

# Hyo-Sung Ahn

## List of Publications by Year in descending order

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324  
papers

8,764  
citations

101543

36  
h-index

51608

86  
g-index

328  
all docs

328  
docs citations

328  
times ranked

4625  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of multi-agent formation control. <i>Automatica</i> , 2015, 53, 424-440.	5.0	1,730
2	Iterative Learning Control: Brief Survey and Categorization. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2007, 37, 1099-1121.	2.9	1,268
3	Nonlinear Control of Quadrotor for Point Tracking: Actual Implementation and Experimental Tests. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 1179-1192.	5.8	286
4	Necessary and sufficient stability condition of fractional-order interval linear systems. <i>Automatica</i> , 2008, 44, 2985-2988.	5.0	211
5	Formation control of mobile agents based on inter-agent distance dynamics. <i>Automatica</i> , 2011, 47, 2306-2312.	5.0	202
6	Robust stability check of fractional order linear time invariant systems with interval uncertainties. <i>Signal Processing</i> , 2006, 86, 2611-2618.	3.7	180
7	Robust stability test of a class of linear time-invariant interval fractional-order system using Lyapunov inequality. <i>Applied Mathematics and Computation</i> , 2007, 187, 27-34.	2.2	169
8	Distance-based undirected formations of single-integrator and double-integrator modeled agents in $n$ -dimensional space. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 1809-1820.	3.7	165
9	Formation Control and Network Localization via Orientation Alignment. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 540-545.	5.7	152
10	Fractional-order iterative learning control for fractional-order linear systems. <i>Asian Journal of Control</i> , 2011, 13, 54-63.	3.0	137
11	Trajectory-keeping in satellite formation flying via robust periodic learning control. <i>International Journal of Robust and Nonlinear Control</i> , 2010, 20, 1655-1666.	3.7	117
12	Stability analysis of discrete-time iterative learning control systems with interval uncertainty. <i>Automatica</i> , 2007, 43, 892-902.	5.0	111
13	Environmental-Adaptive RSSI-Based Indoor Localization. <i>IEEE Transactions on Automation Science and Engineering</i> , 2009, 6, 626-633.	5.2	110
14	Robust controllability of interval fractional order linear time invariant systems. <i>Signal Processing</i> , 2006, 86, 2794-2802.	3.7	109
15	Stability and Stabilization of Fractional-Order Linear Systems Subject to Input Saturation. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 1062-1067.	5.7	107
16	Formation Control of Mobile Agents Based on Distributed Position Estimation. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 737-742.	5.7	99
17	Fractional order robust control for cogging effect compensation in PMSM position servo systems: Stability analysis and experiments. <i>Control Engineering Practice</i> , 2010, 18, 1022-1036.	5.5	88
18	Iterative Learning Control: A Tutorial and Big Picture View. , 2006, , .		84

