

Frank Allgöwer

List of Publications by Year in descending order

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573
papers

15,228
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591
all docs

591
docs citations

591
times ranked

7423
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-Driven Analysis and Controller Design for Discrete-Time Systems Under Aperiodic Sampling. IEEE Transactions on Automatic Control, 2023, 68, 3210-3225.	5.7	8
2	Uncertainties and Output Feedback in Rollout Event-Triggered Control. IEEE Transactions on Control of Network Systems, 2023, 10, 1195-1208.	3.7	1
3	Constrained Nonlinear Output Regulation Using Model Predictive Control. IEEE Transactions on Automatic Control, 2022, 67, 2419-2434.	5.7	7
4	Training Robust Neural Networks Using Lipschitz Bounds. , 2022, 6, 121-126.		51
5	Model-Free Practical Cooperative Control for Diffusively Coupled Systems. IEEE Transactions on Automatic Control, 2022, 67, 754-766.	5.7	9
6	Rollout event-triggered control: reconciling event- and time-triggered control. Automatisierungstechnik, 2022, 70, 331-342.	0.8	2
7	A robust adaptive model predictive control framework for nonlinear uncertain systems. International Journal of Robust and Nonlinear Control, 2021, 31, 8725-8749.	3.7	31
8	A Computationally Efficient Robust Model Predictive Control Framework for Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2021, 66, 794-801.	5.7	78
9	Sampling Strategies for Data-Driven Inference of Input-Output System Properties. IEEE Transactions on Automatic Control, 2021, 66, 1144-1159.	5.7	10
10	Linear Weakly Hard Real-Time Control Systems: Time- and Event-Triggered Stabilization. IEEE Transactions on Automatic Control, 2021, 66, 1932-1939.	5.7	9
11	Data-Driven Model Predictive Control With Stability and Robustness Guarantees. IEEE Transactions on Automatic Control, 2021, 66, 1702-1717.	5.7	273
12	Distributed economic model predictive control for cooperative supply chain management using customer forecast information. IFAC Journal of Systems and Control, 2021, 15, 100125.	1.7	8
13	Controller and Triggering Mechanism Co-design for Control Over Time-Slotted Networks. IEEE Transactions on Control of Network Systems, 2021, 8, 222-232.	3.7	3
14	Robust and optimal predictive control of the COVID-19 outbreak. Annual Reviews in Control, 2021, 51, 525-539.	7.9	103
15	Transient Performance of Tube-based Robust Economic Model Predictive Control. IFAC-PapersOnLine, 2021, 54, 28-35.	0.9	2
16	Data-driven analysis and control of continuous-time systems under aperiodic sampling. IFAC-PapersOnLine, 2021, 54, 210-215.	0.9	17
17	On the design of terminal ingredients for data-driven MPC. IFAC-PapersOnLine, 2021, 54, 257-263.	0.9	20
18	Robustness Analysis of Biological Models. , 2021, , 1981-1986.		1

