Yang Shi

List of Publications by Year
in descending order

339 papers	17,202 citations	10389 72 h-index	18130 120 g-index
345 all docs	345 docs citations	345 times ranked	8254 citing authors

#	Article	IF	Citations
1	Advances on modeling and control of semi-Markovian switching systems: A Survey. Journal of the Franklin Institute, 2023, 360, 12598-12619.	3.4	9
2	Accelerated Dual Averaging Methods for Decentralized Constrained Optimization. IEEE Transactions on Automatic Control, 2023, 68, 2125-2139.	5.7	1
3	Adaptive Event-Triggered Sliding-Mode Control for Consensus Tracking of Nonlinear Multiagent Systems With Unknown Perturbations. IEEE Transactions on Cybernetics, 2023, 53, 2672-2684.	9.5	63
4	Nonparameteric Event-Triggered Learning With Applications to Adaptive Model Predictive Control. IEEE Transactions on Automatic Control, 2023, 68, 3469-3484.	5.7	4
5	Anti-Transitional-Asynchrony Control for a Class of Hybrid Fuzzy Systems With Application to Bicopter. IEEE Transactions on Fuzzy Systems, 2023, 31, 682-691.	9.8	2
6	Robust Cooperative Optimal Sliding-Mode Control for High-Order Nonlinear Systems: Directed Topologies. IEEE Transactions on Cybernetics, 2022, 52, 5535-5547.	9.5	9
7	Novel Discrete-Time Recurrent Neural Networks Handling Discrete-Form Time-Variant Multi-Augmented Sylvester Matrix Problems and Manipulator Application. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 587-599.	11.3	42
8	On Containment for Linear Systems With Switching Topologies: A Novel State Transition Matrix Perspective. IEEE Transactions on Cybernetics, 2022, 52, 1061-1072.	9.5	4
9	Exponential Consensus of Linear Systems Over Switching Network: A Subspace Method to Establish Necessity and Sufficiency. IEEE Transactions on Cybernetics, 2022, 52, 1565-1574.	9.5	8
10	Event-Triggered Guaranteed Cost Leader-Following Consensus Control of Second-Order Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2615-2624.	9.3	45
11	Event-Triggered Formation Control for a Class of Uncertain Euler–Lagrange Systems: Theory and Experiment. IEEE Transactions on Control Systems Technology, 2022, 30, 336-343.	5.2	33
12	Inexact Primal-Dual Algorithm for DMPC With Coupled Constraints Using Contraction Theory. IEEE Transactions on Cybernetics, 2022, 52, 12525-12537.	9.5	3
13	Model Predictive Control as a Secure Service for Cyber–Physical Systems: A Cloud-Edge Framework. IEEE Internet of Things Journal, 2022, 9, 22194-22203.	8.7	12
14	Multiphase-Based Optimal Slip Ratio Tracking Control of Aircraft Antiskid Braking System via Second-Order Sliding-Mode Approach. IEEE/ASME Transactions on Mechatronics, 2022, 27, 823-833.	5.8	11
15	Event-Triggered Fixed-Time Attitude Consensus With Fixed and Switching Topologies. IEEE Transactions on Automatic Control, 2022, 67, 4138-4145.	5.7	22
16	Data-Driven Immersion and Invariance Adaptive Attitude Control for Rigid Bodies With Double-Level State Constraints. IEEE Transactions on Control Systems Technology, 2022, 30, 779-794.	5.2	28
17	Proportional-Integral Event-Triggered Control of Networked Systems With Unmatched Uncertainties. IEEE Transactions on Industrial Electronics, 2022, 69, 9320-9330.	7.9	9
18	Inverse kinematics of redundant manipulators with guaranteed performance. Robotica, 2022, 40, 170-190.	1.9	6

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19	Passive Multiuser Teleoperation of a Multirobot System With Connectivity-Preserving Containment. IEEE Transactions on Robotics, 2022, 38, 209-228.	10.3	9
20	Robust <i>k</i>-WTA Network Generation, Analysis, and Applications to Multiagent Coordination. IEEE Transactions on Cybernetics, 2022, 52, 8515-8527.	9.5	18
21	Stability Analysis of Switched Linear Systems Under Persistent Dwell-Time Constraints. IEEE Transactions on Automatic Control, 2022, 67, 6739-6744.	5.7	2
22	Self-Triggered Minâ€"Max DMPC for Asynchronous Multiagent Systems With Communication Delays. IEEE Transactions on Industrial Informatics, 2022, 18, 6809-6817.	11.3	12
