

Ning Cai

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

721
citations

686830

13
h-index

552369

26
g-index

58
all docs

58
docs citations

58
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus problems for high-order linear time-invariant swarm systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 5619-5627.	1.2	94
2	Swarm stability of high-order linear time-invariant swarm systems. <i>IET Control Theory and Applications</i> , 2011, 5, 402-408.	1.2	70
3	Adaptive sliding mode dynamic controller with integrator in the loop for nonholonomic wheeled mobile robot trajectory tracking. <i>International Journal of Control</i> , 2014, 87, 964-975.	1.2	60
4	Formation controllability of high-order linear time-invariant swarm systems. <i>IET Control Theory and Applications</i> , 2010, 4, 646-654.	1.2	57
5	A Novel Clustering Method Based on Quasi-Consensus Motions of Dynamical Multiagent Systems. <i>Complexity</i> , 2017, 2017, 1-8.	0.9	47
6	Dynamical Response of Electrical Activities in Digital Neuron Circuit Driven by Autapse. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750187.	0.7	46
7	On Almost Controllability of Dynamical Complex Networks with Noises. <i>Journal of Systems Science and Complexity</i> , 2019, 32, 1125-1139.	1.6	45
8	On Performance of Peer Review for Academic Journals: Analysis Based on Distributed Parallel System. <i>IEEE Access</i> , 2019, 7, 19024-19032.	2.6	41
9	Swarm Stability Analysis of Nonlinear Dynamical Multi-Agent Systems via Relative Lyapunov Function. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 2427-2434.	1.1	37
10	Field coupling-induced pattern formation in two-layer neuronal network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 501, 141-152.	1.2	22
11	Consensus of swarm systems with time delays and topology uncertainties. <i>IET Control Theory and Applications</i> , 2013, 7, 1168-1178.	1.2	17
12	A controllability synthesis problem for dynamic multi-agent systems with linear high-order protocol. <i>International Journal of Control, Automation and Systems</i> , 2014, 12, 1366-1371.	1.6	15
13	Almost decouplability of any directed weighted network topology. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 637-645.	1.2	15
14	Output formation tracking for networked systems with limited energy and aperiodic silence. <i>Chinese Journal of Aeronautics</i> , 2022, 35, 274-288.	2.8	15
15	On quantitatively measuring controllability of complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 474, 282-292.	1.2	14
16	Energy efficient EDF-VD-based mixed-criticality scheduling with shared resources. <i>Journal of Systems Architecture</i> , 2021, 119, 102246.	2.5	14
17	Agent-based model for rural-urban migration: A dynamic consideration. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 806-813.	1.2	12
18	Adaptive Guaranteed-Performance Consensus Control for Multi-Agent Systems with an Adjustable Convergence Speed. <i>Discrete Dynamics in Nature and Society</i> , 2019, 2019, 1-9.	0.5	11

