Hyo-Sung Ahn

List of Publications by Citations

267 papers	5,703 citations	30 h-index	70 g-index
328 ext. papers	7,486 ext. citations	3.5 avg, IF	6.49 L-index

#	Paper	IF	Citations
267	A survey of multi-agent formation control. *Automatica*, **2015**, 53, 424-440	5.7	1025
266	Iterative Learning Control: Brief Survey and Categorization. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2007**, 37, 1099-1121		872
265	Nonlinear Control of Quadrotor for Point Tracking: Actual Implementation and Experimental Tests. *IEEE/ASME Transactions on Mechatronics*, **2015**, 20, 1179-1192	5.5	183
264	Necessary and sufficient stability condition of fractional-order interval linear systems. *Automatica*, **2008**, 44, 2985-2988	5.7	176
263	Robust stability check of fractional order linear time invariant systems with interval uncertainties. *Signal Processing*, **2006**, 86, 2611-2618	4.4	162
262	Formation control of mobile agents based on inter-agent distance dynamics. *Automatica*, **2011**, 47, 2306-2312	5.7	147
261	Robust stability test of a class of linear time-invariant interval fractional-order system using Lyapunov inequality. *Applied Mathematics and Computation*, **2007**, 187, 27-34	2.7	140
260	Formation Control and Network Localization via Orientation Alignment. *IEEE Transactions on Automatic Control*, **2014**, 59, 540-545	5.9	111
259	Distance-based undirected formations of single-integrator and double-integrator modeled agents in n-dimensional space. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 1809-1820	3.6	108
258	Fractional-order iterative learning control for fractional-order linear systems. *Asian Journal of Control*, **2011**, 13, 54-63	1.7	101
257	. *IEEE Transactions on Automation Science and Engineering*, **2009**, 6, 626-633	4.9	85
256	Stability analysis of discrete-time iterative learning control systems with interval uncertainty. *Automatica*, **2007**, 43, 892-902	5.7	85
255	Stability and Stabilization of Fractional-Order Linear Systems Subject to Input Saturation. *IEEE Transactions on Automatic Control*, **2013**, 58, 1062-1067	5.9	82
254	Trajectory-keeping in satellite formation flying via robust periodic learning control. *International Journal of Robust and Nonlinear Control*, **2010**, 20, 1655-1666	3.6	82
253	Robust controllability of interval fractional order linear time invariant systems. *Signal Processing*, **2006**, 86, 2794-2802	4.4	81
252	Formation Control of Mobile Agents Based on Distributed Position Estimation. *IEEE Transactions on Automatic Control*, **2013**, 58, 737-742	5.9	75
251	Iterative Learning Control. *Communications and Control Engineering*, **2007**,	0.6	71