23	Adaptive Neural Coordinated Control for Multiple Euler-Lagrange Systems With Periodic Event-Triggered Sampling. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-11.	11.3	8
24	Guest Editorial Introduction to the Focused Section on Adaptive Learning and Control for Advanced Mechatronics Systems. IEEE/ASME Transactions on Mechatronics, 2022, 27, 607-610.	5.8	2
25	Recurrent neural dynamics for handling linear equationÂsystem with rank-deficient coefficient and disturbance existence. Journal of the Franklin Institute, 2022, 359, 3090-3102.	3.4	5
26	Event-triggered robust MPC of nonlinear cyber-physical systems against DoS attacks. Science China Information Sciences, 2022, 65, 1.	4.3	12
27	Fixed-Time Stabilization for Nonlinear Systems With Low-Order and High-Order Nonlinearities via Event-Triggered Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3006-3015.	5.4	26
28	Noise-Tolerant Zeroing Neural Dynamics for Solving Hybrid Multilayered Time-Varying Linear Equation System. Security and Communication Networks, 2022, 2022, 1-13.	1.5	1
29	A novel learning-based asynchronous sliding mode control for discrete-time semi-Markov jump systems. Automatica, 2022, 143, 110428.	5.0	19
30	Self-triggered adaptive model predictive control of constrained nonlinear systems: A minâ€"max approach. Automatica, 2022, 142, 110424.	5.0	6
31	Event-triggered attitude synchronization of multiple rigid body systems with velocity-free measurements. Automatica, 2022, 143, 110460.	5.0	15
32	Distributed Model Predictive Control for Tracking Consensus of Linear Multiagent Systems With Additive Disturbances and Time-Varying Communication Delays. IEEE Transactions on Cybernetics, 2021, 51, 3813-3823.	9.5	25
33	Distributed Lyapunov-Based Model Predictive Formation Tracking Control for Autonomous Underwater Vehicles Subject to Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5198-5208.	9.3	86
34	Connectivity-Preserving Synchronization of Time-Delay Eulerâ€"Lagrange Networks With Bounded Actuation. IEEE Transactions on Cybernetics, 2021, 51, 3469-3482.	9.5	10
35	The Graphical Conditions for Controllability of Multiagent Systems Under Equitable Partition. IEEE Transactions on Cybernetics, 2021, 51, 4661-4672.	9.5	31
36	Integral-Type Event-Triggered Model Predictive Control of Nonlinear Systems With Additive Disturbance. IEEE Transactions on Cybernetics, 2021, 51, 5921-5929.	9.5	37

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37	Robust Stability of Networked Linear Control Systems With Asynchronous Continuous- and Discrete-Time Event-Triggering Schemes. IEEE Transactions on Automatic Control, 2021, 66, 932-939.	5.7	30
38	A Novel Attitude-Tracking Control for Spacecraft Networks With Input Delays. IEEE Transactions on Control Systems Technology, 2021, 29, 1035-1047.	5.2	23
39	Unified Model Solving Nine Types of Time-Varying Problems in the Frame of Zeroing Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1896-1905.	11.3	19
40	Resource-Aware Exact Decentralized Optimization Using Event-Triggered Broadcasting. IEEE Transactions on Automatic Control, 2021, 66, 2961-2974.	5.7	7
41	Adaptive Pose Control for Spacecraft Proximity Operations With Prescribed Performance Under Spatial Motion Constraints. IEEE Transactions on Control Systems Technology, 2021, 29, 1405-1419.	5.2	65
42	Robust distributed model predictive platooning control for heterogeneous autonomous surface vehicles. Control Engineering Practice, 2021, 107, 104655.	5.5	26
43	Meta-sequence-dependent H_∞ filtering for switched linear systems under persistent dwell-time constraint. Automatica, 2021, 123, 109348.	6.0	12
44	Design, analysis and verification of recurrent neural dynamics for handling time-variant augmented Sylvester linear system. Neurocomputing, 2021, 426, 274-284.	5.9	9
45	Community Energy Cooperation With the Presence of Cheating Behaviors. IEEE Transactions on Smart Grid, 2021, 12, 561-573.	9.0	52
46	Estimation for Fuzzy Semi-Markov Jump Systems With Indirectly Accessible Mode Information and Nonideal Data Transmission. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4016-4027.	9.3	24
