Yan-Wu Wang

List of Publications by Year
in descending order

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132 papers	4,313 citations	109264 35 h-index	118793 62 g-index
132 all docs	132 docs citations	132 times ranked	2842 citing authors

#	Article	IF	Citations
1	Formation-containment control of multiple underactuated surface vessels with sampling communication via hierarchical sliding mode approach. ISA Transactions, 2022, 124, 458-467.	3.1	30
2	Adaptive proxy-based sliding mode control for a class of second-order nonlinear systems and its application to pneumatic muscle actuators. ISA Transactions, 2022, 124, 395-402.	3.1	26
3	Stabilization of Positive Systems With Time Delay via the Takagiâ€“Sugeno Fuzzy Impulsive Control. IEEE Transactions on Cybernetics, 2022, 52, 4275-4285.	6.2	28
4	Lag-Bipartite Formation Tracking of Networked Robotic Systems Over Directed Matrix-Weighted Signed Graphs. IEEE Transactions on Cybernetics, 2022, 52, 6759-6770.	6.2	23
5	Fixed-Time Synchronization of Competitive Neural Networks With Multiple Time Scales. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4133-4138.	7.2	23
6	Exponential stability of switched positive systems with unstable modes and distributed delays. Journal of the Franklin Institute, 2022, 359, 66-83.	1.9	14
7	Guaranteed Cost for an Event-Triggered Consensus Strategy for Interconnected Two Time-Scales Systems With Structured Uncertainty. IEEE Transactions on Cybernetics, 2022, 52, 4370-4380.	6.2	7
8	Predefined-Time Secondary Control for DC Microgrid. IEEE Transactions on Industrial Electronics, 2022, 69, 13504-13513.	5.2	15
9	Distributed Event-Triggered Synchronization of Interconnected Linear Two-Time-Scale Systems With Switching Topology. IEEE Transactions on Cybernetics, 2022, 52, 13714-13726.	6.2	4
10	A New Cooperation Framework With a Fair Clearing Scheme for Energy Storage Sharing. IEEE Transactions on Industrial Informatics, 2022, 18, 5893-5904.	7.2	11
11	Multitarget Tracking for Multiple Lagrangian Plants With Input-to-Output Redundancy and Sampled-Data Interactions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5611-5622.	5.9	13
12	Concentrated differentially private average consensus algorithm for a discrete-time network with heterogeneous dynamics. Journal of the Franklin Institute, 2022, 359, 1655-1676.	1.9	4
13	Secure stabilization of singularly perturbed switched systems under deception attacks. Nonlinear Dynamics, 2022, 108, 683-695.	2.7	9
14	Prescribed Performance-Based Secondary Control for DC Microgrid. IEEE Transactions on Energy Conversion, 2022, 37, 2610-2619.	3.7	5
15	Output Multiformation Tracking of Networked Heterogeneous Robotic Systems via Finite-Time Hierarchical Control. IEEE Transactions on Cybernetics, 2021, 51, 2893-2904.	6.2	35
16	Adaptive consensus of two-time-scale multi-agent systems. International Journal of Control, 2021, 94, 943-951.	1.2	8
17	Community Energy Cooperation With the Presence of Cheating Behaviors. IEEE Transactions on Smart Grid, 2021, 12, 561-573.	6.2	52
18	Global Optimization: A Distributed Compensation Algorithm and its Convergence Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2355-2369.	5.9	4