250	Fractional order robust control for cogging effect compensation in PMSM position servo systems: Stability analysis and experiments. *Control Engineering Practice*, **2010**, 18, 1022-1036	3.9	68
249	Iterative Learning Control: A Tutorial and Big Picture View **2006**,		57
248	. *IEEE Transactions on Magnetics*, **2005**, 41, 90-98	2	55
247	Iterative learning control in optimal tracking problems with specified data points. *Automatica*, **2013**, 49, 1465-1472	5.7	53
246	. *IEEE Transactions on Industrial Electronics*, **2009**, 56, 4296-4302	8.9	50
245	. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 1268-1279	8.9	46
244	. *IEEE Transactions on Aerospace and Electronic Systems*, **2006**, 42, 70-83	3.7	41
243	Matrix-weighted consensus and its applications. *Automatica*, **2018**, 89, 415-419	5.7	40
242	Distributed formation control via global orientation estimation. *Automatica*, **2016**, 73, 125-129	5.7	39
241	Iteration domain H□optimal iterative learning controller design. *International Journal of Robust and Nonlinear Control*, **2008**, 18, 1001-1017	3.6	38
240	Distributed stabilization control of rigid formations with prescribed orientation. *Automatica*, **2017**, 78, 250-257	5.7	37
239	A Survey on Fractional-Order Iterative Learning Control. *Journal of Optimization Theory and Applications*, **2013**, 156, 127-140	1.6	37
238	Monotonic convergent iterative learning controller design based on interval model conversion. *IEEE Transactions on Automatic Control*, **2006**, 51, 366-371	5.9	33
237	Rigid formation control of double-integrator systems. *International Journal of Control*, **2017**, 90, 1403-1419	1.9	29
236	Discrete-Time H_{infty} Filtering for Mobile Robot Localization Using Wireless Sensor Network. *IEEE Sensors Journal*, **2013**, 13, 245-252	4	29
235	DGPS/IMU integration-based geolocation system: Airborne experimental test results. *Aerospace Science and Technology*, **2009**, 13, 316-324	4.9	28
234	Finite-Time Bearing-Only Formation Control via Distributed Global Orientation Estimation. *IEEE Transactions on Control of Network Systems*, **2019**, 6, 702-712	4	28
233	A design of bilateral teleoperation systems using composite adaptive controller. *Control Engineering Practice*, **2013**, 21, 1641-1652	3.9	26

232	. *IEEE Systems Journal*, **2016**, 10, 162-168	4.3	25
231	Disturbance Attenuation in a Consensus Network of Identical Linear Systems: An $ {cal H}_{infty }$ Approach. *IEEE Transactions on Automatic Control*, **2014**, 59, 2164-2169	5.9	25
230	Distance-based formation control with a single moving leader **2014**,		24
229	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	8.9	24
228	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	1.6	24
227	A Circuit Design for Ranging Measurement Using Chirp Spread Spectrum Waveform. *IEEE Sensors Journal*, **2010**, 10, 1774-1778	4	24
226	Fractional-order integral and derivative controller for temperature profile tracking. *Sadhana - Academy Proceedings in Engineering Sciences*, **2009**, 34, 833-850	1	23
225	Nonlinear Orbital Dynamic Equations and State-Dependent Riccati Equation Control of Formation Flying Satellites. *Journal of the Astronautical Sciences*, **2003**, 51, 433-449	1.1	23
224	A survey on multi-agent reinforcement learning: Coordination problems **2010**,		21
223	Distance-based control of cycle-free persistent formations **2011**,		21
222	Consensus Under Saturation Constraints in Interconnection States. *IEEE Transactions on Automatic Control*, **2015**, 60, 3053-3058	5.9	20
221	Distributed Coordination for Optimal Energy Generation and Distribution in Cyber-Physical Energy Networks. *IEEE Transactions on Cybernetics*, **2018**, 48, 941-954	10.2	20
220	Unknown Input H$_{bm infty}$ Observer-Based Localization of a Mobile Robot With Sensor Failure. *IEEE/ASME Transactions on Mechatronics*, **2014**, 19, 1830-1838	5.5	20
219	Stability analysis on four agent tetrahedral formations **2014**,		20
218	Fractional Order Periodic Adaptive Learning Compensation for State-Dependent Periodic Disturbance. *IEEE Transactions on Control Systems Technology*, **2012**, 20, 465-472	4.8	20
217	Coordination and control for energy distribution in distributed grid networks: Theory and application to power dispatch problem. *Control Engineering Practice*, **2015**, 43, 21-38	3.9	19
216	Fault detection and isolation for a small CMG-based satellite: A fuzzy Q-learning approach. *Aerospace Science and Technology*, **2015**, 47, 340-355	4.9	19
215	Initialization-free privacy-guaranteed distributed algorithm for economic dispatch problem. *Automatica*, **2019**, 102, 86-93	5.7	18