47	Prescribed-Time Stabilization of a Class of Nonlinear Systems by Linear Time-Varying Feedback. IEEE Transactions on Automatic Control, 2021, 66, 6123-6130.	5.7	61
48	Velocity-Free Event-Triggered Control for Multiple Euler–Lagrange Systems With Communication Time Delays. IEEE Transactions on Automatic Control, 2021, 66, 5599-5605.	5.7	58
49	Trajectory Tracking Control of Autonomous Ground Vehicles Using Adaptive Learning MPC. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5554-5564.	11.3	37
50	Efficient Nonlinear Model Predictive Control for Quadrotor Trajectory Tracking: Algorithms and Experiment. IEEE Transactions on Cybernetics, 2021, 51, 5057-5068.	9.5	46
51	LSBert: Lexical Simplification Based on BERT. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3064-3076.	5.8	13
52	Physical Safety and Cyber Security Analysis of Multi-Agent Systems: A Survey of Recent Advances. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 319-333.	13.1	141
53	A 70-Year Industrial Electronics Society Evolution Through Industrial Revolutions: The Rise and Flourishing of Information and Communication Technologies. IEEE Industrial Electronics Magazine, 2021, 15, 115-126.	2.6	17
54	Robust Nonlinear Model Predictive Control Based Visual Servoing of Quadrotor UAVs. IEEE/ASME Transactions on Mechatronics, 2021, 26, 700-708.	5.8	48

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55	A Unified Architectural Approach for Cyberattack-Resilient Industrial Control Systems. Proceedings of the IEEE, 2021, 109, 517-541.	21.3	58
56	MKE Scheme for the Control of Dynamic Constrained Redundant Robots Based on Discrete-time Neural Network. , 2021, , .		0
57	Iterative Learning-Based Decentralized Model Predictive Charging Control for Plug-In Electric Vehicles. , 2021, , .		0
58	The Design and Physical Implementation of Tennis Training Robots. , 2021, , .		1
59	Stochastic model predictive control framework for resilient cyber-physical systems: review and perspectives. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200371.	3.4	17
60	Hybrid Estimation Strategy-Based Anti-disturbance Control for Nonlinear Systems. IEEE Transactions on Automatic Control, 2021, 66, 4910-4917.	5.7	18
61	A Survey on Edge and Edge-Cloud Computing Assisted Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 7806-7819.	11.3	118
62	Stabilizing terminal constraint-free nonlinear MPC via sliding mode-based terminal cost. Automatica, 2021, 134, 109898.	5.0	9
63	A survey on attack detection, estimation and control of industrial cyberâ€"physical systems. ISA Transactions, 2021, 116, 1-16.	5.7	132
64	Validation and Analyses of General DTRNN with Different Values of Selection Parameter for Solving Discrete-Form Time-Variant Complex Division. , 2021, , .		0
65	Solving discrete time-varying complex division using recurrent neural network with disturbance suppression. , 2021, , .		0
66	Advanced model predictive control framework for autonomous intelligent mechatronic systems: A tutorial overview and perspectives. Annual Reviews in Control, 2021, 52, 170-196.	7.9	50
67	Advanced Discrete Generalized-Neurodynamic Model Applied to Solve Discrete Time-Variant Augmented Sylvester Equation with Perturbation Suppression. , 2021, , .		0
68	New Discrete-Time Models of Zeroing Neural Network Solving Systems of Time-Variant Linear and Nonlinear Inequalities. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 565-576.	9.3	45
69	Distributed Consensus of Linear Multiagent Systems: Laplacian Spectra-Based Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 700-706.	9.3	21
70	Fault-Tolerant Prescribed Performance Attitude Tracking Control for Spacecraft Under Input Saturation. IEEE Transactions on Control Systems Technology, 2020, 28, 574-582.	5.2	180
71	Distributed Event-Triggered Gradient Method for Constrained Convex Minimization. IEEE Transactions on Automatic Control, 2020, 65, 778-785.	5.7	46
72	Robust Four-Channel Teleoperation Through Hybrid Damping-Stiffness Adjustment. IEEE Transactions on Control Systems Technology, 2020, 28, 920-935.	5.2	9

