

Yugeng Xi

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Eye-in-Hand Visual Servoing Control of Robot Manipulators Based on an Input Mapping Method. IEEE Transactions on Control Systems Technology, 2023, 31, 402-409.	3.2	6
2	Iterative Learning Control With Data-Driven-Based Compensation. IEEE Transactions on Cybernetics, 2022, 52, 7492-7503.	6.2	13
3	Distributed Integrated Control of a Mixed Traffic Network With Urban and Freeway Networks. IEEE Transactions on Control Systems Technology, 2022, 30, 57-70.	3.2	6
4	Characterizing bipartite consensus on signed matrix-weighted networks via balancing set. Automatica, 2022, 141, 110237.	3.0	5
5	Cluster consensus on matrix-weighted switching networks. Automatica, 2022, 141, 110308.	3.0	8
6	Finding complete minimum driver node set with guaranteed control capacity. Neurocomputing, 2022, 500, 949-964.	3.5	0
7	Consensus on Matrix-Weighted Switching Networks. IEEE Transactions on Automatic Control, 2021, 66, 5990-5996.	3.6	18
8	An Accelerated Gossip-Based Distributed Gradient Method. , 2021, , .		0
9	Event-Triggered Consensus on Matrix-weighted Networks. , 2021, , .		6
10	Synthesis of ILCâ€“MPC Controller With Data-Driven Approach for Constrained Batch Processes. IEEE Transactions on Industrial Electronics, 2020, 67, 3116-3125.	5.2	30
11	Distributed multiâ€“agent optimisation via coordination with secondâ€“order nearest neighbours. IET Control Theory and Applications, 2020, 14, 1733-1743.	1.2	2
12	On the Controllability of Matrix-Weighted Networks. , 2020, 4, 572-577.		13
13	Consensus of Second-order Matrix-weighted Multi-agent Networks. , 2020, , .		1
14	Distributed Subgradient Algorithm for Multi-agent Optimization with Uncoordinated Dynamic Stepsizes. , 2020, , .		0
15	Overall Traffic Mode Prediction by VOMM Approach and AR Mining Algorithm With Large-Scale Data. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1508-1516.	4.7	17
16	A Game-Based Adaptive Traffic Signal Control Policy Using the Vehicle to Infrastructure (V2I). IEEE Transactions on Vehicular Technology, 2019, 68, 9425-9437.	3.9	16
17	Leader-following Discrete-time Bipartite Consensus on Signed Networks. , 2019, , .		0
18	Velocity Coordination of Multi-vehicle Systems via Distributed Neighbor Selection. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Distributed Weighted Balanced Control of Traffic Signals for Urban Traffic Congestion. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3710-3720.	4.7	20
20	Periodic event-triggered control for distributed networked multiagents with asynchronous communication: A predictive control approach. International Journal of Robust and Nonlinear Control, 2019, 29, 43-66.	2.1	9
21	Bipartite Consensus on Matrix-Valued Weighted Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1441-1445.	2.2	33
22	Stochastic model predictive control for probabilistically constrained Markovian jump linear systems with additive disturbance. International Journal of Robust and Nonlinear Control, 2019, 29, 5002-5016.	2.1	17
23	The research of grid-connected inverter control based on decaying amplification aggregation strategy in predictive control. Cluster Computing, 2019, 22, 6633-6646.	3.5	1
24	Networked and distributed predictive control of nonlinear systems subject to asynchronous communication. IET Control Theory and Applications, 2018, 12, 504-514.	1.2	9
25	An Improved Predictive Controller on the FPGA by Hardware Matrix Inversion. IEEE Transactions on Industrial Electronics, 2018, 65, 7395-7405.	5.2	21
26	Output-feedback model predictive control for stochastic systems with multiplicative and additive uncertainty. International Journal of Robust and Nonlinear Control, 2018, 28, 86-102.	2.1	13
27	Model predictive control design for polytopic uncertain systems by synthesising multi-step prediction scenarios. International Journal of Systems Science, 2018, 49, 344-357.	3.7	4
28	Stochastic traffic modelling and decentralised signal control based on a state transition probability model. IET Intelligent Transport Systems, 2018, 12, 909-920.	1.7	3
29	Two-Level Hierarchical Model-Based Predictive Control for Large-Scale Urban Traffic Networks. IEEE Transactions on Control Systems Technology, 2017, 25, 496-508.	3.2	94
