Jun-An Lu

List of Publications by Year
in descending order

69 papers	3,325 citations	201674 27 h-index	144013 57 g-index
69 all docs	69 docs citations	69 times ranked	1458 citing authors

#	Article	IF	Citations
1	Estimating the Region of Attraction on Controlled Complex Networks With Time-Varying Delay. IEEE Transactions on Automatic Control, 2023, 68, 516-523.	5.7	3
2	A Topological Mechanism of Superdiffusion on Duplex Networks. IEEE Transactions on Control of Network Systems, 2023, 10, 556-563.	3.7	5
3	Adaptive Exponential Synchronization of Complex Networks With Nondifferentiable Time-Varying Delay. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8124-8130.	11.3	3
4	Synchronization of Complex Networks With Nondifferentiable Time-Varying Delay. IEEE Transactions on Cybernetics, 2022, 52, 3342-3348.	9.5	13
5	Topology Identification of Multilink Complex Dynamical Networks via Adaptive Observers Incorporating Chaotic Exosignals. IEEE Transactions on Cybernetics, 2022, 52, 6255-6268.	9.5	16
6	Bounded Synchronization of Heterogeneous Complex Dynamical Networks: A Unified Approach. IEEE Transactions on Automatic Control, 2021, 66, 1756-1762.	5.7	29
7	Optimizing Pinning Control of Complex Dynamical Networks Based on Spectral Properties of Grounded Laplacian Matrices. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 786-796.	9.3	45
8	A New Method for Topology Identification of Complex Dynamical Networks. IEEE Transactions on Cybernetics, 2021, 51, 2224-2231.	9.5	38
9	Cluster Synchronization of Two-Layer Networks via Aperiodically Intermittent Pinning Control. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1338-1342.	3.0	7
10	Finite-Time Synchronization of Impulsive Dynamical Networks With Strong Nonlinearity. IEEE Transactions on Automatic Control, 2021, 66, 3550-3561.	5.7	26
11	The combination of targeted vaccination and ring vaccination. Chaos, 2021, 31, 063108.	2.5	1
12	Superdiffusion criteria on duplex networks. Chaos, 2021, 31, 073108.	2.5	7
13	Synchronizability of double-layer dumbbell networks. Chaos, 2021, 31, 073101.	2.5	11
14	Synchronizability of two-layer correlation networks. Chaos, 2021, 31, 103124.	2.5	5
15	Topology Identification in Two-Layer Complex Dynamical Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 538-548.	6.4	33
16	Topology Identification of Multiplex Delayed Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 290-294.	3.0	17
17	The effect of behavior of wearing masks on epidemic dynamics. Nonlinear Dynamics, 2020, 101, 1995-2001.	5.2	18
18	Statistical and network analysis of 1212 COVID-19 patients in Henan, China. International Journal of Infectious Diseases, 2020, 95, 391-398.	3.3	53

#	Article	IF	Citations
19	Node Importance in Controlled Complex Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 437-441.	3.0	39
20	Pinning Synchronization of Multiplex Delayed Networks With Stochastic Perturbations. IEEE Transactions on Cybernetics, 2019, 49, 4262-4270.	9.5	58
21	Estimating the Region of Attraction on a Complex Dynamical Network. SIAM Journal on Control and Optimization, 2019, 57, 1189-1208.	2.1	20
22	Cluster synchronization: From single-layer to multi-layer networks. Chaos, 2019, 29, 123120.	2.5	13
23	Master stability functions for complete, intralayer, and interlayer synchronization in multiplex networks of coupled RÃ¶ssler oscillators. Physical Review E, 2019, 99, 012304.	2.1	98
24	Adaptive Diffusion Processes of Time-Varying Local Information on Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1592-1596.	3.0	11
25	Maximizing synchronizability of duplex networks. Chaos, 2018, 28, 013110.	2.5	24
26	Identifying partial topology of complex dynamical networks via a pinning mechanism. Chaos, 2018, 28, 043108.	2.5	27
27	Compressive-Sensing-Based Structure Identification for Multilayer Networks. IEEE Transactions on Cybernetics, 2018, 48, 754-764.	9.5	129
28	Graph Comparison and Coupling Strength Allocation for Synchronization in Multiplex Networks. , 2018, , .		1
29	Phase synchronization on spatially embedded duplex networks with total cost constraint. Chaos, 2018, 28, 093101.	2.5	5
30	A Weighted Multi-Local-World Network Evolving Model and Its Application in Software Network Modeling. Mathematical Problems in Engineering, 2018, 2018, 1-9.	1.1	0
31	Optimizing Pinning Control of Directed Networks Using Spectral Graph Theory. Lecture Notes in Computer Science, 2018, , 59-70.	1.3	1
32	Identifying structures of continuously-varying weighted networks. Scientific Reports, 2016, 6, 26649.	3.3	21
33	Cooperative spreading processes in multiplex networks. Chaos, 2016, 26, 065311.	2.5	24
34	Reconstruction of complex networks with delays and noise perturbation based on generalized outer synchronization. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 225101.	2.1	5
35	Finiteâ€time stabilization of complex dynamical networks via optimal control. Complexity, 2016, 21, 417-425.	1.6	79
36	Identifying Topologies of Complex Dynamical Networks With Stochastic Perturbations. IEEE Transactions on Control of Network Systems, 2016, 3, 379-389.	3.7	74