214	Formation stabilization and resizing based on the control of inter-agent distances. *International Journal of Robust and Nonlinear Control*, **2015**, 25, 2532-2546	3.6	18
213	Controller designs for bilateral teleoperation with input saturation. *Control Engineering Practice*, **2014**, 33, 35-47	3.9	18
212	Stability analysis of spatially interconnected discrete-time systems with random delays and structured uncertainties. *Journal of the Franklin Institute*, **2013**, 350, 1719-1738	4	17
211	Leader-follower type distance-based formation control of a group of autonomous agents. *International Journal of Control, Automation and Systems*, **2017**, 15, 1738-1745	2.9	17
210	Decentralized control of nonlinear interconnected systems under both amplitude and rate saturations. *Automatica*, **2013**, 49, 2551-2555	5.7	17
209	Distributed Coordination Control and Industrial Applications. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 4967-4971	8.9	15
208	Formations on directed cycles with bearing-only measurements. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 1074-1096	3.6	15
207	Design and control of tele-matched surgery robot. *Mechatronics*, **2014**, 24, 395-406	3	15
206	A survey of formation of mobile agents **2010**,		15
205	Terminal iterative learning control with multiple intermediate pass points **2011**,		15
204	Gyroless attitude estimation of sun-pointing satellites using magnetometers. *IEEE Geoscience and Remote Sensing Letters*, **2005**, 2, 8-12	4.1	15
203	Consensus-Based Coordination and Control for Building Automation Systems. *IEEE Transactions on Control Systems Technology*, **2015**, 23, 364-371	4.8	14
202	Continuous-time opinion dynamics on multiple interdependent topics. *Automatica*, **2020**, 115, 108884	5.7	14
201	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	3.6	14
200	A generalized fractional-order iterative learning control **2011**,		13
199	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	2.5	13
198	Design and Implementation of a Ubiquitous Robotic Space. *IEEE Transactions on Automation Science and Engineering*, **2009**, 6, 633-640	4.9	13
197	Bearing-Based Formation Control of a Group of Agents With Leader-First Follower Structure. *IEEE Transactions on Automatic Control*, **2018**, 1-1	5.9	13

196	Analogue input shaper for haptic interfaces. *IET Control Theory and Applications*, **2009**, 3, 1553-1564	2.5	12
195	Distance-Based Control of $mathcal {K}_{n}$ Formations in General Space With Almost Global Convergence. *IEEE Transactions on Automatic Control*, **2018**, 63, 2678-2685	5.9	11
194	Iterative learning control for spatially interconnected systems. *Applied Mathematics and Computation*, **2014**, 237, 438-445	2.7	11
193	Stability analysis of linear systems under state and rate saturations. *Automatica*, **2013**, 49, 496-502	5.7	11
192	Formation control of mobile agents without an initial common sense of orientation **2012**,		11
191	An interval Kalman filtering with minimal conservatism. *Applied Mathematics and Computation*, **2012**, 218, 9563-9570	2.7	11
190	An Optimal Satellite Antenna Profile Using Reinforcement Learning. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2011**, 41, 393-406		11
189	State-dependent friction force compensation using periodic adaptive learning control. *Mechatronics*, **2009**, 19, 896-904	3	11
188	Exact Maximum Singular Value Calculation of an Interval Matrix. *IEEE Transactions on Automatic Control*, **2007**, 52, 510-514	5.9	11
187	Guidance using bearing-only measurements with three beacons in the plane. *Control Engineering Practice*, **2016**, 51, 81-91	3.9	11
186	Consensus of positive real systems cascaded with a single integrator. *International Journal of Robust and Nonlinear Control*, **2015**, 25, 418-429	3.6	10
185	Comments on Global stabilization of rigid formations in the plane [Automatica 49 (2013) 1436–1441] *Automatica*, **2017**, 77, 393-396	5.7	9
184	Sensorless torque estimation using adaptive Kalman filter and disturbance estimator **2010**,		9
183	Synchronization of bilateral teleoperation systems using state and force observer **2010**,		9
182	Synchronization of bilateral teleoperation systems with input saturation **2010**,		9
181	Distributed estimation for the unknown orientation of the local reference frames in N-dimensional space **2016**,		9
180	Relative position keeping in satellite formation flying with input saturation. *Journal of the Franklin Institute*, **2014**, 351, 1112-1129	4	8
179	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	8