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73	Input-to-State Stable Bilateral Teleoperation by Dynamic Interconnection and Damping Injection: Theory and Experiments. IEEE Transactions on Industrial Electronics, 2020, 67, 790-799.	7.9	10
74	Observed-Mode-Dependent State Estimation of Hidden Semi-Markov Jump Linear Systems. IEEE Transactions on Automatic Control, 2020, 65, 442-449.	5.7	89
75	Control Synthesis of Hidden Semi-Markov Uncertain Fuzzy Systems via Observations of Hidden Modes. IEEE Transactions on Cybernetics, 2020, 50, 3709-3718.	9.5	50
76	Distributed Connectivity-Preserving Coordination of Multi-agent Systems with Bounded Velocities. Advances in Intelligent Systems and Computing, 2020, , 695-699.	0.6	0
77	Codesign of Event Trigger and Feedback Policy in Robust Model Predictive Control. IEEE Transactions on Automatic Control, 2020, 65, 302-309.	5.7	39
78	Resilient Consensus of Discrete-Time Complex Cyber-Physical Networks Under Deception Attacks. IEEE Transactions on Industrial Informatics, 2020, 16, 4868-4877.	11.3	85
79	State estimation and self-triggered control of CPSs against joint sensor and actuator attacks. Automatica, 2020, 113, 108687.	5.0	89
80	Synchronization in Kuramoto Oscillator Networks With Sampled-Data Updating Law. IEEE Transactions on Cybernetics, 2020, 50, 2380-2388.	9.5	42
81	A Decentralized Periodic Energy Trading Framework for Pelagic Islanded Microgrids. IEEE Transactions on Industrial Electronics, 2020, 67, 7595-7605.	7.9	21
82	Fully Distributed Synchronization of Dynamic Networked Systems With Adaptive Nonlinear Couplings. IEEE Transactions on Cybernetics, 2020, 50, 2926-2934.	9.5	41
83	Resilient Model Predictive Control of Cyber–Physical Systems Under DoS Attacks. IEEE Transactions on Industrial Informatics, 2020, 16, 4920-4927.	11.3	128
84	Cooperative optimal control for Lipschitz nonlinear systems over generally directed topologies. Automatica, 2020, 122, 109279.	5.0	18
85	Event-triggered attitude consensus with absolute and relative attitude measurements. Automatica, 2020, 122, 109245.	5.0	33
86	Flexible performance-based robust control for a class of nonlinear systems with input saturation. Automatica, 2020, 122, 109268.	5.0	63
87	Proposing, developing and verification of a novel discrete-time zeroing neural network for solving future augmented Sylvester matrix equation. Journal of the Franklin Institute, 2020, 357, 3636-3655.	3.4	24
88	Route Planning and Power Management for PHEVs With Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 4751-4762.	6.3	30
89	Distributed Event-Triggered Model Predictive Control of Coupled Nonlinear Systems. SIAM Journal on Control and Optimization, 2020, 58, 714-734.	2.1	25
90	Distributed implementation of nonlinear model predictive control for AUV trajectory tracking. Automatica, 2020, 115, 108863.	5.0	93

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91	Saturated stabilization for an uncertain cascaded system subject to an oscillator. Automatica, 2020, 115, 108878.	5.0	1
92	An Efficient Peer-to-Peer Energy-Sharing Framework for Numerous Community Prosumers. IEEE Transactions on Industrial Informatics, 2020, 16, 7402-7412.	11.3	60
93	Efficient Mode Transition Control for Parallel Hybrid Electric Vehicle With Adaptive Dual-Loop Control Framework. IEEE Transactions on Vehicular Technology, 2020, 69, 1519-1532.	6.3	56
94	Distributed Sliding-Mode Tracking Control of Second-Order Nonlinear Multiagent Systems: An Event-Triggered Approach. IEEE Transactions on Cybernetics, 2020, 50, 3892-3902.	9.5	170
95	A unitary distributed subgradient method for multi-agent optimization with different coupling sources. Automatica, 2020, 114, 108834.	5.0	13
96	Adaptive model predictive control for a class of constrained linear systems with parametric uncertainties. Automatica, 2020, 117, 108974.	5.0	66
97	A New and Fair Peer-to-Peer Energy Sharing Framework for Energy Buildings. IEEE Transactions on Smart Grid, 2020, 11, 3817-3826.	9.0	106
