

# Yang-Yang Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

682  
citations

516215

16  
h-index

580395

25  
g-index

59  
all docs

59  
docs citations

59  
times ranked

421  
citing authors

#	ARTICLE	IF	CITATIONS
1	A backstepping design for directed formation control of three-leader agents in the plane. <i>International Journal of Robust and Nonlinear Control</i> , 2009, 19, 729-745.	2.1	63
2	Formation tracking and attitude synchronization control of underactuated ships along closed orbits. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 3023-3044.	2.1	58
3	Circular formation flight control for unmanned aerial vehicles with directed network and external disturbance. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020, 7, 505-516.	8.5	53
4	A curve extension design for coordinated path following control of unicycles along given convex loops. <i>International Journal of Control</i> , 2011, 84, 1729-1745.	1.2	41
5	Coordinated path following control of multi-unicycle formation motion around closed curves in a time-invariant flow. <i>Nonlinear Dynamics</i> , 2015, 81, 1005-1016.	2.7	34
6	Average-Consensus Filter of First-Order Multi-Agent Systems With Disturbances. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018, 65, 1763-1767.	2.2	32
7	A geometric extension design for spherical formation tracking control of second-order agents in unknown spatiotemporal flowfields. <i>Nonlinear Dynamics</i> , 2017, 88, 1173-1186.	2.7	30
8	Coordinated adaptive control for three-dimensional formation tracking with a time-varying orbital velocity. <i>IET Control Theory and Applications</i> , 2013, 7, 646-662.	1.2	27
9	Coordinated adaptive control for coordinated path-following surface vessels with a time-invariant orbital velocity. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2014, 1, 337-346.	8.5	27
10	Adaptive Formation Tracking Control for First-Order Agents With a Time-Varying Flow Parameter. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 2481-2488.	3.6	27
11	An adaptive backstepping design for formation tracking motion in an unknown Eulerian specification flowfield. <i>Journal of the Franklin Institute</i> , 2017, 354, 6217-6233.	1.9	26
12	Formation circumnavigation for unmanned aerial vehicles using relative measurements with an uncertain dynamic target. <i>Nonlinear Dynamics</i> , 2019, 97, 2305-2321.	2.7	21
13	Adaptive neural networks-based fixed-time fault-tolerant consensus tracking for uncertain multiple Euler-Lagrange systems. <i>ISA Transactions</i> , 2022, 129, 102-113.	3.1	19
14	Adaptive Formation Tracking Control of Directed Networked Vehicles in a Time-Varying Flowfield. <i>Journal of Guidance, Control, and Dynamics</i> , 2021, 44, 1883-1891.	1.6	18
15	Spherical formation tracking control for second-order agents with unknown general flowfields and strongly connected topologies. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 3715-3736.	2.1	17
16	Fuzzy Adaptive Containment Control for Nonlinear Nonaffine Pure-Feedback Multiagent Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 2878-2889.	6.5	17
17	Spherical Formation Tracking Control of Nonlinear Second-Order Agents With Adaptive Neural Flow Estimate. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 5716-5727.	7.2	14
18	Indirect Adaptive Fuzzy Control for Nonaffine Nonlinear Pure-Feedback Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 2918-2929.	6.5	13