178	Modified gradient control for acyclic minimally persistent formations to escape from collinear position **2012**,		8
177	Passivity-based output synchronisation of port-controlled Hamiltonian and general linear interconnected systems. *IET Control Theory and Applications*, **2013**, 7, 234-245	2.5	8
176	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	4	8
175	Formation Control. *Studies in Systems, Decision and Control*, **2020**,	0.8	8
174	Consensus With Output Saturations. *IEEE Transactions on Automatic Control*, **2017**, 62, 5388-5395	5.9	7
173	The Fermat□Weber location problem in single integrator dynamics using only local bearing angles. *Automatica*, **2015**, 59, 90-96	5.7	7
172	Shape and orientation control of moving formation in multi-agent systems without global reference frame. *Automatica*, **2018**, 92, 210-216	5.7	7
171	Environmental-Adaptive Bias Calibration in Wireless Localization. *IEEE Communications Letters*, **2013**, 17, 717-720	3.8	7
170	**2017**,		7
169	Finite-time convergence control for acyclic persistent formations **2014**,		7
168	Exponential stabilization of infinitesimally rigid formations **2014**,		7
167	Distance-based control of K4 formation with almost global convergence **2016**,		7
166	Distance-based acyclic minimally persistent formations with non-steepest descent control. *International Journal of Control, Automation and Systems*, **2016**, 14, 163-173	2.9	7
165	Bearing-Based Formation Control and Network Localization via Global Orientation Estimation **2018**,		7
164	Semiglobal consensus of heterogeneous multiagent systems with input saturations. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 5652-5664	3.6	7
163	Stabilisation of directed cycle formations and application to two-wheeled mobile robots. *IET Control Theory and Applications*, **2015**, 9, 1338-1346	2.5	6
162	Distributed Formation Control of Mobile Agents via Global Orientation Estimation. *IEEE Transactions on Control of Network Systems*, **2020**, 7, 1654-1664	4	6
161	Opinion Dynamics With Cross-Coupling Topics: Modeling and Analysis. *IEEE Transactions on Computational Social Systems*, **2020**, 7, 632-647	4.5	6

160	Bio-insect and artificial robot interaction: learning mechanism and experiment. *Soft Computing*, **2014**, 18, 1127-1141	3.5	6
159	Unknown Input Observer-Based Filterings for Mobile Pedestrian Localization Using Wireless Sensor Networks. *IEEE Sensors Journal*, **2014**, 14, 2590-2600	4	6
158	Matrix-weighted consensus with leader-following topologies **2017**,		6
157	Extended Kalman filter with multi-frequency reference data for quadrotor navigation **2015**,		6
156	. *IEEE Systems Journal*, **2015**, 9, 1285-1298	4.3	6
155	Distance-based control of formations with orientation control **2015**,		6
154	Non-Trivial Output Synchronization of Heterogeneous Passive Systems. *IEEE Transactions on Automatic Control*, **2015**, 60, 3322-3327	5.9	6
153	Formation control of rigid bodies based on orientation alignment and position estimation **2014**,		6
152	Multi-agent coordination by iterative learning control: Centralized and decentralized strategies **2011**,		6
151	Three-axis attitude determination using incomplete vector observations. *Acta Astronautica*, **2009**, 65, 1089-1093	2.9	6
150	Wireless Localization Networks for Indoor Service Robots **2008**,		6
149	Wireless Localization Network for Ubiquitous Robotic Space: Approaches and Experimental Test **2007**,		6
148	Distributed coordination and control of multiple photovoltaic generators for power distribution in a microgrid. *Automatica*, **2016**, 73, 193-199	5.7	6
147	Pointing Consensus and Bearing-Based Solutions to the Fermat–Weber Location Problem. *IEEE Transactions on Automatic Control*, **2020**, 65, 2339-2354	5.9	6
146	Distributed Orientation Localization of Multi-agent Systems in 3-dimensional Space with Direction-only Measurements **2018**,		6
145	Robust tracking control of bearing-constrained leader–follower formation. *Automatica*, **2021**, 131, 109733	3.7	6
144	Bearing-only control of directed cycle formations: Almost global convergence and hardware implementation. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 4789-4804	3.6	5
143	Formation control of rigid graphs with flex edges. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 2543-2559	3.6	5