#	ARTICLE	IF	CITATIONS
19	Iterative learning control in optimal tracking problems with specified data points. <i>Automatica</i> , 2013, 49, 1465-1472.	5.0	82
20	State-periodic adaptive compensation of cogging and Coulomb friction in permanent-magnet linear motors. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 90-98.	2.1	78
21	Design and Realization of Distributed Adaptive Formation Control Law for Multi-Agent Systems With Moving Leader. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 1268-1279.	7.9	78
22	Matrix-weighted consensus and its applications. <i>Automatica</i> , 2018, 89, 415-419.	5.0	73
23	Distributed formation control via global orientation estimation. <i>Automatica</i> , 2016, 73, 125-129.	5.0	67
24	Distributed stabilization control of rigid formations with prescribed orientation. <i>Automatica</i> , 2017, 78, 250-257.	5.0	67
25	A Survey on Fractional-Order Iterative Learning Control. <i>Journal of Optimization Theory and Applications</i> , 2013, 156, 127-140.	1.5	63
26	Simple Pedestrian Localization Algorithms Based on Distributed Wireless Sensor Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2009, 56, 4296-4302.	7.9	59
27	Finite-Time Bearing-Only Formation Control via Distributed Global Orientation Estimation. <i>IEEE Transactions on Control of Network Systems</i> , 2019, 6, 702-712.	3.7	57
28	Fast alignment using rotation vector and adaptive Kalman filter. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2006, 42, 70-83.	4.7	56
29	Special issue on "iterative learning control". <i>Asian Journal of Control</i> , 2011, 13, 1-2.	3.0	50
30	Iteration domain $H^\infty$ -optimal iterative learning controller design. <i>International Journal of Robust and Nonlinear Control</i> , 2008, 18, 1001-1017.	3.7	47
31	Rigid formation control of double-integrator systems. <i>International Journal of Control</i> , 2017, 90, 1403-1419.	1.9	43
32	Bearing-Based Formation Control of A Group of Agents with Leader-First Follower Structure. <i>IEEE Transactions on Automatic Control</i> , 2018, , 1-1.	5.7	42
33	Disturbance Attenuation in a Consensus Network of Identical Linear Systems: An $H_\infty$ Approach. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 2164-2169.	5.7	39
34	Distance-Based Cycle-Free Persistent Formation: Global Convergence and Experimental Test With a Group of Quadcopters. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 380-389.	7.9	38
35	Initialization-free privacy-guaranteed distributed algorithm for economic dispatch problem. <i>Automatica</i> , 2019, 102, 86-93.	5.0	38
36	Discrete-Time $H_\infty$ Filtering for Mobile Robot Localization Using Wireless Sensor Network. <i>IEEE Sensors Journal</i> , 2013, 13, 245-252.	4.7	37

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37	Monotonic Convergent Iterative Learning Controller Design Based on Interval Model Conversion. IEEE Transactions on Automatic Control, 2006, 51, 366-371.	5.7	36
38	A design of bilateral teleoperation systems using composite adaptive controller. Control Engineering Practice, 2013, 21, 1641-1652.	5.5	36
39	Distance-based formation control with a single moving leader. , 2014, , .		36
40	Distributed Coordination and Control for a Freeway Traffic Network Using Consensus Algorithms. IEEE Systems Journal, 2016, 10, 162-168.	4.6	36
41	Distributed Coordination for Optimal Energy Generation and Distribution in Cyber-Physical Energy Networks. IEEE Transactions on Cybernetics, 2018, 48, 941-954.	9.5	35
42	Continuous-time opinion dynamics on multiple interdependent topics. Automatica, 2020, 115, 108884.	5.0	35
43	Robust tracking control of bearing-constrained leader-follower formation. Automatica, 2021, 131, 109733.	5.0	34
44	Fractional-order integral and derivative controller for temperature profile tracking. Sadhana - Academy Proceedings in Engineering Sciences, 2009, 34, 833-850.	1.3	33
45	Distance-based control of cycle-free persistent formations. , 2011, , .		32
46	Fault detection and isolation for a small CMG-based satellite: A fuzzy Q-learning approach. Aerospace Science and Technology, 2015, 47, 340-355.	4.8	32
47	DGPS/IMU integration-based geolocation system: Airborne experimental test results. Aerospace Science and Technology, 2009, 13, 316-324.	4.8	30
48	A survey on multi-agent reinforcement learning: Coordination problems. , 2010, , .		29
49	Formation Control. Studies in Systems, Decision and Control, 2020, , .	1.0	29
50	Distance-Based Formation Control With Bounded Disturbances. , 2021, 5, 451-456.		29
51	Nonlinear Orbital Dynamic Equations and State-Dependent Riccati Equation Control of Formation Flying Satellites. Journal of the Astronautical Sciences, 2003, 51, 433-449.	1.5	28
52	Stability analysis on four agent tetrahedral formations. , 2014, , .		28
53	Coordination and control for energy distribution in distributed grid networks: Theory and application to power dispatch problem. Control Engineering Practice, 2015, 43, 21-38.	5.5	28
54	Consensus Under Saturation Constraints in Interconnection States. IEEE Transactions on Automatic Control, 2015, 60, 3053-3058.	5.7	28

