

# Minh Hoang Trinh

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Finite-Time Bearing-Based Maneuver of Acyclic Leader-Follower Formations. , 2022, 6, 1004-1009.		16
2	Free-time arbitrary time consensus protocols with diffusive coupling. International Journal of Robust and Nonlinear Control, 2022, 32, 8711-8731.	3.7	8
3	Distance-Based Formation Control With Bounded Disturbances. , 2021, 5, 451-456.		29
4	Discrete-Time Matrix-Weighted Consensus. IEEE Transactions on Control of Network Systems, 2021, 8, 1568-1578.	3.7	17
5	Coordination of multi-agent systems with arbitrary convergence time. IET Control Theory and Applications, 2021, 15, 900-909.	2.1	7
6	Robust tracking control of bearing-constrained leader-follower formation. Automatica, 2021, 131, 109733.	5.0	34
7	Tracking Control of Directed Acyclic Formation via Target Point Localization. Lecture Notes in Networks and Systems, 2021, , 839-845.	0.7	2
8	Decentralized sliding-mode control laws for the bearing-based formation tracking problem. , 2021, , .		0
9	Pointing Consensus and Bearing-Based Solutions to the Fermat-Weber Location Problem. IEEE Transactions on Automatic Control, 2020, 65, 2339-2354.	5.7	11
10	Minimal and Redundant Bearing Rigidity: Conditions and Applications. IEEE Transactions on Automatic Control, 2020, 65, 4186-4200.	5.7	11
11	Comments on "Design of controllers with arbitrary convergence time" [Automatica 108710]. Automatica, 2020, 122, 109195.	5.0	6
12	Fixed-time network localization based on bearing measurements. , 2020, , .		5
13	Bearing-only control of directed cycle formations: Almost global convergence and hardware implementation. International Journal of Robust and Nonlinear Control, 2020, 30, 4789-4804.	3.7	11
14	Opinion Dynamics With Cross-Coupling Topics: Modeling and Analysis. IEEE Transactions on Computational Social Systems, 2020, 7, 632-647.	4.4	17
15	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
16	Continuous-time opinion dynamics on multiple interdependent topics. Automatica, 2020, 115, 108884.	5.0	35
17	Distance-based Formation Tracking with Unknown Bounded Reference Velocity. , 2020, , .		3
18	Consensus under biased alignment. Automatica, 2019, 110, 108605.	5.0	4

#	ARTICLE	IF	CITATIONS
19	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
20	Formation control of rigid graphs with flex edges. International Journal of Robust and Nonlinear Control, 2018, 28, 2543-2559.	3.7	5
21	Matrix-weighted consensus and its applications. Automatica, 2018, 89, 415-419.	5.0	73
22	Formations on directed cycles with bearing-only measurements. International Journal of Robust and Nonlinear Control, 2018, 28, 1074-1096.	3.7	27
23	Surrounding formation of star frameworks using bearing-only measurements. , 2018, , .		4
24	Bearing-Based Formation Control and Network Localization via Global Orientation Estimation. , 2018, , .		8
25	Infinitesimal Weak Rigidity and Stability Analysis on Three-Agent Formations. , 2018, , .		10
26	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
27	Pointing consensus for rooted out-branching graphs. , 2018, , .		4
28	Finite-time convergence of acyclic generically persistent formations. , 2018, , .		3
29	Comments on "Global stabilization of rigid formations in the plane [Automatica 49 (2013) 1436-1441]" Automatica, 2017, 77, 393-396.	5.0	16
30	The bearing-based multi-agent rendezvous problem on a circle. , 2017, , .		1
31	Planar Bearing-only Cyclic Pursuit for Target Capture. IFAC-PapersOnLine, 2017, 50, 10136-10141.	0.9	2
32	Matrix-weighted consensus with leader-following topologies. , 2017, , .		13
33	Distributed Nash equilibrium seeking of an aggregative game by a singular perturbed algorithm. , 2017, , .		2
34	A new bearing-only navigation law. , 2017, , .		4
35	Distributed coordination and control in combined AC-MT HVDC power grids. , 2017, , .		0
36	Finite-time bearing-only formation control. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
37	A finite-time convergence of acyclic generically persistent formation in 3-D using relative position measurements. , 2017, , .		1
38	Consensus under misaligned orientations. , 2017, , .		6
39	Distance-based directed formation control in three-dimensional space. , 2017, , .		3
40	Laman graphs are generically bearing rigid in arbitrary dimensions. , 2017, , .		15
41	Distance-based control of K4 formation with almost global convergence. , 2016, , .		12
42	Further analysis on graph rigidity. , 2016, , .		7
43	Guidance using bearing-only measurements with three beacons in the plane. Control Engineering Practice, 2016, 51, 81-91.	5.5	19
44	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
45	The Fermat-Weber location problem in single integrator dynamics using only local bearing angles. Automatica, 2015, 59, 90-96.	5.0	10
46	Control of a mobile agent using only bearing measurements in triangular region. , 2014, , .		5