

# Temporal networks

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Efficient community-based control strategies in adaptive networks. <i>New Journal of Physics</i> , 2012, 14, 123017.	1.2	34
2	Long-range navigation on complex networks using Lévy random walks. <i>Physical Review E</i> , 2012, 86, 056110.	0.8	58
3	Dynamics of link states in complex networks: The case of a majority rule. <i>Physical Review E</i> , 2012, 86, 066113.	0.8	10
4	Pairwise Interaction Pattern in the Weighted Communication Network. , 2012, , .		1
5	Bistability through Triadic Closure. <i>Internet Mathematics</i> , 2012, 8, 402-423.	0.7	12
6	A network-based dynamical ranking system for competitive sports. <i>Scientific Reports</i> , 2012, 2, 904.	1.6	46
7	Random Walks and Search in Time-Varying Networks. <i>Physical Review Letters</i> , 2012, 109, 238701.	2.9	153
8	Pearl-necklace-like structures of microparticle strings observed in a dc complex plasma. <i>Physical Review E</i> , 2012, 86, 065401.	0.8	15
9	Towards a temporal network analysis of interactive WiFi users. <i>Europhysics Letters</i> , 2012, 98, 68002.	0.7	52
10	Bursty egocentric network evolution in Skype. <i>Social Network Analysis and Mining</i> , 2013, 3, 1393-1401.	1.9	14
11	A Matrix Iteration for Dynamic Network Summaries. <i>SIAM Review</i> , 2013, 55, 118-128.	4.2	55
12	Adaptation and learning of molecular networks as a description of cancer development at the systems-level: Potential use in anti-cancer therapies. <i>Seminars in Cancer Biology</i> , 2013, 23, 262-269.	4.3	25
13	An infectious disease model on empirical networks of human contact: bridging the gap between dynamic network data and contact matrices. <i>BMC Infectious Diseases</i> , 2013, 13, 185.	1.3	90
14	Burstiness and spreading on temporal networks. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	58
15	Topological properties of a time-integrated activity-driven network. <i>Physical Review E</i> , 2013, 87, 062807.	0.8	53
16	Models, Entropy and Information of Temporal Social Networks. <i>Understanding Complex Systems</i> , 2013, , 95-117.	0.3	7
17	Collective behavior and evolutionary games – An introduction. <i>Chaos, Solitons and Fractals</i> , 2013, 56, 1-5.	2.5	146
18	Communicability in temporal networks. <i>Physical Review E</i> , 2013, 88, 042811.	0.8	43

#	ARTICLE	IF	CITATIONS
19	Immunization strategies for epidemic processes in time-varying contact networks. Journal of Theoretical Biology, 2013, 337, 89-100.	0.8	71
20	Link prediction with social vector clocks. , 2013, , .		16
22	Temporal Networks: Slowing Down Diffusion by Long Lasting Interactions. Physical Review Letters, 2013, 111, 188701.	2.9	116
23	Network-Based Approaches in Drug Discovery and Early Development. Clinical Pharmacology and Therapeutics, 2013, 94, 651-658.	2.3	82
24	Advances in dynamic temporal networks: Understanding the temporal dynamics of complex adaptive networks. European Physical Journal: Special Topics, 2013, 222, 1287-1293.	1.2	8
25	An approach for dynamical network reconstruction of simple network motifs. BMC Systems Biology, 2013, 7, S4.	3.0	0
26	Discovering and validating influence in a dynamic online social network. Social Network Analysis and Mining, 2013, 3, 1311-1323.	1.9	28
27	Betweenness Preference: Quantifying Correlations in the Topological Dynamics of Temporal Networks. Physical Review Letters, 2013, 110, 198701.	2.9	108
28	On networked non-cooperative games &#x2014; A semi-tensor product approach. , 2013, , .		4
29	On the impact of disorder on dynamic network navigation. , 2013, , .		0
30	Strategies, Political Position, and Electoral Performance of Brazilian Political Parties. , 2013, , .		1
31	Robust detection of dynamic community structure in networks. Chaos, 2013, 23, 013142.	1.0	400
32	Fingerprinting temporal networks of close-range human proximity. , 2013, , .		5
33	Statistical mechanics of multiedge networks. Physical Review E, 2013, 88, 062806.	0.8	22
34	Threshold model of cascades in empirical temporal networks. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 3476-3483.	1.2	93
35	Theory of interface: Category theory, directed networks and evolution of biological networks. BioSystems, 2013, 114, 125-148.	0.9	4
36	Stochastic analysis of epidemics on adaptive time varying networks. Physical Review E, 2013, 87, 062810.	0.8	25
37	Temporal dynamics and impact of event interactions in cyber-social populations. Chaos, 2013, 23, 013131.	1.0	28

#	ARTICLE	IF	CITATIONS
38	Structure and dynamics of molecular networks: A novel paradigm of drug discovery. , 2013, 138, 333-408.		779
39	Tuning Synchronization of Integrate-and-Fire Oscillators through Mobility. Physical Review Letters, 2013, 110, 114101.	2.9	39
40	Modeling Human Dynamics of Face-to-Face Interaction Networks. Physical Review Letters, 2013, 110, 168701.	2.9	102
41	Modeling Temporal Networks Using Random Itineraries. Physical Review Letters, 2013, 110, 158702.	2.9	29
42	Networks in Cognitive Science. Trends in Cognitive Sciences, 2013, 17, 348-360.	4.0	267
43	Social science in the era of big data. Policy and Internet, 2013, 5, 147-160.	2.0	96
44	On the impact of disorder on dynamic network navigation. , 2013, , .		1
45	Mathematical Formulation of Multilayer Networks. Physical Review X, 2013, 3, .	2.8	513
46	Co-evolution of networks and quantum dynamics: a generalization of preferential attachment. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P08016.	0.9	2
47	How disorder impacts routing in human-centric disruption tolerant networks. , 2013, , .		5
48	Community Vitality in Dynamic Temporal Networks. International Journal of Distributed Sensor Networks, 2013, 9, 281565.	1.3	4
49	Time-varying social networks in a graph database. , 2013, , .		42
50	Temporal Networks of Face-to-Face Human Interactions. Understanding Complex Systems, 2013, , 191-216.	0.3	22
51	Bursts of Vertex Activation and Epidemics in Evolving Networks. PLoS Computational Biology, 2013, 9, e1002974.	1.5	90
52	Application of Link Prediction in Temporal Networks. Advanced Materials Research, 2013, 756-759, 2231-2236.	0.3	4
53	Edge union of networks on the same vertex set. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 245002.	0.7	2
54	Task-Based Core-Periphery Organization of Human Brain Dynamics. PLoS Computational Biology, 2013, 9, e1003171.	1.5	302
55	Epidemiologically Optimal Static Networks from Temporal Network Data. PLoS Computational Biology, 2013, 9, e1003142.	1.5	60

#	ARTICLE	IF	CITATIONS
56	TREND PREDICTION IN TEMPORAL BIPARTITE NETWORKS: THE CASE OF MOVIELENS, NETFLIX, AND DIGG. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350024.	0.9	34
57	Understanding metropolitan patterns of daily encounters. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13774-13779.	3.3	186
58	Suppression of epidemic outbreaks with heavy-tailed contact dynamics. Europhysics Letters, 2013, 103, 50002.	0.7	24
59	Reliability and Efficiency of Generalized Rumor Spreading Model on Complex Social Networks. Communications in Theoretical Physics, 2013, 60, 139-144.	1.1	8
60	Core-Based Dynamic Community Detection in Mobile Social Networks. Entropy, 2013, 15, 5419-5438.	1.1	18
61	Natural Emergence of Clusters and Bursts in Network Evolution. Physical Review X, 2013, 3, .	2.8	15
62	Mutual selection in time-varying networks. Physical Review E, 2013, 88, 042804.	0.8	24
63	Control Capacity and A Random Sampling Method in Exploring Controllability of Complex Networks. Scientific Reports, 2013, 3, 2354.	1.6	118
64	Disentangling different types of El Niño episodes by evolving climate network analysis. Physical Review E, 2013, 88, 052807.	0.8	79
65	Growth dominates choice in network percolation. Physical Review E, 2013, 88, 032141.	0.8	9
66	On the clustering coefficients of temporal networks and epidemic dynamics. , 2013, , .		2
67	Contagion dynamics in time-varying metapopulation networks. Physical Review E, 2013, 87, .	0.8	70
68	Quantifying the effect of temporal resolution on time-varying networks. Scientific Reports, 2013, 3, 3006.	1.6	115
69	Calling patterns in human communication dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1600-1605.	3.3	147
70	Unfolding Accessibility Provides a Macroscopic Approach to Temporal Networks. Physical Review Letters, 2013, 110, 118701.	2.9	99
71	Inferring Directed Static Networks of Influence from Undirected Temporal Networks. , 2013, , .		3
72	Core-based community evolution in mobile social networks. , 2013, , .		1
73	Temporal Networks. Understanding Complex Systems, 2013, , .	0.3	127

#	ARTICLE	IF	CITATIONS
74	Graph Metrics for Temporal Networks. <i>Understanding Complex Systems</i> , 2013, , 15-40.	0.3	159
75	Beyond genealogies: Mutual information of causal paths to analyse single cell tracking data. , 2013, , .		0
76	Temporal motifs reveal homophily, gender-specific patterns, and group talk in call sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18070-18075.	3.3	127
77	Activity clocks: spreading dynamics on temporal networks of human contact. <i>Scientific Reports</i> , 2013, 3, 3099.	1.6	49
78	Dynamic network centrality summarizes learning in the human brain. <i>Journal of Complex Networks</i> , 2013, 1, 83-92.	1.1	60
79	Heterogeneity and subjectivity in binary-state opinion formation systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P11013.	0.9	4
80	Multidisciplinary applications of complex networks modeling, simulation, visualization, and analysis. <i>Complex Adaptive Systems Modeling</i> , 2013, 1, .	1.6	9
81	Fast centrality-driven diffusion in dynamic networks. , 2013, , .		7
82	Multilayer Networks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	50
84	On the Robustness of In- and Out-Components in a Temporal Network. <i>PLoS ONE</i> , 2013, 8, e55223.	1.1	42
85	Interlocking Directorates in Italy: Persistent Links in Network Dynamics. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
86	Detecting the Community Structure and Activity Patterns of Temporal Networks: A Non-Negative Tensor Factorization Approach. <i>PLoS ONE</i> , 2014, 9, e86028.	1.1	182
87	Emergence of Blind Areas in Information Spreading. <i>PLoS ONE</i> , 2014, 9, e95785.	1.1	16
88	DyCoNet: A Gephi Plugin for Community Detection in Dynamic Complex Networks. <i>PLoS ONE</i> , 2014, 9, e101357.	1.1	41
89	Measuring Long-Term Impact Based on Network Centrality: Unraveling Cinematic Citations. <i>PLoS ONE</i> , 2014, 9, e108857.	1.1	27
90	Robustness of skeletons and salient features in networks. <i>Journal of Complex Networks</i> , 2014, 2, 110-120.	1.1	11
91	Temporal network approach to unraveling collective neuron firings. <i>Journal of Complex Networks</i> , 2014, 2, 74-84.	1.1	1
92	Regional and inter-regional effects in evolving climate networks. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 451-462.	0.6	18