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55	Formation stabilization and resizing based on the control of inter-agent distances. International Journal of Robust and Nonlinear Control, 2015, 25, 2532-2546.	3.7	28
56	A Circuit Design for Ranging Measurement Using Chirp Spread Spectrum Waveform. IEEE Sensors Journal, 2010, 10, 1774-1778.	4.7	27
57	Terminal iterative learning control with multiple intermediate pass points. , 2011, , .		27
58	Robustly stable bilateral teleoperation under time-varying delays and data losses: an energy-bounding approach. Journal of Mechanical Science and Technology, 2011, 25, 2089-2100.	1.5	27
59	Fractional Order Periodic Adaptive Learning Compensation for State-Dependent Periodic Disturbance. IEEE Transactions on Control Systems Technology, 2012, 20, 465-472.	5.2	27
60	Formations on directed cycles with bearing-only measurements. International Journal of Robust and Nonlinear Control, 2018, 28, 1074-1096.	3.7	27
61	Leader-follower type distance-based formation control of a group of autonomous agents. International Journal of Control, Automation and Systems, 2017, 15, 1738-1745.	2.7	26
62	Distance-Based Control of $\mathcal{K}_n$ Formations in General Space With Almost Global Convergence. IEEE Transactions on Automatic Control, 2018, 63, 2678-2685.	5.7	26
63	Decentralized control of nonlinear interconnected systems under both amplitude and rate saturations. Automatica, 2013, 49, 2551-2555.	5.0	25
64	Distributed Robust Adaptive Gradient Controller in Distance-Based Formation Control With Exogenous Disturbance. IEEE Transactions on Automatic Control, 2021, 66, 2868-2874.	5.7	25
65	Unknown Input H <sub>∞</sub> Observer-Based Localization of a Mobile Robot With Sensor Failure. IEEE/ASME Transactions on Mechatronics, 2014, 19, 1830-1838.	5.8	22
66	Controller designs for bilateral teleoperation with input saturation. Control Engineering Practice, 2014, 33, 35-47.	5.5	22
67	Consensus-Based Coordination and Control for Building Automation Systems. IEEE Transactions on Control Systems Technology, 2015, 23, 364-371.	5.2	22
68	A generalized fractional-order iterative learning control. , 2011, , .		21
69	Leader-follower type relative position keeping in satellite formation flying via robust exponential stabilization. International Journal of Robust and Nonlinear Control, 2012, 22, 2084-2099.	3.7	20
70	Design and control of tele-matched surgery robot. Mechatronics, 2014, 24, 395-406.	3.3	20
71	Design and Implementation of a Ubiquitous Robotic Space. IEEE Transactions on Automation Science and Engineering, 2009, 6, 633-640.	5.2	19
72	Stability analysis of spatially interconnected discrete-time systems with random delays and structured uncertainties. Journal of the Franklin Institute, 2013, 350, 1719-1738.	3.4	19