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19	Exponential stability of singularly perturbed systems with mixed impulses. Nonlinear Analysis: Hybrid Systems, 2021, 40, 101023.	2.1	4
20	Resilient Control and Analysis for DC Microgrid System Under DoS and Impulsive FDI Attacks. IEEE Transactions on Smart Grid, 2021, 12, 3742-3754.	6.2	76
21	Distributed Resource Allocation via Accelerated Saddle Point Dynamics. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1588-1599.	8.5	8
22	Distributed Fixed-Time Secondary Control for DC Microgrid Via Dynamic Average Consensus. IEEE Transactions on Sustainable Energy, 2021, 12, 2008-2018.	5.9	27
23	Economic Storage Sharing Framework: Asymmetric Bargaining-Based Energy Cooperation. IEEE Transactions on Industrial Informatics, 2021, 17, 7489-7500.	7.2	38
24	A Data-Driven MPC-Based Energy Optimization and Management Framework of an Energy Building. , 2021, , .		0
25	Human-in-the-Loop Teleoperation of NRS with Event-based Local Communication in A Fully-Distributed Manner. , 2021, , .		0
26	A Distributed Iterative Learning Framework for DC Microgrids: Current Sharing and Voltage Regulation. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 119-129.	3.4	30
27	Distributed Control of Nonlinear Multiagent Systems With Unknown and Nonidentical Control Directions via Event-Triggered Communication. IEEE Transactions on Cybernetics, 2020, 50, 1820-1832.	6.2	175
28	Consensus of Upper-Triangular Multiagent Systems With Sampled and Delayed Measurements via Output Feedback. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 600-608.	5.9	14
29	Event-Triggered Adaptive Output Regulation for a Class of Nonlinear Systems With Unknown Control Direction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3181-3188.	5.9	20
30	Predefined-time optimization for distributed resource allocation. Journal of the Franklin Institute, 2020, 357, 11323-11348.	1.9	25
31	Prosumer Community: A Risk Aversion Energy Sharing Model. IEEE Transactions on Sustainable Energy, 2020, 11, 828-838.	5.9	47
32	A Decentralized Periodic Energy Trading Framework for Pelagic Islanded Microgrids. IEEE Transactions on Industrial Electronics, 2020, 67, 7595-7605.	5.2	21
33	Exponential stability of singularly perturbed switched systems with all modes being unstable. Automatica, 2020, 113, 108800.	3.0	33
34	Collision-free and crossing-free trajectory design for second-order agents persistent monitoring. Journal of the Franklin Institute, 2020, 357, 8726-8743.	1.9	1
35	Distributed resource allocation: an indirect dual ascent method with an exponential convergence rate. Nonlinear Dynamics, 2020, 102, 1685-1699.	2.7	2
36	Distributed control of heterogeneous multi-agent systems with unknown control directions via event/self-triggered communication. Journal of the Franklin Institute, 2020, 357, 12163-12179.	1.9	4

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37	Faultâ€tolerant control of singularly perturbed systems with actuator faults and disturbances. International Journal of Robust and Nonlinear Control, 2020, 30, 4550-4564.	2.1	4
38	Exponential stability of switched positive systems with all modes being unstable. International Journal of Robust and Nonlinear Control, 2020, 30, 4600-4610.	2.1	16
39	Distributed Supervisory Secondary Control for a DC Microgrid. IEEE Transactions on Energy Conversion, 2020, 35, 1736-1746.	3.7	51
40	Distributed leaderless impulsive consensus of non-linear multi-agent systems with input saturation. Nonlinear Analysis: Hybrid Systems, 2020, 36, 100855.	2.1	20
41	Set-Membership filtering with incomplete observations. Information Sciences, 2020, 517, 37-51.	4.0	14
42	An Efficient Peer-to-Peer Energy-Sharing Framework for Numerous Community Prosumers. IEEE Transactions on Industrial Informatics, 2020, 16, 7402-7412.	7.2	60
43	Discrete-Communication-Based Bipartite Tracking of Networked Robotic Systems via Hierarchical Hybrid Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 1402-1412.	3.5	49
44	Collision-Free Trajectory Design for 2-D Persistent Monitoring Using Second-Order Agents. IEEE Transactions on Control of Network Systems, 2020, 7, 545-557.	2.4	9
45	A New and Fair Peer-to-Peer Energy Sharing Framework for Energy Buildings. IEEE Transactions on Smart Grid, 2020, 11, 3817-3826.	6.2	106
46	Multi-energy management with hierarchical distributed multi-scale strategy for pelagic islanded microgrid clusters. Energy, 2019, 185, 910-921.	4.5	40
47	Asynchronous impulsive control for consensus of second-order multi-agent networks. Communications in Nonlinear Science and Numerical Simulation, 2019, 79, 104892.	1.7	13
48	Dynamic consensus of nonlinear time-delay multi-agent systems with input saturation: an impulsive control algorithm. Nonlinear Dynamics, 2019, 97, 1699-1710.	2.7	28
49	L1-gain analysis and control of impulsive positive systems with interval uncertainty and time delay. Journal of the Franklin Institute, 2019, 356, 9180-9205.	1.9	6
50	Peer-to-Peer Energy Sharing Among Smart Energy Buildings by Distributed Transaction. IEEE Transactions on Smart Grid, 2019, 10, 6491-6501.	6.2	165
51	Residential virtual power plant with photovoltaic output forecasting and demand response. Asian Journal of Control, 2019, 21, 1906-1917.	1.9	6
52	Optimal Persistent Monitoring Using Second-Order Agents With Physical Constraints. IEEE Transactions on Automatic Control, 2019, 64, 3239-3252.	3.6	112
53	Distributed Optimization with Multiple Linear Equality Constraints and Convex Inequality Constraints. , 2019, , .		0
54	Bi-level Based Multiple Energy Sharing Management of Apartment Renewable Resources. , 2019, , .		1

