Yijing Wang

List of Publications by Year
in descending order

		218381	233125
138 papers	2,259 citations	26 h-index	45 g-index
138 all docs	138 docs citations	138 times ranked	1712 citing authors

#	Article	IF	Citations
1	Disturbance Observer-Based Integral Sliding-Mode Control for Systems With Mismatched Disturbances. IEEE Transactions on Industrial Electronics, 2016, 63, 7040-7048.	5.2	273
2	Fault tolerant control for singular systems with actuator saturation and nonlinear perturbation. Automatica, 2010, 46, 569-576.	3.0	251
3	Adaptive Fault Tolerant Tracking Control for Linear and Lipschitz Nonlinear Multi-Agent Systems. IEEE Transactions on Industrial Electronics, 2014, , 1-1.	5.2	138
4	A New Method for Stability Analysis of Recurrent Neural Networks With Interval Time-Varying Delay. IEEE Transactions on Neural Networks, 2010, 21, 339-344.	4.8	107
5	Reachable set bounding for delayed systems with polytopic uncertainties: The maximal Lyapunov–Krasovskii functional approach. Automatica, 2010, 46, 949-952.	3.0	102
6	MPC-Based Cooperative Control Strategy of Path Planning and Trajectory Tracking for Intelligent Vehicles. IEEE Transactions on Intelligent Vehicles, 2021, 6, 513-522.	9.4	68
7	Dynamic event-triggered and self-triggered output feedback control of networked switched linear systems. Neurocomputing, 2018, 314, 39-47.	3.5	61
8	Trajectory Planning and Safety Assessment of Autonomous Vehicles Based on Motion Prediction and Model Predictive Control. IEEE Transactions on Vehicular Technology, 2019, 68, 8546-8556.	3.9	56
9	On finite-time stability for nonlinear impulsive switched systems. Nonlinear Analysis: Real World Applications, 2013, 14, 807-814.	0.9	54
10	A Novel Design Method for Resolver-to-Digital Conversion. IEEE Transactions on Industrial Electronics, 2014, , 1-1.	5.2	53
11	Controller synthesis for Markovian jump systems with incomplete knowledge of transition probabilities and actuator saturation. Journal of the Franklin Institute, 2011, 348, 2417-2429.	1.9	48
12	A non-ellipsoidal reachable set estimation for uncertain neural networks with time-varying delay. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 1097-1106.	1.7	43
13	A note on reachable set bounding for delayed systems with polytopic uncertainties. Journal of the Franklin Institute, 2013, 350, 1827-1835.	1.9	41
14	Self-Triggered and Event-Triggered Control for Linear Systems With Quantization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3136-3144.	5.9	41
15	On exponential stability analysis for neural networks with time-varying delays and general activation functions. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1447-1459.	1.7	40
16	Event-triggered control for switched systems in the presence of actuator saturation. International Journal of Systems Science, 2018, 49, 1478-1490.	3.7	40
17	Dynamic Output Feedback Control for Systems Subject to Actuator Saturation via Event–Triggered Scheme. Asian Journal of Control, 2018, 20, 207-215.	1.9	39
18	Average dwell time approach to finite-time stabilization of switched singular linear systems. Journal of the Franklin Institute, 2015, 352, 2920-2933.	1.9	37