98	Stabilization of non-homogeneous hidden semi-Markov Jump systems with limited sojourn-time information. Automatica, 2020, 117, 108963.	5.0	46
99	Guest Editorial Special Issue on CCECE 2019. Canadian Journal of Electrical and Computer Engineering, 2020, 43, 121-121.	2.0	0
100	Distributed min–max MPC for dynamically coupled nonlinear systems: A self-triggered approach. IFAC-PapersOnLine, 2020, 53, 6037-6042.	0.9	2
101	Towards an O(1/t) convergence rate for distributed dual averaging. IFAC-PapersOnLine, 2020, 53, 3254-3259.	0.9	2
102	Recurrent Neural Network for Kinematic Control of Redundant Robot Manipulators. , 2020, , .		1
103	Discrete-time recurrent neural network for solving discrete-form time-variant complex division. , 2020, , .		1
104	Leader-Following Practical Cluster Synchronization for Networks of Generic Linear Systems: An Event-Based Approach. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 215-224.	11.3	45
105	Optimal Synchronization Control of Multiagent Systems With Input Saturation via Off-Policy Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 85-96.	11.3	103
106	Event-Based Rendezvous Control for a Group of Robots With Asynchronous Periodic Detection and Communication Time Delays. IEEE Transactions on Cybernetics, 2019, 49, 2642-2651.	9.5	29
107	Anti-disturbance Coordinated Path-following Control of Robotic Autonomous Surface Vehicles: Theory and Experiment. IEEE/ASME Transactions on Mechatronics, 2019, , 1-1.	5.8	32
108	Self-Triggered Robust MPC with ISM for Constrained Nonlinear Input-Affine Systems. , 2019, , .		0

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109	A New Type of Neural Network for Assisting Diagnosis of Flatfoot in Juveniles. , 2019, , .		1
110	Performance Analyses of Four-Instant Discretization Formulas With Application to Generalized-Sylvester-Type Future Matrix Equation. IEEE Access, 2019, 7, 152258-152266.	4.2	11
111	Stability Analysis of Networked Multi Station Cooperative Motion System. , 2019, , .		0
112	Computationally Efficient Adaptive Model Predictive Control for Constrained Linear Systems with Parametric Uncertainties. , 2019, , .		3
113	Path-Following Control of Power Kites: An Economic Model Predictive Control Perspective. , 2019, , .		0
114	Dynamic event-triggered control for networked Euler-Lagrange systems. , 2019, , .		3
115	Distributed dual subgradient method with double averaging: Application to QoS optimization in wireless networks. , 2019, , .		1
116	LSTM-based Short-term Load Forecasting for Building Electricity Consumption. , 2019, , .		28
117	Solving future equation systems using integral-type error function and using twice ZNN formula with disturbances suppressed. Journal of the Franklin Institute, 2019, 356, 2130-2152.	3.4	27
118	Event-triggered Broadcasting for Distributed Smooth Optimization. , 2019, , .		0
119	Connectivity-Preserving Swarm Teleoperation With A Tree Network. , 2019, , .		3
120	Discrete-Time Zeroing Dynamics Model for Solving Generalized Sylvester Future Matrix System. , 2019, , .		1
121	Stabilization of hidden semi-Markov jump systems: Emission probability approach. Automatica, 2019, 101, 87-95.	5.0	88
122	Simultaneous stabilization of discrete-time delay systems and bounds on delay margin. Automatica, 2019, 101, 296-308.	5.0	7
123	Passive shared virtual environment for haptic cooperation. Autonomous Robots, 2019, 43, 1489-1504.	4.8	1
124	Analysis and synthesis for a class of stochastic switching systems against delayed mode switching: A framework of integrating mode weights. Automatica, 2019, 99, 99-111.	5.0	31
125	Decentralized Charging Control of Electric Vehicles in Residential Distribution Networks. IEEE Transactions on Control Systems Technology, 2019, 27, 266-281.	5.2	102
126	Path-Following Control of an AUV: A Multiobjective Model Predictive Control Approach. IEEE Transactions on Control Systems Technology, 2019, 27, 1334-1342.	5.2	105

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127	Event-Triggered Consensus Control for Multiagent Systems With Time-Varying Communication and Event-Detecting Delays. IEEE Transactions on Control Systems Technology, 2019, 27, 507-515.	5.2	47