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73	Guidance using bearing-only measurements with three beacons in the plane. Control Engineering Practice, 2016, 51, 81-91.	5.5	19
74	Distributed Coordination Control and Industrial Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 4967-4971.	7.9	19
75	Distributed Formation Control of Mobile Agents via Global Orientation Estimation. IEEE Transactions on Control of Network Systems, 2020, 7, 1654-1664.	3.7	19
76	Gyroless Attitude Estimation of Sun-Pointing Satellites Using Magnetometers. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 8-12.	3.1	18
77	Intermittent iterative learning control. , 2006, , .		18
78	A survey of formation of mobile agents. , 2010, , .		18
79	An Optimal Satellite Antenna Profile Using Reinforcement Learning. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 393-406.	2.9	18
80	Distributed estimation for the unknown orientation of the local reference frames in N-dimensional space. , 2016, , .		18
81	Distributed Orientation Estimation in SO( $\mathbb{S}^3$ ) and Applications to Formation Control and Network Localization. IEEE Transactions on Control of Network Systems, 2019, 6, 1302-1312.	3.7	18
82	Synchronization of bilateral teleoperation systems with input saturation. , 2010, , .		18
83	Consensus of positive real systems cascaded with a single integrator. International Journal of Robust and Nonlinear Control, 2015, 25, 418-429.	3.7	17
84	Opinion Dynamics With Cross-Coupling Topics: Modeling and Analysis. IEEE Transactions on Computational Social Systems, 2020, 7, 632-647.	4.4	17
85	Discrete-Time Matrix-Weighted Consensus. IEEE Transactions on Control of Network Systems, 2021, 8, 1568-1578.	3.7	17
86	Synchronization of bilateral teleoperation systems using state and force observer. , 2010, , .		16
87	Sensorless torque estimation using adaptive Kalman filter and disturbance estimator. , 2010, , .		16
88	Dynamic high order periodic adaptive learning compensator for cogging effect in permanent magnet synchronous motor servo system. IET Control Theory and Applications, 2011, 5, 669-680.	2.1	16
89	Comments on "Global stabilization of rigid formations in the plane [Automatica 49 (2013) 1436-1441]" Automatica, 2017, 77, 393-396.	5.0	16
90	Finite-Time Bearing-Based Maneuver of Acyclic Leader-Follower Formations. , 2022, 6, 1004-1009.		16

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91	Exact Maximum Singular Value Calculation of an Interval Matrix. IEEE Transactions on Automatic Control, 2007, 52, 510-514.	5.7	15
92	Stability analysis of linear systems under state and rate saturations. Automatica, 2013, 49, 496-502.	5.0	15
93	Realization of swarm formation flying and optimal trajectory generation for multi-drone performance show. , 2016, , .		15
94	Laman graphs are generically bearing rigid in arbitrary dimensions. , 2017, , .		15
95	State-dependent friction force compensation using periodic adaptive learning control. Mechatronics, 2009, 19, 896-904.	3.3	14
96	Analogue input shaper for haptic interfaces. IET Control Theory and Applications, 2009, 3, 1553-1564.	2.1	14
97	Formation control of mobile agents without an initial common sense of orientation. , 2012, , .		13
98	Iterative learning control for spatially interconnected systems. Applied Mathematics and Computation, 2014, 237, 438-445.	2.2	13
99	Matrix-weighted consensus with leader-following topologies. , 2017, , .		13
100	Shape and orientation control of moving formation in multi-agent systems without global reference frame. Automatica, 2018, 92, 210-216.	5.0	13
101	Algebraic $H_\infty$ Design of Higher-Order Iterative Learning Controllers. , 0, , .		12
102	Distance-based control of K4 formation with almost global convergence. , 2016, , .		12
103	Distributed Orientation Localization of Multi-agent Systems in 3-dimensional Space with Direction-only Measurements. , 2018, , .		12
104	Multi-agent coordination over local indexes via clique-based distributed assignment. Automatica, 2020, 112, 108670.	5.0	12
105	Pose localization of leader-follower networks with direction measurements. Automatica, 2020, 120, 109125.	5.0	12
106	Multi-agent coordination by iterative learning control: Centralized and decentralized strategies. , 2011, , .		11
107	Modified gradient control for acyclic minimally persistent formations to escape from collinear position. , 2012, , .		11
108	An interval Kalman filtering with minimal conservatism. Applied Mathematics and Computation, 2012, 218, 9563-9570.	2.2	11