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19	Fixed-Time Active Disturbance Rejection Control and Its Application to Wheeled Mobile Robots. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7120-7130.	5.9	37
20	Double-Integrator Dynamics for Multiagent Systems With Antagonistic Reciprocity. IEEE Transactions on Cybernetics, 2020, 50, 4110-4120.	6.2	35
21	Dynamic event-triggered and self-triggered control for saturated systems with anti-windup compensation. Journal of the Franklin Institute, 2017, 354, 7624-7642.	1.9	33
22	Robust H_∞ control of discrete-time Markovian jump systems in the presence of incomplete knowledge of transition probabilities and saturating actuator. International Journal of Robust and Nonlinear Control, 2012, 22, 1753-1764.	2.1	32
23	Event-Triggered Control for Networked Switched Systems With Quantization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6120-6128.	5.9	31
24	Finite-Time Stability Analysis of Impulsive Switched Discrete-Time Linear Systems: The Average Dwell Time Approach. Circuits, Systems, and Signal Processing, 2012, 31, 1877-1886.	1.2	27
25	On Finite-Time Stochastic Stability and Stabilization of Markovian Jump Systems Subject to Partial Information on Transition Probabilities. Circuits, Systems, and Signal Processing, 2012, 31, 1973-1983.	1.2	26
26	Bipartite consensus for a network of wave equations with time-varying disturbances. Systems and Control Letters, 2020, 136, 104604.	1.3	26
27	Resilient Consensus of Multiagent Systems Against Denial-of-Service Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2664-2675.	5.9	26
28	Layered event-triggered control for group consensus with both competition and cooperation interconnections. Neurocomputing, 2018, 275, 1964-1972.	3.5	25
29	Stochastic Stabilization of Markovian Jump Systems with Partial Unknown Transition Probabilities and Actuator Saturation. Circuits, Systems, and Signal Processing, 2012, 31, 371-383.	1.2	23
30	Fixed-Time Formation Control for Wheeled Mobile Robots With Prescribed Performance. IEEE Transactions on Control Systems Technology, 2022, 30, 844-851.	3.2	23
31	Bipartite consensus for a network of wave PDEs over a signed directed graph. Automatica, 2021, 129, 109640.	3.0	20
32	L_2-gain fault tolerant control of singular Lipschitz systems in the presence of actuator saturation. International Journal of Robust and Nonlinear Control, 2015, 25, 1751-1766.	2.1	18
33	Finite-time stabilization of switched nonlinear systems with partial unstable modes. Applied Mathematics and Computation, 2016, 291, 172-181.	1.4	18
34	Stabilization of linear systems with direct feedthrough term in the presence of output saturation. Automatica, 2017, 77, 254-258.	3.0	17
35	Bipartite consensus for multi-agent systems with noises over Markovian switching topologies. Neurocomputing, 2021, 419, 295-305.	3.5	16
36	Quantizer-Based Triggered Control for Chaotic Synchronization With Information Constraints. IEEE Transactions on Cybernetics, 2018, 48, 2500-2508.	6.2	14

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37	Containment control for distributed networks subject to multiplicative and additive noises with stochastic approximation–type protocols. International Journal of Robust and Nonlinear Control, 2020, 30, 665-684.	2.1	14
38	Composite Nonlinear Path-Following Control for Unmanned Ground Vehicles With Anti-Windup ESO. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5865-5876.	5.9	14
39	On enlarging the domain of attraction for linear systems subject to actuator saturation. International Journal of General Systems, 2008, 37, 239-248.	1.2	13
40	A new method of reachable set estimation for time delay systems with polytopic uncertainties. Applied Mathematics and Computation, 2013, 221, 639-647.	1.4	13
41	An Improved Set Invariance Analysis and Gain-Scheduled Control of LPV Systems Subject to Actuator Saturation. Circuits, Systems, and Signal Processing, 2007, 26, 635-649.	1.2	12
42	Event–triggered state–dependent switching rule design for switched linear systems. International Journal of Robust and Nonlinear Control, 2018, 28, 6239-6253.	2.1	12
43	Active Event-Triggered Control for Nonlinear Networked Control Systems With Communication Constraints. IEEE Transactions on Cybernetics, 2021, 51, 2409-2418.	6.2	12
44	Finite–time boundedness of switched delay systems: the reciprocally convex approach. IET Control Theory and Applications, 2014, 8, 1575-1580.	1.2	11
45	Output-based dynamic event-triggering control for sensor saturated systems with external disturbance. Applied Mathematics and Computation, 2020, 374, 125043.	1.4	11
46	Synchronization of Lurie Systems Under Limited Network Transmission Capacity With Quantization and One-Step Packet Dropout: An Active Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4920-4928.	5.9	9
47	Finite-time stochastic stabilization for uncertain Markov jump systems subject to input constraint. Transactions of the Institute of Measurement and Control, 2014, 36, 283-288.	1.1	8
48	Mean Square Bipartite Consensus for Multiagent Systems With Antagonistic Information and Time-Varying Topologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1744-1754.	5.9	8
49	Stability Analysis and Controller Design for Linear Time Delay Systems with Actuator Saturation. Proceedings of the American Control Conference, 2007, , .	0.0	7
50	Event-triggered composite nonlinear control for saturated systems with measurement feedback. Transactions of the Institute of Measurement and Control, 2019, 41, 3943-3951.	1.1	7
51	Coordination for second-order multi-agent systems with velocity and communication constraints. Neurocomputing, 2020, 375, 51-61.	3.5	7
52	Composite nonlinear feedback with dynamic event–triggered mechanism for control systems in the presence of saturation nonlinearity. Asian Journal of Control, 2021, 23, 1503-1511.	1.9	7
53	Model predictive longitudinal control for autonomous electric vehicles with tracking differentiator. International Journal of Systems Science, 2021, 52, 2564-2579.	3.7	7
54	Active Synchronization for Double-Integrator Network Systems Without Velocity Information. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2589-2600.	3.5	7