142	Consensus under misaligned orientations **2017**,		5
141	Formation control of mobile agent groups based on localization **2011**,		5
140	Formation coordination for self-mobile localization: Framework **2009**,		5
139	Periodic adaptive learning control for velocity-dependent disturbance compensation **2009**,		5
138	. *IEEE Transactions on Aerospace and Electronic Systems*, **2004**, 40, 1020-1030	3.7	5
137	Prototype Development for the GMT FSM Secondary - Off-axis Aspheric Mirror Fabrication -. *Journal of Astronomy and Space Sciences*, **2014**, 31, 341-346		5
136	Realization of swarm formation flying and optimal trajectory generation for multi-drone performance show **2016**,		5
135	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	0.7	5
134	Distance-Based Formation Control With Bounded Disturbances **2021**, 5, 451-456		5
133	Distributed Robust Adaptive Gradient Controller in Distance-Based Formation Control With Exogenous Disturbance. *IEEE Transactions on Automatic Control*, **2021**, 66, 2868-2874	5.9	5
132	Distributed Formation Control based on Orientation Alignment and Position Estimation. *International Journal of Control, Automation and Systems*, **2018**, 16, 1112-1119	2.9	5
131	Distributed formation control of the special Euclidean group SE(2) via global orientation control. *IET Control Theory and Applications*, **2020**, 14, 1393-1399	2.5	4
130	A distributed control algorithm via saddle point dynamics for optimal resource allocation problem over netwoked systems **2017**,		4
129	Rigidity of distance-based formations with additional subtended-angle constraints **2017**,		4
128	Fractional order iterative learning control for fractional order system with unknown initialization **2014**,		4
127	Consensus of nonlinear system using feedback linearization **2010**,		4
126	**2010**,		4
125	Algebraic H_infty Design of Higher-Order Iterative Learning Controllers		4

124	Schur stability radius bounds for robust iterative learning controller design		4
123	Multi-agent coordination over local indexes via clique-based distributed assignment. *Automatica*, **2020**, 112, 108670	5.7	4
122	Further analysis on graph rigidity **2016**,		4
121	Bearing-based Formation Control via Distributed Position Estimation **2018**,		4
120	**2018**,		4
119	Finite-Time Bearing-Based Maneuver of Acyclic Leader-Follower Formations **2022**, 6, 1004-1009		4
118	. *IEEE Transactions on Automatic Control*, **2015**, 60, 2231-2236	5.9	3
117	A Robot Learns How to Entice an Insect. *IEEE Intelligent Systems*, **2015**, 30, 54-63	4.2	3
116	Consensus under biased alignment. *Automatica*, **2019**, 110, 108605	5.7	3
115	Bio-insect and artificial robot interaction using cooperative reinforcement learning. *Applied Soft Computing Journal*, **2014**, 25, 322-335	7.5	3
114	On the positive invariance of polyhedral sets in fractional-order linear systems. *Automatica*, **2013**, 49, 3690-3694	5.7	3
113	Implementation of load transportation using multiple quadcopters **2017**,		3
112	A new bearing-only navigation law **2017**,		3
111	Finite-time bearing-only formation control **2017**,		3
110	**2014**,		3
109	Power distribution with consensus **2012**,		3
108	Control of inter-agent distances in cyclic polygon formations **2012**,		3
107	On P-type fractional order iterative learning identification **2013**,		3