#	ARTICLE	IF	CITATIONS
19	Data-driven model predictive control: closed-loop guarantees and experimental results. <i>Automatisierungstechnik</i> , 2021, 69, 608-618.	0.8	24
20	Model predictive control for autonomous ground vehicles: a review. <i>Autonomous Intelligent Systems</i> , 2021, 1, 1.	3.1	25
21	Model Predictive Control for Flexible Job Shop Scheduling in Industry 4.0. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8145.	2.5	10
22	Dissipativity Verification With Guarantees for Polynomial Systems From Noisy Input-State Data. , 2021, 5, 1399-1404.		15
23	Efficient stability analysis approaches for nonlinear weakly-hard real-time control systems. <i>Automatica</i> , 2021, 133, 109868.	5.0	6
24	Determining optimal input-output properties: A data-driven approach. <i>Automatica</i> , 2021, 134, 109906.	5.0	13
25	Stability and performance in MPC using a finite-tail cost. <i>IFAC-PapersOnLine</i> , 2021, 54, 166-171.	0.9	5
26	Cell cycle progression and transmitotic apoptosis resistance promote escape from extrinsic apoptosis. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	6
27	Data-Based System Analysis and Control of Flat Nonlinear Systems. , 2021, , .		21
28	Data-Driven Control of Nonlinear Systems: Beyond Polynomial Dynamics. , 2021, , .		12
29	An Offline-Sampling SMPC Framework With Application to Autonomous Space Maneuvers. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 388-402.	5.2	20
30	A Nonlinear Model Predictive Control Framework Using Reference Generic Terminal Ingredients. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 3576-3583.	5.7	48
31	A trajectory-based framework for data-driven system analysis and control. , 2020, , .		66
32	Robust data-driven state-feedback design. , 2020, , .		86
33	Scheduling and control over networks using MPC with time-varying terminal ingredients. , 2020, , .		4
34	Sample-based modeling reveals bidirectional interplay between cell cycle progression and extrinsic apoptosis. <i>PLoS Computational Biology</i> , 2020, 16, e1007812.	3.2	6
35	Augmenting MPC Schemes With Active Learning: Intuitive Tuning and Guaranteed Performance. , 2020, 4, 713-718.		14
36	Periodic optimal control of nonlinear constrained systems using economic model predictive control. <i>Journal of Process Control</i> , 2020, 92, 185-201.	3.3	3

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37	Safe and Fast Tracking on a Robot Manipulator: Robust MPC and Neural Network Control. IEEE Robotics and Automation Letters, 2020, 5, 3050-3057.	5.1	92
38	Dissipativity properties in constrained optimal control: A computational approach. Automatica, 2020, 114, 108840.	5.0	18
39	A nonlinear tracking model predictive control scheme for dynamic target signals. Automatica, 2020, 118, 109030.	5.0	30
40	Data-Driven Tracking MPC for Changing Setpoints. IFAC-PapersOnLine, 2020, 53, 6923-6930.	0.9	20
41	Robust Economic Model Predictive Control without Terminal Conditions. IFAC-PapersOnLine, 2020, 53, 7097-7104.	0.9	6
42	Distributed Model Predictive Control for Consensus of Constrained Heterogeneous Linear Systems. , 2020, , .		4
43	Rollout scheduling and control for disturbed systems via tube MPC. , 2020, , .		6
44	Dynamic uncertainties in model predictive control: guaranteed stability for constrained linear systems. , 2020, , .		8
45	Verifying dissipativity properties from noise-corrupted input-state data. , 2020, , .		13
46	A Constraint-Tightening Approach to Nonlinear Stochastic Model Predictive Control under General Bounded Disturbances. IFAC-PapersOnLine, 2020, 53, 7130-7135.	0.9	6
47	Saving Tokens in Rollout Control with Token Bucket Specification. IFAC-PapersOnLine, 2020, 53, 2620-2627.	0.9	1
48	Stability Analysis for Nonlinear Weakly Hard Real-Time Control Systems. IFAC-PapersOnLine, 2020, 53, 2594-2599.	0.9	8
49	A distributed optimization algorithm for Nash bargaining in multi-agent systems. IFAC-PapersOnLine, 2020, 53, 2684-2689.	0.9	2
50	Stability and performance in transient average constrained economic MPC without terminal constraints. IFAC-PapersOnLine, 2020, 53, 6943-6950.	0.9	3
51	Probabilistic H-norm estimation via Gaussian process system identification. IFAC-PapersOnLine, 2020, 53, 431-436.	0.9	0
52	A Resource-Aware Approach to Self-Triggered Model Predictive Control. IFAC-PapersOnLine, 2020, 53, 2733-2738.	0.9	3
53	A Novel Optimal Online Scheduling Scheme for Flexible Manufacturing Systems. IFAC-PapersOnLine, 2019, 52, 1-6.	0.9	7
54	A simple framework for nonlinear robust output-feedback MPC. , 2019, , .		4