#	ARTICLE	IF	CITATIONS
19	Analysis of Effects to Journal Impact Factors Based on Citation Networks Generated via Social Computing. IEEE Access, 2019, 7, 19775-19781.	2.6	11
20	Analysis of journal evaluation indicators: an experimental study based on unsupervised Laplacian score. Scientometrics, 2020, 124, 233-254.	1.6	9
21	Swarm stability of linear time-invariant descriptor compartmental networks. IET Control Theory and Applications, 2015, 9, 793-800.	1.2	8
22	Trajectory Planning with Pose Feedback for a Dual-Arm Space Robot. Journal of Control Science and Engineering, 2016, 2016, 1-9.	0.8	8
23	On generalized controllability canonical form with multiple input variables. International Journal of Control, Automation and Systems, 2017, 15, 169-177.	1.6	6
24	ASYMPTOTIC SWARM STABILITY OF HIGH-ORDER MULTI-AGENT SYSTEMS: CONDITION AND APPLICATION. Control and Intelligent Systems, 2012, 40, .	0.3	5
25	On Controllability Problems of High-Order Dynamical Multi-Agent Systems. Arabian Journal for Science and Engineering, 2014, 39, 4261-4267.	1.1	4
26	A Social Computing-Based Analysis on Monogamous Marriage Puzzle of Human. IEEE Transactions on Computational Social Systems, 2019, 6, 518-524.	3.2	4
27	Data Fusion of Multivariate Time Series: Application to Noisy 12-Lead ECG Signals. Applied Sciences (Switzerland), 2019, 9, 105.	1.3	4
28	Modeling and Simulation Analysis of Journal Impact Factor Dynamics Based on Submission and Citation Rules. Complexity, 2020, 2020, 1-17.	0.9	4
29	A Backstepping Controller with the RBF Neural Network for Folding-Boom Aerial Work Platform. Complexity, 2022, 2022, 1-9.	0.9	4
30	Clustering by group consensus of unstable dynamic linear high-order multi-agent systems. , 2015, , .		3
31	An agent-based simulation model to analyze journal impact factor. , 2018, , .		3
32	On Time Effect of Preschool Education: Social Analysis Based on CUCDS. Complexity, 2021, 2021, 1-10.	0.9	3
33	Necessary and sufficient conditions for asymptotic swarm stability of high order swarm systems. , 2010, , .		2
34	Swarm Stability of Compartmental Networks with Linear Time-Invariant High-Order Dynamical Protocol. , 2011, , .		2
35	A neural network-based sliding mode controller of folding-boom aerial work platform. Advances in Mechanical Engineering, 2017, 9, 168781401772087.	0.8	2
36	A generalized controllability canonical form of multi-input linear systems. , 2015, , .		1

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37	Almost exact controllability of dynamic complex networks. , 2016, , .		1
38	On a novel current control method for matrix converter. , 2017, , .		1
39	Data fusion of multivariate time series based on local weighted zero-order prediction algorithm. , 2017, , .		1
40	Modeling and Analysis of a Type of Quadrupole Magnet Power Supply. , 2018, , .		1
41	Parallel Analysis on Novel Peer Review System for Academic Journals. , 2021, , .		1
42	Consensus Analysis of Nonlinear Dynamical Multi-Agent Systems by Relative Lyapunov Function Method. Advanced Materials Research, 2012, 482-484, 1969-1972.	0.3	0
43	Swarm stability analysis of dynamical multi-agent systems and applications in rural-urban migration: Literature overview. , 2012, , .		0
44	Controllability Synthesis of Compartmental Networks with Single Leader. , 2012, , .		0
45	Drive Control of a Class of Scan Systems. Applied Mechanics and Materials, 2013, 397-400, 1184-1187.	0.2	0
46	An anti-consensus problem of a class of dynamic multi-agent systems with sociological background. , 2015, , .		0
47	Decentralized Modeling, Analysis, Control, and Application of Distributed Dynamic Systems. Journal of Control Science and Engineering, 2016, 2016, 1-2.	0.8	0
48	Anti-consensus of dynamic LTI multi-agent systems. , 2016, , .		0
49	Robust group consensus analysis of multi-agent systems with nonlinear dynamics. , 2016, , .		0
50	Swarm stability of a class of singular dynamical multi-agent systems. , 2016, , .		0
51	An index to measure controllability of complex networks. , 2017, , .		0
52	On non-consensus motions of dynamical linear multiagent systems. Pramana - Journal of Physics, 2018, 91, 1.	0.9	0
53	Energy-Constraint Output Formation for Networked Systems With Random Communication Silence and Switching Topologies. IEEE Access, 2021, 9, 8312-8323.	2.6	0
54	A Parallel Model to Analyze Effectiveness of Peer Review for Academic Journals. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	Joint Behaviors of Submission and Citation-Based Study on Temporal Variation of Journal Impact Factor. , 2021, , .		0