#	ARTICLE	IF	CITATIONS
94	Competitive dynamics of lexical innovations in multi-layer networks. International Journal of Modern Physics C, 2014, 25, 1450048.	0.8	6
95	Effects of multiple spreaders in community networks. International Journal of Modern Physics C, 2014, 25, 1440013.	0.8	16
96	Limitation of degree information for analyzing the interaction evolution in online social networks. International Journal of Modern Physics C, 2014, 25, 1450056.	0.8	12
97	Multilayer networks. Journal of Complex Networks, 2014, 2, 203-271.	1.1	2,388
98	Efficient allocation of heterogeneous response times in information spreading process. Chaos, 2014, 24, 033113.	1.0	25
99	Impact of the time pattern of human behaviors on information spreading. International Journal of Modern Physics C, 2014, 25, 1450063.	0.8	4
100	Epidemic spreading in time-varying community networks. Chaos, 2014, 24, 023116.	1.0	85
101	Spreading dynamics on networks: the role of burstiness, topology and non-stationarity. New Journal of Physics, 2014, 16, 073037.	1.2	42
102	Statistically validated mobile communication networks: the evolution of motifs in European and Chinese data. New Journal of Physics, 2014, 16, 083038.	1.2	39
103	Random walk centrality for temporal networks. New Journal of Physics, 2014, 16, 063023.	1.2	50
104	Characterizing Motif Dynamics of Electric Brain Activity Using Symbolic Analysis. Entropy, 2014, 16, 5654-5667.	1.1	1
105	Structural controllability of temporal networks. New Journal of Physics, 2014, 16, 123055.	1.2	55
106	Incremental stability of bimodal Filippov systems in $\mathbb{R}^n$ , 2014, , .		2
107	A Hybrid Visual Analytics Approach to Dynamic Space-Based Networks. , 2014, , .		0
108	Visual Models of Time-Varying Topology of Space-Based Networks. , 2014, , .		1
109	Connected Components and Credential Hopping in Authentication Graphs. , 2014, , .		16
110	Resilient distributed consensus for tree topology. , 2014, , .		5
111	Statistical validation of high-dimensional models of growing networks. Physical Review E, 2014, 89, 032801.	0.8	21

#	ARTICLE	IF	CITATIONS
112	Temporal stability of network partitions. <i>Physical Review E</i> , 2014, 90, 022813.	0.8	13
113	Interplay of network dynamics and heterogeneity of ties on spreading dynamics. <i>Physical Review E</i> , 2014, 90, 012812.	0.8	16
114	Effects of temporal correlations on cascades: Threshold models on temporal networks. <i>Physical Review E</i> , 2014, 89, 062815.	0.8	55
115	Analyzing Temporal Networks in Social Media. <i>Proceedings of the IEEE</i> , 2014, 102, 1922-1933.	16.4	32
116	Generalized friendship paradox in networks with tunable degree-attribute correlation. <i>Physical Review E</i> , 2014, 90, 022809.	0.8	18
117	Evolutionary dynamics of time-resolved social interactions. <i>Physical Review E</i> , 2014, 90, 052825.	0.8	38
118	Cross-linked structure of network evolution. <i>Chaos</i> , 2014, 24, 013112.	1.0	68
119	Epidemic spreading on dynamical networks with temporary hubs and stable scale-free degree distribution. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P03015.	0.9	1
120	Epidemic spreading on complex networks with general degree and weight distributions. <i>Physical Review E</i> , 2014, 90, 042803.	0.8	118
121	Towards a graphic tool of structural controllability of temporal networks. , 2014, , .		5
122	Network risk and forecasting power in phase-flipping dynamical networks. <i>Physical Review E</i> , 2014, 89, 042807.	0.8	23
123	Dynamics of social balance under temporal interaction. <i>Europhysics Letters</i> , 2014, 107, 48003.	0.7	17
124	The Matthew effect in empirical data. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140378.	1.5	344
125	Analytically Solvable Model of Spreading Dynamics with Non-Poissonian Processes. <i>Physical Review X</i> , 2014, 4, .	2.8	52
126	Centrality rankings in multiplex networks. , 2014, , .		82
127	Quantifying individual communication capability in opportunistic mobile social networks. , 2014, , .		0
128	Effect of Heterogeneity of Vertex Activation on Epidemic Spreading in Temporal Networks. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-7.	0.6	2
129	An Immunization Strategy Based on Propagation Mechanism. <i>Discrete Dynamics in Nature and Society</i> , 2014, 2014, 1-7.	0.5	2



#	ARTICLE	IF	CITATIONS
130	Systemic risk in dynamical networks with stochastic failure criterion. Europhysics Letters, 2014, 106, 68003.	0.7	12
131	Contributions and challenges for network models in cognitive neuroscience. Nature Neuroscience, 2014, 17, 652-660.	7.1	654
132	Temporal percolation in activity-driven networks. Physical Review E, 2014, 89, 032807.	0.8	58
133	Viral spreading of daily information in online social networks. Physica A: Statistical Mechanics and Its Applications, 2014, 406, 34-41.	1.2	12
134	Hybrid evolving clique-networks and their communicability. Physica A: Statistical Mechanics and Its Applications, 2014, 407, 198-203.	1.2	1
135	A dynamical systems view of network centrality. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20130835.	1.0	59
136	Evolutionary events in a mathematical sciences research collaboration network. Scientometrics, 2014, 99, 973-998.	1.6	17
137	Modeling User Interactions in Social Communication Networks with Variable Social Vector Clocks. , 2014, , .		3
138	Characteristics of the spatio-temporal network of cattle movements in France over a 5-year period. Preventive Veterinary Medicine, 2014, 117, 79-94.	0.7	56
139	When susceptible-infectious-susceptible contagion meets time-varying networks with identical infectivity. Europhysics Letters, 2014, 108, 28006.	0.7	15
140	Triadic closure as a basic generating mechanism of communities in complex networks. Physical Review E, 2014, 90, 042806.	0.8	136
141	Nonnegative matrix factorization to find features in temporal networks. , 2014, , .		9
142	Structural differences between open and direct communication in an online community. Physica A: Statistical Mechanics and Its Applications, 2014, 414, 263-273.	1.2	22
143	Gravitational field routing strategy considering the distribution of traffic flow. International Journal of Geographical Information Science, 2014, 28, 39-55.	2.2	15
144	Functional brain networks: great expectations, hard times and the big leap forward. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130525.	1.8	65
145	Graph analysis of functional brain networks: practical issues in translational neuroscience. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130521.	1.8	313
146	Adaptive Partitioning for Large-Scale Dynamic Graphs. , 2014, , .		32
147	Effect of individual behavior on epidemic spreading in activity-driven networks. Physical Review E, 2014, 90, 042801.	0.8	120

#	ARTICLE	IF	CITATIONS
148	Growing networks with temporal effect and mixed attachment mechanisms. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 413, 147-152.	1.2	2
149	Synchronization in time-varying networks. <i>Physical Review E</i> , 2014, 90, 022812.	0.8	80
150	Memory in network flows and its effects on spreading dynamics and community detection. <i>Nature Communications</i> , 2014, 5, 4630.	5.8	279
151	Global network structure of dominance hierarchy of ant workers. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140599.	1.5	28
152	The structure and dynamics of multilayer networks. <i>Physics Reports</i> , 2014, 544, 1-122.	10.3	2,469
153	Causality-driven slow-down and speed-up of diffusion in non-Markovian temporal networks. <i>Nature Communications</i> , 2014, 5, 5024.	5.8	212
154	Seed Selection for Spread of Influence in Social Networks: Temporal vs. Static Approach. <i>New Generation Computing</i> , 2014, 32, 213-235.	2.5	41
155	Pattern Variability in Arctic Air Temperature Records. <i>Surveys in Geophysics</i> , 2014, 35, 1215-1242.	2.1	1
156	Temporal analysis of telecom call graphs. , 2014, , .		1
157	EpiContactTrace: an R-package for contact tracing during livestock disease outbreaks and for risk-based surveillance. <i>BMC Veterinary Research</i> , 2014, 10, 71.	0.7	45
158	Analysis of the origin of predictability in human communications. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 393, 513-518.	1.2	5
159	Promoting collective motion of self-propelled agents by distance-based influence. <i>Physical Review E</i> , 2014, 89, 032813.	0.8	15
160	Cluster-Based Collaborative Filtering for Sign Prediction in Social Networks with Positive and Negative Links. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2014, 5, 1-19.	2.9	378
161	Why network neuroscience? Compelling evidence and current frontiers. <i>Physics of Life Reviews</i> , 2014, 11, 455-457.	1.5	9
162	Mapping the temporal evolution of scientific community structures. <i>Proceedings of the American Society for Information Science and Technology</i> , 2014, 51, 1-4.	0.2	0
163	Data on face-to-face contacts in an office building suggest a low-cost vaccination strategy based on community linkers. <i>Network Science</i> , 2015, 3, 326-347.	0.8	157
164	An Efficient Method for Link Prediction in Complex Multiplex Networks. , 2015, , .		14
166	Empirical study on structural properties in temporal networks under different time scales. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	2

#	ARTICLE	IF	CITATIONS
167	DOBNet: exploiting the discourse of deception behaviour to uncover online deception strategies. Behaviour and Information Technology, 2015, 34, 936-948.	2.5	4
168	Linear Threshold Model in Temporal Networks. , 2015, , .		1
169	Contrasting effects of strong ties on SIR and SIS processes in temporal networks. European Physical Journal B, 2015, 88, 1.	0.6	53
171	An approximation for dynamical processes on periodic temporal networks. Nonlinear Theory and Its Applications IEICE, 2015, 6, 295-302.	0.4	0
172	Particle swarm optimization with switched topology. Nonlinear Theory and Its Applications IEICE, 2015, 6, 181-193.	0.4	7
173	Macroscopic description of complex adaptive networks coevolving with dynamic node states. Physical Review E, 2015, 91, 052801.	0.8	29
174	Temporal motifs reveal collaboration patterns in online task-oriented networks. Physical Review E, 2015, 91, 052813.	0.8	38
175	Benchmark model to assess community structure in evolving networks. Physical Review E, 2015, 92, 012805.	0.8	60
176	Most probable paths in temporal weighted networks: An application to ocean transport. Physical Review E, 2015, 92, 012818.	0.8	47
177	Dynamics of social contagions with memory of nonredundant information. Physical Review E, 2015, 92, 012820.	0.8	110
178	Dynamics of history-dependent epidemics in temporal networks. Physical Review E, 2015, 92, 022811.	0.8	10
179	Suppressed epidemics in multirelational networks. Physical Review E, 2015, 92, 022812.	0.8	13
180	Inferring the mesoscale structure of layered, edge-valued, and time-varying networks. Physical Review E, 2015, 92, 042807.	0.8	100
181	Estimating interevent time distributions from finite observation periods in communication networks. Physical Review E, 2015, 92, 052813.	0.8	37
182	Universal bursty behavior in the air transportation system. Physical Review E, 2015, 92, 062815.	0.8	6
183	Analytical Computation of the Epidemic Threshold on Temporal Networks. Physical Review X, 2015, 5, .	2.8	98
184	Epidemic processes in complex networks. Reviews of Modern Physics, 2015, 87, 925-979.	16.4	2,484
185	Correlated bursts and the role of memory range. Physical Review E, 2015, 92, 022814.	0.8	31