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55	Controllability of impulsive singularly perturbed systems and its application to a class of multiplex networks. Nonlinear Analysis: Hybrid Systems, 2019, 31, 123-134.	2.1	12
56	A Two-Stage Robust Energy Sharing Management for Prosumer Microgrid. IEEE Transactions on Industrial Informatics, 2019, 15, 2741-2752.	7.2	80
57	On finite-time stability and stabilization of positive systems with impulses. Nonlinear Analysis: Hybrid Systems, 2019, 31, 275-291.	2.1	34
58	Dissipativity of Singularly Perturbed Lurâ€™e Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1532-1536.	2.2	16
59	Non-zero sum differential graphical game: cluster synchronisation for multi-agents with partially unknown dynamics. International Journal of Control, 2019, 92, 2408-2419.	1.2	7
60	Distributed optimization problem for second-order multi-agent systems with event-triggered and time-triggered communication. Journal of the Franklin Institute, 2019, 356, 10196-10215.	1.9	41
61	Distributed real-time demand response for energy management scheduling in smart grid. International Journal of Electrical Power and Energy Systems, 2018, 99, 233-245.	3.3	64
62	Distributed gameâ€based pricing strategy for energy sharing in microgrid with PV prosumers. IET Renewable Power Generation, 2018, 12, 380-388.	1.7	45
63	3D Grid Multi-Wing Chaotic Attractors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850045.	0.7	17
64	Robust consensus of fractional-order multi-agent systems with input saturation and external disturbances. Neurocomputing, 2018, 303, 11-19.	3.5	33
65	Output formation-containment of interacted heterogeneous linear systems by distributed hybrid active control. Automatica, 2018, 93, 26-32.	3.0	178
66	Distributed optimization problem for double-integrator systems with the presence of the exogenous disturbance. Neurocomputing, 2018, 272, 386-395.	3.5	28
67	Distributed auction optimization algorithm for the nonconvex economic dispatch problem based on the gossip communication mechanism. International Journal of Electrical Power and Energy Systems, 2018, 95, 417-426.	3.3	27
68	Optimal Power Sharing Control for DC Microgrids via Adaptive Dynamic Programming. , 2018, , .		1
69	Stability and <tex>L_{1}</tex>-gain analysis of impulsive positive systems via discretized copositive Lyapunov function method. , 2018, , .		0
70	Distributed Hybrid Secondary Control for a DC Microgrid via Discrete-Time Interaction. IEEE Transactions on Energy Conversion, 2018, 33, 1865-1875.	3.7	64
71	Optimal control approach to persistent monitoring problem based on monitoring index. IET Control Theory and Applications, 2018, 12, 1628-1634.	1.2	4
72	Impulsive Multisynchronization of Coupled Multistable Neural Networks With Time-Varying Delay. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1560-1571.	7.2	111

