

# Chaoyong Li

## List of Publications by Year in descending order

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85  
papers

1,364  
citations

361045

20  
h-index

360668

35  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Adaptive Iterative Learning Control for Discrete-Time Nonlinear Systems With Time-Iteration-Varying Parameters. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1737-1745.	5.9	105
2	Distributed finite-time consensus of nonlinear systems under switching topologies. Automatica, 2014, 50, 1626-1631.	3.0	96
3	Adaptive backstepping-based flight control system using integral filters. Aerospace Science and Technology, 2009, 13, 105-113.	2.5	95
4	A survey on moving mass control technology. Aerospace Science and Technology, 2018, 82-83, 594-606.	2.5	88
5	A FDI Attack-Resilient Distributed Secondary Control Strategy for Islanded Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 1929-1938.	6.2	76
6	Attitude control of rigid spacecraft with predefined-time stability. Journal of the Franklin Institute, 2020, 357, 4212-4221.	1.9	62
7	A general memristor-based pulse coupled neural network with variable linking coefficient for multi-focus image fusion. Neurocomputing, 2018, 308, 172-183.	3.5	60
8	Cooperative control of high-order nonlinear systems with unknown control directions. Systems and Control Letters, 2018, 113, 101-108.	1.3	50
9	Distributed estimation of algebraic connectivity of directed networks. Systems and Control Letters, 2013, 62, 517-524.	1.3	41
10	Cooperative control with distributed gain adaptation and connectivity estimation for directed networks. International Journal of Robust and Nonlinear Control, 2014, 24, 450-476.	2.1	41
11	Adaptive control of underactuated flight vehicles with moving mass. Aerospace Science and Technology, 2019, 85, 75-84.	2.5	40
12	Distributed Game Strategy for Formation Flying of Multiple Spacecraft With Disturbance Rejection. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 119-128.	2.6	34
13	Distributed extremum seeking and formation control for nonholonomic mobile network. Systems and Control Letters, 2015, 75, 27-34.	1.3	31
14	Distributed Kalman filtering for sensor network with balanced topology. Systems and Control Letters, 2019, 131, 104500.	1.3	27
15	Fuzzy PID controller for 2D differential geometric guidance and control problem. IET Control Theory and Applications, 2007, 1, 564-571.	1.2	26
16	Enhanced protection against false data injection by dynamically changing information structure of microgrids. , 2012, , .		26
17	Distributed Estimation and Secondary Control of Autonomous Microgrid. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	25
18	Distributed formation control with open-loop Nash strategy. Automatica, 2019, 106, 266-273.	3.0	25

#	ARTICLE	IF	CITATIONS
19	Gain-Varying Guidance Algorithm using Differential Geometric Guidance Command. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 725-736.	2.6	23
20	Entry Trajectory Optimization With Virtual Motion Camouflage Principle. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2527-2536.	2.6	23
21	Distributed Event-Triggered Secondary Control for Islanded Microgrids With Proper Trigger Condition Checking Period. IEEE Transactions on Smart Grid, 2022, 13, 837-848.	6.2	23
22	Geometric approach to capture analysis of PN guidance law. Aerospace Science and Technology, 2008, 12, 177-183.	2.5	22
23	Iterative solution to differential geometric guidance problem. Aircraft Engineering and Aerospace Technology, 2006, 78, 415-425.	0.8	18
24	Automatic Scheduling for Earth Observation Satellite With Temporal Specifications. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3162-3169.	2.6	18
25	Sun- $\epsilon$ -Earth-Moon autonomous orbit determination for quasi-periodic orbit about the translunar libration point and its observability analysis. Aerospace Science and Technology, 2013, 28, 289-296.	2.5	17
26	Distributed finite-time estimation of the bounds on algebraic connectivity for directed graphs. Automatica, 2019, 107, 289-295.	3.0	17
27	Reinforcement learning strategy for spacecraft attitude hyperagile tracking control with uncertainties. Aerospace Science and Technology, 2021, 119, 107126.	2.5	17
28	Mission planning for Earth observation satellite with competitive learning strategy. Aerospace Science and Technology, 2021, 118, 107047.	2.5	17
29	An optimal task management and control scheme for military operations with dynamic game strategy. Aerospace Science and Technology, 2021, 115, 106815.	2.5	16
30	Multiple Memristor Circuit Parametric Fault Diagnosis Using Feedback-Control Doublet Generator. IEEE Access, 2016, 4, 2604-2614.	2.6	15
31	Resilient consensus of multi-agent systems against malicious data injections. Journal of the Franklin Institute, 2020, 357, 2217-2231.	1.9	13
32	Distributed extremum seeking and cooperative control for mobile communication. , 2011, , .		12
33	A New Parameterized Guidance Law for Cooperative Air Defense. , 2012, , .		12
34	A Novel Approach to the 2D Differential Geometric Guidance Problem. Transactions of the Japan Society for Aeronautical and Space Sciences, 2007, 50, 34-40.	0.4	12
35	Time-shared scheme design for attitude control system during space separation. Aerospace Science and Technology, 2011, 15, 108-116.	2.5	9
36	A distributed coverage algorithm for multi-UAV with average Voronoi partition. , 2017, , .		8

