Ning Cai

List of Publications by Citations

41 papers	**484** citations	**11** h-index	**21** g-index
58 ext. papers	**641** ext. citations	**2.3** avg, IF	**4.26** L-index

#	Paper	IF	Citations
41	Consensus problems for high-order linear time-invariant swarm systems. *Physica A: Statistical Mechanics and Its Applications*, **2010**, 389, 5619-5627	3.3	71
40	Swarm stability of high-order linear time-invariant swarm systems. *IET Control Theory and Applications*, **2011**, 5, 402-408	2.5	50
39	Formation controllability of high-order linear time-invariant swarm systems. *IET Control Theory and Applications*, **2010**, 4, 646-654	2.5	48
38	Dynamical Response of Electrical Activities in Digital Neuron Circuit Driven by Autapse. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750187	2	42
37	Adaptive sliding mode dynamic controller with integrator in the loop for nonholonomic wheeled mobile robot trajectory tracking. *International Journal of Control*, **2014**, 87, 964-975	1.5	39
36	A Novel Clustering Method Based on Quasi-Consensus Motions of Dynamical Multiagent Systems. *Complexity*, **2017**, 2017, 1-8	1.6	36
35	On Performance of Peer Review for Academic Journals: Analysis Based on Distributed Parallel System. *IEEE Access*, **2019**, 7, 19024-19032	3.5	33
34	On Almost Controllability of Dynamical Complex Networks with Noises. *Journal of Systems Science and Complexity*, **2019**, 32, 1125-1139	1	27
33	Swarm Stability Analysis of Nonlinear Dynamical Multi-Agent Systems via Relative Lyapunov Function. *Arabian Journal for Science and Engineering*, **2014**, 39, 2427-2434		21
32	Field coupling-induced pattern formation in two-layer neuronal network. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 501, 141-152	3.3	15
31	Consensus of swarm systems with time delays and topology uncertainties. *IET Control Theory and Applications*, **2013**, 7, 1168-1178	2.5	11
30	Adaptive Guaranteed-Performance Consensus Control for Multi-Agent Systems with an Adjustable Convergence Speed. *Discrete Dynamics in Nature and Society*, **2019**, 2019, 1-9	1.1	10
29	Almost decouplability of any directed weighted network topology. *Physica A: Statistical Mechanics and Its Applications*, **2015**, 436, 637-645	3.3	9
28	On quantitatively measuring controllability of complex networks. *Physica A: Statistical Mechanics and Its Applications*, **2017**, 474, 282-292	3.3	8
27	A controllability synthesis problem for dynamic multi-agent systems with linear high-order protocol. *International Journal of Control, Automation and Systems*, **2014**, 12, 1366-1371	2.9	8
26	Trajectory Planning with Pose Feedback for a Dual-Arm Space Robot. *Journal of Control Science and Engineering*, **2016**, 2016, 1-9	1.2	7
25	Analysis of Effects to Journal Impact Factors Based on Citation Networks Generated via Social Computing. *IEEE Access*, **2019**, 7, 19775-19781	3.5	6

24	Agent-based model for rural–urban migration: A dynamic consideration. *Physica A: Statistical Mechanics and Its Applications*, **2015**, 436, 806-813	3.3	6
23	Energy efficient EDF-VD-based mixed-criticality scheduling with shared resources. *Journal of Systems Architecture*, **2021**, 119, 102246	5.5	6
22	Output formation tracking for networked systems with limited energy and aperiodic silence. *Chinese Journal of Aeronautics*, **2021**,	3.7	4
21	Swarm stability of linear time-invariant descriptor compartmental networks. *IET Control Theory and Applications*, **2015**, 9, 793-800	2.5	3
20	Analysis of journal evaluation indicators: an experimental study based on unsupervised Laplacian score. *Scientometrics*, **2020**, 124, 233-254	3	3
19	On Controllability Problems of High-Order Dynamical Multi-Agent Systems. *Arabian Journal for Science and Engineering*, **2014**, 39, 4261-4267		3
18	On generalized controllability canonical form with multiple input variables. *International Journal of Control, Automation and Systems*, **2017**, 15, 169-177	2.9	2
17	Clustering by group consensus of unstable dynamic linear high-order multi-agent systems **2015**,		2
16	Modeling and Simulation Analysis of Journal Impact Factor Dynamics Based on Submission and Citation Rules. *Complexity*, **2020**, 2020, 1-17	1.6	2
15	**2010**,		2
14	Swarm Stability of Compartmental Networks with Linear Time-Invariant High-Order Dynamical Protocol **2011**,		2
13	ASYMPTOTIC SWARM STABILITY OF HIGH-ORDER MULTI-AGENT SYSTEMS: CONDITION AND APPLICATION. *Control and Intelligent Systems*, **2012**, 40,		2
12	Data Fusion of Multivariate Time Series: Application to Noisy 12-Lead ECG Signals. *Applied Sciences (Switzerland)*, **2019**, 9, 105	2.6	1
11	A neural network–based sliding mode controller of folding-boom aerial work platform. *Advances in Mechanical Engineering*, **2017**, 9, 168781401772087	1.2	1
10	**2016**,		1
9	. *IEEE Transactions on Computational Social Systems*, **2019**, 6, 518-524	4.5	0
8	A Backstepping Controller with the RBF Neural Network for Folding-Boom Aerial Work Platform. *Complexity*, **2022**, 2022, 1-9	1.6	0
7	On non-consensus motions of dynamical linear multiagent systems **2018**, 91, 1		

6	Drive Control of a Class of Scan Systems. *Applied Mechanics and Materials*, **2013**, 397-400, 1184-1187	0.3
5	Consensus Analysis of Nonlinear Dynamical Multi-Agent Systems by Relative Lyapunov Function Method. *Advanced Materials Research*, **2012**, 482-484, 1969-1972	0.5
4	Weighted P-Rank: a Weighted Article Ranking Algorithm Based on a Heterogeneous Scholarly Network. *Lecture Notes in Computer Science*, **2021**, 537-548	0.9
3	On Time Effect of Preschool Education: Social Analysis Based on CUCDS. *Complexity*, **2021**, 2021, 1-10	1.6
2	Decentralized Modeling, Analysis, Control, and Application of Distributed Dynamic Systems. *Journal of Control Science and Engineering*, **2016**, 2016, 1-2	1.2
1	Energy-Constraint Output Formation for Networked Systems With Random Communication Silence and Switching Topologies. *IEEE Access*, **2021**, 9, 8312-8323	3.5