106	Control of undirected four-agent formations in 3-dimensional space **2013**,		3
105	Distance-based sequential formation control of mobile agents by using motion primitives **2010**,		3
104	Distance-based formation control using euclidean distance dynamics matrix: Three-agent case **2011** ,		3
103	Fractional order periodic adaptive learning compensation for cogging effect in PMSM position servo system **2009**,		3
102	Cooperative Reinforcement Learning: Brief Survey and Application to Bio-insect and Artificial Robot Interaction **2008**,		3
101	Fractional-order integral and derivative controller design for temperature profile control **2008**,		3
100	Dual-high-order periodic adaptive learning compensation for state-dependant periodic disturbance **2008**,		3
99	LMI Approach to Iterative Learning Control Design **2006**,		3
98	Simultaneous Pedestrian and Robot Localization Technique in an Indoor Ubiquitous Robotic Space (URS) **2007**, 3		3
97	Distributed Computation of Graph Matching in Multi-Agent Networks **2020**,		3
96	Partial consensus of identical feedforward dynamic systems with input saturations. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 2494-2510	3.6	3
95	Infinitesimal Weak Rigidity and Stability Analysis on Three-Agent Formations **2018**,		3
94	Consensus of generalized integrators: Convergence rate and disturbance attenuation property. *Automatica*, **2016**, 65, 115-119	5.7	2
93	Finite-time convergence of acyclic generically persistent formations **2018**,		2
92	Generation of satellite tracking profile: Problems and validation algorithms. *Advances in Space Research*, **2014**, 54, 1092-1107	2.4	2
91	Nonholonomic control of distance-based cyclic polygon formation **2013**,		2
90	Lennard-jones potential field-based swarm systems for aggregation and obstacle avoidance **2017**,		2
89	Distance-based directed formation control in three-dimensional space **2017**,		2

88	Orientation alignment-based formation control with reference node **2015**,		2
87	Displacement estimation by range measurements and application to formation control **2015**,		2
86	A new velocity observer for a class of double integrator dynamics **2014**,		2
85	Control of a mobile agent using only bearing measurements in triangular region **2014**,		2
84	Orientation alignment based formation control in multi-agent systems **2012**,		2
83	Satellite formation flying with input saturation: An LMI approach **2011**,		2
82	Fractional Order Adaptive Control for Cogging Effect Compensation **2010**, 393-409		2
81	Simultaneous pedestrian and multiple mobile robots localization using distributed extended Kalman filter **2009**,		2
80	Bio-insect and artificial robots interaction: A dragging mechanism and experimental results **2009**,		2
79	Exact Maximum Singular Value of a Complex Interval Matrix. *IEEE Transactions on Automatic Control* , **2008**, 53, 2165-2170	5.9	2
78	Conservatism-free Robust Stability Check of Fractional-order Interval Linear Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 15256-15261		2
77	Round-trip time-based wireless positioning without time synchronization **2007**,		2
76	Robust stability condition of an uncertain networked system with delayed data dropout in both forward and feedback channels **2006**,		2
75	Fixed-time orientation estimation and network localisation of multi-agent systems. *IET Control Theory and Applications*, **2021**, 15, 64-76	2.5	2
74	Minimal and Redundant Bearing Rigidity: Conditions and Applications. *IEEE Transactions on Automatic Control*, **2020**, 65, 4186-4200	5.9	2
73	Fixed-time network localization based on bearing measurements **2020**,		2
72	Distributed Constrained Optimization over Networked Systems via A Singular Perturbation Method and Application to Economic Dispatch **2020**,		2
71	Generalized weak rigidity: Theory, and local and global convergence of formations. *Systems and Control Letters*, **2020**, 146, 104800	2.4	2

