Qingkai Yang

List of Publications by Year
in descending order

26 papers	**304** citations	1306789 **7** h-index	887659 **17** g-index
26 all docs	**26** docs citations	**26** times ranked	**312** citing authors

#	Article	IF	Citations
1	Distributed Global Output-Feedback Control for a Class of Euler–Lagrange Systems. IEEE Transactions on Automatic Control, 2017, 62, 4855-4861.	3.6	50
2	Distributed formation tracking using local coordinate systems. Systems and Control Letters, 2018, 111, 70-78.	1.3	42
3	Stress-matrix-based formation scaling control. Automatica, 2019, 101, 120-127.	3.0	35
4	Distributed backstepping-based adaptive fuzzy control of multiple high-order nonlinear dynamics. Nonlinear Dynamics, 2015, 81, 63-75.	2.7	32
5	Distributed Model-Based Event-Triggered Leader–Follower Consensus Control for Linear Continuous-Time Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6457-6465.	5.9	27
6	Constructing Universally Rigid Tensegrity Frameworks With Application in Multiagent Formation Control. IEEE Transactions on Automatic Control, 2019, 64, 381-388.	3.6	21
7	Vision-Based Autonomous Landing for Unmanned Aerial and Ground Vehicles Cooperative Systems. IEEE Robotics and Automation Letters, 2022, 7, 6234-6241.	3.3	15
8	Weighted centroid tracking control for multi-agent systems. , 2016, , .		12
9	Construction of universally rigid tensegrity frameworks and their applications in formation scaling control. , 2017, , .		10
10	Formation scaling control using the stress matrix. , 2017, , .		9
11	Distributed Behavioral Control for Second-Order Nonlinear Multi-Agent Systems. IFAC-PapersOnLine, 2017, 50, 2445-2450.	0.5	7
12	A Framework for Optimized Topology Design and Leader Selection in Affine Formation Control. IEEE Robotics and Automation Letters, 2022, 7, 8627-8634.	3.3	7
13	Controlling Dynamic Formations of Mobile Agents Governed by Euler-Lagrange Dynamics. International Journal of Control, Automation and Systems, 2021, 19, 1740-1750.	1.6	6
14	Distributed Continuous-Time Algorithm for Time-Varying Optimization With Affine Formation Constraints. IEEE Transactions on Automatic Control, 2023, 68, 2615-2622.	3.6	5
15	Growing Super Stable Tensegrity Frameworks. IEEE Transactions on Cybernetics, 2019, 49, 2524-2535.	6.2	4
16	Distributed Cooperative Control of Redundant Mobile Manipulators With Safety Constraints. IEEE Transactions on Cybernetics, 2023, 53, 1195-1207.	6.2	4
17	A Unifying Framework for Human–Agent Collaborative Systems—Part I: Element and Relation Analysis. IEEE Transactions on Cybernetics, 2022, 52, 138-151.	6.2	3
18	Decentralized Motion Planning for Multiagent Collaboration Under Coupled LTL Task Specifications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3602-3611.	5.9	3

#	ARTICLE	IF	CITATIONS
19	Responsiveness Analysis of Classic and Observer-Based Leader–Follower Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 1239-1248.	2.4	3
20	Planar Affine Formation Stabilization via Parameter Estimations. IEEE Transactions on Cybernetics, 2022, 52, 5322-5332.	6.2	3
21	Distributed Hierarchical Shared Control for Flexible Multirobot Maneuver Through Dense Undetectable Obstacles. IEEE Transactions on Cybernetics, 2023, 53, 2930-2943.	6.2	2
22	Global output feedback control for multiple robotic manipulators. , 2015, , .		1
23	Tunable formation realization for nonholonomic mobile robots using the stress matrix. , 2019, , .		1
24	Stress-matrix-based formation transformation control under mixed control variables. Advanced Control for Applications, 2020, 2, e36.	0.8	1
25	Stabilizing Angle Rigid Formations With Prescribed Orientation and Scale. IEEE Transactions on Industrial Electronics, 2022, 69, 11654-11664.	5.2	1
26	Simulation and Comparison of Different Types of First-order Decentralized Sliding Mode Estimators. , 2018, , .		0