128	Dynamic Coverage Control in a Time-Varying Environment Using Bayesian Prediction. IEEE Transactions on Cybernetics, 2019, 49, 354-362.	9.5	19
129	New Results on Sliding-Mode Control for Takagiâ€"Sugeno Fuzzy Multiagent Systems. IEEE Transactions on Cybernetics, 2019, 49, 1592-1604.	9.5	80
130	Proposing and Validation of a New Four-Point Finite-Difference Formula With Manipulator Application. IEEE Transactions on Industrial Informatics, 2018, 14, 1323-1333.	11.3	37
131	Tracking Control of Networked Multiple Linear Switched Reluctance Machines Control System Based on Position Compensation Approach. IEEE Transactions on Industrial Informatics, 2018, 14, 5368-5377.	11.3	15
132	Triggering and Control Codesign in Self-Triggered Model Predictive Control of Constrained Systems: With Guaranteed Performance. IEEE Transactions on Automatic Control, 2018, 63, 4008-4015.	5.7	92
133	Distributed LQR Consensus Control for Heterogeneous Multiagent Systems: Theory and Experiments. IEEE/ASME Transactions on Mechatronics, 2018, 23, 434-443.	5.8	56
134	A New Delay-Compensation Scheme for Networked Control Systems in Controller Area Networks. IEEE Transactions on Industrial Electronics, 2018, 65, 7239-7247.	7.9	113
135	Trajectory Tracking Control of an Autonomous Underwater Vehicle Using Lyapunov-Based Model Predictive Control. IEEE Transactions on Industrial Electronics, 2018, 65, 5796-5805.	7.9	319
136	Robust Cooperative Positioning Control of Composite Nested Linear Switched Reluctance Machines With Network-Induced Time Delays. IEEE Transactions on Industrial Electronics, 2018, 65, 7447-7457.	7.9	20
137	Receding horizon consensus of general linear multi-agent systems with input constraints: An inverse optimality approach. Automatica, 2018, 91, 10-16.	5.0	48
138	Modified Order-Reduction Method for Distributed Control of Multi-Spacecraft Networks With Time-Varying Delays. IEEE Transactions on Control of Network Systems, 2018, 5, 79-92.	3.7	38
139	Event triggered model predictive control: A less conservative result. Journal of the Franklin Institute, 2018, 355, 9053-9071.	3.4	8
140	Well Conditioned Pseudospectral Schemes with Tunable Basis for Fractional Delay Differential Equations. Journal of Scientific Computing, 2018, 74, 920-936.	2.3	7
141	Robustness Analysis of Asynchronous Sampled-Data Multiagent Networks With Time-Varying Delays. IEEE Transactions on Automatic Control, 2018, 63, 2145-2152.	5.7	89
142	Scaled Group Consensus in Multiagent Systems With First/Second-Order Continuous Dynamics. IEEE Transactions on Cybernetics, 2018, 48, 2259-2271.	9.5	67
143	Auxiliary Fault Tolerant Control With Actuator Amplitude Saturation and Limited Rate. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1816-1825.	9.3	72
144	ZD Controller for Output Tracking, Setting, Zeroing and Maintaining of Time-Varying Linear System. , 2018, , .		1

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145	Stochastic self-triggered MPC for linear constrained systems under additive uncertainty and chance constraints. Information Sciences, 2018, 459, 198-210.	6.9	13
146	Positioning-Tracking Controller Design of A Linear Motion Control System Based on Vectorization Technique. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1512-1520.	5.8	10
147	Analysis of Consensus-Based Economic Dispatch Algorithm Under Time Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, , 1-11.	9.3	22
148	Advanced Control in Marine Mechatronic Systems: A Survey. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1121-1131.	5.8	202
149	A new framework for solving fractional optimal control problems using fractional pseudospectral methods. Automatica, 2017, 78, 333-340.	5.0	35
150	Consensus Control for a Multi-Agent System With Integral-Type Event-Triggering Condition and Asynchronous Periodic Detection. IEEE Transactions on Industrial Electronics, 2017, 64, 5629-5639.	7.9	71