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55	One-Shot Verification of Dissipativity Properties From Input-Output Data. , 2019, 3, 709-714.		71
56	Predictive Control Over a Dynamical Token Bucket Network. , 2019, 3, 859-864.		10
57	Periodic event-triggered control for networked control systems based on non-monotonic Lyapunov functions. Automatica, 2019, 106, 35-46.	5.0	60
58	Robust MPC with recursive model update. Automatica, 2019, 103, 461-471.	5.0	112
59	Moment Dynamics of Zirconia Particle Formation for Optimizing Particle Size Distribution. Nanomaterials, 2019, 9, 333.	4.1	1
60	Integration of Communication Networks and Control Systems Using a Slotted Transmission Classification Model. , 2019, , .		6
61	Economic model predictive control for snake robot locomotion. , 2019, , .		11
62	Linear robust adaptive model predictive control: Computational complexity and conservatism. , 2019, , .		26
63	Graph topology and subsystem centrality in approximately dissipative system interconnections. , 2019, , .		1
64	Nonlinearity measures for data-driven system analysis and control. , 2019, , .		5
65	Collision avoidance for uncertain nonlinear systems with moving obstacles using robust Model Predictive Control. , 2019, , .		37
66	Dual Adaptive MPC for output tracking of linear systems. , 2019, , .		8
67	Nonlinear Dynamic Periodic Event-Triggered Control with Robustness to Packet Loss Based on Non-Monotonic Lyapunov Functions. , 2019, , .		7
68	A Petri Net Modeling Framework for the Control of Flexible Manufacturing Systems. IFAC-PapersOnLine, 2019, 52, 492-498.	0.9	5
69	Event-based Containability for Linear Systems with Arbitrarily Small Bit Rates. IFAC-PapersOnLine, 2019, 52, 31-36.	0.9	0
70	Individual-based modeling explains effects of TRAIL treatment in cancer cells.. IFAC-PapersOnLine, 2019, 52, 207-212.	0.9	0
71	Event-triggered and self-triggered control for linear systems based on reachable sets. Automatica, 2019, 101, 15-26.	5.0	33
72	Distributed model predictive control-Recursive feasibility under inexact dual optimization. Automatica, 2019, 102, 1-9.	5.0	16

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73	Simultaneous stabilization of discrete-time delay systems and bounds on delay margin. Automatica, 2019, 101, 296-308.	5.0	7
74	Ensemble Controllability of Cellular Oscillators. , 2019, 3, 296-301.		13
75	Stochastic model predictive control without terminal constraints. International Journal of Robust and Nonlinear Control, 2019, 29, 4987-5001.	3.7	16
76	Nonlinear Reference Tracking: An Economic Model Predictive Control Perspective. IEEE Transactions on Automatic Control, 2019, 64, 254-269.	5.7	61
77	Cooperative Estimation and Robust Synchronization of Heterogeneous Multiagent Systems With Coupled Measurements. IEEE Transactions on Control of Network Systems, 2018, 5, 1597-1607.	3.7	11
78	Passivity-Based Ensemble Control for Cell Cycle Synchronization. Lecture Notes in Control and Information Sciences - Proceedings, 2018, , 1-13.	0.1	3
79	Stochastic thresholds in event-triggered control: A consistent policy for quadratic control. Automatica, 2018, 89, 376-381.	5.0	28
80	Enhancing Output-Feedback MPC With Set-Valued Moving Horizon Estimation. IEEE Transactions on Automatic Control, 2018, 63, 2976-2986.	5.7	22
81	On optimal system operation in robust economic MPC. Automatica, 2018, 88, 98-106.	5.0	22
82	Event-Based Vehicle Coordination Using Nonlinear Unidirectional Controllers. IEEE Transactions on Control of Network Systems, 2018, 5, 1575-1584.	3.7	38
83	Death patterns resulting from cell cycle-independent cell death.. IFAC-PapersOnLine, 2018, 51, 90-93.	0.9	1
84	Interconnections of dissipative systems and distributed economic MPC. IFAC-PapersOnLine, 2018, 51, 86-91.	0.9	5
85	MPC for nonlinear periodic tracking using reference generic offline computations. IFAC-PapersOnLine, 2018, 51, 556-561.	0.9	6
86	Learning-Based Robust Model Predictive Control with State-Dependent Uncertainty. IFAC-PapersOnLine, 2018, 51, 442-447.	0.9	50
87	Data-driven inference of conic relations via saddle-point dynamics. IFAC-PapersOnLine, 2018, 51, 396-401.	0.9	3
88	Ensemble control for cell cycle synchronization of heterogeneous cell populations. IFAC-PapersOnLine, 2018, 51, 44-47.	0.9	0
89	Bearing-Only Formation Control with Limited Visual Sensing: Two Agent Case. IFAC-PapersOnLine, 2018, 51, 28-33.	0.9	5
90	Optimal Experiment Design and Leveraging Competition for Shared Resources in Cell-Free Extracts. , 2018, , .		5