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73	Output formation-containment of coupled heterogeneous linear systems under intermittent communication. Journal of the Franklin Institute, 2017, 354, 392-414.	1.9	124
74	Modulus consensus in a network of singularly perturbed systems with collaborative and antagonistic interactions. International Journal of Control, 2017, 90, 2667-2676.	1.2	15
75	Cluster synchronization of coupled delayed competitive neural networks with two time scales. Nonlinear Dynamics, 2017, 90, 2767-2782.	2.7	30
76	Hybrid Consensus-based Algorithm for Distributed Economic Dispatch Problem * *This work is supported by the National Natural Science Foundation of China under Grants 61374171, 61572210, 51537003 and 61673178, the Fundamental Research Funds for the Central Universities (2015TS030).. IFAC-PapersOnLine, 2017, 50, 177-182.	0.5	6
77	Distributed optimisation problem with communication delay and external disturbance. International Journal of Systems Science, 2017, 48, 3530-3541.	3.7	7
78	Distributed control of heterogeneous linear multi-agent systems by intermittent event-triggered control. , 2017, , .		3
79	Positive observer design for linear impulsive positive systems with interval uncertainties and time delay. International Journal of Control, Automation and Systems, 2017, 15, 1032-1039.	1.6	8
80	Distributed hierarchical control design of coupled heterogeneous linear systems under switching networks. International Journal of Robust and Nonlinear Control, 2017, 27, 1242-1259.	2.1	52
81	Impulsive positive observers and dynamic output feedback stabilization of positive linear continuous systems. International Journal of Robust and Nonlinear Control, 2017, 27, 2275-2291.	2.1	24
82	Impulsive stabilization of positive systems with time-varying delays. , 2017, , .		2
83	Distributed optimisation of secondâ€order multiâ€agent systems by control algorithm using positionâ€only interaction with timeâ€varying delay. IET Control Theory and Applications, 2017, 11, 2549-2558.	1.2	16
84	Coordination of networked delayed singularly perturbed systems with antagonistic interactions and switching topologies. Nonlinear Dynamics, 2017, 89, 741-754.	2.7	10
85	Robust reliable guaranteed cost control of positive interval systems with multiple time delays and actuator failure. International Journal of Systems Science, 2016, 47, 946-955.	3.7	15
86	Synchronisation of complex dynamical networks with additive stochastic time-varying delays. International Journal of Systems Science, 2016, 47, 1221-1229.	3.7	14
87	Bipartite consensus for multiple two-time scales agents over the signed digraph. , 2016, , .		1
88	Time-varying formation tracking of multiple manipulators via distributed finite-time control. Neurocomputing, 2016, 202, 20-26.	3.5	64
89	Adaptive fuzzy faultâ€tolerant control for a class of unknown nonâ€linear dynamical systems. IET Control Theory and Applications, 2016, 10, 2357-2369.	1.2	8
90	Assignment-driven multi-consensus in second-order multi-agent systems via impulsive control with heterogeneous delays. , 2016, , .		2

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91	Generating high-dimensional grid multi-scroll attractors via feedback controller and switching function. , 2015, , .		0
92	Multistability of discrete-time delayed Cohenâ€“Grossberg neural networks with second-order synaptic connectivity. Neurocomputing, 2015, 164, 252-261.	3.5	24
93	Consensus in secondâ€order multiâ€agent systems via impulsive control using positionâ€only information with heterogeneous delays. IET Control Theory and Applications, 2015, 9, 336-345.	1.2	39
94	Global Synchronization of Complex Dynamical Networks Through Digital Communication With Limited Data Rate. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2487-2499.	7.2	99
95	Formation tracking of the second-order multi-agent systems using position-only information via impulsive control with input delays. Applied Mathematics and Computation, 2014, 246, 572-585.	1.4	29
96	Consensus in Markovian jump secondâ€order multiâ€agent systems with random communication delay. IET Control Theory and Applications, 2014, 8, 1666-1675.	1.2	19
97	Exponential stability of impulsive positive systems with mixed timeâ€varying delays. IET Control Theory and Applications, 2014, 8, 1537-1542.	1.2	67
98	Stability analysis of switched positive linear systems with stable and unstable subsystems. International Journal of Systems Science, 2014, 45, 2458-2465.	3.7	40
99	Stability Analysis of Impulsive Positive Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5987-5991.	0.4	29
100	Stability and synchronization of directed complex dynamical networks with random packet loss: the continuousâ€time case and the discreteâ€time case. International Journal of Circuit Theory and Applications, 2013, 41, 1272-1289.	1.3	9
101	Robust synchronization of complex switched networks with parametric uncertainties and two types of delays. International Journal of Robust and Nonlinear Control, 2013, 23, 190-207.	2.1	21
102	Exponential synchronization of complex dynamical networks with markovian jump parameters and stochastic delays and its application to multi-agent systems. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 1175-1192.	1.7	72
103	Mean square average-consensus for multi-agent systems with measurement noise and time delay. International Journal of Systems Science, 2013, 44, 995-1005.	3.7	36
104	Average consensus of multi-agent systems under logarithm quantized communications. , 2012, , .		1
105	Dynamic consensus of multi-agent systems under Markov packet losses with defective transition probabilities. , 2012, , .		2
106	Adaptive pinning control for the projective synchronization of drive-response dynamical networks. Applied Mathematics and Computation, 2012, 219, 2780-2788.	1.4	13
107	Finite-Time Consensus for Leader-Following Second-Order Multi-Agent Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2646-2654.	3.5	173
108	Synchronization of Continuous Dynamical Networks With Discrete-Time Communications. IEEE Transactions on Neural Networks, 2011, 22, 1979-1986.	4.8	50