70	Realization of distributed formation flying using a group of autonomous quadcopters and application to visual performance show **2016**,		2
69	Leader-Follower Bearing-based Formation System with Exogenous Disturbance **2019**,		2
68	Resource Allocation for Epidemic Network under Complications **2019**,		2
67	Index-free assignment formation of networked multi-agent systems **2018**,		2
66	A Distributed Algorithm via Consensus and Saddle Point Dynamics for Economic Dispatch Problem in Energy Networked Systems **2018**,		2
65	A comparison of neural network-based methods for load forecasting with selected input candidates **2017**,		1
64	From Matrix-Weighted Consensus to Multipartite Average Consensus. *IEEE Transactions on Control of Network Systems*, **2020**, 7, 1609-1620	4	1
63	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	1.1	1
62	Sensor failure detection, identification and accommodation using neural network and fuzzy voter **2017**,		1
61	Image-based lane tracking in quadcopter **2016**,		1
60	Shock Propagation in Cascade Systems: Analysis and Applications. *IEEE Systems Journal*, **2016**, 10, 59-68	4.3	1
59	Pointing consensus for rooted out-branching graphs **2018**,		1
58	An algorithm to determine linear independence of a set of interval vectors. *Applied Mathematics and Computation*, **2013**, 219, 10822-10830	2.7	1
57	Distributed filtering and synchronization of diffusively state-coupled heterogeneous systems. *International Journal of Robust and Nonlinear Control*, **2017**, 27, 2357-2392	3.6	1
56	Planar Bearing-only Cyclic Pursuit for Target Capture. *IFAC-PapersOnLine*, **2017**, 50, 10136-10141	0.7	1
55	Distributed Nash equilibrium seeking of an aggregative game by a singular perturbed algorithm **2017**,		1
54	A finite-time convergence of acyclic generically persistent formation in 3-D using relative position measurements **2017**,		1
53	Distributed control for synchronization on the circle **2017**,		1

52	Leader-follower type formation control using local displacement measurements: Velocity observer-based approach **2015**,		1
51	Discrete-time repetitive process-based iterative learning control for heterogeneous systems with arbitrary interconnections **2014**,		1
50	Bio-insect and artificial robot interaction using cooperative reinforcement learning **2012**,		1
49	Coordination and control for building automation systems **2013**,		1
48	Formation-scaling strategy for an acyclic triangular formation: Distance-based approach **2013**,		1
47	Finite-gain L□stabilization of satellite formation flying with input saturation **2011**,		1
46	**2011**,		1
45	Sliding mode observer-based stabilization of interconnected fractional order systems **2012**,		1
44	Passivity-based output synchronization of interconnected linear systems **2012**,		1
43	Bilateral teleoperation systems using genetic algorithms **2009**,		1
42	Design of dynamic periodic adaptive learning controller for long-term cogging effect compensation **2008**,		1
41	Adaptive Path-loss Model-based Indoor Localization **2008**,		1
40	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**,	2	1
39	Navi-Guider: An Intuitive Guiding System for the Mobile Robot **2007**,		1
38	Stability Analysis and Control of Repetitive Trajectory Systems in the State-Domain: Roller Coaster Application **2007**,		1
37	Human-Robot Interactive Guiding System's Application in Sonar Quick Mapping **2007**,		1
36	Maximum singular value and power of an interval matrix **2006**,		1
35	State-periodic adaptive compensation of cogging and Coulomb friction in permanent magnet linear motors		1