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37	Synchronizability of Duplex Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 206-210.	3.0	122
38	Driving-based generalized synchronization in two-layer networks via pinning control. Chaos, 2015, 25, 113104.	2.5	35
39	Bifurcation behaviors of synchronized regions in logistic map networks with coupling delay. Chaos, 2015, 25, 033101.	2.5	10
40	Synchronization in Directed Complex Networks Using Graph Comparison Tools. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1185-1194.	5.4	30
41	Recovering network topologies via Taylor expansion and compressive sensing. Chaos, 2015, 25, 043102.	2.5	25
42	Synchronizability of two-layer networks. European Physical Journal B, 2015, 88, 1.	1.5	42
43	Topology identification of complex dynamical networks based on generalized outer synchronization. , 2014, , .		2
44	Bifurcation Analysis of Synchronized Regions in Complex Dynamical Networks with Coupling Delay. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450011.	1.7	24
45	Some notes for synchronization in complex networks. , 2014, , .		0
46	Topology identification of complex networks from noisy time series using ROC curve analysis. Nonlinear Dynamics, 2014, 75, 761-768.	5.2	15
47	Identifying influential spreaders in artificial complex networks. Journal of Systems Science and Complexity, 2014, 27, 650-665.	2.8	28
48	Recovering Structures of Complex Dynamical Networks Based on Generalized <newline/>Outer Synchronization. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 3216-3224.	5.4	51
49	Consensus of second-order multi-agent systems with nonlinear dynamics and time delay. Nonlinear Dynamics, 2014, 78, 495-503.	5.2	36
50	Impact of node dynamics parameters on topology identification of complex dynamical networks. Nonlinear Dynamics, 2013, 73, 1081-1097.	5.2	15
51	Generalized Outer Synchronization between Complex Networks with Unknown Parameters. Abstract and Applied Analysis, 2013, 2013, 1-9.	0.7	5
52	BIFURCATION ANALYSIS OF SYNCHRONIZED REGIONS IN COMPLEX DYNAMICAL NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250282.	1.7	24
53	A SIMPLE YET COMPLEX ONE-PARAMETER FAMILY OF GENERALIZED LORENZ-LIKE SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250116.	1.7	16
54	Detecting the topologies of complex networks with stochastic perturbations. Chaos, 2011, 21, 043129.	2.5	43

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55	Bidirectionally coupled synchronization of the generalized Lorenz systems. Journal of Systems Science and Complexity, 2011, 24, 433-448.	2.8	10
56	Impulsive control induced effects on dynamics of single andÂcoupled ODE systems. Nonlinear Dynamics, 2010, 59, 101-111.	5.2	9
57	Projectively lag synchronization and uncertain parameters identification of a new hyperchaotic system. Nonlinear Dynamics, 2010, 62, 427-435.	5.2	14
58	Topology identification of complex dynamical networks. Chaos, 2010, 20, 023119.	2.5	52
59	Impulsive synchronization on complex networks of nonlinear dynamical systems. , 2010, , .		2
60	Robust synchronization of weighted complex dynamical networks. , 2009, , .		1
61	Structure identification of uncertain general complex dynamical networks with time delay. Automatica, 2009, 45, 1799-1807.	5.0	241
62	Pinning a Complex Delayed Dynamical Network to a Homogenous Trajectory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 514-518.	3.0	35
63	Synchronization: An Obstacle to Identification of Network Topology. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 310-314.	3.0	77
64	Identifying the Topology of a Coupled FitzHughâ€“Nagumo Neurobiological Network via a Pinning Mechanism. IEEE Transactions on Neural Networks, 2009, 20, 1679-1684.	4.2	50
65	Pinning adaptive synchronization of a general complex dynamical network. Automatica, 2008, 44, 996-1003.	5.0	519
66	GENERATING AN ASSORTATIVE NETWORK WITH A GIVEN DEGREE DISTRIBUTION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3495-3502.	1.7	17
67	Pinning synchronization of delayed neural networks. Chaos, 2008, 18, 043111.	2.5	75
68	Topology identification of weighted complex dynamical networks. Physica A: Statistical Mechanics and Its Applications, 2007, 386, 481-491.	2.6	143
69	Adaptive Synchronization of an Uncertain Complex Dynamical Network. IEEE Transactions on Automatic Control, 2006, 51, 652-656.	5.7	598