Li Dai

List of Publications by Year
in descending order

35 papers	**1,106** citations	430754 **18** h-index	395590 **33** g-index
35 all docs	**35** docs citations	**35** times ranked	**836** citing authors

#	Article	IF	Citations
1	Distributed MPC for formation of multi-agent systems with collision avoidance and obstacle avoidance. Journal of the Franklin Institute, 2017, 354, 2068-2085.	1.9	148
2	Event-Based Model Predictive Tracking Control of Nonholonomic Systems With Coupled Input Constraint and Bounded Disturbances. IEEE Transactions on Automatic Control, 2018, 63, 608-615.	3.6	100
3	Robust MPC for tracking constrained unicycle robots with additive disturbances. Automatica, 2018, 90, 172-184.	3.0	97
4	Disturbance Rejection MPC for Tracking of Wheeled Mobile Robot. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2576-2587.	3.7	96
5	Active disturbance rejection control for drag tracking in mars entry guidance. Advances in Space Research, 2014, 53, 853-861.	1.2	75
6	Robust Self-Triggered MPC With Adaptive Prediction Horizon for Perturbed Nonlinear Systems. IEEE Transactions on Automatic Control, 2019, 64, 4780-4787.	3.6	67
7	Distributed Stochastic MPC of Linear Systems With Additive Uncertainty and Coupled Probabilistic Constraints. IEEE Transactions on Automatic Control, 2017, 62, 3474-3481.	3.6	48
8	Event‐triggered predictive control for networked control systems with network‐induced delays and packet dropouts. International Journal of Robust and Nonlinear Control, 2018, 28, 1350-1365.	2.1	48
9	Cooperative distributed stochastic MPC for systems with state estimation and coupled probabilistic constraints. Automatica, 2015, 61, 89-96.	3.0	44
10	Tracking of Unicycle Robots Using Event-Based MPC With Adaptive Prediction Horizon. IEEE/ASME Transactions on Mechatronics, 2020, 25, 739-749.	3.7	39
11	Distributed model predictive control for consensus of nonlinear second-order multi-agent systems. International Journal of Robust and Nonlinear Control, 2017, 27, 830-842.	2.1	38
12	Stochastic self-triggered model predictive control for linear systems with probabilistic constraints. Automatica, 2018, 92, 9-17.	3.0	35
13	A Hybrid Offline Optimization Method for Reconfiguration of Multi-UAV Formations. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 506-520.	2.6	31
14	MPC-based defense strategy for distributed networked control systems under DoS attacks. Systems and Control Letters, 2019, 128, 9-18.	1.3	29
15	Robust MPC for disturbed nonlinear discrete-time systems via a composite self-triggered scheme. Automatica, 2021, 127, 109499.	3.0	28
16	Self-triggered MPC for trajectory tracking of unicycle-type robots with external disturbance. Journal of the Franklin Institute, 2019, 356, 5593-5610.	1.9	22
17	Cooperative distributed model predictive control of multiple coupled linear systems. IET Control Theory and Applications, 2015, 9, 2561-2567.	1.2	20
18	Distributed stochastic MPC for systems with parameter uncertainty and disturbances. International Journal of Robust and Nonlinear Control, 2018, 28, 2424-2441.	2.1	20

#	Article	IF	Citations
19	Robust Tracking Model Predictive Control With Quadratic Robustness Constraint for Mobile Robots With Incremental Input Constraints. IEEE Transactions on Industrial Electronics, 2021, 68, 9789-9799.	5.2	20
20	Disturbance Rejection MPC Framework for Input-Affine Nonlinear Systems. IEEE Transactions on Automatic Control, 2022, 67, 6595-6610.	3.6	19
21	Fast Self-Triggered MPC for Constrained Linear Systems With Additive Disturbances. IEEE Transactions on Automatic Control, 2021, 66, 3624-3637.	3.6	17
22	Adaptive MPC for constrained systems with parameter uncertainty and additive disturbance. IET Control Theory and Applications, 2019, 13, 2500-2506.	1.2	13
23	Distributed Model Predictive Control of Linear Systems with Stochastic Parametric Uncertainties and Coupled Probabilistic Constraints. SIAM Journal on Control and Optimization, 2015, 53, 3411-3431.	1.1	10
24	A Brief Survey on Recent Advances in Cloud Control Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3108-3114.	2.2	10
25	Convex MPC for exclusion constraints. Automatica, 2021, 127, 109502.	3.0	6
26	Fuzzy Broad Learning System Based on Accelerating Amount. IEEE Transactions on Fuzzy Systems, 2022, 30, 4017-4024.	6.5	5
27	Adaptive interpolating control for constrained systems with parametric uncertainty and disturbances. International Journal of Robust and Nonlinear Control, 2020, 30, 6838-6852.	2.1	4
28	Distributed Economic MPC for Dynamically Coupled Linear Systems With Uncertainties. IEEE Transactions on Cybernetics, 2022, 52, 5301-5310.	6.2	3
29	Safe polyhedral tubes for locally convexified MPC. Automatica, 2021, 132, 109791.	3.0	3
30	Distributed robust MPC for nonholonomic robots with obstacle and collision avoidance. Control Theory and Technology, 2022, 20, 32-45.	1.0	3
31	Coordination of repeaters based on Simulated Annealing Algorithm and Monte-Carlo Algorithm. Neurocomputing, 2012, 97, 9-15.	3.5	2
32	Robust MPC for Nonholonomic Robots with Moving Obstacle Avoidance. , 2020, , .		2
33	Convex model predictive control for collision avoidance. IET Control Theory and Applications, 2021, 15, 1270-1285.	1.2	2
34	Data-driven Filter Design for Linear Systems with Quantized Measurements. IFAC-PapersOnLine, 2015, 48, 697-702.	0.5	1
35	Distributed stochastic MPC of linear systems with parameter uncertainty and disturbances. , 2016, , .		1