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91	Performance oriented triggering mechanisms with guaranteed traffic characterization for linear discrete-time systems. , 2018, , .		8
92	Nonlinear Reference Tracking with Model Predictive Control:An Intuitive Approach. , 2018, , .		4
93	Sensitization of glioblastoma cells to TRAIL-induced apoptosis by IAP- and Bcl-2 antagonism. Cell Death and Disease, 2018, 9, 1112.	6.3	13
94	Indefinite Linear Quadratic Optimal Control: Strict Dissipativity and Turnpike Properties. , 2018, 2, 399-404.		10
95	Bcl-2-mediated control of TRAIL-induced apoptotic response in the non-small lung cancer cell line NCI-H460 is effective at late caspase processing steps. PLoS ONE, 2018, 13, e0198203.	2.5	12
96	Containability With Event-Based Sampling for Scalar Systems With Time-Varying Delay and Uncertainty. , 2018, 2, 725-730.		4
97	Some Ideas on Sampling Strategies for Data-Driven Inference of Passivity Properties for MIMO Systems. , 2018, , .		17
98	Dynamic Resource Allocation to Control Epidemic Outbreaks A Model Predictive Control Approach. , 2018, , .		12
99	A Distributed Control Approach to Formation Balancing and Maneuvering of Multiple Multirotor UAVs. IEEE Transactions on Robotics, 2018, 34, 870-882.	10.3	52
100	A distributed economic MPC framework for cooperative control under conflicting objectives. Automatica, 2018, 96, 368-379.	5.0	21
101	Learning an Approximate Model Predictive Controller With Guarantees. , 2018, 2, 543-548.		153
102	A novel constraint tightening approach for nonlinear robust model predictive control. , 2018, , .		37
103	On Periodic Dissipativity Notions in Economic Model Predictive Control. , 2018, 2, 501-506.		12
104	Iterative Learning and Extremum Seeking for Repetitive Time-Varying Mappings. IEEE Transactions on Automatic Control, 2017, 62, 3339-3353.	5.7	15
105	An Input-Output Framework for Submanifold Stabilization. IEEE Transactions on Automatic Control, 2017, 62, 5170-5184.	5.7	0
106	Fekete Points, Formation Control, and the Balancing Problem. IEEE Transactions on Automatic Control, 2017, 62, 5069-5081.	5.7	6
107	Stochastic MPC with offline uncertainty sampling. Automatica, 2017, 81, 176-183.	5.0	47
108	Robust Event-Triggered MPC With Guaranteed Asymptotic Bound and Average Sampling Rate. IEEE Transactions on Automatic Control, 2017, 62, 5694-5709.	5.7	74