#	ARTICLE	IF	CITATIONS
186	Solvable non-Markovian dynamic network. <i>Physical Review E</i> , 2015, 92, 042801.	0.8	19
187	Large epidemic thresholds emerge in heterogeneous networks of heterogeneous nodes. <i>Scientific Reports</i> , 2015, 5, 13122.	1.6	34
188	The multilayer temporal network of public transport in Great Britain. <i>Scientific Data</i> , 2015, 2, 140056.	2.4	99
189	Tempus Fugit. , 2015, , .		0
190	Predicting the Lifetime of Dynamic Networks Experiencing Persistent Random Attacks. <i>Scientific Reports</i> , 2015, 5, 14286.	1.6	17
191	Revealing contact patterns among high-school students using maximal cliques in link streams. , 2015, , .		13
192	Non-Markovian character in human mobility: Online and offline. <i>Chaos</i> , 2015, 25, 063106.	1.0	21
193	A Novel Graph-Based Method to Study Community Evolutions in Social Interactions. , 2015, , .		0
194	Information content of contact-pattern representations and predictability of epidemic outbreaks. <i>Scientific Reports</i> , 2015, 5, 14462.	1.6	19
195	Non-periodic outbreaks of recurrent epidemics and its network modelling. <i>Scientific Reports</i> , 2015, 5, 16010.	1.6	21
196	Analyzing the activity of a person in a chat by combining network analysis and fuzzy logic. , 2015, , .		4
197	Flow networks: A characterization of geophysical fluid transport. <i>Chaos</i> , 2015, 25, 036404.	1.0	100
198	Distance metric learning for complex networks: Towards size-independent comparison of network structures. <i>Chaos</i> , 2015, 25, 023111.	1.0	22
199	Unified functional network and nonlinear time series analysis for complex systems science: The<tt>pyunicorn</tt>package. <i>Chaos</i> , 2015, 25, 113101.	1.0	84
200	The Basic Reproduction Number as a Predictor for Epidemic Outbreaks in Temporal Networks. <i>PLoS ONE</i> , 2015, 10, e0120567.	1.1	62
202	Male motion coordination in anopheline mating swarms. <i>Scientific Reports</i> , 2014, 4, 6318.	1.6	24
203	Modelling complexity for policy: opportunities and challenges. , 2015, , .		23
204	Modeling Social Network Topology with Variable Social Vector Clocks. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
205	The role of endogenous and exogenous mechanisms in the formation of R&D networks. Scientific Reports, 2015, 4, 5679.	1.6	40
206	Disease Containment Strategies based on Mobility and Information Dissemination. Scientific Reports, 2015, 5, 10650.	1.6	68
208	Compensating for population sampling in simulations of epidemic spread on temporal contact networks. Nature Communications, 2015, 6, 8860.	5.8	54
209	Unfavorable Individuals in Social Gaming Networks. Scientific Reports, 2015, 5, 17481.	1.6	3
210	Recurrent Subgraph Prediction. , 2015, , .		2
211	Analyzing dynamical social interactions as temporal networks**The author was supported by JST, ERATO, Kawarabayashi Large Graph Project.. IFAC-PapersOnLine, 2015, 48, 169-174.	0.5	0
212	Processing and visualising association data from animal-borne proximity loggers. Animal Biotelemetry, 2015, 3, .	0.8	7
213	Recent Progress in Some Active Topics on Complex Networks. Journal of Physics: Conference Series, 2015, 604, 012007.	0.3	2
214	Community detection in directed acyclic graphs. European Physical Journal B, 2015, 88, 1.	0.6	21
215	From calls to communities: a model for time-varying social networks. European Physical Journal B, 2015, 88, 1.	0.6	44
216	Temporal fidelity in dynamic social networks. European Physical Journal B, 2015, 88, 1.	0.6	14
217	Synchronization in an evolving network. Europhysics Letters, 2015, 111, 50010.	0.7	3
218	Partitions of networks that are robust to vertex permutation dynamics. Special Matrices, 2015, 3, .	0.2	0
219	Review: visual analytics of climate networks. Nonlinear Processes in Geophysics, 2015, 22, 545-570.	0.6	23
220	Assembling thefacebook. , 2015, , .		15
221	Influence Maximization in Temporal Networks. Transactions of the Japanese Society for Artificial Intelligence, 2015, 30, 693-702.	0.1	0
222	Evaluating the effect of aging on interference resolution with time-varying complex networks analysis. Frontiers in Human Neuroscience, 2015, 9, 255.	1.0	21
223	Time-dependent degree-degree correlations in epileptic brain networks: from assortative to dissortative mixing. Frontiers in Human Neuroscience, 2015, 9, 462.	1.0	31

#	ARTICLE	IF	CITATIONS
224	Rank Diversity of Languages: Generic Behavior in Computational Linguistics. PLoS ONE, 2015, 10, e0121898.	1.1	25
225	Laplacian Estrada and Normalized Laplacian Estrada Indices of Evolving Graphs. PLoS ONE, 2015, 10, e0123426.	1.1	24
226	Visibility Graph Based Time Series Analysis. PLoS ONE, 2015, 10, e0143015.	1.1	94
227	Similar but Different: Dynamic Social Network Analysis Highlights Fundamental Differences between the Fission-Fusion Societies of Two Equid Species, the Onager and Grevy's Zebra. PLoS ONE, 2015, 10, e0138645.	1.1	42
228	Understanding Social Contagion in Adoption Processes Using Dynamic Social Networks. PLoS ONE, 2015, 10, e0140891.	1.1	5
229	Mechanistic models in computational social science. Frontiers in Physics, 2015, 3, .	1.0	11
230	Burstiness and Aging in Social Temporal Networks. Physical Review Letters, 2015, 114, 108701.	2.9	74
231	Enhancing robustness of coupled networks under targeted recoveries. Scientific Reports, 2015, 5, 8439.	1.6	62
232	Evolutionary games on multilayer networks: a colloquium. European Physical Journal B, 2015, 88, 1.	0.6	604
233	Diffusion on networked systems is a question of time or structure. Nature Communications, 2015, 6, 7366.	5.8	110
235	Maximizing Social Influence in Real-World Networks – The State of the Art and Current Challenges. Intelligent Systems Reference Library, 2015, , 329-359.	1.0	6
236	Optimal resource allocation for containing epidemics on time-varying networks. , 2015, , .		4
237	Modeling and analysis of epidemic dynamics on an adaptive network. , 2015, , .		1
238	Variable social vector clocks for exploring user interactions in social communication networks. International Journal of Space-Based and Situated Computing, 2015, 5, 39.	0.2	11
239	A unifying model for representing time-varying graphs. , 2015, , .		32
240	Evaluation of farm-level parameters derived from animal movements for use in risk-based surveillance programmes of cattle in Switzerland. BMC Veterinary Research, 2015, 11, 149.	0.7	28
241	Exploring temporal networks with greedy walks. European Physical Journal B, 2015, 88, 1.	0.6	27
242	Exploring the structure and function of temporal networks with dynamic graphlets. Bioinformatics, 2015, 31, i171-i180.	1.8	75

#	ARTICLE	IF	CITATIONS
243	Representations of human contact patterns and outbreak diversity in SIR epidemics. IFAC-PapersOnLine, 2015, 48, 127-131.	0.5	2
244	Comparison of Inter-Layer Couplings of Multilayer Networks. , 2015, , .		4
245	Disseminating real-time messages in opportunistic mobile social networks: A ranking perspective. , 2015, , .		2
246	Veracity of Data: From Truth Discovery Computation Algorithms to Models of Misinformation Dynamics. Synthesis Lectures on Data Management, 2015, 7, 1-155.	0.6	22
247	Social Phenomena. , 2015, , .		25
248	Modeling and Predicting Human Infectious Diseases. , 2015, , 59-83.		12
249	Infection propagator approach to compute epidemic thresholds on temporal networks: impact of immunity and of limited temporal resolution. European Physical Journal B, 2015, 88, 1.	0.6	23
250	Beyond contact-based transmission networks: the role of spatial coincidence. Journal of the Royal Society Interface, 2015, 12, 20150705.	1.5	38
251	TIME CENTRALITY IN DYNAMIC COMPLEX NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2015, 18, 1550023.	0.9	20
252	Transitive reduction of citation networks. Journal of Complex Networks, 2015, 3, 189-203.	1.1	53
253	A survey of results on mobile phone datasets analysis. EPJ Data Science, 2015, 4, .	1.5	405
254	Detecting Anomalies in Time-Varying Networks Using Tensor Decomposition. , 2015, , .		9
255	Communication cliques in mobile phone calling networks. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P11007.	0.9	7
256	Ontology-Based Approach for Temporal Semantic Modelling of Social Networks. , 2015, , .		2
257	Learning Predictive Substructures with Regularization for Network Data. , 2015, , .		8
258	Exploiting the time-dynamics of news diffusion on the Internet through a generalized Susceptibleâ€“Infected model. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 634-644.	1.2	7
259	Understanding complex systems: When Big Data meets network science. IT - Information Technology, 2015, 57, 252-256.	0.6	2
260	Hierarchical mutual information for the comparison of hierarchical community structures in complex networks. Physical Review E, 2015, 92, 062825.	0.8	18

#	ARTICLE	IF	CITATIONS
261	Slowing down of linear consensus dynamics on temporal networks: some theoretical extensions**We acknowledge financial support provided by CREST, JST, VolkswagenStiftung, and MINECO (Spain) and FEDER (EU) through the MODASS project (No. FIS2011-24785).. IFAC-PapersOnLine, 2015, 48, 187-192.	0.5	1
262	Imperfect spreading on temporal networks. European Physical Journal B, 2015, 88, 1.	0.6	6
263	Connectivity interplays with age in shaping contagion over networks with vital dynamics. Physical Review E, 2015, 91, 022809.	0.8	9
264	Slow relaxation dynamics and aging in random walks on activity driven temporal networks. European Physical Journal B, 2015, 88, 1.	0.6	11
265	Towards real-world complexity: an introduction to multiplex networks. European Physical Journal B, 2015, 88, 1.	0.6	148
266	Betweenness in time dependent networks. Chaos, Solitons and Fractals, 2015, 72, 35-48.	2.5	34
267	Human Interactive Patterns in Temporal Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 214-222.	5.9	55
268	Complex brain network properties in late L2 learners and native speakers. Neuropsychologia, 2015, 68, 209-217.	0.7	9
269	Steady state and mean recurrence time for random walks on stochastic temporal networks. Physical Review E, 2015, 91, 012806.	0.8	21
270	Chimera states in time-varying complex networks. Physical Review E, 2015, 91, 022817.	0.8	88
271	Numerical identification of epidemic thresholds for susceptible-infected-recovered model on finite-size networks. Chaos, 2015, 25, 063104.	1.0	79
272	Controlling infectious disease through the targeted manipulation of contact network structure. Epidemics, 2015, 12, 11-19.	1.5	57
273	Effect of memory on the dynamics of random walks on networks. Journal of Complex Networks, 2015, 3, 177-188.	1.1	36
274	Predicting the Evolution of Communities in Social Networks. , 2015, , .		15
275	Efficient algorithm to compute mutually connected components in interdependent networks. Physical Review E, 2015, 91, 022814.	0.8	10
276	Coupled diseaseâ€ behavior dynamics on complex networks: A review. Physics of Life Reviews, 2015, 15, 1-29.	1.5	385
277	Multilayer network representation of membrane potential and cytosolic calcium concentration dynamics in beta cells. Chaos, Solitons and Fractals, 2015, 80, 76-82.	2.5	26
278	Algorithms for Mining the Coevolving Relational Motifs in Dynamic Networks. ACM Transactions on Knowledge Discovery From Data, 2015, 10, 1-31.	2.5	10



