Chaoli Wang

List of Publications by Year
in descending order

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63	783	471061	552369
papers	citations	17	26
		h-index	g-index

64	64	64	513
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distributed control of higher-order nonlinear multi-agent systems with unknown non-identical control directions under general directed graphs. Automatica, 2019, 110, 108559.	3.0	67
2	Semiglobal practical stabilization of nonholonomic wheeled mobile robots with saturated inputs. Automatica, 2008, 44, 816-822.	3.0	47
3	Designing distributed consensus protocols for second-order nonlinear multi-agents with unknown control directions under directed graphs. Journal of the Franklin Institute, 2017, 354, 571-592.	1.9	46
4	Robust Practical Stabilization of Nonholonomic Mobile Robots Based on Visual Servoing Feedback with Inputs Saturation. Asian Journal of Control, 2014, 16, 692-702.	1.9	38
5	Fully Distributed Low-Complexity Control for Nonlinear Strict-Feedback Multiagent Systems With Unknown Dead-Zone Inputs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 421-431.	5.9	35
6	Distributed adaptive consensus tracking control of higher-order nonlinear strict-feedback multi-agent systems using neural networks. Neurocomputing, 2016, 214, 269-279.	3.5	32
7	Distributed consensus control for second-order nonlinear multi-agent systems with unknown control directions and position constraints. Neurocomputing, 2018, 306, 61-67.	3.5	26
8	Adaptive Path Following of Underactuated Snake Robot on Unknown and Varied Frictions Ground: Theory and Validations. IEEE Robotics and Automation Letters, 2018, 3, 4273-4280.	3.3	26
9	Neural-network-based distributed adaptive asymptotically consensus tracking control for nonlinear multiagent systems with input quantization and actuator faults. Neurocomputing, 2019, 349, 64-76.	3.5	26
10	Distributed adaptive leader-following tracking control of networked Lagrangian systems with unknown control directions under undirected/directed graphs. International Journal of Control, 2019, 92, 2886-2898.	1.2	26
11	Distributed Cooperative Control of Multiple Nonholonomic Mobile Robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 83, 525-541.	2.0	25
12	Barrier function-based adaptive neural network sliding mode control of autonomous surface vehicles. Ocean Engineering, 2021, 238, 109684.	1.9	25
13	Distributed adaptive output consensus tracking for high-order nonlinear time-varying multi-agent systems with output constraints and actuator faults. Journal of the Franklin Institute, 2020, 357, 1090-1117.	1.9	23
14	Consensus control of outputâ€constrained multiagent systems with unknown control directions under a directed graph. International Journal of Robust and Nonlinear Control, 2020, 30, 1802-1818.	2.1	23
15	Distributed Consensus of Nonlinear Multi-Agent Systems With Mismatched Uncertainties and Unknown High-Frequency Gains. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 938-942.	2.2	23
16	Adaptive neural network finite-time tracking control for a class of high-order nonlinear multi-agent systems with powers of positive odd rational numbers and prescribed performance. Neurocomputing, 2021, 419, 157-167.	3.5	19
17	Distributed adaptive output consensus control of second-order systems containing unknown non-linear control gains. International Journal of Systems Science, 2016, 47, 3350-3363.	3.7	18
18	Leader-following consensus control of position-constrained multiple Euler-Lagrange systems with unknown control directions. Neurocomputing, 2020, 409, 208-216.	3.5	18

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19	Distributed adaptive output consensus tracking of higher-order systems with unknown control directions. Neurocomputing, 2016, 203, 129-138.	3.5	17
20	Distributed Leaderless and Leader-Following Consensus Control of Multiple Euler-Lagrange Systems with Unknown Control Directions. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 89, 439-463.	2.0	16
21	Output-feedback formation tracking control of networked nonholonomic multi-robots with connectivity preservation and collision avoidance. Neurocomputing, 2020, 414, 267-277.	3.5	15
22	Distributed adaptive output feedback tracking control for a class of uncertain nonlinear multi-agent systems. International Journal of Systems Science, 2017, 48, 587-603.	3.7	14
23	An approximation-free simple controller for uncertain quadrotor systems in the presence of thrust saturation. Mechatronics, 2020, 72, 102450.	2.0	14
24	Output feedback stabilization for stochastic nonholonomic systems with nonlinear drifts and Markovian switching. Asian Journal of Control, 2014, 16, 1679-1692.	1.9	13
25	Consensus control of higher-order nonlinear multi-agent systems with unknown control directions. Neurocomputing, 2019, 359, 122-129.	3.5	13
26	Two-layer distributed formation-containment control of multiple Eulerâ€“Lagrange systems with unknown control directions. Neurocomputing, 2020, 387, 359-368.	3.5	12
27	A deployable articulated mechanism enabled in-flight morphing aerial gripper. Mechanism and Machine Theory, 2022, 167, 104518.	2.7	12
28	State-feedback stabilization for stochastic high-order nonholonomic systems with Markovian switching. Nonlinear Analysis: Hybrid Systems, 2015, 18, 1-14.	2.1	11
29	Spline Based Curve Path Following of Underactuated Snake Robots. , 2019, , .		10
30	Truncated prediction-based distributed consensus control of linear multi-agent systems with discontinuous communication and input delay. Neurocomputing, 2020, 409, 217-230.	3.5	10
31	State-feedback stabilisation for stochastic non-holonomic systems with Markovian switching. International Journal of Modelling, Identification and Control, 2012, 16, 221.	0.2	9
32	Adaptive Path Following of Snake Robot on Ground with Unknown and Varied Friction Coefficients. , 2018, , .		7
33	Comparative Validation Study on Bioinspired Morphology-Adaptation Flight Performance of a Morphing Quad-Rotor. IEEE Robotics and Automation Letters, 2021, 6, 5145-5152.	3.3	7
34	Distributed Consensus of Networked Lagrangian Systems With Unknown Nonidentical Control Directions. IEEE Access, 2020, 8, 44590-44598.	2.6	6
35	Practical output consensus control of uncertain nonlinear multiâ€agent systems without using the higherâ€order states of neighbours. IET Control Theory and Applications, 2021, 15, 1091-1103.	1.2	6
36	Distributed Consensus Control of Multiple UAVs in a Constrained Environment. , 2020, , .		5

