Minh Hoang Trinh

List of Publications by Year
in descending order

46 papers	589 citations	933447 10 h-index	752698 20 g-index
46 all docs	46 docs citations	46 times ranked	262 citing authors

#	Article	IF	Citations
1	Matrix-weighted consensus and its applications. Automatica, 2018, 89, 415-419.	5.0	73
2	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
3	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
4	Continuous-time opinion dynamics on multiple interdependent topics. Automatica, 2020, 115, 108884.	5.0	35
5	Robust tracking control of bearing-constrained leaderâ€“follower formation. Automatica, 2021, 131, 109733.	5.0	34
6	Distance-Based Formation Control With Bounded Disturbances. , 2021, 5, 451-456.		29
7	Formations on directed cycles with bearingâ€•only measurements. International Journal of Robust and Nonlinear Control, 2018, 28, 1074-1096.	3.7	27
8	Guidance using bearing-only measurements with three beacons in the plane. Control Engineering Practice, 2016, 51, 81-91.	5.5	19
9	Opinion Dynamics With Cross-Coupling Topics: Modeling and Analysis. IEEE Transactions on Computational Social Systems, 2020, 7, 632-647.	4.4	17
10	Discrete-Time Matrix-Weighted Consensus. IEEE Transactions on Control of Network Systems, 2021, 8, 1568-1578.	3.7	17
11	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
12	Finite-Time Bearing-Based Maneuver of Acyclic Leader-Follower Formations. , 2022, 6, 1004-1009.		16
13	Laman graphs are generically bearing rigid in arbitrary dimensions. , 2017, , .		15
14	Matrix-weighted consensus with leader-following topologies. , 2017, , .		13
15	Distance-based control of K4 formation with almost global convergence. , 2016, , .		12
16	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
17	Pointing Consensus and Bearing-Based Solutions to the Fermatâ€“Weber Location Problem. IEEE Transactions on Automatic Control, 2020, 65, 2339-2354.	5.7	11
18	Minimal and Redundant Bearing Rigidity: Conditions and Applications. IEEE Transactions on Automatic Control, 2020, 65, 4186-4200.	5.7	11

#	Article	IF	Citations
19	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
20	The Fermatâ€“Weber location problem in single integrator dynamics using only local bearing angles. Automatica, 2015, 59, 90-96.	5.0	10
21	Infinitesimal Weak Rigidity and Stability Analysis on Three-Agent Formations. , 2018, , .		10
22	Bearing-Based Formation Control and Network Localization via Global Orientation Estimation. , 2018, , .		8
23	Freeâ€•will arbitrary time consensus protocols with diffusive coupling. International Journal of Robust and Nonlinear Control, 2022, 32, 8711-8731.	3.7	8
24	Further analysis on graph rigidity. , 2016, , .		7
25	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
26	Coordination of multiâ€•agent systems with arbitrary convergence time. IET Control Theory and Applications, 2021, 15, 900-909.	2.1	7
27	Finite-time bearing-only formation control. , 2017, , .		6
28	Consensus under misaligned orientations. , 2017, , .		6
29	Comments on â€œDesign of controllers with arbitrary convergence timeâ€•[Automatica 108710]. Automatica, 2020, 122, 109195.	5.0	6
30	Control of a mobile agent using only bearing measurements in triangular region. , 2014, , .		5
31	Formation control of rigid graphs with flex edges. International Journal of Robust and Nonlinear Control, 2018, 28, 2543-2559.	3.7	5
32	Fixed-time network localization based on bearing measurements. , 2020, , .		5
33	A new bearing-only navigation law. , 2017, , .		4
34	Surrounding formation of star frameworks using bearing-only measurements. , 2018, , .		4
35	Pointing consensus for rooted out-branching graphs. , 2018, , .		4
36	Consensus under biased alignment. Automatica, 2019, 110, 108605.	5.0	4

#	Article	IF	Citations
37	Distance-based directed formation control in three-dimensional space. , 2017, , .		3
38	Finite-time convergence of acyclic generically persistent formations. , 2018, , .		3
39	Distance-based Formation Tracking with Unknown Bounded Reference Velocity. , 2020, , .		3
40	Planar Bearing-only Cyclic Pursuit for Target Capture. IFAC-PapersOnLine, 2017, 50, 10136-10141.	0.9	2
41	Distributed Nash equilibrium seeking of an aggregative game by a singular perturbed algorithm. , 2017, , .		2
42	Tracking Control of Directed Acyclic Formation via Target Point Localization. Lecture Notes in Networks and Systems, 2021, , 839-845.	0.7	2
43	The bearing-based multi-agent rendezvous problem on a circle. , 2017, , .		1
44	A finite-time convergence of acyclic generically persistent formation in 3-D using relative position measurements. , 2017, , .		1
45	Distributed coordination and control in combined AC-MT HVDC power grids. , 2017, , .		0
46	Decentralized sliding-mode control laws for the bearing-based formation tracking problem. , 2021, , .		0