#	ARTICLE	IF	CITATIONS
279	The frequency dimension of fMRI dynamic connectivity: Network connectivity, functional hubs and integration in the resting brain. <i>NeuroImage</i> , 2015, 121, 227-242.	2.1	115
280	Flow distances on open flow networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 437, 235-248.	1.2	13
281	Identifying Modular Flows on Multilayer Networks Reveals Highly Overlapping Organization in Interconnected Systems. <i>Physical Review X</i> , 2015, 5, .	2.8	178
282	Predicting Epidemic Risk from Past Temporal Contact Data. <i>PLoS Computational Biology</i> , 2015, 11, e1004152.	1.5	62
283	From seconds to months: an overview of multi-scale dynamics of mobile telephone calls. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	80
284	Anatomy and efficiency of urban multimodal mobility. <i>Scientific Reports</i> , 2014, 4, 6911.	1.6	89
285	Network topology inference from infection statistics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 272-285.	1.2	8
286	Measuring microscopic evolution processes of complex networks based on empirical data. <i>Journal of Physics: Conference Series</i> , 2015, 604, 012004.	0.3	0
287	Information transfer network of global market indices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 430, 39-45.	1.2	15
288	Social Network Analysis in Behavioral Ecology. <i>Advances in the Study of Behavior</i> , 2015, 47, 39-114.	1.0	16
289	Spreading Processes in Multilayer Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2015, 2, 65-83.	4.1	172
290	Opinion dynamics with the contrarian deterministic effect and human mobility on lattice. <i>Complexity</i> , 2015, 20, 43-49.	0.9	9
291	The Impact of Network Flows on Community Formation in Models of Opinion Dynamics. <i>Journal of Mathematical Sociology</i> , 2015, 39, 109-124.	0.6	1
292	Cognitive Network Neuroscience. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1471-1491.	1.1	343
293	Asymmetrically interacting spreading dynamics on complex layered networks. <i>Scientific Reports</i> , 2014, 4, 5097.	1.6	189
294	Learning-induced autonomy of sensorimotor systems. <i>Nature Neuroscience</i> , 2015, 18, 744-751.	7.1	507
295	Data structures for temporal graphs based on compact sequence representations. <i>Information Systems</i> , 2015, 51, 1-26.	2.4	20
296	Analysis of hop limit in opportunistic networks by static and time-aggregated graphs. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
297	Modern temporal network theory: a colloquium. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	480
298	Discovery of Complex User Communities. <i>Human-computer Interaction Series</i> , 2015, , 1-22.	0.4	0
299	The role of global trade and transport network topology in the human-mediated dispersal of alien species. <i>Ecology Letters</i> , 2015, 18, 188-199.	3.0	179
300	Community detection in multiplex social networks. , 2015, , .		7
301	Applying temporal network analysis to the venture capital market. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	8
302	Synchronization in delayed multiplex networks. <i>Europhysics Letters</i> , 2015, 111, 30010.	0.7	28
303	Intracellular transport driven by cytoskeletal motors: General mechanisms and defects. <i>Physics Reports</i> , 2015, 593, 1-59.	10.3	85
304	Degree Distribution of Position-Dependent Ball-Passing Networks in Football Games. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 084003.	0.7	6
305	Dynamics of social contagions with limited contact capacity. <i>Chaos</i> , 2015, 25, 103102.	1.0	34
306	Dynamic reconfiguration of frontal brain networks during executive cognition in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11678-11683.	3.3	651
307	A Dynamic Modularity Based Community Detection Algorithm for Large-scale Networks. , 2015, , .		22
308	Scaling properties in time-varying networks with memory. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	18
309	The role of complex networks in behavior epidemiology. <i>Physics of Life Reviews</i> , 2015, 15, 53-54.	1.5	1
310	Birth and death of links control disease spreading in empirical contact networks. <i>Scientific Reports</i> , 2014, 4, 4999.	1.6	71
311	MuxViz: a tool for multilayer analysis and visualization of networks. <i>Journal of Complex Networks</i> , 2015, 3, 159-176.	1.1	271
312	The Estrada index of evolving graphs. <i>Applied Mathematics and Computation</i> , 2015, 250, 415-423.	1.4	13
313	Null models for dynamic centrality in temporal networks. <i>Journal of Complex Networks</i> , 2015, 3, 113-125.	1.1	3
314	Cascades in Real Interbank Markets. <i>Computational Economics</i> , 2016, 47, 49-66.	1.5	17

#	ARTICLE	IF	CITATIONS
315	Users in the urban sensing process. , 2016, , 45-95.		6
316	Anomalous contagion and renormalization in networks with nodal mobility. Europhysics Letters, 2016, 115, 18001.	0.7	4
319	Diffusion in Networks and the Unexpected Virtue of Burstiness. SSRN Electronic Journal, 2016, , .	0.4	0
320	Agent-based modelling in synthetic biology. Essays in Biochemistry, 2016, 60, 325-336.	2.1	70
321	ControvÃ©rsias midiaticizadas no Twitter durante transmissÃµes televisivas ao vivo: a rede â€œexoesqueletoâ€ na abertura da Copa 2014. Revista FAMECOS, 2016, 23, 21106.	0.1	3
322	Time-dependent community structure in legislation cosponsorship networks in the Congress of the Republic of Peru. Journal of Complex Networks, 0, , cnw004.	1.1	4
323	Periodic Epidemic Spreading over Complex Systems: Modeling and Analysis. Mathematical Problems in Engineering, 2016, 2016, 1-7.	0.6	1
324	Social Content Recommendation Based on Spatial-Temporal Aware Diffusion Modeling in Social Networks. Symmetry, 2016, 8, 89.	1.1	8
325	Temporal correlation coefficient for directed networks. SpringerPlus, 2016, 5, 1198.	1.2	9
326	Individual Differences in Dynamic Functional Brain Connectivity across the Human Lifespan. PLoS Computational Biology, 2016, 12, e1005178.	1.5	54
327	Detection and localization of change points in temporal networks with the aid of stochastic block models. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 113302.	0.9	16
328	Correlation Networks from Flows. The Case of Forced and Time-Dependent Advection-Diffusion Dynamics. PLoS ONE, 2016, 11, e0153703.	1.1	33
329	Disease Spread through Animal Movements: A Static and Temporal Network Analysis of Pig Trade in Germany. PLoS ONE, 2016, 11, e0155196.	1.1	91
330	Maximizing the Spread of Influence via Generalized Degree Discount. PLoS ONE, 2016, 11, e0164393.	1.1	18
331	A Biased Review of Biases in Twitter Studies on Political Collective Action. Frontiers in Physics, 2016, 4, .	1.0	24
332	Hybrid Societies: Challenges and Perspectives in the Design of Collective Behavior in Self-organizing Systems. Frontiers in Robotics and AI, 2016, 3, .	2.0	30
333	Impact of Network Activity on the Spread of Infectious Diseases through the German Pig Trade Network. Frontiers in Veterinary Science, 2016, 3, 48.	0.9	21
334	Model Reproduces Individual, Group and Collective Dynamics of Human Contact Networks. SSRN Electronic Journal, 2016, , .	0.4	0

#	ARTICLE	IF	CITATIONS
335	Hairspring. , 2016, , .		2
336	A framework for information dissemination in social networks using Hawkes processes. Performance Evaluation, 2016, 103, 86-107.	0.9	5
337	Using Network Science to Support Design Research: From Counting to Connecting. , 2016, , 153-172.		4
338	Vital nodes identification in complex networks. Physics Reports, 2016, 650, 1-63.	10.3	895
339	Tour Planning and Ride Matching for an Urban Social Carpooling Service. MATEC Web of Conferences, 2016, 81, 04010.	0.1	5
340	Stabilization of avalanche processes on dynamical networks. JETP Letters, 2016, 103, 206-212.	0.4	3
341	Interplay between signaling network design and swarm dynamics. Network Science, 2016, 4, 244-265.	0.8	18
342	Inspection of short-time resting-state electroencephalogram functional networks in Alzheimer's disease. , 2016, 2016, 2810-2813.		2
343	Enumerating maximal cliques in temporal graphs. , 2016, , .		21
344	Temporal efficiency evaluation and small-worldness characterization in temporal networks. Scientific Reports, 2016, 6, 34291.	1.6	22
345	Dynamic Clustering in Social Networks Using Louvain and Infomap Method. , 2016, , .		9
346	Impact of spatially constrained sampling of temporal contact networks on the evaluation of the epidemic risk. European Journal of Applied Mathematics, 2016, 27, 941-957.	1.4	11
347	Rumor Propagation in Temporal Contact Network from Polish Polls. , 2016, , .		2
348	Graph distance for complex networks. Scientific Reports, 2016, 6, 34944.	1.6	21
349	A Dynamic Network Layout Visualization Method Based on Structural Similarity. , 2016, , .		1
351	Using higher-order Markov models to reveal flow-based communities in networks. Scientific Reports, 2016, 6, 23194.	1.6	38
352	Hysteresis loop of nonperiodic outbreaks of recurrent epidemics. Physical Review E, 2016, 94, 062318.	0.8	8
353	Recent advances and challenges on control of complex networks. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
354	Identifying structures of continuously-varying weighted networks. Scientific Reports, 2016, 6, 26649.	1.6	21
355	Synchronization of mobile chaotic oscillator networks. Chaos, 2016, 26, 094824.	1.0	24
356	Inferring Future Links in Large Scale Networks. , 2016, , .		0
357	Two different flavours of complexity in financial data. European Physical Journal: Special Topics, 2016, 225, 3105-3113.	1.2	12
358	Temporal interactions facilitate endemicity in the susceptible-infected-susceptible epidemic model. New Journal of Physics, 2016, 18, 073013.	1.2	29
359	Detection of strong attractors in social media networks. Computational Social Networks, 2016, 3, 11.	2.1	4
360	Detection of timescales in evolving complex systems. Scientific Reports, 2016, 6, 39713.	1.6	37
361	The essential role of time in network-based recommendation. Europhysics Letters, 2016, 116, 30007.	0.7	16
362	Epidemic spreading with activity-driven awareness diffusion on multiplex network. Chaos, 2016, 26, 043110.	1.0	53
363	Detection of core-periphery structure in networks using spectral methods and geodesic paths. European Journal of Applied Mathematics, 2016, 27, 846-887.	1.4	54
364	Hamlet: A metaphor for modeling and analyzing network conversational adjacency graphs. , 2016, , .		0
365	Leveraging contact pattern to predict future contact pattern in mobile networks. , 2016, , .		0
366	Bursty properties revealed in large-scale brain networks with a point-based method for dynamic functional connectivity. Scientific Reports, 2016, 6, 39156.	1.6	28
367	Narrative smoothing: Dynamic conversational network for the analysis of TV series plots. , 2016, , .		13
368	Quantifying the diaspora of knowledge in the last century. Applied Network Science, 2016, 1, 15.	0.8	17
369	Mining social interactions in privacy-preserving temporal networks. , 2016, , .		10
370	An efficient method for link prediction in weighted multiplex networks. Computational Social Networks, 2016, 3, 7.	2.1	10
372	Temporal Branching Approach for Visual Exploration of Simulation Process in Dynamic Networks. Procedia Computer Science, 2016, 101, 407-415.	1.2	0

#	ARTICLE	IF	CITATIONS
373	Effective information spreading based on local information in correlated networks. Scientific Reports, 2016, 6, 38220.	1.6	33
374	Spatio-temporal networks: reachability, centrality and robustness. Royal Society Open Science, 2016, 3, 160196.	1.1	56
375	Structured Regression on Multilayer Networks. , 2016, , .		1
376	Network analysis and modelling: Special issue of<i>European Journal of Applied Mathematics</i>. European Journal of Applied Mathematics, 2016, 27, 807-811.	1.4	5
377	Dynamical Systems on Networks. Frontiers in Applied Dynamical Systems: Reviews and Tutorials, 2016, , .	0.5	151
378	Examples of Dynamical Systems. Frontiers in Applied Dynamical Systems: Reviews and Tutorials, 2016, , 5-27.	0.5	2
379	Dynamical Systems on Dynamical Networks. Frontiers in Applied Dynamical Systems: Reviews and Tutorials, 2016, , 49-51.	0.5	6
380	Other Resources. Frontiers in Applied Dynamical Systems: Reviews and Tutorials, 2016, , 53-54.	0.5	0
381	Analysis of heat kernel highlights the strongly modular and heat-preserving structure of proteins. Physica A: Statistical Mechanics and Its Applications, 2016, 441, 199-214.	1.2	11
382	Evolving networksâ€”Using past structure to predict the future. Physica A: Statistical Mechanics and Its Applications, 2016, 455, 120-135.	1.2	30
383	An algebraic approach to temporal network analysis based on temporal quantities. Social Network Analysis and Mining, 2016, 6, 1.	1.9	23
384	Matrix expression and vaccination control for epidemic dynamics over dynamic networks. Control Theory and Technology, 2016, 14, 39-48.	1.0	2
385	Quality assessment of static aggregation compared to the temporal approach based on a pig trade network in Northern Germany. Preventive Veterinary Medicine, 2016, 129, 1-8.	0.7	15
386	Computing maximal cliques in link streams. Theoretical Computer Science, 2016, 609, 245-252.	0.5	93
387	Interstellar Travel and Galactic Colonization: Insights from Percolation Theory and the Yule Process. Astrobiology, 2016, 16, 418-426.	1.5	18
388	Random walk centrality in interconnected multilayer networks. Physica D: Nonlinear Phenomena, 2016, 323-324, 73-79.	1.3	75
389	Motif profile dynamics and transient species in a Boolean model of mutualistic ecological communities. Journal of Complex Networks, 2016, 4, 127-139.	1.1	4
390	Dynamical properties of interaction data. Journal of Complex Networks, 2016, 4, 87-114.	1.1	3