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55	New Absolute Stability Condition for Time-Delay Systems with Sector-Bounded Nonlinearity. Proceedings of the American Control Conference, 2007, , .	0.0	6
56	Anti-windup compensator synthesis for saturated systems via event-triggered scheme. , 2016, , .		6
57	Synchronization of Lurie systems with quantized and triggered control under limited transmission capacity. , 2017, , .		6
58	Stochastic bipartite consensus with measurement noises and antagonistic information. Journal of the Franklin Institute, 2021, 358, 7761-7785.	1.9	6
59	Event-triggered bipartite consensus for multi-agent systems subject to multiplicative and additive noises. Applied Mathematics and Computation, 2022, 429, 127235.	1.4	6
60	Finite-time stability analysis of impulsive discrete-time switched systems with nonlinear perturbation. International Journal of Control, 0, , 1-7.	1.2	5
61	Multiple Performance Analysis for Nonlinear Networked Control Systems with Limited Channels. , 2018, , .		5
62	Autonomous Vehicles Path Planning With Enhanced Ant Colony optimization. , 2019, , .		5
63	Adaptive control for discontinuous variable-order fractional systems with disturbances. Nonlinear Dynamics, 2021, 103, 1693-1708.	2.7	5
64	Fast Nonlinear Model Predictive Control Parallel Design Using QPSO and Its Applications on Trajectory Tracking of Autonomous Vehicles. , 2018, , .		4
65	Reachable set estimation and synthesis of discrete‐time switched systems. International Journal of Robust and Nonlinear Control, 2020, 30, 8060-8073.	2.1	4
66	Periodic zero‐dynamics attacks for discrete‐time second‐order multi‐agent systems. International Journal of Robust and Nonlinear Control, 2022, 32, 5619-5636.	2.1	4
67	Formation Control of Wheeled Mobile Robots With Multiple Virtual Leaders Under Communication Failures. IEEE Transactions on Control Systems Technology, 2023, 31, 295-305.	3.2	4
68	Robust Stability and Stabilization of Discrete Time-Delay System with Time-Varying Delay and Non-Linear Perturbations. , 2008, , .		3
69	Delay-dependent Robust H_∞ Control for a Class of Switched Systems with Time Delay. , 2008, , .		3
70	Distributed consensus of linear multi-agent systems with fault tolerant control protocols. , 2014, , .		3
71	Containment control of multi-agent systems with measured noise based on the Kalman-Bucy filtering theory. , 2017, , .		3
72	Event-triggered control for switched systems with both continuous-time and discrete-time subsystems. International Journal of Systems Science, 2020, 51, 180-190.	3.7	3