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109	Relative position keeping in satellite formation flying with input saturation. Journal of the Franklin Institute, 2014, 351, 1112-1129.	3.4	11
110	Bearing-Only Control of Leader First Follower Formations**This work was supported by the National Research Foundation of Korea under Grant NRF-2015M2A8A4049953.. IFAC-PapersOnLine, 2016, 49, 7-12.	0.9	11
111	Consensus With Output Saturations. IEEE Transactions on Automatic Control, 2017, 62, 5388-5395.	5.7	11
112	Rigidity of distance-based formations with additional subtended-angle constraints. , 2017, , .		11
113	Semiglobal consensus of heterogeneous multiagent systems with input saturations. International Journal of Robust and Nonlinear Control, 2018, 28, 5652-5664.	3.7	11
114	Pointing Consensus and Bearing-Based Solutions to the Fermatâ€™Weber Location Problem. IEEE Transactions on Automatic Control, 2020, 65, 2339-2354.	5.7	11
115	Minimal and Redundant Bearing Rigidity: Conditions and Applications. IEEE Transactions on Automatic Control, 2020, 65, 4186-4200.	5.7	11
116	Bearingâ€™only control of directed cycle formations: Almost global convergence and hardware implementation. International Journal of Robust and Nonlinear Control, 2020, 30, 4789-4804.	3.7	11
117	Fractional-order integral and derivative controller design for temperature profile control. , 2008, , .		10
118	H âˆž and Sliding Mode Observers for Linear Time-Invariant Fractional-Order Dynamic Systems With Initial Memory Effect. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	1.6	10
119	Fractional order iterative learning control for fractional order system with unknown initialization. , 2014, , .		10
120	Unknown Input Observer-Based Filterings for Mobile Pedestrian Localization Using Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 2590-2600.	4.7	10
121	Extended Kalman filter with multi-frequency reference data for quadrotor navigation. , 2015, , .		10
122	The Fermatâ€™Weber location problem in single integrator dynamics using only local bearing angles. Automatica, 2015, 59, 90-96.	5.0	10
123	Infinitesimal Weak Rigidity and Stability Analysis on Three-Agent Formations. , 2018, , .		10
124	Distributed Formation Control based on Orientation Alignment and Position Estimation. International Journal of Control, Automation and Systems, 2018, 16, 1112-1119.	2.7	10
125	Robust stability condition of an uncertain networked system with delayed data dropout in both forward and feedback channels. , 2006, , .		9
126	Wireless Localization Network for Ubiquitous Robotic Space: Approaches and Experimental Test. , 2007, , .		9



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127	Stability of discrete-time iterative learning control with random data dropouts and delayed controlled signals in networked control systems. , 2008, , .		9
128	Passivity-based output synchronisation of port-controlled Hamiltonian and general linear interconnected systems. IET Control Theory and Applications, 2013, 7, 234-245.	2.1	9
129	Formation Coordination for the Propagation of a Group of Mobile Agents via Self-Mobile Localization. IEEE Systems Journal, 2015, 9, 1285-1298.	4.6	9
130	Distance-based acyclic minimally persistent formations with non-steepest descent control. International Journal of Control, Automation and Systems, 2016, 14, 163-173.	2.7	9
131	Wireless Localization Networks for Indoor Service Robots. , 2008, , .		8
132	Three-axis attitude determination using incomplete vector observations. Acta Astronautica, 2009, 65, 1089-1093.	3.2	8
133	On the PD <sup>+</sup> -type iterative learning control for the fractional-order nonlinear systems. , 2011, , .		8
134	Finite-time convergence control for acyclic persistent formations. , 2014, , .		8
135	Non-Trivial Output Synchronization of Heterogeneous Passive Systems. IEEE Transactions on Automatic Control, 2015, 60, 3322-3327.	5.7	8
136	Stabilisation of directed cycle formations and application to two-wheeled mobile robots. IET Control Theory and Applications, 2015, 9, 1338-1346.	2.1	8
137	A Robot Learns How to Entice an Insect. IEEE Intelligent Systems, 2015, 30, 54-63.	4.0	8
138	Disturbance Attenuation in Distance-Based Formation Control: A Linear Matrix Inequality Approach. , 2018, , .		8
139	Bearing-Based Formation Control and Network Localization via Global Orientation Estimation. , 2018, , .		8
140	Free-will arbitrary time consensus protocols with diffusive coupling. International Journal of Robust and Nonlinear Control, 2022, 32, 8711-8731.	3.7	8
141	Slowly varying bias correction of magnetometer based on orbit geometry. IEEE Transactions on Aerospace and Electronic Systems, 2004, 40, 1020-1030.	4.7	7
142	Round-trip time-based wireless positioning without time synchronization. , 2007, , .		7
143	Conservatism-free Robust Stability Check of Fractional-order Interval Linear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 15256-15261.	0.4	7
144	Command coordination in multi-agent formation: Euclidean distance matrix approaches. , 2010, , .		7

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145	Distance-based formation control using euclidean distance dynamics matrix: Three-agent case. , 2011, , .		7
146	Environmental-Adaptive Bias Calibration in Wireless Localization. IEEE Communications Letters, 2013, 17, 717-720.	4.1	7
147	On P-type fractional order iterative learning identification. , 2013, , .		7
148	Exponential stabilization of infinitesimally rigid formations. , 2014, , .		7
149	Bio-insect and artificial robot interaction: learning mechanism and experiment. Soft Computing, 2014, 18, 1127-1141.	3.6	7
150	Distance-based control of formations with orientation control. , 2015, , .		7
151	Further analysis on graph rigidity. , 2016, , .		7
152	Distributed coordination and control of multiple photovoltaic generators for power distribution in a microgrid. Automatica, 2016, 73, 193-199.	5.0	7
153	Realization of distributed formation flying using a group of autonomous quadcopters and application to visual performance show. , 2016, , .		7
154	Generalized weak rigidity: Theory, and local and global convergence of formations. Systems and Control Letters, 2020, 146, 104800.	2.3	7
155	From Matrix-Weighted Consensus to Multipartite Average Consensus. IEEE Transactions on Control of Network Systems, 2020, 7, 1609-1620.	3.7	7
156	Distributed formation control of the special Euclidean group SE(2) via global orientation control. IET Control Theory and Applications, 2020, 14, 1393-1399.	2.1	7
157	Distributed Computation of Graph Matching in Multi-Agent Networks. , 2020, , .		7
158	Time Periodical Adaptive Friction Compensation. , 0, , .		6
159	Schur stability radius bounds for robust iterative learning controller design. , 0, , .		6
160	A high order periodic adaptive learning compensator for cogging effect in PMSM position servo system. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	6
161	Formation coordination for self-mobile localization: Framework. , 2009, , .		6
162	Formation control of mobile agent groups based on localization. , 2011, , .		6

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163	Formation control of rigid bodies based on orientation alignment and position estimation. , 2014, , .		6
164	Finite-time bearing-only formation control. , 2017, , .		6
165	Consensus under misaligned orientations. , 2017, , .		6
166	A distributed control algorithm via saddle point dynamics for optimal resource allocation problem over networked systems. , 2017, , .		6
167	Fixed-time orientation estimation and network localisation of multi-agent systems. IET Control Theory and Applications, 2021, 15, 64-76.	2.1	6
168	Kalman filter-augmented iterative learning control on the iteration domain. , 2006, , .		5
169	LMI Approach to Iterative Learning Control Design. , 2006, , .		5
170	Adaptive Path-loss Model-based Indoor Localization. , 2008, , .		5
171	Periodic adaptive learning control for velocity-dependent disturbance compensation. , 2009, , .		5
172	Consensus of nonlinear system using feedback linearization. , 2010, , .		5
173	Control of a mobile agent using only bearing measurements in triangular region. , 2014, , .		5
174	Implementation of load transportation using multiple quadcopters. , 2017, , .		5
175	Formation control of rigid graphs with flex edges. International Journal of Robust and Nonlinear Control, 2018, 28, 2543-2559.	3.7	5
176	Fixed-time network localization based on bearing measurements. , 2020, , .		5
177	Prototype Development for the GMT FSM Secondary - Off-axis Aspheric Mirror Fabrication -. Journal of Astronomy and Space Sciences, 2014, 31, 341-346.	1.0	5
178	Distributed bearing-based formation control and network localization with exogenous disturbances. International Journal of Robust and Nonlinear Control, 2022, 32, 6556-6573.	3.7	5
179	State-periodic adaptive compensation of cogging and coulomb friction in permanent magnet linear motors. , 0, , .		4
180	Linear Independence of Interval Vectors and Its Applications to Robust Controllability Tests. , 0, , .		4

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181	Simultaneous Pedestrian and Robot Localization Technique in an Indoor Ubiquitous Robotic Space (URS). , 2007, , 3.		4
182	Cooperative Reinforcement Learning: Brief Survey and Application to Bio-insect and Artificial Robot Interaction. , 2008, , .		4
183	Simultaneous pedestrian and multiple mobile robots localization using distributed extended Kalman filter. , 2009, , .		4
184	Fractional order periodic adaptive learning compensation for cogging effect in PMSM position servo system. , 2009, , .		4
185	Iterative learning control for optimal multiple-point tracking. , 2011, , .		4
186	Power distribution with consensus. , 2012, , .		4
187	On the positive invariance of polyhedral sets in fractional-order linear systems. Automatica, 2013, 49, 3690-3694.	5.0	4
188	Control of undirected four-agent formations in 3-dimensional space. , 2013, , .		4
189	Bio-insect and artificial robot interaction using cooperative reinforcement learning. Applied Soft Computing Journal, 2014, 25, 322-335.	7.2	4
190	Distributed Coordination for Connectivity Adjustment of Linear Compartmental Systems. IEEE Transactions on Automatic Control, 2015, 60, 2231-2236.	5.7	4
191	Partial consensus of identical feedforward dynamic systems with input saturations. International Journal of Robust and Nonlinear Control, 2016, 26, 2494-2510.	3.7	4
192	A new bearing-only navigation law. , 2017, , .		4
193	Lennard-jones potential field-based swarm systems for aggregation and obstacle avoidance. , 2017, , .		4
194	Surrounding formation of star frameworks using bearing-only measurements. , 2018, , .		4
195	Bearing-based Formation Control via Distributed Position Estimation. , 2018, , .		4
196	Pointing consensus for rooted out-branching graphs. , 2018, , .		4
197	Consensus under biased alignment. Automatica, 2019, 110, 108605.	5.0	4
198	Leader-Follower Bearing-based Formation System with Exogenous Disturbance. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
199	Multi-agent Localization of A Common Reference Coordinate Frame: An Extrinsic Approach. IFAC-PapersOnLine, 2019, 52, 67-72.	0.9	4
200	Sign rigidity theory and application to formation specification control. Automatica, 2022, 141, 110291.	5.0	4
201	Design of dynamic periodic adaptive learning controller for long-term cogging effect compensation. , 2008, , .		3
202	Dual-high-order periodic adaptive learning compensation for state-dependant periodic disturbance. , 2008, , .		3
203	Distance-based sequential formation control of mobile agents by using motion primitives. , 2010, , .		3
204	Distance-based formation control using Euclidean distance dynamics matrix: General cases. , 2011, , .		3
205	Control of inter-agent distances in cyclic polygon formations. , 2012, , .		3
206	Nonholonomic control of distance-based cyclic polygon formation. , 2013, , .		3
207	Iterative learning control for trajectory tracking of tensegrity robot. , 2014, , .		3
208	Fractional-order iterative learning control and identification for fractional-order Hammerstein system. , 2014, , .		3
209	Generation of satellite tracking profile: Problems and validation algorithms. Advances in Space Research, 2014, 54, 1092-1107.	2.6	3
210	Robustness of discrete-time iterative learning control for networked control systems with data dropouts. , 2015, , .		3
211	A comparison of neural network-based methods for load forecasting with selected input candidates. , 2017, , .		3
212	Distance-based directed formation control in three-dimensional space. , 2017, , .		3
213	Index-free assignment formation of networked multi-agent systems. , 2018, , .		3
214	A Distributed Algorithm via Consensus and Saddle Point Dynamics for Economic Dispatch Problem in Energy Networked Systems. , 2018, , .		3
215	Finite-time convergence of acyclic generically persistent formations. , 2018, , .		3
216	Distributed bearing vector estimation in multi-agent networks. Automatica, 2020, 115, 108895.	5.0	3

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