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109	Synchronization of complex switched networks with two types of delays. Neurocomputing, 2011, 74, 3151-3157.	3.5	8
110	Reaching cluster consensus in multi-agent systems. , 2011, , .		13
111	Reducedâ€order impulsive control for a class of nonlinear systems. International Journal of Robust and Nonlinear Control, 2010, 20, 892-898.	2.1	1
112	Robust synchronization of impulsively-coupled complex switched networks with parametric uncertainties and time-varying delays. Nonlinear Analysis: Real World Applications, 2010, 11, 3008-3020.	0.9	60
113	Synchronization of complex dynamical networks under recoverable attacks. Automatica, 2010, 46, 197-203.	3.0	131
114	Global synchronization of complex dynamical networks with network failures. International Journal of Robust and Nonlinear Control, 2010, 20, 1667-1677.	2.1	44
115	Adaptive synchronization of complex dynamical networks with two types of time-varying delays. , 2010, , .		0
116	Synchronization of Complex Dynamical Networks With Time-Varying Delays Via Impulsive Distributed Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2182-2195.	3.5	383
117	Stability and synchronization of complex dynamical networks with random packet losses. , 2010, , .		2
118	Adaptive-impulsive synchronization of complex dynamical networks with delays. , 2010, , .		0
119	Stabilization of complex switched networks with two types of delays via impulsive control. , 2009, , .		1
120	Adaptive synchronization of GLHS with unknown parameters. International Journal of Circuit Theory and Applications, 2009, 37, 920-927.	1.3	7
121	Reduced-order adaptive control design for the stabilization and synchronization of a class of nonlinear chaotic systemsâ˜†. Chaos, Solitons and Fractals, 2009, 42, 1156-1162.	2.5	3
122	Robust stabilization of uncertain complex singular dynamical networks via impulsive control. , 2009, , .		1
123	Robust synchronization of impulsively-coupled complex dynamical networks with parametric uncertainties and delays. , 2009, , .		1
124	Robust Stabilization of Complex Switched Networks With Parametric Uncertainties and Delays Via Impulsive Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 2100-2108.	3.5	88
125	Delay-dependent stability of discrete-time complex networks with mode-dependent uncertain parameters and time delays. , 2009, , .		0
126	Synchronization of complex dynamical networks via distributed impulsive control. , 2009, , .		0

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127	Adaptive Synchronization of Two Different Hyperchaotic Systems with Unknown Parameters. , 2009, , .		3
128	Adaptive control and synchronization for chaotic systems with parametric uncertainties. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2409-2414.	0.9	37
129	A survey on pinning control of complex dynamical networks. , 2008, , .		5
130	Delay independent synchronization of complex network via hybrid control. , 2008, , .		6
131	Adaptive control and synchronization for a class of nonlinear chaotic systems using partial system states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 351, 79-84.	0.9	33
132	Impulsive control for synchronization of a class of continuous systems. Chaos, 2004, 14, 199-203.	1.0	64