30	predictive control with probability constraints for linear stochastic systems. IET Control Theory and Applications, 2017, 11, 557-566.	1.2	2
31	A new waste characterization method for the anaerobic digestion based on ADM1. Chemical Engineering Communications, 2017, 204, 1428-1444.	1.5	3
32	The robust model predictive control based on mixed H_2/H_∞ approach with separated performance formulations and its ISpS analysis. International Journal of Control, 2017, 90, 2721-2733.	1.2	7
33	Model predictive control synthesis for constrained Markovian jump linear systems with bounded disturbance. IET Control Theory and Applications, 2017, 11, 3288-3296.	1.2	9
34	Extending signal temporal logic specifications for distributed model predictive control. , 2017, , .		1
35	Inferring Centrality from Network Snapshots. Scientific Reports, 2017, 7, 40642.	1.6	9
36	The optimization of location and control of pump stations in urban drainage system. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	Ensemble learning based urban traffic state prediction for coupling traffic network with large scale data. , 2016, , .		0
38	Short term urban traffic mode prediction based on VOMM. , 2016, , .		4
39	Algorithms for determining networks' feasible control schemes. , 2015, , .		1
40	The application research of forward DC-DC converter control based on decaying amplification aggregation strategy in predictive control. , 2015, , .		2
41	Multi-agent model-based predictive control for large-scale urban traffic networks using a serial scheme. IET Control Theory and Applications, 2015, 9, 475-484.	1.2	40
42	Multi-step probabilistic sets in model predictive control for stochastic systems with multiplicative uncertainty. IET Control Theory and Applications, 2014, 8, 1698-1706.	1.2	7
43	Model predictive control with swithing strategy for a train system. , 2014, , .		2
44	Mixed H_2/H_∞ robust model predictive control with saturated inputs. International Journal of Systems Science, 2014, 45, 2565-2575.	3.7	19
45	Convergence Analysis and Digital Implementation of a Discrete-Time Neural Network for Model Predictive Control. IEEE Transactions on Industrial Electronics, 2014, 61, 7035-7045.	5.2	33
46	On a spatiotemporally discrete urban traffic model. IET Intelligent Transport Systems, 2014, 8, 219-231.	1.7	5
47	A fast network partition method for large-scale urban traffic networks. Journal of Control Theory and Applications, 2013, 11, 359-366.	0.8	20
48	Constrained model predictive control synthesis for uncertain discrete-time Markovian jump linear systems. IET Control Theory and Applications, 2013, 7, 707-719.	1.2	46
49	Stabilization of linear discrete-time periodic systems with uncertain period. , 2013, , .		1
50	Model predictive control for constrained uncertain piecewise linear systems. Journal of Control Theory and Applications, 2013, 11, 230-236.	0.8	1
51	Probability-based constrained MPC for structured uncertain systems with state and random input delays. International Journal of Systems Science, 2013, 44, 1354-1365.	3.7	17
52	Research on goods picking-up problem in mixed warehouse based on multiple scheduling strategy. , 2013, , .		2
53	A fast algorithm for MPC based on aggregation strategy. , 2013, , .		2
54	Constrained MPC designs for structured uncertain systems with random input delays. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	Model predictive controller design and implementation on FPGA with application to motor servo system. Control Engineering Practice, 2012, 20, 1229-1235.	3.2	55
56	A dynamic network partition method for heterogenous urban traffic networks. , 2012, , .		20
57	FPGA based QDMC control for reverse-osmosis water desalination system. Desalination, 2012, 285, 83-90.	4.0	17
58	Efficient network-wide model-based predictive control for urban traffic networks. Transportation Research Part C: Emerging Technologies, 2012, 24, 122-140.	3.9	157
59	Fast Model Predictive Control for Urban Road Networks via MILP. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 846-856.	4.7	170
60	Constrained feedback RMPC for a category of LPV systems. , 2011, , .		0
61	Inputâ€mapping based dataâ€driven model predictive control for unknown linear systems via online learning. International Journal of Robust and Nonlinear Control, 0, , .	2.1	0