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73	Synthesis and <i>L</i>₂–gain analysis for switched systems under event‑triggered switching. Asian Journal of Control, 2022, 24, 1247-1260.	1.9	3
74	A lateral control strategy for unmanned ground vehicles with model predictive control and active disturbance rejection control. Transactions of the Institute of Measurement and Control, 2021, 43, 3473-3482.	1.1	3
75	Distributed control for state‑of‑charge balance and load voltage regulation in DC microgrids with clustered generations. Asian Journal of Control, 0, , .	1.9	3
76	Active Control Strategy for Disturbed Switched Systems Under Asynchronous DoS Attacks. , 2022, 6, 2701-2706.		3
77	On Quadratic Stabilizability of Linear Switched Systems with Polytopic Uncertainties. , 0, , .		2
78	Robust Stability Criteria of Uncertain Fuzzy Systems with Time-varying Delays. , 0, , .		2
79	Optimal Guaranteed Cost Control of Uncertain Discrete Systems with Both State and Input Delays: New LMI-Based Characterization and Methods. , 0, , .		2
80	Delay-dependent Robust Stabilizability Criterion for Switched Time-delay Systems with Polytopic Uncertainties. , 2008, , .		2
81	Non-fragile control of uncertain Markovian jumping linear systems subject to actuator saturation. , 2009, , .		2
82	Further Results on Robust Variance-Constrained Filtering for Uncertain Stochastic Systems with Missing Measurements. Circuits, Systems, and Signal Processing, 2010, 29, 901-912.	1.2	2
83	Observer-based fault tolerant consensus of linear multi-agent systems. , 2015, , .		2
84	Adaptive Bipartite Tracking Control of Nonlinear Multi-Agent Systems with Unknown Hysteresis * *This work was supported by the National Natural Science Foundation of China under grants 61433011 and 61304166, and the Research Fund for the Doctoral Program of Higher Education under grant 20130184120013.. IFAC-PapersOnLine, 2017, 50, 5516-5521.	0.5	2
85	Attack-State Estimation for Cyber-Physical Systems: A Graph Theory Perspective. , 2018, , .		2
86	Stabilization of Wave Equation with Boundary Saturated Control. , 2018, , .		2
87	Fixed-Time Quasi-Containment Control with Antagonistic Nodes. , 2019, , .		2
88	Stabilization of non-smooth variable order switched nonlinear systems. ISA Transactions, 2021, 110, 160-171.	3.1	2
89	Low frequency Lagrange stabilization for pendulum‑like systems. International Journal of Robust and Nonlinear Control, 2021, 31, 4856-4868.	2.1	2
90	Composite control for trajectory tracking of wheeled mobile robots with NLESO and NTSMC. IET Control Theory and Applications, 2021, 15, 1686-1694.	1.2	2

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91	Map Feature Based Trajectory Prediction with Multi-class Traffic Participants. , 2021, , .		2
92	Differential privacy for bipartite consensus over signed digraph. Neurocomputing, 2022, 468, 11-21.	3.5	2
93	A Descriptor System Approach to Robust Quadratic Stability and Stabilization of Nonlinear Systems. , 0, , .		1
94	Novel Absolute Stability Criterion for Time Delay Systems with Sector-Bounded Nonlinearities. , 2006, , .		1
95	Research on the Root-Locus' Properties as Time Lag Varies. , 2006, , .		1
96	Global Asymptotic Stability Analysis for Neural Networks with Time-Varying Delays. , 2006, , .		1
97	Further Improvements on Delay-Dependent Absolute Stability of Delayed Systems with Sector-bounded Nonlinearity. , 2008, , .		1
98	Guaranteed Cost Control for Systems with Saturating Actuators and Input Delays. , 2008, , .		1
99	New Criteria of Reachable Set Estimation for Time Delay Systems Subject to Polytopic Uncertainties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 231-235.	0.4	1
100	L_∞ performance analysis for singular Lipschitz systems with actuator saturation and actuator fault. , 2012, , .		1
101	Exponential stabilization for linear systems with actuator saturation via intermittent control. , 2013, , .		1
102	Finite-time stabilization of linear systems with actuator fault and quantization. , 2014, , .		1
103	Formation Control for Wheeled Mobile Robots With Finite-Time Active Disturbance Rejection Control. , 2019, , .		1
104	Event-triggered control for neutrally stable linear systems subject to output saturation. , 2019, , .		1
105	Stealthy Attack Mitigation of Consensus-based Distributed Economic Dispatch. , 2019, , .		1
106	Event-triggered dynamic anti-windup augmentation for saturated systems. International Journal of Systems Science, 2021, 52, 196-216.	3.7	1
107	Reference input and hysteresis quantizer based triggered control for networked control systems over limited channels. International Journal of Robust and Nonlinear Control, 2021, 31, 2614-2632.	2.1	1
108	Modeling and Stability Analysis of DC Microgrid with Constant Power Loads. , 2021, , .		1

