

Chaoli Wang

List of Publications by Year in descending order

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papers

783
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471061
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g-index

64
all docs

64
docs citations

64
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	A deployable articulated mechanism enabled in-flight morphing aerial gripper. Mechanism and Machine Theory, 2022, 167, 104518.	2.7	12
2	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
3	Event-Triggered Tracking Control Scheme for Quadrotors with External Disturbances: Theory and Validations. , 2022, , .		1
4	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
5	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
6	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
7	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
8	Practical output consensus control of uncertain nonlinear multi-agent systems without using the higher-order states of neighbours. IET Control Theory and Applications, 2021, 15, 1091-1103.	1.2	6
9	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
10	Barrier function-based adaptive neural network sliding mode control of autonomous surface vehicles. Ocean Engineering, 2021, 238, 109684.	1.9	25
11	Adaptive Asymptotic Tracking Control Without Singularity for a Class of Uncertain Quadrotors With Thrust Saturation. IEEE Access, 2021, 9, 104612-104625.	2.6	1
12	Distributed cooperative control of position-constrained nonlinear systems under a directed graph. , 2021, , .		1
13	Connectivity preserving design strategy for distributed adaptive cooperative control of networked uncertain nonholonomic mobile robots with unknown control directions. , 2021, , .		0
14	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
15	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
16	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
17	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
18	Consensus control of output-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

#	ARTICLE	IF	CITATIONS
19	Distributed Consensus Control of Multiple UAVs in a Constrained Environment. , 2020, , .		5
20	Output-feedback formation tracking control of networked nonholonomic multi-robots with connectivity preservation and collision avoidance. Neurocomputing, 2020, 414, 267-277.	3.5	15
21	Distributed formation-containment control for multiple Euler-Lagrange systems with guaranteed performance and unknown control directions. International Journal of Systems Science, 2020, 51, 2781-2792.	3.7	3
22	Consensus Control of Position-Constrained Multi-Agent Systems Without the Velocity Information of Neighbors. IEEE Access, 2020, 8, 184834-184840.	2.6	0
23	Consensus of nonlinear multi-agent systems with mismatched uncertainties and unknown high-frequency gains. , 2020, , .		0
24	An approximation-free simple controller for uncertain quadrotor systems in the presence of thrust saturation. Mechatronics, 2020, 72, 102450.	2.0	14
25	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
26	Leader-following consensus control of position-constrained multiple Euler-Lagrange systems with unknown control directions. Neurocomputing, 2020, 409, 208-216.	3.5	18
27	Two-layer distributed formation-containment control of multiple Euler-Lagrange systems with unknown control directions. Neurocomputing, 2020, 387, 359-368.	3.5	12
28	Distributed Consensus of Networked Lagrangian Systems With Unknown Nonidentical Control Directions. IEEE Access, 2020, 8, 44590-44598.	2.6	6
29	Perception-Aware Path Finding and Following of Snake Robot in Unknown Environment. , 2020, , .		5
30	Spline Based Curve Path Following of Underactuated Snake Robots. , 2019, , .		10
31	Efficient and Smooth Enhanced Curve Path Following of Underactuated Snake Robots. , 2019, , .		0
32	A Cost-Effective, High-Performance, and Bio-inspired Pulse Sensor for Quantitative Assessment of Arterial Stiffness. , 2019, , .		2
33	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
34	Consensus control of higher-order nonlinear multi-agent systems with unknown control directions. Neurocomputing, 2019, 359, 122-129.	3.5	13
35	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
36	An Approximation-Free Simple Control Scheme for Uncertain Quadrotor Systems: Theory and Validations. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
37	Distributed adaptive leader-following tracking control of networked Lagrangian systems with unknown control directions under undirected/directed graphs. <i>International Journal of Control</i> , 2019, 92, 2886-2898.	1.2	26
38	Distributed Leaderless and Leader-Following Consensus Control of Multiple Euler-Lagrange Systems with Unknown Control Directions. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018, 89, 439-463.	2.0	16
39	Distributed Adaptive Control for Consensus of Unknown Nonlinear Multi-agent Systems. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 505-515.	0.3	0
40	Navigation Scheme of Mobile Robots and Its Application at Airport Environment. , 2018, , .		0
41	Finite-time consensus control for second-order multi-agent systems with output constraint. , 2018, , .		4
42	Adaptive Path Following of Snake Robot on Ground with Unknown and Varied Friction Coefficients. , 2018, , .		7
43	Distributed consensus control for second-order nonlinear multi-agent systems with unknown control directions and position constraints. <i>Neurocomputing</i> , 2018, 306, 61-67.	3.5	26
44	Adaptive Path Following of Underactuated Snake Robot on Unknown and Varied Frictions Ground: Theory and Validations. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 4273-4280.	3.3	26
45	Distributed adaptive output feedback tracking control for a class of uncertain nonlinear multi-agent systems. <i>International Journal of Systems Science</i> , 2017, 48, 587-603.	3.7	14
46	Designing distributed consensus protocols for second-order nonlinear multi-agents with unknown control directions under directed graphs. <i>Journal of the Franklin Institute</i> , 2017, 354, 571-592.	1.9	46
47	Distributed leaderless consensus control of multiple Euler-Lagrange systems with unknown control directions. , 2016, , .		1
48	Distributed Cooperative Control of Multiple Nonholonomic Mobile Robots. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016, 83, 525-541.	2.0	25
49	Distributed adaptive consensus tracking control of higher-order nonlinear strict-feedback multi-agent systems using neural networks. <i>Neurocomputing</i> , 2016, 214, 269-279.	3.5	32
50	Distributed adaptive output consensus tracking control of higher-order systems with unknown control directions. , 2016, , .		3
51	Distributed adaptive output consensus control of nonlinear strict-feedback systems using neural networks. , 2016, , .		1
52	Distributed adaptive output consensus tracking of higher-order systems with unknown control directions. <i>Neurocomputing</i> , 2016, 203, 129-138.	3.5	17
53	Distributed adaptive output consensus control of second-order systems containing unknown non-linear control gains. <i>International Journal of Systems Science</i> , 2016, 47, 3350-3363.	3.7	18
54	Distributed robust consensus tracking control of higher-order nonlinear systems. , 2015, , .		1