#	ARTICLE	IF	CITATIONS
391	Cross-Disciplinary Network Comparison: Matchmaking between Hairballs. Cell Systems, 2016, 2, 147-157.	2.9	13
392	Combining complex networks and data mining: Why and how. Physics Reports, 2016, 635, 1-44.	10.3	139
393	Emergence of collaboration networks around large scale data repositories: a study of the genomics community using GenBank. Scientometrics, 2016, 108, 21-40.	1.6	12
394	A new approach to analyzing coevolving longitudinal networks in international relations. Journal of Peace Research, 2016, 53, 491-505.	1.5	40
396	Burstiness and fractional diffusion on complex networks. European Physical Journal B, 2016, 89, 1.	0.6	10
398	Control principles of complex systems. Reviews of Modern Physics, 2016, 88, .	16.4	452
399	Characterization and applications of temporal random walks on opportunistic networks. Computer Networks, 2016, 111, 29-44.	3.2	1
400	Atypical viral dynamics from transport through popular places. Physical Review E, 2016, 94, 022304.	0.8	9
401	TEMPORAL NETWORK ANALYSIS OF LITERARY TEXTS. International Journal of Modeling, Simulation, and Scientific Computing, 2016, 19, 1650005.	0.9	14
402	Toolbox for Visual Explorative Analysis of Complex Temporal Multiscale Contact Networks Dynamics in Healthcare. Procedia Computer Science, 2016, 80, 2107-2118.	1.2	3
403	On MultiAspect graphs. Theoretical Computer Science, 2016, 651, 50-61.	0.5	22
404	Temporal PageRank. Lecture Notes in Computer Science, 2016, , 674-689.	1.0	23
405	Community detection in networks: A user guide. Physics Reports, 2016, 659, 1-44.	10.3	1,426
406	Temporal network structures controlling disease spreading. Physical Review E, 2016, 94, 022305.	0.8	53
407	Hierarchical dynamic walks. Security Science and Technology, 2016, , 171-180.	0.5	0
408	Temporal reachability in dynamic networks. Security Science and Technology, 2016, , 181-208.	0.5	2
409	Network biology concepts in complex disease comorbidities. Nature Reviews Genetics, 2016, 17, 615-629.	7.7	269
410	Visual Analytic Decision-Making Environments for Large-Scale Time-Evolving Graphs. Handbook of Statistics, 2016, , 81-115.	0.4	3

#	ARTICLE	IF	CITATIONS
411	Dynamics of information diffusion and its applications on complex networks. <i>Physics Reports</i> , 2016, 651, 1-34.	10.3	338
412	Ecological networks in motion: micro- and macroscopic variability across scales. <i>Functional Ecology</i> , 2016, 30, 1926-1935.	1.7	92
413	Aging and percolation dynamics in a Non-Poissonian temporal network model. <i>Physical Review E</i> , 2016, 94, 022316.	0.8	8
414	Routing optimization for DTN-based space networks using a temporal graph model. , 2016, , .		22
415	Two-state Markov-chain Poisson nature of individual cellphone call statistics. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 073210.	0.9	20
416	Fundamental structures of dynamic social networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9977-9982.	3.3	195
417	Rich gets simpler. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9961-9962.	3.3	3
418	Phase transitions in models of human cooperation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2803-2808.	0.9	234
419	Continuous-Time Discrete-Distribution Theory for Activity-Driven Networks. <i>Physical Review Letters</i> , 2016, 117, 228302.	2.9	51
420	Towards A Framework for Rate Control on Dynamic Communication Networks. , 2016, , .		3
422	Evolutionary core-periphery structure and its application to network function virtualization. <i>Nonlinear Theory and Its Applications IEICE</i> , 2016, 7, 202-216.	0.4	7
423	Evolving Centralities in Temporal Graphs: A Twitter Network Analysis. , 2016, , .		13
424	Network and Multilayer Network Approaches to Understanding Human Brain Dynamics. <i>Philosophy of Science</i> , 2016, 83, 710-720.	0.5	106
425	Autonomous overlapping community detection in temporal networks: A dynamic Bayesian nonnegative matrix factorization approach. <i>Knowledge-Based Systems</i> , 2016, 110, 121-134.	4.0	30
426	Meta-food-chains as a many-layer epidemic process on networks. <i>Physical Review E</i> , 2016, 93, 022303.	0.8	12
427	Optimal transport in time-varying small-world networks. <i>Physical Review E</i> , 2016, 93, 032321.	0.8	4
428	Temporal and structural heterogeneities emerging in adaptive temporal networks. <i>Physical Review E</i> , 2016, 93, 040301.	0.8	16
429	Epidemic processes over adaptive state-dependent networks. <i>Physical Review E</i> , 2016, 93, 062316.	0.8	41



#	ARTICLE	IF	CITATIONS
430	Enhanced Detectability of Community Structure in Multilayer Networks through Layer Aggregation. Physical Review Letters, 2016, 116, 228301.	2.9	59
431	Model reproduces individual, group and collective dynamics of human contact networks. Social Networks, 2016, 47, 130-137.	1.3	18
432	Effects of Network Structure, Competition and Memory Time on Social Spreading Phenomena. Physical Review X, 2016, 6, .	2.8	54
433	Temporal network tracking based on tensor factor analysis of graph signal spectrum. , 2016, , .		1
434	Statistical physics of vaccination. Physics Reports, 2016, 664, 1-113.	10.3	734
435	AST: Activity-Security-Trust driven modeling of time varying networks. Scientific Reports, 2016, 6, 21352.	1.6	5
436	Benchmarking Measures of Network Influence. Scientific Reports, 2016, 6, 34052.	1.6	7
437	Dynamics of Disagreement: Large-Scale Temporal Network Analysis Reveals Negative Interactions in Online Collaboration. Scientific Reports, 2016, 6, 36333.	1.6	11
438	On Using Temporal Networks to Analyze User Preferences Dynamics. Lecture Notes in Computer Science, 2016, , 408-423.	1.0	6
439	Identifying a set of influential spreaders in complex networks. Scientific Reports, 2016, 6, 27823.	1.6	176
440	Input-output relationship in social communications characterized by spike train analysis. Physical Review E, 2016, 94, 042313.	0.8	16
441	Impact of network overlapping on dynamical interplay between information and epidemics. , 2016, , .		3
442	Don't call in sick. Nature Physics, 2016, 12, 995-996.	6.5	0
443	Asymptotic theory of time-varying social networks with heterogeneous activity and tie allocation. Scientific Reports, 2016, 6, 35724.	1.6	34
445	Reconstructing an Epidemic Over Time. , 2016, , .		32
446	Competition in the presence of aging: dominance, coexistence, and alternation between states. Scientific Reports, 2016, 6, 21128.	1.6	12
447	Accelerating coordination in temporal networks by engineering the link order. Scientific Reports, 2016, 6, 22105.	1.6	8
448	Concurrent enhancement of percolation and synchronization in adaptive networks. Scientific Reports, 2016, 6, 27111.	1.6	15

#	ARTICLE	IF	CITATIONS
449	Individual-based approach to epidemic processes on arbitrary dynamic contact networks. Scientific Reports, 2016, 6, 31456.	1.6	34
450	Skill complementarity enhances heterophily in collaboration networks. Scientific Reports, 2016, 6, 18727.	1.6	71
451	User-based representation of time-resolved multimodal public transportation networks. Royal Society Open Science, 2016, 3, 160156.	1.1	19
452	Recalibrating disease parameters for increasing realism in modeling epidemics in closed settings. BMC Infectious Diseases, 2016, 16, 676.	1.3	9
453	Quantifying social contacts in a household setting of rural Kenya using wearable proximity sensors. EPJ Data Science, 2016, 5, 21.	1.5	51
454	An ex-ante estimation approach of noise in role based access control models in dynamic scenarios. , 2016, , .		0
455	Focus on the emerging new fields of network physiology and network medicine. New Journal of Physics, 2016, 18, 100201.	1.2	176
456	Coexistence in Preferential Attachment Networks. Combinatorics Probability and Computing, 2016, 25, 797-822.	0.8	12
457	Temporal dynamics in covert networks. Methodological Innovations, 2016, 9, 205979911562276.	0.5	10
458	A study of epidemic spreading on activity-driven networks. International Journal of Modern Physics C, 2016, 27, 1650090.	0.8	8
459	Agent-Based Creation and Simulation of Artificial Social Networks and the Analysis of Their Properties. Computing in Science and Engineering, 2016, 18, 34-41.	1.2	1
460	Traveling salesman problems in temporal graphs. Theoretical Computer Science, 2016, 634, 1-23.	0.5	57
461	Cannibalism in medical topic networks. Knowledge-Based Systems, 2016, 108, 168-178.	4.0	2
462	Compressed $\text{ext } \{k\} \text{mathsf } \{^d\} \text{ext } \{-tree\}$ $k$ $d$ -tree for temporal graphs. Knowledge and Information Systems, 2016, 49, 553-595.	2.1	14
463	Synchronization in a network of delay coupled maps with stochastically switching topologies. Chaos, Solitons and Fractals, 2016, 91, 9-16.	2.5	11
464	A diffusion perspective on temporal networks: A case study on a supermarket. Physica A: Statistical Mechanics and Its Applications, 2016, 441, 62-68.	1.2	5
465	Detection of functional brain network reconfiguration during task-driven cognitive states. NeuroImage, 2016, 142, 198-210.	2.1	145
466	An Introduction to Temporal Graphs: An Algorithmic Perspective <sup>*</sup> . Internet Mathematics, 2016, 12, 239-280.	0.7	105

#	ARTICLE	IF	CITATIONS
467	Coverage centralities for temporal networks. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	30
468	Scale-free networks of the earth's surface. <i>International Journal of Modern Physics B</i> , 2016, 30, 1650143.	1.0	10
469	Cross-layer betweenness centrality in multiplex networks with applications. , 2016, , .		18
470	A network model for Ebola spreading. <i>Journal of Theoretical Biology</i> , 2016, 394, 212-222.	0.8	50
471	Time series analysis of temporal networks. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	9
472	What are essential concepts about networks?. <i>Journal of Complex Networks</i> , 2016, 4, 457-474.	1.1	16
473	Framework and computational tool for the consideration of time dependency in Life Cycle Inventory: proof of concept. <i>Journal of Cleaner Production</i> , 2016, 116, 198-206.	4.6	48
474	Discriminating complex networks through supervised NDR and Bayesian classifier. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650051.	0.8	0
475	Community Detection in Temporal Multilayer Networks, with an Application to Correlation Networks. <i>Multiscale Modeling and Simulation</i> , 2016, 14, 1-41.	0.6	151
476	Evolving Scale-Free Networks by Poisson Process: Modeling and Degree Distribution. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 1144-1155.	6.2	28
477	Null models for community detection in spatially embedded, temporal networks. <i>Journal of Complex Networks</i> , 2016, 4, 363-406.	1.1	56
478	Principal Patterns on Graphs: Discovering Coherent Structures in Datasets. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2016, 2, 160-173.	1.6	9
479	Emerging Network-Based Tools in Movement Ecology. <i>Trends in Ecology and Evolution</i> , 2016, 31, 301-314.	4.2	154
480	How the heterogeneous infection rate effect on the epidemic spreading in activity-driven network. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650057.	0.8	7
481	Modelling temporal networks of human face-to-face contacts with public activity and individual reachability. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	13
482	Random Birth-and-Death Networks. <i>Journal of Statistical Physics</i> , 2016, 162, 842-854.	0.5	11
483	Stability of Spreading Processes over Time-Varying Large-Scale Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2016, 3, 44-57.	4.1	79
484	Extraction of Temporal Network Structures From Graph-Based Signals. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2016, 2, 215-226.	1.6	10