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109	Consensus algorithm-based approach to fundamental modeling of water pipe networks. <i>AIChE Journal</i> , 2017, 63, 3860-3870.	3.6	3
110	A resource dependent protein synthesis model for evaluating synthetic circuits. <i>Journal of Theoretical Biology</i> , 2017, 420, 267-278.	1.7	5
111	Structured optimal feedback in multi-agent systems: A static output feedback perspective. <i>Automatica</i> , 2017, 76, 214-221.	5.0	12
112	Robust nonlinear control approach to nontrivial maneuvers and obstacle avoidance for quadrotor UAV under disturbances. <i>Robotics and Autonomous Systems</i> , 2017, 98, 317-332.	5.1	36
113	Periodic Signal Compressors. <i>IFAC-PapersOnLine</i> , 2017, 50, 6465-6470.	0.9	0
114	New results on semi-explicit and almost explicit MPC algorithms. <i>Automatisierungstechnik</i> , 2017, 65, 245-259.	0.8	1
115	Stabilizing stochastic MPC without terminal constraints. , 2017, , .		2
116	Structured State Feedback Controllers and Optimal Submanifold Stabilization. <i>SIAM Journal on Control and Optimization</i> , 2017, 55, 2393-2411.	2.1	4
117	Semi-explicit MPC based on subspace clustering. <i>Automatica</i> , 2017, 83, 309-316.	5.0	12
118	Constraint-Tightening and Stability in Stochastic Model Predictive Control. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 3165-3177.	5.7	138
119	The circuit-breaking algorithm for monotone systems. <i>Mathematical Biosciences</i> , 2017, 284, 80-91.	1.9	0
120	Sampled Observability and State Estimation of Linear Discrete Ensembles. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 2406-2418.	5.7	18
121	Real time economic dispatch for power networks: A distributed economic model predictive control approach. , 2017, , .		17
122	Quasi full information feedback control law of linear systems * *Shuyou Yu, Jing Wang and Hong Chen would like to thank the National Natural Science Foundation of China for financial support within the projects No.61573165 and No.61034001. This research was partially supported by the National Research Foundation of Korea Grant funded by the Korean Government (NRF-2015R1D1A1A01060588). <i>IFAC-PapersOnLine</i> , 2017, 50, 904-909.	0.9	2
123	Determining dissipation inequalities from input-output samples * *The authors thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart.. <i>IFAC-PapersOnLine</i> , 2017, 50, 7789-7794.	0.9	17
124	Signal differentiation with genetic networks 1 1Supported by the research cluster BW (www.bwbiosyn.de) of the Ministry for Science, Research and Art Baden-Württemberg.. <i>IFAC-PapersOnLine</i> , 2017, 50, 10938-10943.	0.9	12
125	Adaptive Model Predictive Control with Robust Constraint Satisfaction. <i>IFAC-PapersOnLine</i> , 2017, 50, 3313-3318.	0.9	33
126	On Exploitation of Supply Chain Properties by Sequential Distributed MPC * *P. Käppler, M. Müller and F. Allgäwer thank the German Research Foundation (DFG) for support of this work within grant AL 316/11-1 and within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart. M. Müller and J. Pannek are also supported by the DFG, grant WO 2056/1. <i>IFAC-PapersOnLine</i> , 2017, 50, 7947-7952.	0.9	2