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109	H>inf<∞>/inf<Control of Systems with Input Delay and Input Sector Nonlinearity. , 0, , .		0
110	An Improved Set Invariance Analysis and Gain-Scheduled Control of LPV Systems subject to Actuator Saturation. , 0, , .		0
111	Stabilization criterion for delayed feedback control of time-delay chaotic systems. , 2006, , .		0
112	New Delay-Dependent Stabilization Criterion for Time-Delay Chaotic Systems. , 2007, , .		0
113	Robust Stability Analysis for Uncertain Fuzzy Systems with Time-Varying Delays. , 2007, , .		0
114	Synthesis for Linear Time-Delay Systems with Saturating Actuator. , 2007, , .		0
115	New delay-dependent stability and stabilization of linear system with state and input delays. , 2008, , .		0
116	Delay-dependent Lyapunov function approach to robust stability analysis for switched linear time-delay systems with polytopic uncertainties. , 2008, , .		0
117	Robust output feedback controller design for uncertain delayed systems with sensor failure. , 2009, , .		0
118	Reachable set analysis for linear systems with discrete and distributed delays. , 2010, , .		0
119	Robust H<inf>∞</inf> Control of Markovian Jump Systems subject to Saturating Actuator and Incomplete Knowledge of Transition Probability. , 2011, , .		0
120	Novel variance-constrained filtering for uncertain systems subject to randomly varying sensor delay. , 2011, , .		0
121	Robust finite-time stochastic stability analysis and control synthesis of uncertain discrete-time Markovian jump linear systems. , 2012, , .		0
122	A tighter reachable set bound for linear systems subject to both discrete and distributed delays. , 2012, , .		0
123	Stochastic stabilization of saturated Markovian jump systems with packet dropouts and partial information of transition probabilities. , 2012, , .		0
124	Quantized feedback control for Markov jump linear systems with incomplete transition probabilities. , 2013, , .		0
125	ESO-based resolver to digital converter. , 2014, , .		0
126	Regional stabilization of continuous-time systems with saturated quantizer and packet dropouts. , 2014, , .		0

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127	Finite-time stability of discrete-time switched singular systems with all unstable modes. International Journal of System Control and Information Processing, 2017, 2, 142.	0.0	0
128	Event-triggered control of switched linear systems: the elementary time unit approach*. , 2018, , .		0
129	Anti-windup Active Disturbance Rejection Control and its Application to Antenna Servo Systems. , 2019, , .		0
130	Specialized Car Detector for Autonomous Driving. , 2019, , .		0
131	A Robust and Efficient Pedestrian Detection Approach for Autonomous Driving. , 2019, , .		0
132	Global Finite-Time Stabilization for Fractional Order Switched Systems via Asynchronous Switching Control. , 2020, , .		0
133	Bipartite Consensus for Multi-Agent Systems with Differential Privacy Constraint. , 2021, , .		0
134	Region of Attraction Estimation for Island DC Microgrid with Large Shifting Load: The Mixed Potential Theory Approach. , 2021, , .		0
135	Head-Body Correlation for Robust Crowd Human Detection. , 2021, , .		0
136	Reachable Set Estimation and Synthesis for Switched Systems with Event-triggered Control. , 2020, , .		0
137	Stabilizability of Discontinuous Fractional-Order Switched Systems with Partial Unstable Modes. , 2020, , .		0
138	Lateral Control for Unmanned Ground Vehicle with Anti-Peak Composite Nonlinear Extended State Observer. , 2021, , .		0