Jingyuan Zhan

List of Publications by Year
in descending order

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41 papers	780 citations	567281 15 h-index	610901 24 g-index
41 all docs	41 docs citations	41 times ranked	724 citing authors

#	Article	IF	Citations
1	Flocking of Multi-Agent Systems Via Model Predictive Control Based on Position-Only Measurements. IEEE Transactions on Industrial Informatics, 2013, 9, 377-385.	11.3	91
2	Consensus of sampled-data multi-agent networking systems via model predictive control. Automatica, 2013, 49, 2502-2507.	5.0	75
3	Asynchronous Consensus of Multiple Double-Integrator Agents With Arbitrary Sampling Intervals and Communication Delays. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2301-2311.	5.4	73
4	Heuristic Dynamic Programming Based Online Energy Management Strategy for Plug-In Hybrid Electric Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 4479-4493.	6.3	65
5	Hybrid-Trip-Model-Based Energy Management of a PHEV With Computation-Optimized Dynamic Programming. IEEE Transactions on Vehicular Technology, 2018, 67, 338-353.	6.3	62
6	Outdoor flocking of quadcopter drones with decentralized model predictive control. ISA Transactions, 2017, 71, 84-92.	5.7	54
7	Distributed Model Predictive Consensus With Self-Triggered Mechanism in General Linear Multiagent Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 3987-3997.	11.3	51
8	Cluster Consensus in Networks of Agents With Weighted Cooperativeâ€“Competitive Interactions. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 241-245.	3.0	47
9	An On-Line Energy Management Strategy Based on Trip Condition Prediction for Commuter Plug-In Hybrid Electric Vehicles. IEEE Transactions on Vehicular Technology, 2018, 67, 3767-3781.	6.3	38
10	Data-Driven Modeling and Distributed Predictive Control of Mixed Vehicle Platoons. IEEE Transactions on Intelligent Vehicles, 2023, 8, 572-582.	12.7	27
11	Adaptive event-triggered distributed model predictive control for multi-agent systems. Systems and Control Letters, 2019, 134, 104531.	2.3	25
12	Simultaneous observer-based fault detection and event-triggered consensus control for multi-agent systems. Journal of the Franklin Institute, 2021, 358, 3276-3301.	3.4	21
13	The law of evolutionary dynamics in community-structured population. Journal of Theoretical Biology, 2012, 306, 1-6.	1.7	17
14	Selfâ€triggered distributed model predictive control for flocking of multiâ€agent systems. IET Control Theory and Applications, 2018, 12, 2441-2448.	2.1	17
15	Consensus in Networked Multiagent Systems With Stochastic Sampling. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 982-986.	3.0	16
16	Event-triggered consensus control and fault estimation for time-delayed multi-agent systems with Markov switching topologies. Neurocomputing, 2021, 460, 292-308.	5.9	16
17	Flocking of Discrete-time Multi-Agent Systems with Predictive Mechanisms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5669-5674.	0.4	14
18	Self-triggered robust output feedback model predictive control of constrained linear systems. , 2017, , .		11

#	Article	IF	Citations
19	Robust Distributed Model Predictive Control Based Consensus of General Linear Multi-Agent Systems. , 2019, , .		7
20	Self-triggered consensus of multi-agent systems via model predictive control**This work was supported by the National Natural Science Foundation (No. 61273223), and the National Science Fund for Distinguished Young Scholars of China (No. 61425019).. IFAC-PapersOnLine, 2016, 49, 19-24.	0.9	6
21	Distributed Model Predictive Control for Train Regulation in Urban Metro Transportation. , 2018, , .		6
22	Observerâ€based consensus control for multiâ€agent systems with measurement noises and external disturbances. International Journal of Robust and Nonlinear Control, 2022, 32, 344-357.	3.7	6
23	An Online Energy-Saving Driving Strategy for Metro Train Operation Based on the Model Predictive Control of Switched-Mode Dynamical Systems. Energies, 2020, 13, 4933.	3.1	5
24	Energy-Saving Train Regulation for Metro Lines Using Distributed Model Predictive Control. Energies, 2020, 13, 5483.	3.1	4
25	A multi-agent flocking system with communication delays via distributed model predictive control. , 2017, , .		3
26	Multi-mode and distributed model predictive control for whole day train regulation. , 2018, , .		3
27	Leader-following consensus of heterogeneous linear multi-agent systems: New results based on linear transformation method. Transactions of the Institute of Measurement and Control, 2022, 44, 1473-1483.	1.7	3
28	Leader-following consensus of second-order multi-agent systems: new results based on linear transformation method. , 2020, , .		3
29	Asynchronous consensus of second-order multi-agent systems with aperiodic sampled-data. , 2015, , .		2
30	Cluster consensus in networks of agents with weighted cooperative-competitive interactions via nonlinear protocols. , 2015, , .		2
31	Gainâ€scheduled robust control for multiâ€agent linear parameterâ€varying systems with communication delays. International Journal of Robust and Nonlinear Control, 2022, 32, 792-806.	3.7	2
32	Distributed Model Predictive Control of Heterogeneous Vehicle Platoons with Guaranteed String Stability. , 2021, , .		2
33	A wave-oriented variable cell transmission model in an urban road. Modern Physics Letters B, 2021, 35, .	1.9	2
34	Consensus in networked multi-agent systems via model predictive control with horizon one. , 2013, , .		1
35	Cluster consensus of high-order multi-agent systems in weighted coopetitive networks. , 2016, , .		1
36	Leader-following Consensus of Switched Linear Multi-agent Systems Under Arbitrary Switching Signal. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	Consensus-based Formation Control of Heterogeneous Linear Multi-agent Systems. , 2021, , .		1
38	Towards realizing a multiple vehicle coordination system. , 2015, , .		0
39	Event-triggered consensus control for multi-agent systems with Markov switching topologies. , 2021, , .		0
40	Online Energy-efficient Control of Urban Rail Train Operation Based on Switching Time Optimization. , 2020, , .		0
41	Consensus of Second-order Heterogeneous Linear Multi-agent Systems. , 2021, , .		0