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127	Delay-dependent data rate bounds for containability of scalar systems * *The authors would like to thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart and the project AL 316/13-1.. IFAC-PapersOnLine, 2017, 50, 7875-7880.	0.9	8
128	Systems with integral resource consumption. , 2017, , .		1
129	Separable matrices and minimum complexity controllers. , 2017, , .		0
130	Stabilization of networked control systems with weakly hard real-time dropout description. , 2017, , .		25
131	Transient performance of economic model predictive control with average constraints. , 2017, , .		1
132	Sampling strategies for data-driven inference of passivity properties. , 2017, , .		23
133	Linear systems with quadratic outputs. , 2017, , .		4
134	Periodic reference tracking for nonlinear systems via model predictive control. , 2016, , .		10
135	A distributed economic MPC scheme for coordination of self-interested systems. , 2016, , .		5
136	Observer-based synchronization with relative measurements and unknown neighbour models. , 2016, , .		1
137	Exponentially fast distributed coordination for nonsmooth convex optimization. , 2016, , .		7
138	Efficient Computation of All Distinct Realization Structures of Kinetic Systems. IFAC-PapersOnLine, 2016, 49, 194-200.	0.9	4
139	Input-output control of composite systems. , 2016, , .		1
140	A general sampled observability result and its applications. , 2016, , .		6
141	On the moment dynamics of discrete measures. , 2016, , .		1
142	Consensus-based Distributed Kalman-Bucy Filter for Continuous-time Systems. IFAC-PapersOnLine, 2016, 49, 321-326.	0.9	13
143	Stabilizing Model Predictive Control without Terminal Constraints for Switched Nonlinear Systems. IFAC-PapersOnLine, 2016, 49, 65-70.	0.9	11
144	Min-max economic model predictive control approaches with guaranteed performance. , 2016, , .		11

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145	Some problems arising in controller design from big data via input-output methods. , 2016, , .		32
146	Persistence of Excitation and the Feedback Theorem for Passive Systems. IFAC-PapersOnLine, 2016, 49, 927-932.	0.9	1
147	A Lyapunov Function Approach to the Event-triggered Stabilization of the Minimal Robust Positively Invariant Set**The authors would like to thank the German Research Foundation (DFG) for financial support within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart. The authors would also like to thank the DFG for their financial support within the research grant AL 316/9-1.. IFAC-PapersOnLine, 2016, 49, 25-30.	0.9	0
148	State estimation of interconnected ensembles with anonymized outputs. IFAC-PapersOnLine, 2016, 49, 109-114.	0.9	1
149	Numerical Evaluation of a Robust Self-Triggered MPC Algorithm**The authors would like to thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart. The authors would also like to thank the DFG for their financial support within the research grant AL 316/9-1. This work is also supported by the Innovational Research Incentives Scheme under the VICI grant "Wireless control systems: A new f. IFAC-PapersOnLine, 2016, 49, 151-156.	0.9	3
150	A tube-based approach to nonlinear explicit MPC. , 2016, , .		7
151	A non-monotonic approach to periodic event-triggered control with packet loss. , 2016, , .		2
152	Enhancing output feedback MPC for linear discrete-time systems with set-valued moving horizon estimation. , 2016, , .		5
153	Robust steady state optimization for polytopic systems. , 2016, , .		0
154	IFAC gratuliert Boppard: Glückwünsche einer 60-Jährigen an einen 50-Jährigen. Automatisierungstechnik, 2016, 64, 162-163.	0.8	0
155	Robust economic Model Predictive Control using stochastic information. Automatica, 2016, 74, 151-161.	5.0	33
156	Asymptotic stabilization of submanifolds embedded in Riemannian manifolds. Automatica, 2016, 74, 349-359.	5.0	7
157	Industrie 4.0 " (R)evolution ohne Regelungstechnik?. Automatisierungstechnik, 2016, 64, 507-520.	0.8	2
158	Robust self-triggered MPC for constrained linear systems: A tube-based approach. Automatica, 2016, 72, 73-83.	5.0	97
159	A moment-based approach to ensemble controllability of linear systems. Systems and Control Letters, 2016, 98, 49-56.	2.3	20
160	On the observability properties of systems with rolling shutter. , 2016, , .		2
161	Verteilte Ausgangsregelung von Multiagentensystemen mit gekoppelten Messgrößen. Automatisierungstechnik, 2016, 64, 645-657.	0.8	0
162	Final-state constrained optimal control via a projection operator approach. , 2016, , .		1