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55	State-feedback stabilization for stochastic high-order nonholonomic systems with Markovian switching. <i>Nonlinear Analysis: Hybrid Systems</i> , 2015, 18, 1-14.	2.1	11
56	Robust Practical Stabilization of Nonholonomic Mobile Robots Based on Visual Servoing Feedback with Inputs Saturation. <i>Asian Journal of Control</i> , 2014, 16, 692-702.	1.9	38
57	Output feedback stabilization for stochastic nonholonomic systems with nonlinear drifts and Markovian switching. <i>Asian Journal of Control</i> , 2014, 16, 1679-1692.	1.9	13
58	Robust regulation of mobile robots with dynamic based on uncalibrated visual servoing. , 2014, , .		1
59	Adaptive state-feedback stabilization of stochastic high-order nonholonomic systems with nonlinear parameterization. , 2014, , .		0
60	Trajectory Tracking of Nonholonomic Mobile Robots via Discrete-Time Sliding Mode Controller Based on Uncalibrated Visual Servoing. <i>Communications in Computer and Information Science</i> , 2014, , 342-350.	0.4	3
61	State-feedback stabilisation for stochastic non-holonomic systems with Markovian switching. <i>International Journal of Modelling, Identification and Control</i> , 2012, 16, 221.	0.2	9
62	Semiglobal practical stabilization of nonholonomic wheeled mobile robots with saturated inputs. <i>Automatica</i> , 2008, 44, 816-822.	3.0	47
63	Distributed low-complexity output feedback tracking control for nonlinear multi-agent systems with unmodeled dynamics and prescribed performance. <i>International Journal of Systems Science</i> , 0, , 1-15.	3.7	2