

# Mengbin Ye

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

745  
citations

623188

14  
h-index

580395

25  
g-index

50  
all docs

50  
docs citations

50  
times ranked

578  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Applications of the Poincaré-Hopf Theorem: Epidemic Models and Lotka-Volterra Systems. IEEE Transactions on Automatic Control, 2022, 67, 1609-1624.               | 3.6 | 15        |
| 2  | Convergence and Equilibria Analysis of a Networked Bivirus Epidemic Model. SIAM Journal on Control and Optimization, 2022, 60, S323-S346.                         | 1.1 | 10        |
| 3  | A Mean-Field Analysis of a Network Behavioral Epidemic Model. , 2022, 6, 2533-2538.   |     | 8         |
| 4  | Game-theoretic modeling of collective decision making during epidemics. Physical Review E, 2021, 104, 024314.   | 0.8 | 24        |
| 5  | Collective patterns of social diffusion are shaped by individual inertia and trend-seeking. Nature Communications, 2021, 12, 5698.                                | 5.8 | 22        |
| 6  | Mathematical Models of Self-Appraisal in Social Networks. Journal of Systems Science and Complexity, 2021, 34, 1604-1633.   | 1.6 | 2         |
| 7  | On modeling social diffusion under the impact of dynamic norms. , 2021, , .   |     | 3         |
| 8  | Tight bound on parameter of surplus-based averaging algorithm over balanced digraphs. International Journal of Control, 2020, 93, 1859-1866.                      | 1.2 | 7         |
| 9  | Cooperative Localization of a GPS-Denied UAV Using Direction-of-Arrival Measurements. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1966-1978. | 2.6 | 34        |
| 10 | Consensus and Disagreement of Heterogeneous Belief Systems in Influence Networks. IEEE Transactions on Automatic Control, 2020, 65, 4679-4694.                    | 3.6 | 14        |
| 11 | A two-layer model for coevolving opinion dynamics and collective decision-making in complex social systems. Chaos, 2020, 30, 083107.                              | 1.0 | 28        |
| 12 | Opinion Dynamics With Cross-Coupling Topics: Modeling and Analysis. IEEE Transactions on Computational Social Systems, 2020, 7, 632-647.                          | 3.2 | 17        |
| 13 | Analysis of a nonlinear opinion dynamics model with biased assimilation. Automatica, 2020, 120, 109113.   | 3.0 | 19        |
| 14 | Continuous-time opinion dynamics on multiple interdependent topics. Automatica, 2020, 115, 108884.  | 3.0 | 35        |
| 15 | Distributed Feedback Control on the SIS Network Model: An Impossibility Result. IFAC-PapersOnLine, 2020, 53, 10955-10962.   | 0.5 | 5         |
| 16 | Expressed and Private Opinion Dynamics on Influence Networks with Asynchronous Updating. , 2020, , .  |     | 6         |
| 17 | A Coevolutionary Model for Actions and Opinions in Social Networks. , 2020, , .   |     | 5         |
| 18 | On a Network SIS Model with Opinion Dynamics. IFAC-PapersOnLine, 2020, 53, 2582-2587.   | 0.5 | 15        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Extrema without convexity and stability without Lyapunov. Communications in Information and Systems, 2020, 20, 253-281.   | 0.3 | 2         |
| 20 | A Network SIS Meta-Population Model with Transportation Flow. IFAC-PapersOnLine, 2020, 53, 2562-2567.   | 0.5 | 5         |
| 21 | Dynamical Networks of Social Influence: Modern Trends and Perspectives. IFAC-PapersOnLine, 2020, 53, 17616-17627.   | 0.5 | 8         |
| 22 | Forced variational integrator for distance-based shape control with flocking behavior of multi-agent systems. IFAC-PapersOnLine, 2020, 53, 3348-3353.                           | 0.5 | 5         |
| 23 | Leader Tracking of Euler-Lagrange Agents on Directed Switching Networks Using a Model-Independent Algorithm. IEEE Transactions on Control of Network Systems, 2019, 6, 561-571. | 2.4 | 9         |