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163	Multistability equivalence between gene regulatory networks of different dimensionality with application to a differentiation network. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 4148-4168.	3.7	0
164	Compensating Drift Vector Fields With Gradient Vector Fields for Asymptotic Submanifold Stabilization. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 388-399.	5.7	10
165	Cooperative control of linear multi-agent systems via distributed output regulation and transient synchronization. <i>Automatica</i> , 2016, 68, 132-139.	5.0	98
166	Ensemble Observability of Linear Systems. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 1452-1465.	5.7	40
167	A Simple Semi-explicit MPC Algorithm. <i>IFAC-PapersOnLine</i> , 2015, 48, 489-494.	0.9	3
168	Extremum Seeking with Drift — All authors thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart. Hans-Bernd Dür and Christian Ebenbauer are additionally supported by the German Research Foundation (DFG) within the Emmy-Noether-Grant “Novel Ways in Control and Computation” (EB 425/2-1). <i>IFAC-PapersOnLine</i> , 2015, 48, 126-130.	0.9	2
169	Average Constraints in Robust Economic Model Predictive Control — The authors would like to thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart.. <i>IFAC-PapersOnLine</i> , 2015, 48, 44-49.	0.9	0
170	Improving Performance in Robust Economic MPC Using Stochastic Information**The authors would like to thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart.. <i>IFAC-PapersOnLine</i> , 2015, 48, 410-415.	0.9	3
171	Resource-aware set-valued estimation for discrete-time linear systems. , 2015, , .		9
172	Yield-Analysis of Different Coupling Schemes for Interconnected Bio-Reactors. , 2015, , 384-391.		1
173	Nonlinear Event-Triggered Platooning Control with Exponential Convergence — The authors Steffen Linsenmayer and Frank Allgätwer would like to thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart. The work of Dimos Dimarogonas has been supported by the Swedish Robust Event-Triggered MPC for Constrained Linear Discrete-Time Systems with Guaranteed Average Sampling Rate**The authors would like to thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart. The authors would also like to thank the DFG for their financial support within the research grant AL 316/9-1. This work is also supported by the Innovational Research	0.9	5
174	Robust Event-Triggered MPC for Constrained Linear Discrete-Time Systems with Guaranteed Average Sampling Rate**The authors would like to thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart. The authors would also like to thank the DFG for their financial support within the research grant AL 316/9-1. This work is also supported by the Innovational Research	0.9	13
175	Robust Event-Triggered MPC for Constrained Linear Discrete-Time Systems with Guaranteed Average Sampling Rate**The authors would like to thank the German Research Foundation (DFG) for financial support of the project within the Cluster of Excellence in Simulation Technology (EXC 310/2) at the University of Stuttgart. The authors would also like to thank the DFG for their financial support within the research grant AL 316/9-1. This work is also supported by the Innovational Research Incentives Scheme under the VICI grant Wireless. <i>IFAC-PapersOnLine</i> , 2015, 48, 132-137.	0.9	8
176	On the Necessity of Diffusive Couplings in Linear Synchronization Problems With Quadratic Cost. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 3029-3034.	5.7	15
177	Dynamic Pricing Control for Constrained Distribution Networks With Storage. <i>IEEE Transactions on Control of Network Systems</i> , 2015, 2, 88-97.	3.7	10
178	A convex conic underestimate of Laplacian spectra and its application to network synthesis. , 2015, , .		0
179	Scenario-based Stochastic MPC with guaranteed recursive feasibility. , 2015, , .		6
180	An improved constraint-tightening approach for Stochastic MPC. , 2015, , .		15

#	ARTICLE	IF	CITATIONS
181	Cooperative \hat{x} -estimation for large-scale interconnected linear systems. , 2015, , .		2
182	Robust self-triggered model predictive control for constrained discrete-time LTI systems based on homothetic tubes. , 2015, , .		20
183	On the ensemble observability problem for nonlinear systems. , 2015, , .		7
184	On the state estimation problem for discrete ensembles from discrete-time output snapshots. , 2015, , .		6
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