#	ARTICLE	IF	CITATIONS
485	Higher-order aggregate networks in the analysis of temporal networks: path structures and centralities. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	45
486	Adaption of the temporal correlation coefficient calculation for temporal networks (applied to a Tj ETQq1 1 0.784314 rgBT /Overlock 11	1.2	11
487	Opportunistic content diffusion in mobile ad hoc networks. <i>Ad Hoc Networks</i> , 2016, 45, 34-46.	3.4	1
488	An evolutionary vaccination game in the modified activity driven network by considering the closeness. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 49-57.	1.2	30
489	Epidemiological Modeling on Complex Networks. <i>Understanding Complex Systems</i> , 2016, , 51-77.	0.3	6
490	Design and Control of Swarm Dynamics. <i>SpringerBriefs in Complexity</i> , 2016, , .	0.1	48
491	NATERGM: A Model for Examining the Role of Nodal Attributes in Dynamic Social Media Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016, 28, 729-740.	4.0	9
492	Graph theory illustrates spatial and temporal features that structure elephant rest locations and reflect risk perception. <i>Ecography</i> , 2017, 40, 598-605.	2.1	29
493	A local perspective on community structure in multilayer networks. <i>Network Science</i> , 2017, 5, 144-163.	0.8	42
494	Orchestration and analysis of decentralized workflows within heterogeneous networking infrastructures. <i>Future Generation Computer Systems</i> , 2017, 75, 388-401.	4.9	20
495	Disease Localization in Multilayer Networks. <i>Physical Review X</i> , 2017, 7, .	2.8	56
496	Limit of a nonpreferential attachment multitype network model. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750026.	1.0	6
497	Evolutionary Nonnegative Matrix Factorization Algorithms for Community Detection in Dynamic Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017, 29, 1045-1058.	4.0	121
498	Stochastic Actor-Oriented Models for Network Dynamics. <i>Annual Review of Statistics and Its Application</i> , 2017, 4, 343-363.	4.1	130
499	Network neuroscience. <i>Nature Neuroscience</i> , 2017, 20, 353-364.	7.1	1,679
500	There and Back Again: Detecting Regularity in Human Encounter Communities. <i>IEEE Transactions on Mobile Computing</i> , 2017, 16, 1744-1757.	3.9	5
501	The many facets of community detection in complex networks. <i>Applied Network Science</i> , 2017, 2, 4.	0.8	125
502	Network-based landscape of research strengths of universities in Mainland China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 478, 49-62.	1.2	1

#	ARTICLE	IF	CITATIONS
503	Network science and tourism – the state of the art. <i>Tourism Review</i> , 2017, 72, 120-131.	3.8	73
504	Temporal Query Processing in Social Network. <i>Journal of Intelligent Information Systems</i> , 2017, 49, 147-166.	2.8	4
505	Growing complex network of citations of scientific papers: Modeling and measurements. <i>Physical Review E</i> , 2017, 95, 012324.	0.8	51
506	Unification of theoretical approaches for epidemic spreading on complex networks. <i>Reports on Progress in Physics</i> , 2017, 80, 036603.	8.1	244
507	A Network Neuroscience of Human Learning: Potential to Inform Quantitative Theories of Brain and Behavior. <i>Trends in Cognitive Sciences</i> , 2017, 21, 250-264.	4.0	78
508	Link and Graph Mining in the Big Data Era. , 2017, , 583-616.		4
509	Effect of node attributes on the temporal dynamics of network structure. <i>Physical Review E</i> , 2017, 95, 032304.	0.8	1
510	Consensus in averager-copier-voter networks of moving dynamical agents. <i>Chaos</i> , 2017, 27, 023116.	1.0	26
511	Motifs in Temporal Networks. , 2017, , .		361
512	Lower bound of assortativity coefficient in scale-free networks. <i>Chaos</i> , 2017, 27, 033113.	1.0	17
513	The $\epsilon$ -Model – Maximum Likelihood, Cram�r – Rao Bounds, and Hypothesis Testing. <i>IEEE Transactions on Signal Processing</i> , 2017, 65, 3234-3246.	3.2	4
514	Transient networks of spatio-temporal connectivity map communication pathways in brain functional systems. <i>NeuroImage</i> , 2017, 155, 490-502.	2.1	65
515	Detecting switching and intermittent causalities in time series. <i>Chaos</i> , 2017, 27, 047403.	1.0	13
516	Multilayer modeling and analysis of human brain networks. <i>GigaScience</i> , 2017, 6, 1-8.	3.3	137
517	Interactive visualization for brain spatio-temporal networks. , 2017, , .		1
518	From static to temporal network theory: Applications to functional brain connectivity. <i>Network Neuroscience</i> , 2017, 1, 69-99.	1.4	77
519	Clustering coefficient and periodic orbits in flow networks. <i>Chaos</i> , 2017, 27, 035803.	1.0	17
520	Exploring the evolution of node neighborhoods in Dynamic Networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 482, 375-391.	1.2	10

#	ARTICLE	IF	CITATIONS
521	Block Matrix Formulations for Evolving Networks. SIAM Journal on Matrix Analysis and Applications, 2017, 38, 343-360.	0.7	16
522	Asynchronous networks and event driven dynamics. Nonlinearity, 2017, 30, 558-594.	0.6	12
523	Memory and betweenness preference in temporal networks induced from time series. Scientific Reports, 2017, 7, 41951.	1.6	20
524	Stability analysis and control models for rumor spreading in online social networks. International Journal of Modern Physics C, 2017, 28, 1750061.	0.8	12
525	Empirical study of the role of the topology in spreading on communication networks. Physica A: Statistical Mechanics and Its Applications, 2017, 470, 12-19.	1.2	7
526	Ensemble nonequivalence in random graphs with modular structure. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 015001.	0.7	16
527	Reconstruction of stochastic temporal networks through diffusive arrival times. Nature Communications, 2017, 8, 15729.	5.8	34
528	Transient sequences in a hypernetwork generated by an adaptive network of spiking neurons. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160288.	1.6	10
529	Nonnegative matrix factorization algorithms for link prediction in temporal networks using graph communicability. Pattern Recognition, 2017, 71, 361-374.	5.1	84
530	Mathematics of Epidemics on Networks. Interdisciplinary Applied Mathematics, 2017, , .	0.2	293
531	Interplay Between Spreading and Random Walk Processes in Multiplex Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 2761-2771.	3.5	10
532	Theoretical solutions for degree distribution of decreasing random birth-and-death networks. Modern Physics Letters B, 2017, 31, 1750161.	1.0	3
533	Statistical physics of human cooperation. Physics Reports, 2017, 687, 1-51.	10.3	1,036
534	Ranking in evolving complex networks. Physics Reports, 2017, 689, 1-54.	10.3	180
536	Burstiness and tie activation strategies in time-varying social networks. Scientific Reports, 2017, 7, 46225.	1.6	32
537	Link prediction via matrix completion. Europhysics Letters, 2017, 117, 38002.	0.7	89
538	Eigenvector-Based Centrality Measures for Temporal Networks. Multiscale Modeling and Simulation, 2017, 15, 537-574.	0.6	120
539	Quantifying patterns of research-interest evolution. Nature Human Behaviour, 2017, 1, .	6.2	100

#	ARTICLE	IF	CITATIONS
540	Emerging Frontiers of Neuroengineering: A Network Science of Brain Connectivity. Annual Review of Biomedical Engineering, 2017, 19, 327-352.	5.7	49
541	Onset of anomalous diffusion from local motion rules. Physical Review E, 2017, 95, 022113.	0.8	14
542	Locating Temporal Functional Dynamics of Visual Short-Term Memory Binding using Graph Modular Dirichlet Energy. Scientific Reports, 2017, 7, 42013.	1.6	19
543	Finding Dynamic Dense Subgraphs. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-30.	2.5	20
544	The role of direct links for link prediction in evolving networks. Europhysics Letters, 2017, 117, 28002.	0.7	30
545	Dynamic-Sensitive centrality of nodes in temporal networks. Scientific Reports, 2017, 7, 41454.	1.6	33
546	Dynamics on networks: competition of temporal and topological correlations. Scientific Reports, 2017, 7, 41627.	1.6	27
547	Evaluation of an analytic, approximate formula for the time-varying SIS prevalence in different networks. Physica A: Statistical Mechanics and Its Applications, 2017, 471, 325-336.	1.2	9
548	Information spreading on mobile communication networks: A new model that incorporates human behaviors. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 334-341.	1.2	7
549	Pinning control and controllability of complex dynamical networks. International Journal of Automation and Computing, 2017, 14, 1-9.	4.5	72
550	Influential Actors Detection Using Attractiveness Model in Social Media Networks. Studies in Computational Intelligence, 2017, , 123-134.	0.7	3
551	EAODR: A novel routing algorithm based on the Modified Temporal Graph network model for DTN-based Interplanetary Networks. Computer Networks, 2017, 129, 129-141.	3.2	17
552	Epidemic spreading on activity-driven networks with attractiveness. Physical Review E, 2017, 96, 042310.	0.8	50
553	Theory of Turing Patterns on Time Varying Networks. Physical Review Letters, 2017, 119, 148301.	2.9	50
554	Introduction to Temporal Network Epidemiology. Theoretical Biology, 2017, , 1-16.	0.0	3
555	Disease Spreading in Time-Evolving Networked Communities. Theoretical Biology, 2017, , 291-316.	0.0	0
556	Measuring Propagation with Temporal Webs. Theoretical Biology, 2017, , 57-104.	0.0	1
557	Robust Modeling of Human Contact Networks Across Different Scales and Proximity-Sensing Techniques. Lecture Notes in Computer Science, 2017, , 536-551.	1.0	15

#	ARTICLE	IF	CITATIONS
558	Surveillance for Outbreak Detection in Livestock-Trade Networks. <i>Theoretical Biology</i> , 2017, , 215-240.	0.0	10
559	Toward a Realistic Modeling of Epidemic Spreading with Activity Driven Networks. <i>Theoretical Biology</i> , 2017, , 317-342.	0.0	1
560	How Behaviour and the Environment Influence Transmission in Mobile Groups. <i>Theoretical Biology</i> , 2017, , 17-42.	0.0	4
561	Sensitivity to Temporal and Topological Misinformation in Predictions of Epidemic Outbreaks. <i>Theoretical Biology</i> , 2017, , 43-55.	0.0	0
562	Epidemic Threshold in Temporally-Switching Networks. <i>Theoretical Biology</i> , 2017, , 161-177.	0.0	31
563	Control Strategies of Contagion Processes in Time-Varying Networks. <i>Theoretical Biology</i> , 2017, , 179-197.	0.0	3
564	Enhancing robustness of interdependent network under recovery based on a two-layer-protection strategy. <i>Scientific Reports</i> , 2017, 7, 12753.	1.6	14
565	Super-Resolution Community Detection for Layer-Aggregated Multilayer Networks. <i>Physical Review X</i> , 2017, 7, .	2.8	16
566	TimeRank: A dynamic approach to rate scholars using citations. <i>Journal of Informetrics</i> , 2017, 11, 1128-1141.	1.4	8
567	Random graph models for dynamic networks. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	77
568	Common neighbour structure and similarity intensity in complex networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3377-3383.	0.9	9
569	Random walks and diffusion on networks. <i>Physics Reports</i> , 2017, 716-717, 1-58.	10.3	420
570	Exploring activity-driven network with biased walks. <i>International Journal of Modern Physics C</i> , 2017, 28, 1750111.	0.8	0
571	Modelling sequences and temporal networks with dynamic community structures. <i>Nature Communications</i> , 2017, 8, 582.	5.8	81
572	GPU-based computation for brain spatio-temporal networks definition. , 2017, 2017, 1493-1496.		0
573	Determinants of public cooperation in multiplex networks. <i>New Journal of Physics</i> , 2017, 19, 073017.	1.2	95
574	Effects of burstiness on the air transportation system. <i>Physical Review E</i> , 2017, 95, 012325.	0.8	4
575	Effects of temporal correlations in social multiplex networks. <i>Scientific Reports</i> , 2017, 7, 8597.	1.6	27