151	Distributed Coordination Control and Industrial Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 4967-4971.	7.9	19
152	Integral Sliding Mode Flight Controller Design for a Quadrotor and the Application in a Heterogeneous Multi-Agent System. IEEE Transactions on Industrial Electronics, 2017, 64, 9389-9398.	7.9	167
153	Fractional Pseudospectral Schemes with Equivalence for Fractional Differential Equations. SIAM Journal of Scientific Computing, 2017, 39, A966-A982.	2.8	7
154	Robust distributed model predictive control of constrained dynamically decoupled nonlinear systems: A contraction theory perspective. Systems and Control Letters, 2017, 105, 84-91.	2.3	17
155	Industrial Cyberphysical Systems: A Backbone of the Fourth Industrial Revolution. IEEE Industrial Electronics Magazine, 2017, 11, 6-16.	2.6	275
156	A receding horizon stabilization approach to constrained nonholonomic systems in power form. Systems and Control Letters, 2017, 99, 47-56.	2.3	14
157	Modified C/GMRES Algorithm for Fast Nonlinear Model Predictive Tracking Control of AUVs. IEEE Transactions on Control Systems Technology, 2017, 25, 1896-1904.	5.2	97
158	Design and Implementation of Nonuniform Sampling Cooperative Control on A Group of Two-Wheeled Mobile Robots. IEEE Transactions on Industrial Electronics, 2017, 64, 5035-5044.	7.9	75
159	Recent Advances in Consensus of Multi-Agent Systems: A Brief Survey. IEEE Transactions on Industrial Electronics, 2017, 64, 4972-4983.	7.9	582
160	$\mathcal{H}_2$ transactive control of electric power regulation from fast-acting demand response in the presence of high renewables. Applied Energy, 2017, 205, 304-315.		15
161	Integral sliding mode control for a quadrotor in the presence of model uncertainties and external disturbances. , 2017, , .		5
162	RHC of Networked Nonlinear Systems withÂTwo-Channel Packet Dropouts. Studies in Systems, Decision and Control, 2017, , 19-40.	1.0	0

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163	Min-Max RHC of Nonlinear NCSs with Delays and Packet Dropouts. Studies in Systems, Decision and Control, 2017, , 41-64.	1.0	0
164	Event-Triggered Robust RHC ofÂContinuous-Time Nonlinear Systems. Studies in Systems, Decision and Control, 2017, , 163-181.	1.0	0
165	Collaborative Tracking Control of Dual Linear Switched Reluctance Machines Over Communication Network With Time Delays. IEEE Transactions on Cybernetics, 2017, 47, 4432-4442.	9.5	40
166	Robust Receding Horizon Control for Networked and Distributed Nonlinear Systems. Studies in Systems, Decision and Control, 2017, , .	1.0	33
167	Robust Distributed RHC of Constrained Nonlinear Systems. Studies in Systems, Decision and Control, 2017, , 89-120.	1.0	0
168	Continuous-time model predictive control of under-actuated spacecraft with bounded control torques. Automatica, 2017, 75, 144-153.	5.0	121
169	Consensus for Linear Multiagent Systems With Time-Varying Delays: A Frequency Domain Perspective. IEEE Transactions on Cybernetics, 2017, 47, 2143-2150.	9.5	64
170	Integrated Path Planning and Tracking Control of an AUV: A Unified Receding Horizon Optimization Approach. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1163-1173.	5.8	164
171	On Group Synchronization for Interacting Clusters of Heterogeneous Systems. IEEE Transactions on Cybernetics, 2017, 47, 4122-4133.	9.5	115
172	Guest Editorial Focused Section on Advanced Control and Navigation for Marine Mechatronic Systems. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1117-1120.	5.8	1
173	Self-triggered distributed model predictive control of nonholonomic systems. , 2017, , .		4
174	Lyapunov-based model predictive control for dynamic positioning of autonomous underwater vehicles. , 2017, , .		12
175	Nonlinear model predictive tracking control of nonholonomic wheeled mobile robot using modified C/GMRES algorithm. , 2017, , .		7
176	On delay margin bounds of discrete-time systems. , 2017, , .		0
177	Adaptive self-triggered model predictive control of discrete-time linear systems. , 2017, , .		5
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