3641.	0.9	3
21	Reinforcement learning for condition-based control of gas turbine engines. , 2019, , .		3
22	Supervised-distributed control with joint performance and communication optimisation. International Journal of Control, 2020, , 1-12.	1.9	3
23	A Distributed Model Predictive Control Scheme with Robustness Against Noncompliant Controllers. , 2018, , .		2
24	Learning of cooperative behaviour in robot populations. , 2016, , .		1
25	Generalized model for load frequency control studies in a deregulated environment. , 2016, , .		1
26	Model Predictive Load Frequency Control of a Deregulated Power System with Battery Energy Storage. , 2019, , .		1
27	Simultaneous and Sequential Control Design for Discrete-Time Switched Linear Systems Using Semi-Definite Programming. , 2021, , .		0