#	ARTICLE	IF	CITATIONS
576	Link predication based on matrix factorization by fusion of multi class organizations of the network. Scientific Reports, 2017, 7, 8937.	1.6	15
577	Concurrency-Induced Transitions in Epidemic Dynamics on Temporal Networks. Physical Review Letters, 2017, 119, 108301.	2.9	38
578	Temporal Characteristics of the Chinese Aviation Network and their Effects on the Spread of Infectious Diseases. Scientific Reports, 2017, 7, 1275.	1.6	14
579	Social contagions on time-varying community networks. Physical Review E, 2017, 95, 052306.	0.8	38
580	Amplitude death and resurgence of oscillation in networks of mobile oscillators. Europhysics Letters, 2017, 118, 40002.	0.7	20
581	Ranking the key nodes with temporal degree deviation centrality on complex networks. , 2017, , .		8
582	A probabilistic link prediction model in time-varying social networks. , 2017, , .		17
583	Adapting the Bronâ€“Kerbosch algorithm for enumerating maximal cliques in temporal graphs. Social Network Analysis and Mining, 2017, 7, 1.	1.9	38
584	Forward reachable sets: Analytically derived properties of connected components for dynamic networks. Network Science, 2017, 5, 328-354.	0.8	13
585	Towards a Generic Resilience Management, Quantification and Development Process: General Definitions, Requirements, Methods, Techniques and Measures, and Case Studies. NATO Science for Peace and Security Series C: Environmental Security, 2017, , 21-80.	0.1	32
586	Time-varying multiplex network: Intralayer and interlayer synchronization. Physical Review E, 2017, 96, 062308.	0.8	70
587	The fundamental advantages of temporal networks. Science, 2017, 358, 1042-1046.	6.0	287
588	Optimal Quantum Spatial Search on Random Temporal Networks. Physical Review Letters, 2017, 119, 220503.	2.9	39
589	Network-based approaches to quantify multicellular development. Journal of the Royal Society Interface, 2017, 14, 20170484.	1.5	23
590	Accelerating Core Decomposition in Large Temporal Networks Using GPUs. Lecture Notes in Computer Science, 2017, , 893-903.	1.0	2
591	Insider Threat Event Detection in User-System Interactions. , 2017, , .		9
592	Discovering recurring activity in temporal networks. Data Mining and Knowledge Discovery, 2017, 31, 1840-1871.	2.4	13
593	Bayesian approach to multilayer stochastic blockmodel and network changepoint detection. Network Science, 2017, 5, 164-186.	0.8	6

#	ARTICLE	IF	CITATIONS
594	Fast Computation of Dense Temporal Subgraphs. , 2017, , .		35
595	Expected Number of Fixed Points in Boolean Networks with Arbitrary Topology. Physical Review Letters, 2017, 119, 028301.	2.9	28
596	Random walks on activity-driven networks with attractiveness. Physical Review E, 2017, 95, 052318.	0.8	41
597	The contact process on scale-free networks evolving by vertex updating. Royal Society Open Science, 2017, 4, 170081.	1.1	9
598	Explosive spreading on complex networks: The role of synergy. Physical Review E, 2017, 95, 042320.	0.8	35
599	Social contagions on weighted networks. Physical Review E, 2017, 96, 012306.	0.8	18
600	Sparse matrix computations for dynamic network centrality. Applied Network Science, 2017, 2, 17.	0.8	7
601	Using attractiveness model for actors ranking in social media networks. Computational Social Networks, 2017, 4, 3.	2.1	4
602	Clone temporal centrality measures for incomplete sequences of graph snapshots. BMC Bioinformatics, 2017, 18, 261.	1.2	4
603	Modularity in complex multilayer networks with multiple aspects: a static perspective. Applied Informatics, 2017, 4, .	0.5	20
604	Exploring Topological Effects on Water Distribution System Performance Using Graph Theory and Statistical Models. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	1.3	42
605	Dynamic Functional Segregation and Integration in Human Brain Network During Complex Tasks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 547-556.	2.7	38
606	On the Dynamics of Complex Network. , 2017, , .		0
607	Personal Analytics and Privacy. An Individual and Collective Perspective. Lecture Notes in Computer Science, 2017, , .	1.0	1
608	On the Applicability of Onion Routing on Predictable Delay-Tolerant Networks. , 2017, , .		3
609	Node-centric Community Discovery: From static to dynamic social network analysis. Online Social Networks and Media, 2017, 3-4, 32-48.	2.3	9
610	Temporal Information Partitioning Networks (TIPNets): A process network approach to infer ecohydrologic shifts. Water Resources Research, 2017, 53, 5899-5919.	1.7	48
611	Signs of universality in the structure of culture. European Physical Journal B, 2017, 90, 1.	0.6	5

#	ARTICLE	IF	CITATIONS
612	Time-varying networks based on activation and deactivation mechanisms. Chinese Physics B, 2017, 26, 108902.	0.7	0
613	Dynamic Community Detection Using Nonnegative Matrix Factorization. , 2017, , .		2
614	Time evolution of the importance of nodes in VANET based on temporal networks. , 2017, , .		2
615	Effect of the link lifetime in a dynamical lattice on the properties of the avalanche processes on it. Journal of Experimental and Theoretical Physics, 2017, 125, 691-701.	0.2	3
616	Parallel Algorithm for Single-Source Earliest-Arrival Problem in Temporal Graphs. , 2017, , .		5
617	An adjacency matrix approach to delay analysis in temporal networks. , 2017, , .		0
618	Dynamical network models for cattle trade: towards economy-based epidemic risk assessment. Journal of Complex Networks, 2017, 5, 604-624.	1.1	10
619	The functional regions in structural controllability of human functional brain networks. , 2017, , .		4
620	Socially-Sensitive Systems Design: Exploring Social Potential. IEEE Technology and Society Magazine, 2017, 36, 72-80.	0.6	15
621	Modeling information diffusion in time-varying community networks. Chaos, 2017, 27, 123107.	1.0	10
622	Influence of control parameters adaptation on spread of positive genomes within populations of selected differential evolution algorithms. , 2017, , .		0
623	Combining structural and dynamic information to predict activity in link streams. , 2017, , .		7
624	An analytical framework for the study of epidemic models on activity driven networks. Journal of Complex Networks, 2017, 5, 924-952.	1.1	39
625	Phase Transitions in the Kinetic Ising Model on the Temporal Directed Random Regular Graph. Frontiers in Physics, 2017, 5, .	1.0	4
626	Risk of Coinfection Outbreaks in Temporal Networks: A Case Study of a Hospital Contact Network. Frontiers in Physics, 2017, 5, .	1.0	11
627	Functional Synchronization: The Emergence of Coordinated Activity in Human Systems. Frontiers in Psychology, 2017, 8, 945.	1.1	36
628	Swarm-Enabling Technology for Multi-Robot Systems. Frontiers in Robotics and AI, 2017, 4, .	2.0	50
629	MultiAspect Graphs: Algebraic Representation and Algorithms. Algorithms, 2017, 10, 1.	1.2	120

#	ARTICLE	IF	CITATIONS
630	Mapping Higher-Order Network Flows in Memory and Multilayer Networks with Infomap. Algorithms, 2017, 10, 112.	1.2	56
631	Backtracking and Mixing Rate of Diffusion on Uncorrelated Temporal Networks. Entropy, 2017, 19, 542.	1.1	5
632	Representation and Analysis of Twitter Activity. , 2017, , .		7
633	Modeling and Simulation of Project Management through the PMBOK® Standard Using Complex Networks. Complexity, 2017, 2017, 1-12.	0.9	12
634	Analysis of the Spatial Organization of Pastures as a Contact Network, Implications for Potential Disease Spread and Biosecurity in Livestock, France, 2010. PLoS ONE, 2017, 12, e0169881.	1.1	15
635	Structural Controllability of Temporal Networks with a Single Switching Controller. PLoS ONE, 2017, 12, e0170584.	1.1	19
636	Emergence of encounter networks due to human mobility. PLoS ONE, 2017, 12, e0184532.	1.1	36
637	Identifying vital nodes on temporal networks: An edge-based K-shell decomposition. , 2017, , .		9
638	Predicting epidemic evolution on contact networks from partial observations. PLoS ONE, 2017, 12, e0176376.	1.1	1
639	Short-term activity cycles impede information transmission in ant colonies. PLoS Computational Biology, 2017, 13, e1005527.	1.5	17
640	Data-driven modeling of collaboration networks: a cross-domain analysis. EPJ Data Science, 2017, 6, .	1.5	14
641	Temporal patterns behind the strength of persistent ties. EPJ Data Science, 2017, 6, .	1.5	23
642	Computation and analysis of temporal betweenness in a knowledge mobilization network. Computational Social Networks, 2017, 4, 5.	2.1	6
643	Inferring waiting time distributions of temporal networks using unicast-based active sampling. , 2017, , .		0
644	The characterisation of engineering activity through email communication and content dynamics, for support of engineering project management. Design Science, 2017, 3, .	1.1	10
645	Ego-betweenness centrality in link streams. , 2017, , .		3
646	On Using Network Science in Mining Developers Collaboration in Software Engineering: A Systematic Literature Review. International Journal of Data Mining & Knowledge Management Process, 2017, 7, 01-20.	0.1	2
647	Towards representing human behavior and decision making in Earth system models – an overview of techniques and approaches. Earth System Dynamics, 2017, 8, 977-1007.	2.7	57

#	ARTICLE	IF	CITATIONS
648	Subnetwork Mining with Spatial and Temporal Smoothness. , 2017, , 354-362.		1
649	Mobility and Epidemic Process in Temporal Networks. , 2017, , .		2
650	Evolutionary algorithms dynamics represented by contact sequences. AIP Conference Proceedings, 2017, , .	0.3	0
651	Spatio-Temporal-Network Visualization for Exploring Human Movements and Interactions in Physical and Virtual Spaces. Human Dynamics in Smart Cities, 2018, , 67-80.	0.2	2
652	Diffusive Phenomena in Dynamic Networks: A Data-Driven Study. Springer Proceedings in Complexity, 2018, , 151-159.	0.2	1
653	Opinion formation and distribution in a bounded-confidence model on various networks. Physical Review E, 2018, 97, 022312.	0.8	36
654	Effects of time-delays in the dynamics of social contagions. New Journal of Physics, 2018, 20, 013034.	1.2	19
655	Community Discovery in Dynamic Networks. ACM Computing Surveys, 2019, 51, 1-37.	16.1	279
657	Complex Networks IX. Springer Proceedings in Complexity, 2018, , .	0.2	1
658	Change point detection in network models: Preferential attachment and long range dependence. Annals of Applied Probability, 2018, 28, .	0.6	10
659	Statistical properties of links of network: A survey on the shipping lines of Worldwide Marine Transport Network. Physica A: Statistical Mechanics and Its Applications, 2018, 502, 218-227.	1.2	15
660	Phase transition of the susceptible-infected-susceptible dynamics on time-varying configuration model networks. Physical Review E, 2018, 97, 022305.	0.8	21
661	Can banks default overnight? Modelling endogenous contagion on the O/N interbank market. Quantitative Finance, 2018, 18, 1815-1829.	0.9	8
662	Social network analysis: An overview. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1256.	4.6	127
663	A Comprehensive Survey on Multi-hop Wireless Networks: Milestones, Changing Trends and Concomitant Challenges. Wireless Personal Communications, 2018, 101, 677-722.	1.8	23
664	Network analysis of particles and grains. Journal of Complex Networks, 2018, 6, 485-565.	1.1	113
665	Concept Drift and Anomaly Detection in Graph Streams. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5592-5605.	7.2	25
666	Consensus in topologically interacting swarms under communication constraints and time-delays. Nonlinear Dynamics, 2018, 93, 1287-1300.	2.7	27