#	Article	IF	Citations
37	Perception-Aware Path Finding and Following of Snake Robot in Unknown Environment. , 2020, , .		5
38	Finite-time consensus control for second-order multi-agent systems with output constraint. , 2018, , .		4
39	Asymptotic tracking control with preassigned transient performance for strict-feedback systems in the presence of unknown control directions. Journal of the Franklin Institute, 2020, 357, 206-228.	1.9	4
40	Distributed adaptive output consensus tracking control of higher-order systems with unknown control directions. , 2016, , .		3
41	Distributed formation-containment control for multiple Eulerâ€“Lagrange systems with guaranteed performance and unknown control directions. International Journal of Systems Science, 2020, 51, 2781-2792.	3.7	3
42	Trajectory Tracking of Nonholonomic Mobile Robots via Discrete-Time Sliding Mode Controller Based on Uncalibrated Visual Servoing. Communications in Computer and Information Science, 2014, , 342-350.	0.4	3
43	Constrained Consensus in Nonlinear Multiagent Systems Under Switching Topologies. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2857-2861.	2.2	3
44	A Cost-Effective, High-Performance, and Bio-inspired Pulse Sensor for Quantitative Assessment of Arterial Stiffness. , 2019, , .		2
45	Distributed low-complexity output feedback tracking control for nonlinear multi-agent systems with unmodeled dynamics and prescribed performance. International Journal of Systems Science, 0, , 1-15.	3.7	2
46	An Approximation-Free Simple Control Scheme for Uncertain Quadrotor Systems: Theory and Validations. , 2019, , .		2
47	Connectivity-preserving-based distributed adaptive asymptotically synchronised tracking of networked uncertain nonholonomic mobile robots with actuator failures and unknown control directions. International Journal of Systems Science, 2021, 52, 2358-2374.	3.7	2
48	Optimal output tracking control of linear discrete-time systems with unknown dynamics by adaptive dynamic programming and output feedback. International Journal of Systems Science, 2022, 53, 3426-3448.	3.7	2
49	Robust regulation of mobile robots with dynamic based on uncalibrated visual servoing. , 2014, , .		1
50	Distributed robust consensus tracking control of higher-order nonlinear systems. , 2015, , .		1
51	Distributed leaderless consensus control of multiple Euler-Lagrange systems with unknown control directions. , 2016, , .		1
52	Distributed adaptive output consensus control of nonlinear strict-feedback systems using neural networks. , 2016, , .		1
53	Adaptive Asymptotic Tracking Control Without Singularity for a Class of Uncertain Quadrotors With Thrust Saturation. IEEE Access, 2021, 9, 104612-104625.	2.6	1
54	Distributed cooperative control of position-constrained nonlinear systems under a directed graph. , 2021, , .		1

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55	Connectivity-preserving-based Distributed Synchronized Tracking of Networked Uncertain Underactuated Surface Vessels with Actuator Failures and Unknown Control Directions. International Journal of Control, Automation and Systems, 2021, 19, 3996-4009.	1.6	1
56	Event-Triggered Tracking Control Scheme for Quadrotors with External Disturbances: Theory and Validations. , 2022, , .		1
57	Adaptive state-feedback stabilization of stochastic high-order nonholonomic systems with nonlinear parameterization. , 2014, , .		0
58	Distributed Adaptive Control for Consensus of Unknown Nonlinear Multi-agent Systems. Lecture Notes in Electrical Engineering, 2018, , 505-515.	0.3	0
59	Navigation Scheme of Mobile Robots and Its Application at Airport Environment. , 2018, , .		0
60	Efficient and Smooth Enhanced Curve Path Following of Underactuated Snake Robots. , 2019, , .		0
61	Consensus Control of Position-Constrained Multi-Agent Systems Without the Velocity Information of Neighbors. IEEE Access, 2020, 8, 184834-184840.	2.6	0
62	Consensus of nonlinear multi-agent systems with mismatched uncertainties and unknown high-frequency gains. , 2020, , .		0
63	Connectivity preserving design strategy for distributed adaptive cooperative control of networked uncertain nonholonomic mobile robots with unknown control directions. , 2021, , .		0