| 24 | An influence network model to study discrepancies in expressed and private opinions. Automatica, 2019, 107, 371-381.  | 3.0 | 63        |
| 25 | Recent Advances in the Modelling and Analysis of Opinion Dynamics on Influence Networks. International Journal of Automation and Computing, 2019, 16, 129-149.                  | 4.5 | 89        |
| 26 | Opinion Dynamics and the Evolution of Social Power in Social Networks. Springer Theses, 2019, , .   | 0.0 | 13        |
| 27 | Event-Triggered Algorithms for Leader-Follower Consensus of Networked Euler-Lagrange Agents. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1435-1447.  | 5.9 | 68        |
| 28 | Modelling of Individual Behaviour in the DeGroot-Friedkin Self-Appraisal Dynamics on Social Networks. , 2019, , .   |     | 7         |
| 29 | Continuous-Time Opinion Dynamics with Interdependent Topics. Springer Theses, 2019, , 163-189.  | 0.0 | 0         |
| 30 | Modification of Social Dominance in Autocratic Networks. Springer Theses, 2019, , 125-145.  | 0.0 | 0         |
| 31 | Evolution of Social Power in Social Networks With Dynamic Topology. IEEE Transactions on Automatic Control, 2018, 63, 3793-3808.  | 3.6 | 53        |
| 32 | On the Effects of Heterogeneous Logical Interdependencies in a Multi-Dimensional Opinion Dynamics Model. , 2018, , .  |     | 3         |
| 33 | Discrete-Time Polar Opinion Dynamics with Heterogeneous Individuals. , 2018, , .  |     | 7         |
| 34 | Bearing-Based Formation Control and Network Localization via Global Orientation Estimation. , 2018, , .   |     | 8         |
| 35 | Nonlinear Mapping Convergence and Application to Social Networks. , 2018, , .   |     | 5         |
| 36 | Bearing-Only Measurement Self-Localization, Velocity Consensus and Formation Control. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 575-586.                 | 2.6 | 37        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Distributed model-independent consensus of Euler-Lagrange agents on directed networks. International Journal of Robust and Nonlinear Control, 2017, 27, 2428-2450.  | 2.1 | 20        |
| 38 | Cooperative Localisation of a GPS-Denied UAV in 3-Dimensional Space Using Direction of Arrival Measurements * *This work was supported by the Australian Research Council (ARC) under the ARC grants DP-130103610 and DP-160104500, and by Data61-CSIRO (formerly NICTA).. IFAC-PapersOnLine, 2017, 50, 8019-8024.  | 0.5 | 8         |
| 39 | of the DeGroot-Friedlin Model with Dynamic Relative Interaction Matrices * *This work was supported by the Australian Research Council (ARC) under the ARC grants DP-130103610 and DP-160104500, by the National Natural Science Foundation of China (grant 61375072), and by Data61-CSIRO (formerly NICTA). The work of Liu and BaÅyar was supported in part by Office of Naval Research (ONR) MURI Grant N00014-16-1-2710, and in part by NSF under grant CCF 11-11342. IFAC-PapersOnLine, 2017, 50, 11902-11907. | 0.5 | 7         |
| 40 | Matrix-weighted consensus with leader-following topologies. , 2017, , .   |     | 13        |
| 41 | Modification of social dominance in social networks by selective adjustment of interpersonal weights. , 2017, , .   |     | 4         |
| 42 | A variable gain model-independent algorithm for rendezvous of Euler-Lagrange agents on directed networks. , 2016, , .   |     | 0         |
| 43 | Cooperative localisation of UAVs in a GPS-denied environment using bearing measurements. , 2016, , .  |     | 3         |
| 44 | Model-independent trajectory tracking of Euler-Lagrange agents on directed networks. , 2016, , .  |     | 4         |
| 45 | Event-based leader-follower consensus for multiple Euler-Lagrange systems with parametric uncertainties. , 2016, , .  |     | 20        |
| 46 | Model-independent rendezvous of Euler-Lagrange agents on directed networks. , 2015, , .   |     | 9         |
| 47 | Multiagent self-localization using bearing only measurements. , 2013, , .   |     | 6         |