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37	Distributed multi-step subgradient optimization for multi-agent system. Systems and Control Letters, 2019, 128, 26-33.	1.3	8
38	Continuous-time distributed Nash strategy over switching topologies with gain adaptation. Systems and Control Letters, 2021, 153, 104955.	1.3	8
39	Adaptive parameter identification based nadir-pointing control of spacecraft with misaligned rotational component. Acta Astronautica, 2020, 173, 202-211.	1.7	7
40	Sample data game strategy for active rendezvous with disturbance rejection. Aerospace Science and Technology, 2022, 121, 107358.	2.5	7
41	Application of PID controller to 2D differential geometric guidance problem. Journal of Control Theory and Applications, 2007, 5, 285-290.	0.8	6
42	Game theory-based optimal deloading control of wind turbines under scalable structures of wind farm. IET Cyber-Physical Systems: Theory and Applications, 2018, 3, 224-231.	1.9	6
43	An Improved Faster R-CNN for Devices Detection in Railway 4C System. , 2019, , .		6
44	Vision-based crater and rock detection using a cascade decision forest. IET Computer Vision, 2019, 13, 549-555.	1.3	6
45	New Results on Three-dimensional Differential Geometric Guidance and Control Problem. , 2006, , .		5
46	Nonlinear optimal control with disturbance rejection for asteroid landing. Journal of the Franklin Institute, 2018, 355, 8027-8048.	1.9	5
47	Progressive Image Retrieval With Quality Guarantee Under MapReduce Framework. IEEE Access, 2018, 6, 44685-44697.	2.6	5
48	Dynamic average consensus with topology balancing under a directed graph. International Journal of Robust and Nonlinear Control, 2019, 29, 3014-3026.	2.1	5
49	Decentralized cooperative control for multivehicle formation without velocity measurement. , 2009, , .		4
50	Attitude recovery scheme of magnetically controlled satellite with constant thrust. Aerospace Science and Technology, 2019, 93, 105308.	2.5	4
51	COOPERATIVE ATTITUDE SYNCHRONIZATION FOR RIGID-BODY SPACECRAFT VIA VARYING COMMUNICATION TOPOLOGY. International Journal of Robotics and Automation, 2011, 26, .	0.1	4
52	Development of flight control system for 2D differential geometric guidance and control problem. Aircraft Engineering and Aerospace Technology, 2007, 79, 60-68.	0.8	3
53	Distributed QoS awareness in satellite communication network with optimal routing (QuASOR). , 2014, , .		3
54	A Holistic Vision-based Hazard Detection Framework for Asteroid Landings. IFAC-PapersOnLine, 2016, 49, 218-223.	0.5	3

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55	Analysis of 3D Geometric Guidance Problem. Transactions of the Japan Society for Aeronautical and Space Sciences, 2008, 51, 124-129.	0.4	3
56	An Improved Defect Detection Method for Substation Equipment. , 2020, , .		3
57	Cooperative control with improvable network connectivity. , 2010, , .		2
58	UAVs cooperative attack based on archimedes spiral. , 2017, , .		2
59	Source seeking of UAV via adaptive extremum seeking without steady-state oscillation. , 2017, , .		2
60	Distributed Dynamic Averaging Tracking Without Rate Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4359-4364.	5.9	2
61	Lightweight implementation of natural vibration frequency adjustment of satellite structures by varying the structural stiffness. Aerospace Science and Technology, 2021, 118, 107061.	2.5	2
62	Voltage regulation and current sharing for multi-bus DC microgrids. IFAC-PapersOnLine, 2020, 53, 13018-13023.	0.5	2
63	Application of PID Controller to 2D Differential Geometric Guidance and Control Problem. , 2006, , .		1
64	Analytical Solution to 3D Differential Geometric Guidance Problem. , 0, , .		1
65	Application of 2D Differential Geometric Guidance to Tactical Missile Interception. , 0, , .		1
66	Cooperative control based on distributed estimation of network connectivity. , 2011, , .		1
67	Direct learning control of trajectories subject to high-order internal model for a class of continuous-time linear systems. , 2017, , .		1
68	ADRC-based Longitudinal Control for Novel Flight Vehicle with Moving Mass. , 2018, , .		1
69	Source Seeking of Multi-UAV with Obstacle Avoidance. , 2018, , .		1
70	Optimal Dynamic Average Consensus of Multi-Agent Systems. IFAC-PapersOnLine, 2019, 52, 179-183.	0.5	1
71	Adaptive Control of Novel Configuration with Moving Mass. IFAC-PapersOnLine, 2019, 52, 508-513.	0.5	1
72	Time-optimal Path Planning for Autonomous Vehicles Based on Bi-Level Programming. , 2020, , .		1

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73	Distributed Spectrum Cartography for Cognitive Radio Network with Convex Optimization. , 2021, , .		1
74	Iterative Solution to Three-dimensional Differential Geometric Guidance Problem. , 0, , .		0
75	Attitude recovery for microsatellite via magnetic torque. , 2009, , .		0
76	Attitude control for flexible spacecraft with swinging components. , 2017, , .		0
77	Output synchronization of multiple FOSMIB power systems. , 2017, , .		0
78	Chaos synchronization for uncertain fractional order chaotic systems based on Mittag-Leffler fractional sliding mode control. , 2017, , .		0
79	Formation Control of Multi-UAV Systems using Zeroing Dynamics Method. , 2017, , .		0
80	Cooperative extremum seeking for power availability detection of photovoltaic cluster. , 2017, , .		0
81	An iteration-varying dead-zone based robust adaptive ILC for discrete-time nonlinear systems with uncertainties. , 2017, , .		0
82	Distributed Emergency Power Dispatch based on Averaged Voronoi Partition. , 2017, , .		0
83	A Multi-agent Formation Control Algorithm in Interference Environment. , 2018, , .		0
84	Performance Evaluation of Multiple Missiles Based on Information Entropy and IAHP. , 2021, , .		0
85	Cooperative Tracking of Hypersonic Target with Bearing-Only Measurements. , 2021, , .		0