#	ARTICLE	IF	CITATIONS
667	The Bursts and Lulls of Multimodal Interaction: Temporal Distributions of Behavior Reveal Differences Between Verbal and Non-Verbal Communication. <i>Cognitive Science</i> , 2018, 42, 1297-1316.	0.8	17
668	OLCPM: An online framework for detecting overlapping communities in dynamic social networks. <i>Computer Communications</i> , 2018, 123, 36-51.	3.1	22
669	Coupling dynamics of epidemic spreading and information diffusion on complex networks. <i>Applied Mathematics and Computation</i> , 2018, 332, 437-448.	1.4	141
670	Neural electrical activity and neural network growth. <i>Neural Networks</i> , 2018, 101, 15-24.	3.3	16
671	Lifetime-preserving reference models for characterizing spreading dynamics on temporal networks. <i>Scientific Reports</i> , 2018, 8, 709.	1.6	14
672	Locating multiple diffusion sources in time varying networks from sparse observations. <i>Scientific Reports</i> , 2018, 8, 2685.	1.6	22
673	Epidemic spreading in modular time-varying networks. <i>Scientific Reports</i> , 2018, 8, 2352.	1.6	80
674	Threshold driven contagion on weighted networks. <i>Scientific Reports</i> , 2018, 8, 3094.	1.6	34
675	Epidemic dynamics on information-driven adaptive networks. <i>Chaos, Solitons and Fractals</i> , 2018, 108, 196-204.	2.5	25
676	Temporal evolution of the degree distribution of alters in growing networks. <i>Network Science</i> , 2018, 6, 97-155.	0.8	2
677	Evolution of cooperation with interactive identity and diversity. <i>Journal of Theoretical Biology</i> , 2018, 442, 149-157.	0.8	30
678	Localization of diffusion sources in complex networks with sparse observations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 931-937.	0.9	26
679	A multiobjective discrete bat algorithm for community detection in dynamic networks. <i>Applied Intelligence</i> , 2018, 48, 3081-3093.	3.3	27
680	Synergistic effects in threshold models on networks. <i>Chaos</i> , 2018, 28, 013115.	1.0	14
681	Link Weight Prediction Using Supervised Learning Methods and Its Application to Yelp Layered Network. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018, 30, 1507-1518.	4.0	89
682	A Gillespie Algorithm for Non-Markovian Stochastic Processes. <i>SIAM Review</i> , 2018, 60, 95-115.	4.2	46
683	Automated monitoring of behavior reveals bursty interaction patterns and rapid spreading dynamics in honeybee social networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1433-1438.	3.3	103
684	Heterogeneous continuous-time random walks. <i>Physical Review E</i> , 2018, 97, 012148.	0.8	23

#	ARTICLE	IF	CITATIONS
685	Effect of risk perception on epidemic spreading in temporal networks. <i>Physical Review E</i> , 2018, 97, 012313.	0.8	59
686	Dynamic Flexibility in Striatal-Cortical Circuits Supports Reinforcement Learning. <i>Journal of Neuroscience</i> , 2018, 38, 2442-2453.	1.7	82
687	Multifractal dynamics of resting-state functional connectivity in the prefrontal cortex. <i>Physiological Measurement</i> , 2018, 39, 024003.	1.2	32
688	Isomorphisms in Multilayer Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2018, 5, 198-211.	4.1	14
689	NDlib: a python library to model and analyze diffusion processes over complex networks. <i>International Journal of Data Science and Analytics</i> , 2018, 5, 61-79.	2.4	52
690	Tracking Bitcoin Users Activity Using Community Detection on a Network of Weak Signals. <i>Studies in Computational Intelligence</i> , 2018, , 166-177.	0.7	27
691	A guide to calculating habitatâ€quality metrics to inform conservation of highly mobile species. <i>Natural Resource Modelling</i> , 2018, 31, .	0.8	4
692	Graph regularized nonnegative matrix factorization for temporal link prediction in dynamic networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 496, 121-136.	1.2	80
693	Multiple peaks patterns of epidemic spreading in multi-layer networks. <i>Chaos, Solitons and Fractals</i> , 2018, 107, 135-142.	2.5	15
694	From Maps to Multi-dimensional Network Mechanisms of Mental Disorders. <i>Neuron</i> , 2018, 97, 14-31.	3.8	146
695	Dynamic network measures reveal the impact of cattle markets and alpine summering on the risk of epidemic outbreaks in the Swiss cattle population. <i>BMC Veterinary Research</i> , 2018, 14, 88.	0.7	20
696	Queues on a Dynamically Evolving Graph. <i>Journal of Statistical Physics</i> , 2018, 173, 1124-1148.	0.5	1
697	Epidemics on dynamic networks. <i>Epidemics</i> , 2018, 24, 88-97.	1.5	70
698	Network Structure Inference, A Survey. <i>ACM Computing Surveys</i> , 2019, 51, 1-39.	16.1	80
699	Network-Ensemble Comparisons with Stochastic Rewiring and Von Neumann Entropy. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 897-920.	0.8	6
700	Long-Range Interactions and Network Synchronization. <i>SIAM Journal on Applied Dynamical Systems</i> , 2018, 17, 672-693.	0.7	16
701	Embedding time in positions: Temporal measures of centrality for social network analysis. <i>Social Networks</i> , 2018, 54, 168-178.	1.3	22
702	Rewiring the connectome: Evidence and effects. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 88, 51-62.	2.9	65

#	ARTICLE	IF	CITATIONS
703	Social contagions with heterogeneous credibility. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 604-610.	1.2	24
704	A model of spreading of sudden events on social networks. <i>Chaos</i> , 2018, 28, 033113.	1.0	26
705	Complex clinical pathways of an autoimmune disease. <i>Journal of Complex Networks</i> , 2018, 6, 206-214.	1.1	6
707	Emergence and temporal structure of Leadâ€“Lag correlations in collective stock dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 502, 545-553.	1.2	7
708	A symbolic dynamics approach to Epileptic Chronnectomics: Employing strings to predict crisis onset. <i>Theoretical Computer Science</i> , 2018, 710, 116-125.	0.5	2
709	On eigenvector-like centralities for temporal networks: Discrete vs. continuous time scales. <i>Journal of Computational and Applied Mathematics</i> , 2018, 330, 1041-1051.	1.1	19
710	Dynamic proteinâ€“protein interaction networks construction using firefly algorithm. <i>Pattern Analysis and Applications</i> , 2018, 21, 1067-1081.	3.1	19
711	Modeling and interpreting mesoscale network dynamics. <i>NeuroImage</i> , 2018, 180, 337-349.	2.1	101
712	Dynamic graph metrics: Tutorial, toolbox, and tale. <i>NeuroImage</i> , 2018, 180, 417-427.	2.1	120
713	Effects of individual popularity on information spreading in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 489, 32-39.	1.2	14
714	A multilayer network analysis of hashtags in twitter via co-occurrence and semantic links. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850029.	1.0	15
715	Stability of subsystem solutions in agent-based models. <i>European Journal of Physics</i> , 2018, 39, 014001.	0.3	57
716	Travel times and transfers in public transport: Comprehensive accessibility analysis based on Pareto-optimal journeys. <i>Computers, Environment and Urban Systems</i> , 2018, 67, 41-54.	3.3	64
717	Constrained common cluster based model for community detection in temporal and multiplex networks. <i>Neurocomputing</i> , 2018, 275, 768-780.	3.5	12
718	Network science of biological systems at different scales: A review. <i>Physics of Life Reviews</i> , 2018, 24, 118-135.	1.5	305
719	Knowledge diffusion in complex networks by considering time-varying information channels. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 494, 225-235.	1.2	22
720	Structural comparisons of networks and model-based detection of small-worldness. <i>Journal of Economic Interaction and Coordination</i> , 2018, 13, 117-141.	0.4	5
721	The contagion effects of repeated activation in social networks. <i>Social Networks</i> , 2018, 54, 326-335.	1.3	26



#	ARTICLE	IF	CITATIONS
722	Temporal Communication Motifs in Mobile Cohesive Groups. <i>Studies in Computational Intelligence</i> , 2018, , 490-501.	0.7	5
723	On Mining Temporal Patterns in Dynamic Graphs, and Other Unrelated Problems. <i>Studies in Computational Intelligence</i> , 2018, , 516-527.	0.7	3
724	Identification of Co-evolving Temporal Networks. , 2018, , .		4
725	Disappearing Link Prediction in Scientific Collaboration Networks. <i>IEEE Access</i> , 2018, 6, 69702-69712.	2.6	5
726	System Evolution Analytics: Evolution and Change Pattern Mining of Inter-Connected Entities. , 2018, , .		8
727	Food webs over time: evaluating structural differences and variability of degree distributions in food webs. <i>Ecosphere</i> , 2018, 9, e02539.	1.0	4
728	Within-Network Classification in Temporal Graphs. , 2018, , .		0
729	Avoiding Spurious Paths in Centralities Based on Shortest Paths in High Order Networks. , 2018, , .		1
730	From the Difference of Structures to the Structure of the Difference. <i>Complexity</i> , 2018, 2018, 1-12.	0.9	5
731	Dynamical fluctuations in temporal networks based on factorial moment approach. <i>Journal of Physics: Conference Series</i> , 2018, 1113, 012004.	0.3	0
733	On the Temporal Analysis of Vehicular Networks. , 2018, , .		2
734	Recovering the Controllability of the Temporal Networks. , 2018, , .		0
735	Dynamic Network Embeddings: From Random Walks to Temporal Random Walks. , 2018, , .		30
736	A Mobile Application for Multimodal Trip Planning. , 2018, , .		4
737	2SCENT. <i>Proceedings of the VLDB Endowment</i> , 2018, 11, 1441-1453.	2.1	2
738	Correlated bursts in temporal networks slow down spreading. <i>Scientific Reports</i> , 2018, 8, 15321.	1.6	15
739	On Unveiling the Community Structure of Temporal Networks. , 2018, , .		1
740	Cover Time in Edge-Uniform Stochastically-Evolving Graphs. <i>Algorithms</i> , 2018, 11, 149.	1.2	5

#	ARTICLE	IF	CITATIONS
741	Link transmission centrality in large-scale social networks. EPJ Data Science, 2018, 7, .	1.5	7
742	Who is really in my social circle?. Journal of Internet Services and Applications, 2018, 9, .	1.6	6
743	Coloring in the Links. Proceedings of the ACM on Human-Computer Interaction, 2018, 2, 1-18.	2.5	13
744	Foundations of Temporal Text Networks. Applied Network Science, 2018, 3, 25.	0.8	15
745	An Improved Index Based on MapReduce for Path Queries in Public Transportation Networks. , 2018, , .		1
746	Listing All Maximal k-Plexes in Temporal Graphs. , 2018, , .		2
747	Inference of time-varying networks through transfer entropy, the case of a Boolean network model. Chaos, 2018, 28, 103123.	1.0	12
748	Stable information transfer network facilitates the emergence of collective behavior of bird flocks. