Hyo-Sung Ahn

List of Publications by Year
in descending order

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	Distributed Optimization for Graph Matching. IEEE Transactions on Cybernetics, 2023, 53, 4815-4828.	9.5	1
2	Finite-Time Bearing-Based Maneuver of Acyclic Leader-Follower Formations. , 2022, 6, 1004-1009.		16
3	Sign rigidity theory and application to formation specification control. Automatica, 2022, 141, 110291.	5.0	4
4	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
5	Free€will arbitrary time consensus protocols with diffusive coupling. International Journal of Robust and Nonlinear Control, 2022, 32, 8711-8731.	3.7	8
6	Distance-Based Formation Control With Bounded Disturbances. , 2021, 5, 451-456.		29
7	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
8	Robust Voltage Stabilization Controller for Uncertain DC Microgrids. IEEE Access, 2021, 9, 99606-99616.	4.2	1
9	Discrete-Time Matrix-Weighted Consensus. IEEE Transactions on Control of Network Systems, 2021, 8, 1568-1578.	3.7	17
10	Robust tracking control of bearing-constrained leader€"follower formation. Automatica, 2021, 131, 109733.	5.0	34
11	Fixed€time orientation estimation and network localisation of multi€agent systems. IET Control Theory and Applications, 2021, 15, 64-76.	2.1	6
12	Tracking Control of Directed Acyclic Formation via Target Point Localization. Lecture Notes in Networks and Systems, 2021, , 839-845.	0.7	2
13	Convergence of Distance-based Formations in Case of Failure of Sensing Distances: Rigidity Theory Perspective. IFAC-PapersOnLine, 2021, 54, 394-399.	0.9	0
14	An Optimal Market Clearing Algorithm for Peer-to-Peer Energy Trading in Smart Grid. , 2021, , .		1
15	Preliminary Background. Studies in Systems, Decision and Control, 2020, , 3-26.	1.0	1
16	Moving Formation. Studies in Systems, Decision and Control, 2020, , 271-295.	1.0	0
17	K(n) Formation and Resizing. Studies in Systems, Decision and Control, 2020, , 297-319.	1.0	0
18	Network Localization. Studies in Systems, Decision and Control, 2020, , 321-337.	1.0	0

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19	Global Stabilization. Studies in Systems, Decision and Control, 2020, , 63-96.	1.0	0
20	Local Stabilization. Studies in Systems, Decision and Control, 2020, , 97-116.	1.0	0
21	Persistent Formations. Studies in Systems, Decision and Control, 2020, , 117-139.	1.0	0
22	Formation Control via Orientation Alignment. Studies in Systems, Decision and Control, 2020, , 143-164.	1.0	0
23	Formation Control via Orientation and Position Estimation. Studies in Systems, Decision and Control, 2020, , 165-183.	1.0	0
24	Formation Control via Global Orientation Alignment. Studies in Systems, Decision and Control, 2020, , 185-217.	1.0	0
25	Formation Control via Bearing Measurements. Studies in Systems, Decision and Control, 2020, , 221-254.	1.0	0
26	Formation Control. Studies in Systems, Decision and Control, 2020, , .	1.0	29
27	Pointing Consensus and Bearing-Based Solutions to the Fermatâ€"Weber Location Problem. IEEE Transactions on Automatic Control, 2020, 65, 2339-2354.	5.7	11
28	Multi-agent coordination over local indexes via clique-based distributed assignment. Automatica, 2020, 112, 108670.	5.0	12
29	Minimal and Redundant Bearing Rigidity: Conditions and Applications. IEEE Transactions on Automatic Control, 2020, 65, 4186-4200.	5.7	11
30	Pose localization of leaderâ€"follower networks with direction measurements. Automatica, 2020, 120, 109125.	5.0	12
31	Fixed-time network localization based on bearing measurements. , 2020, , .		5
32	Distributed Constrained Optimization over Networked Systems via A Singular Perturbation Method and Application to Economic Dispatch. , 2020, , .		2
33	Generalized weak rigidity: Theory, and local and global convergence of formations. Systems and Control Letters, 2020, 146, 104800.	2.3	7
34	From Matrix-Weighted Consensus to Multipartite Average Consensus. IEEE Transactions on Control of Network Systems, 2020, 7, 1609-1620.	3.7	7
35	Distributed Formation Control of Mobile Agents via Global Orientation Estimation. IEEE Transactions on Control of Network Systems, 2020, 7, 1654-1664.	3.7	19
36	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

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37	Opinion Dynamics With Cross-Coupling Topics: Modeling and Analysis. IEEE Transactions on Computational Social Systems, 2020, 7, 632-647.	4.4	17
38	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
39	Distributed bearing vector estimation in multi-agent networks. Automatica, 2020, 115, 108895.	5.0	3
40	Continuous-time opinion dynamics on multiple interdependent topics. Automatica, 2020, 115, 108884.	5.0	35
41	Distributed Computation of Graph Matching in Multi-Agent Networks. , 2020, , .		7
42	Hybrid rigidity theory with signed constraints and its application to formation shape control in 2-D space. , 2020, , .		3
43	Clusters in multi-leader directed consensus networks. , 2020, , .		1
44	Distance-based Formation Tracking with Unknown Bounded Reference Velocity. , 2020, , .		3
45	Consensus under biased alignment. Automatica, 2019, 110, 108605.	5.0	4
46	Initialization-free privacy-guaranteed distributed algorithm for economic dispatch problem. Automatica, 2019, 102, 86-93.	5.0	38
47	Leader-Follower Bearing-based Formation System with Exogenous Disturbance. , 2019, , .		4
48	Resource Allocation for Epidemic Network under Complications. , 2019, , .		2
49	Network‐based distributed direct load control guaranteeing fair welfare maximisation. IET Control Theory and Applications, 2019, 13, 2959-2968.	2.1	2
50	Distributed Cooperative Object Pose Estimation in Multi-Sensor Networks. , 2019, , .		1
51	Generalized Rigidity and Stability Analysis on Formation Control Systems with Multiple Agents. , 2019, , .		2
52	Almost Global Convergence on (d + 1)-Agent Formations Employing Narrow Weak Rigidity in the d-Dimensional Space. , 2019, , .		0
53	Topological Controllability of Undirected Networks of Diffusively-Coupled Agents. , 2019, , .		2
54	Distance-based Mobile Node Localization of Fixed Beacons Using RMS Prop. , 2019, , .		0

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55	Multi-agent Localization of A Common Reference Coordinate Frame: An Extrinsic Approach. IFAC-PapersOnLine, 2019, 52, 67-72.	0.9	4
56	Distributed Control for Group Assignment of Multi-agent Systems. , 2019, , .		0
57	Distributed Orientation Estimation in SO(d) and Applications to Formation Control and Network Localization. IEEE Transactions on Control of Network Systems, 2019, 6, 1302-1312.	3.7	18
58	Finite-Time Bearing-Only Formation Control via Distributed Global Orientation Estimation. IEEE Transactions on Control of Network Systems, 2019, 6, 702-712.	3.7	57
59	Distributed optimization algorithms for game of power generation in smart grid. Numerical Algebra, Control and Optimization, 2019, 9, 327-348.	1.6	3
60	Shape and orientation control of moving formation in multi-agent systems without global reference frame. Automatica, 2018, 92, 210-216.	5.0	13
61	Formation control of rigid graphs with flex edges. International Journal of Robust and Nonlinear Control, 2018, 28, 2543-2559.	3.7	5
62	Matrix-weighted consensus and its applications. Automatica, 2018, 89, 415-419.	5.0	73
63	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
64	Distributed Coordination for Optimal Energy Generation and Distribution in Cyber-Physical Energy Networks. IEEE Transactions on Cybernetics, 2018, 48, 941-954.	9.5	35
65	Formations on directed cycles with bearing€only measurements. International Journal of Robust and Nonlinear Control, 2018, 28, 1074-1096.	3.7	27
66	Surrounding formation of star frameworks using bearing-only measurements. , 2018, , .		4
67	Distributed Orientation Localization of Multi-agent Systems in 3-dimensional Space with Direction-only Measurements. , 2018, , .		12
68	Bearing-based Formation Control via Distributed Position Estimation. , 2018, , .		4
69	Network Localization of Uniformly Connected Graph Using Orientation Estimation. , 2018, , .		1
70	A distributed singular perturbation algorithm in a non-cooperative game under limited control authority. IFAC-PapersOnLine, 2018, 51, 367-372.	0.9	1
71	Disturbance Attenuation in Distance-Based Formation Control: A Linear Matrix Inequality Approach. , 2018, , .		8
72	Distributed Solving Exact Potential Games via Differential Inclusions and Consensus Algorithms. , 2018, , .		2

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73	Bearing-Based Formation Control and Network Localization via Global Orientation Estimation. , 2018, , .		8
74	Shape and Orientation Control of Moving Formation with Local Measurements in Three-Dimensional Space. , 2018, , .		1
75	Index-free assignment formation of networked multi-agent systems. , 2018, , .		3
76	Infinitesimal Weak Rigidity and Stability Analysis on Three-Agent Formations. , 2018, , .		10
77	Semiglobal consensus of heterogeneous multiagent systems with input saturations. International Journal of Robust and Nonlinear Control, 2018, 28, 5652-5664.	3.7	11
78	A Distributed Algorithm via Consensus and Saddle Point Dynamics for Economic Dispatch Problem in Energy Networked Systems. , 2018, , .		3
79	Bearing-Based Formation Control of A Group of Agents with Leader-First Follower Structure. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	42
80	Distributed Formation Control based on Orientation Alignment and Position Estimation. International Journal of Control, Automation and Systems, 2018, 16, 1112-1119.	2.7	10
81	Pointing consensus for rooted out-branching graphs. , 2018, , .		4
82	Finite-time convergence of acyclic generically persistent formations. , 2018, , .		3
83	Distributed stabilization control of rigid formations with prescribed orientation. Automatica, 2017, 78, 250-257.	5.0	67
84	Distributed Coordination of Asymmetric Compartmental Systems Under Time-Varying Inputs and Its Applications. IEEE Transactions on Control Systems Technology, 2017, 25, 2098-2111.	5.2	0
85	Distributed Coordination Control and Industrial Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 4967-4971.	7.9	19
86	A comparison of neural network-based methods for load forecasting with selected input candidates. , 2017, , .		3
87	Consensus With Output Saturations. IEEE Transactions on Automatic Control, 2017, 62, 5388-5395.	5.7	11
88	Comments on â€œGlobal stabilization of rigid formations in the plane [Automatica 49 (2013) 1436â€"1441]â€. Automatica, 2017, 77, 393-396.	5.0	16
89	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
90	Distributed filtering and synchronization of diffusively stateâ€coupled heterogeneous systems. International Journal of Robust and Nonlinear Control, 2017, 27, 2357-2392.	3.7	1

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91	Distance-Based Cycle-Free Persistent Formation: Global Convergence and Experimental Test With a Group of Quadcopters. IEEE Transactions on Industrial Electronics, 2017, 64, 380-389.	7.9	38
92	Rigid formation control of double-integrator systems. International Journal of Control, 2017, 90, 1403-1419.	1.9	43
93	Implementation of load transportation using multiple quadcopters. , 2017, , .		5
94	The bearing-based multi-agent rendezvous problem on a circle. , 2017, , .		1
95	Planar Bearing-only Cyclic Pursuit for Target Capture. IFAC-PapersOnLine, 2017, 50, 10136-10141.	0.9	2
96	Matrix-weighted consensus with leader-following topologies. , 2017, , .		13
97	Distributed Nash equilibrium seeking of an aggregative game by a singular perturbed algorithm. , 2017, , .		2
98	Global convergence of formation without global information in three-dimensional space. , 2017, , .		0
99	A new bearing-only navigation law. , 2017, , .		4
100	Distributed coordination and control in combined AC-MT HVDC power grids. , 2017, , .		0
101	Lennard-jones potential field-based swarm systems for aggregation and obstacle avoidance. , 2017, , .		4
102	Finite-time bearing-only formation control. , 2017, , .		6
103	A finite-time convergence of acyclic generically persistent formation in 3-D using relative position measurements. , 2017, , .		1
104	Consensus under misaligned orientations. , 2017, , .		6
105	Distributed control for synchronization on the circle. , 2017, , .		2
106	Rigidity of distance-based formations with additional subtended-angle constraints. , 2017, , .		11
107	Distance-based directed formation control in three-dimensional space. , 2017, , .		3
108	Laman graphs are generically bearing rigid in arbitrary dimensions. , 2017, , .		15

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109	Data-Driven Networked Optimal Iterative Learning Control for Discrete Linear Time-Varying Systems with One-Operation Bernoulli-Type Communication Delays. Discrete Dynamics in Nature and Society, 2017, 2017, 1-12.	0.9	2
110	Sensor failure detection, identification and accommodation using neural network and fuzzy voter. , 2017, , .		2
111	A distributed control algorithm via saddle point dynamics for optimal resource allocation problem over netwoked systems. , 2017, , .		6
112	Partial consensus of identical feedforward dynamic systems with input saturations. International Journal of Robust and Nonlinear Control, 2016, 26, 2494-2510.	3.7	4
113	Distributed estimation for the unknown orientation of the local reference frames in N-dimensional space. , 2016, , .		18
114	Realization of swarm formation flying and optimal trajectory generation for multi-drone performance show. , 2016, , .		15
115	Distance-based control of K4 formation with almost global convergence. , 2016, , .		12
116	Further analysis on graph rigidity. , 2016, , .		7
117	Guidance using bearing-only measurements with three beacons in the plane. Control Engineering Practice, 2016, 51, 81-91.	5.5	19
118	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
119	Distributed formation control via global orientation estimation. Automatica, 2016, 73, 125-129.	5.0	67
120	Distributed coordination and control of multiple photovoltaic generators for power distribution in a microgrid. Automatica, 2016, 73, 193-199.	5.0	7
121	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
122	Realization of distributed formation flying using a group of autonomous quadcopters and application to visual performance show. , 2016, , .		7
123	Image-based lane tracking in quadcopter. , 2016, , .		1
124	Energy generation and distribution via distributed coordination: Unbalanced cases. , 2016, , .		1
125	Distributed Coordination and Control for a Freeway Traffic Network Using Consensus Algorithms. IEEE Systems Journal, 2016, 10, 162-168.	4.6	36
126	Consensus of generalized integrators: Convergence rate and disturbance attenuation property. Automatica, 2016, 65, 115-119.	5.0	2

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127	Design and Realization of Distributed Adaptive Formation Control Law for Multi-Agent Systems With Moving Leader. IEEE Transactions on Industrial Electronics, 2016, 63, 1268-1279.	7.9	78
128	Shock Propagation in Cascade Systems: Analysis and Applications. IEEE Systems Journal, 2016, 10, 59-68.	4.6	2
129	A Geometric Compression Method Using Dominant Points for Transmission to LEO Satellites. International Journal of Aeronautical and Space Sciences, 2016, 17, 622-630.	2.0	1
130	Extended Kalman filter with multi-frequency reference data for quadrotor navigation. , 2015, , .		10
131	Consensus of positive real systems cascaded with a single integrator. International Journal of Robust and Nonlinear Control, 2015, 25, 418-429.	3.7	17
132	An orientation alignment problem using only local information. , 2015, , .		0
133	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
134	Global convergence of formation in multi-agent systems without global reference frame. , 2015, , .		2
135	Robustness of discrete-time iterative learning control for networked control systems with data dropouts. , 2015, , .		3
136	Nonlinear robust control of a quadrotor for point tracking based on nonlinear disturbance observer. , 2015, , .		0
137	Distance-based control of formations with orientation control. , 2015, , .		7
138	Non-Trivial Output Synchronization of Heterogeneous Passive Systems. IEEE Transactions on Automatic Control, 2015, 60, 3322-3327.	5.7	8
139	Orientation alignment-based formation control with reference node. , 2015, , .		2
140	Leader-follower type formation control using local displacement measurements: Velocity observer-based approach. , 2015, , .		1
141	Displacement estimation by range measurements and application to formation control. , 2015, , .		2
142	Disturbance Estimation, Compensation, and Dynamic Shaping: New Approach and an Application to Output Stabilization of Multiple Cooperative Control. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	1
143	The Fermatâ€"Weber location problem in single integrator dynamics using only local bearing angles. Automatica, 2015, 59, 90-96.	5.0	10
144	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

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145	Stabilisation of directed cycle formations and application to two‑wheeled mobile robots. IET Control Theory and Applications, 2015, 9, 1338-1346.	2.1	8
146	Consensus Under Saturation Constraints in Interconnection States. IEEE Transactions on Automatic Control, 2015, 60, 3053-3058.	5.7	28
147	Distributed Coordination for Connectivity Adjustment of Linear Compartmental Systems. IEEE Transactions on Automatic Control, 2015, 60, 2231-2236.	5.7	4
148	Synchronization of rigid body dynamics in SE(3) without velocity measurement. , 2015, , .		0
149	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
150	Consensus of multi-agent systems with switched linear dynamics. , 2015, , .		1
151	A Robot Learns How to Entice an Insect. IEEE Intelligent Systems, 2015, 30, 54-63.	4.0	8
152	Nonlinear Control of Quadrotor for Point Tracking: Actual Implementation and Experimental Tests. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1179-1192.	5.8	286
153	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
154	A survey of multi-agent formation control. Automatica, 2015, 53, 424-440.	5.0	1,730
155	Consensus-Based Coordination and Control for Building Automation Systems. IEEE Transactions on Control Systems Technology, 2015, 23, 364-371.	5.2	22
156	A fusion of a range sensor and IMU using EM-particle filter for measuring distance between quadrotors. , 2014, , .		1
157	A high-gain adaptive fractional-order iterative learning control. , 2014, , .		0
158	Disturbance attenuation in consensus networks consisting of passive linear time-invariant systems. , 2014, , .		0
159	Finite-time convergence control for acyclic persistent formations. , 2014, , .		8
160	Formation control of rigid bodies based on orientation alignment and position estimation. , 2014, , .		6
161	A new velocity observer for a class of double integrator dynamics. , 2014, , .		2
162	H ∞ 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

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163	Iterative learning control for trajectory tracking of tensegrity robot. , 2014, , .		3
164	Control of a mobile agent using only bearing measurements in triangular region. , 2014, , .		5
165	Exponential stabilization of infinitesimally rigid formations. , 2014, , .		7
166	Stability analysis on four agent tetrahedral formations. , 2014, , .		28
167	Distance-based undirected formations of single-integrator and double-integrator modeled agents in <i>n</i> -dimensional space. International Journal of Robust and Nonlinear Control, 2014, 24, 1809-1820.	3.7	165
168	Discrete-time repetitive process-based iterative learning control for heterogeneous systems with arbitrary interconnections. , 2014, , .		1
169	Fractional order iterative learning control for fractional order system with unknown initialization. , 2014, , .		10
170	Fractional-order iterative learning control and identification for fractional-order Hammerstein system. , 2014, , .		3
171	Robot manipulator adaptive control using disturbance estimator. , 2014, , .		1
172	Formation Control and Network Localization via Orientation Alignment. IEEE Transactions on Automatic Control, 2014, 59, 540-545.	5.7	152
173	Bio-insect and artificial robot interaction: learning mechanism and experiment. Soft Computing, 2014, 18, 1127-1141.	3.6	7
174	Relative position keeping in satellite formation flying with input saturation. Journal of the Franklin Institute, 2014, 351, 1112-1129.	3.4	11
175	Disturbance Attenuation in a Consensus Network of Identical Linear Systems: An $ {cal H}_{infty }$ Approach. IEEE Transactions on Automatic Control, 2014, 59, 2164-2169.	5.7	39
176	Unknown Input Observer-Based Filterings for Mobile Pedestrian Localization Using Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 2590-2600.	4.7	10
177	Distance-based formation control with a single moving leader. , 2014, , .		36
178	Bio-insect and artificial robot interaction using cooperative reinforcement learning. Applied Soft Computing Journal, 2014, 25, 322-335.	7.2	4
179	Unknown Input H$_{m infty}$ Observer-Based Localization of a Mobile Robot With Sensor Failure. IEEE/ASME Transactions on Mechatronics, 2014, 19, 1830-1838.	5.8	22
180	Controller designs for bilateral teleoperation with input saturation. Control Engineering Practice, 2014, 33, 35-47.	5.5	22

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181	An identification based optimization of fractional-order iterative learning control. , 2014, , .		2
182	Authors' reply to "Comments on 'Necessary and sufficient stability condition of fractional-order interval linear systems'" [Automatica 44 (2008) 2985–2988]. Automatica, 2014, 50, 2736.	5.0	0
183	Design and control of tele-matched surgery robot. Mechatronics, 2014, 24, 395-406.	3.3	20
184	∞ filtering for time-invariant continuous–discrete linear systems. Journal of the Franklin Institute, 2014, 351, 1316-1334.	3.4	0
185	Iterative learning control for spatially interconnected systems. Applied Mathematics and Computation, 2014, 237, 438-445.	2.2	13
186	Generation of satellite tracking profile: Problems and validation algorithms. Advances in Space Research, 2014, 54, 1092-1107.	2.6	3
187	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
188	Stability analysis of linear systems under state and rate saturations. Automatica, 2013, 49, 496-502.	5.0	15
189	A design of bilateral teleoperation systems using composite adaptive controller. Control Engineering Practice, 2013, 21, 1641-1652.	5.5	36
190	On the positive invariance of polyhedral sets in fractional-order linear systems. Automatica, 2013, 49, 3690-3694.	5.0	4
191	Sliding mode controller design for spacecraft with manipulator. , 2013, , .		0
192	Iterative learning control with dirac-delta function under state alignment condition. , 2013, , .		0
193	Nonholonomic control of distance-based cyclic polygon formation. , 2013, , .		3
194	Environmental-Adaptive Bias Calibration in Wireless Localization. IEEE Communications Letters, 2013, 17, 717-720.	4.1	7
195	An algorithm to determine linear independence of a set of interval vectors. Applied Mathematics and Computation, 2013, 219, 10822-10830.	2.2	1
196	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
197	Formation Control of Mobile Agents Based on Distributed Position Estimation. IEEE Transactions on Automatic Control, 2013, 58, 737-742.	5.7	99
198	Stability and Stabilization of Fractional-Order Linear Systems Subject to Input Saturation. IEEE Transactions on Automatic Control, 2013, 58, 1062-1067.	5.7	107

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199	Iterative learning control in optimal tracking problems with specified data points. Automatica, 2013, 49, 1465-1472.	5.0	82
200	Discrete-Time H_{infty} Filtering for Mobile Robot Localization Using Wireless Sensor Network. IEEE Sensors Journal, 2013, 13, 245-252.	4.7	37
201	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
202	Decentralized control of nonlinear interconnected systems under both amplitude and rate saturations. Automatica, 2013, 49, 2551-2555.	5.0	25
203	A Survey on Fractional-Order Iterative Learning Control. Journal of Optimization Theory and Applications, 2013, 156, 127-140.	1.5	63
204	On P-type fractional order iterative learning identification. , 2013, , .		7
205	Coordination and control for building automation systems. , 2013, , .		1
206	Shock propagation in cascade systems. , 2013, , .		1
207	Coordination and control for freeway traffic network. , 2013, , .		2
208	Formation-scaling strategy for an acyclic triangular formation: Distance-based approach. , 2013, , .		2
209	Graph and controller design for disturbance attenuation in consensus networks. , 2013, , .		1
210	Control of undirected four-agent formations in 3-dimensional space. , 2013, , .		4
211	Distance-based Formation Control: Background, Principal Results and Issues. Journal of Institute of Control, Robotics and Systems, 2013, 19, 398-409.	0.2	1
212	Sliding mode observer-based stabilization of interconnected fractional order systems. , 2012, , .		1
213	Passivity-based output synchronization of interconnected linear systems. , 2012, , .		2
214	Optimal iterative learning control with uncertain reference points. , 2012, , .		0
215	Decentralized iterative learning control for hegerogeneous system with arbitrary interconnections. , 2012, , .		0
216	Power distribution with consensus. , 2012, , .		4

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217	Formation control of mobile agents without an initial common sense of orientation. , 2012, , .		13
218	Modified gradient control for acyclic minimally persistent formations to escape from collinear position. , 2012, , .		11
219	Tip-tilt-piston motion control of fast steering mirror in the Giant Magellan telescope using mixed sensitivity H<inf>∞</inf> method. , 2012, , .		0
220	Bio-insect and artificial robot interaction using cooperative reinforcement learning. , 2012, , .		2
221	Control of inter-agent distances in cyclic polygon formations. , 2012, , .		3
222	Local asymptotic convergence of a cycle-free persistent formation of double-integrators in three-dimensional space. , 2012, , .		0
223	Orientation alignment based formation control in multi-agent systems. , 2012, , .		2
224	Fractional Order Periodic Adaptive Learning Compensation for State-Dependent Periodic Disturbance. IEEE Transactions on Control Systems Technology, 2012, 20, 465-472.	5.2	27
225	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
226	An interval Kalman filtering with minimal conservatism. Applied Mathematics and Computation, 2012, 218, 9563-9570.	2.2	11
227	Distance-based formation control using euclidean distance dynamics matrix: Three-agent case. , 2011, , .		7
228	Terminal iterative learning control with multiple intermediate pass points. , 2011, , .		27
229	Distance-based formation control using Euclidean distance dynamics matrix: General cases. , 2011, , .		3
230	Optimal network localization by particle swarm optimization. , 2011, , .		2
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