34	Linear Independency of Interval Vectors and Its Applications to Robust Controllability Tests		1
33	Distance-based Formation Tracking with Unknown Bounded Reference Velocity **2020**,		1
32	Distance-based Formation Control: Background, Principal Results and Issues. *Journal of Institute of Control, Robotics and Systems*, **2013**, 19, 398-409	1	1
31	Pose localization of leader□follower networks with direction measurements. *Automatica*, **2020**, 120, 109125	5.7	1
30	Preliminary Background. *Studies in Systems, Decision and Control*, **2020**, 3-26	0.8	1
29	Discrete-Time Matrix-Weighted Consensus. *IEEE Transactions on Control of Network Systems*, **2021**, 1-1	4	1
28	Network Localization of Uniformly Connected Graph Using Orientation Estimation **2018**,		1
27	Distributed Solving Exact Potential Games via Differential Inclusions and Consensus Algorithms **2018**,		1
26	Distributed bearing vector estimation in multi-agent networks. *Automatica*, **2020**, 115, 108895	5.7	0
25	Tracking Control of Directed Acyclic Formation via Target Point Localization. *Lecture Notes in Networks and Systems*, **2021**, 839-845	0.5	0
24	A Geometric Compression Method Using Dominant Points for Transmission to LEO Satellites. *International Journal of Aeronautical and Space Sciences*, **2016**, 17, 622-630	1.2	0
23	Network-based distributed direct load control guaranteeing fair welfare maximisation. *IET Control Theory and Applications*, **2019**, 13, 2959-2968	2.5	0
22	Multi-agent Localization of A Common Reference Coordinate Frame: An Extrinsic Approach. *IFAC-PapersOnLine*, **2019**, 52, 67-72	0.7	0
21	Robust Voltage Stabilization Controller for Uncertain DC Microgrids. *IEEE Access*, **2021**, 9, 99606-99616	3.5	0
20	Sign rigidity theory and application to formation specification control. *Automatica*, **2022**, 141, 110291	5.7	0
19	. *IEEE Transactions on Control Systems Technology*, **2017**, 25, 2098-2111	4.8	
18	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	5.7	
17	□filtering for time-invariant continuous□discrete linear systems. *Journal of the Franklin Institute*, **2014**, 351, 1316-1334	4	

16	Geometrical Attitude Determination Algorithm Based on Vector Measurements. *Transactions of the Japan Society for Aeronautical and Space Sciences*, **2010**, 53, 8-18	0.8
15	A Tethering Device for Mobile Robot Guidance. *International Journal of Advanced Robotic Systems*, **2009**, 6, 17	1.4
14	Convergence of Distance-based Formations in Case of Failure of Sensing Distances: Rigidity Theory Perspective. *IFAC-PapersOnLine*, **2021**, 54, 394-399	0.7
13	Bearing-Based Formation Control via Global Orientation Alignment. *Studies in Systems, Decision and Control*, **2020**, 255-268	0.8
12	Moving Formation. *Studies in Systems, Decision and Control*, **2020**, 271-295	0.8
11	K(n) Formation and Resizing. *Studies in Systems, Decision and Control*, **2020**, 297-319	0.8
10	Network Localization. *Studies in Systems, Decision and Control*, **2020**, 321-337	0.8
9	Global Stabilization. *Studies in Systems, Decision and Control*, **2020**, 63-96	0.8
8	Local Stabilization. *Studies in Systems, Decision and Control*, **2020**, 97-116	0.8
7	Persistent Formations. *Studies in Systems, Decision and Control*, **2020**, 117-139	0.8
6	Formation Control via Orientation Alignment. *Studies in Systems, Decision and Control*, **2020**, 143-164	0.8
5	Formation Control via Orientation and Position Estimation. *Studies in Systems, Decision and Control*, **2020**, 165-183	0.8
4	Formation Control via Global Orientation Alignment. *Studies in Systems, Decision and Control*, **2020**, 185-217	2.7
3	Formation Control via Bearing Measurements. *Studies in Systems, Decision and Control*, **2020**, 221-254	0.8
2	A distributed singular perturbation algorithm in a non-cooperative game under limited control authority. *IFAC-PapersOnLine*, **2018**, 51, 367-372	0.7
1	Distributed bearing-based formation control and network localization with exogenous disturbances. *International Journal of Robust and Nonlinear Control*,	3.6