#	ARTICLE	IF	CITATIONS
19	Directed Coordinated Control for Multi-agent Formation Motion on a Set of Given Curves. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 35, 1541-1549.	0.3	12
20	Hierarchical Average-Tracking Algorithm for Multiagent Systems With Unmatched Constant References Signals. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2642-2646.	2.2	11
21	Practical Fixed-Time Consensus Tracking for Multiple Euler-Lagrange Systems With Stochastic Packet Losses and Input/Output Constraints. IEEE Systems Journal, 2022, 16, 6185-6196.	2.9	11
22	Coordinated path-following and attitude control for multiple surface vessels via curve extension method. , 2012, , .		10
23	Spherical formation tracking control of non-holonomic aircraft-like vehicles in a spatiotemporal flowfield. Journal of the Franklin Institute, 2020, 357, 3924-3952.	1.9	10
24	Fixed-time Consensus Tracking for Second-order Leader-follower Multi-agent Systems with Nonlinear Dynamics Under Directed Topology. International Journal of Control, Automation and Systems, 2021, 19, 2697-2705.	1.6	10
25	Coordinated orbit-tracking control of second-order non-linear agents with directed communication topologies. International Journal of Systems Science, 2016, 47, 3929-3939.	3.7	9
26	Distributed adaptive observer-based output formation-containment control for heterogeneous multi-agent systems with unknown inputs. IET Control Theory and Applications, 2020, 14, 2205-2212.	1.2	8
27	Finite-time tracking control for nonaffine nonlinear pure-feedback systems with a prescribed performance. International Journal of Robust and Nonlinear Control, 2022, 32, 2212-2232.	2.1	7
28	Fully distributed spherical formation tracking control for nonlinear vehicles with spatiotemporal uncertainties and digraphs. Nonlinear Dynamics, 2020, 101, 997-1013.	2.7	6
29	Cooperative control of multi-agent moving along a set of given curves. Journal of Systems Science and Complexity, 2011, 24, 631-646.	1.6	5
30	Distributed fixed-time average-tracking for multi-agent systems with mismatched and matched disturbances. Transactions of the Institute of Measurement and Control, 0, , 014233122210837.	1.1	5
31	Robust flocking of multiple intelligent agents with multiple disturbances. International Journal of Intelligent Systems, 2022, 37, 7571-7583.	3.3	5
32	Sliding mode control of concomitant satellites' formation tracking via STK. , 2014, , .		4
33	A geometric extension design for second-order nonlinear agents formation surrounding a sphere. , 2016, , .		4
34	Coordinated adaptive control for formation flying vehicles with a time-varying orbital velocity. , 2013, , .		3
35	Spherical formation tracking control of second-order nonlinear agents with directed communication. , 2016, , .		3
36	Deep Reinforcement Learning Algorithms for Multiple Arc-Welding Robots. Frontiers in Control Engineering, 2021, 2, .	0.4	3

#	ARTICLE	IF	CITATIONS
37	Discrete-time formation tracking control for first-order agents along skewed superellipses. Journal of the Franklin Institute, 2022, 359, 3148-3163.	1.9	3
38	Coordinated Closed-Curve Path Following Control of Multi-Unicycle in a Time-Invariant Flow Field. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9643-9648.	0.4	2
39	Spherical formation tracking of non-holonomic vehicles in three-dimensional space. , 2017, , .		2
40	Distributed energy-efficient target tracking algorithm based on event-triggered strategy for sensor networks. IET Control Theory and Applications, 2019, 13, 1564-1570.	1.2	2
41	QMIX Algorithm for Coordinated Welding of Multiple Robots. , 2021, , .		2
42	Finite-time coordinated path-following control of leader-following multi-agent systems. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 1511-1521.	1.5	2
43	Cooperative adaptive flow estimation for spherical formation tracking control with directed communication. , 2017, , .		1
44	Robust Spherical Formation Tracking Control of First-order Agents with An Adaptive Neural Flow Estimate. , 2018, , .		1
45	Finite-time control of spherical formation tracking of first-order UAVs. , 2021, , .		1
46	Spherical Orbit Tracking and Formation Flying for Nonholonomic Aircraft-Like Vehicles With Directed Interactions and Unknown Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5362-5367.	5.9	1
47	Finite-time Coordinated Path-following Control along Convex Loops of Multi-agents with Input Saturation. , 2020, , .		1
48	Spherical Formation Tracking Control of Spacecraft Flying Under Directed Communication Topology and External Disturbance. , 2020, , .		1
49	Coordinated patterns of underactuated ships along closed orbits. , 2014, , .		0
50	Coordinated flowfield adaptive estimation for spherical formation tracking motion. , 2016, , .		0
51	Coordinated adaptive flowfield estimation for second-order agents formation tracking given orbits. , 2016, , .		0
52	Local super-ellipsoid formation tracking control for first-order agents with an unknown moving target. , 2017, , .		0
53	Spherical Formation Tracking Control of Nonholonomic Vehicles in a Time-invariant Flow Field. , 2018, , .		0
54	Spherical formation flight of UAVs with bidirectional communication delays. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	Formation Circling Control of Detect-Pursuing Structure with an Uncertain Dynamic Target. , 2019, , .		0
56	Formation Tracking Control with Adaptive Neural Networks Estimation. , 2020, , .		0
57	Intermittent Formation Control of Multi-agent Systems under Strongly Connected Communication Topologies. , 2020, , .		0
58	Corrections to “Practical Fixed-Time Consensus Tracking for Multiple Euler-Lagrange Systems With Stochastic Packet Losses and Input/Output Constraints” [2021 DOI: 10.1109/JSYST.2021.3112720]. IEEE Systems Journal, 2022, 16, 1709-1709.	2.9	0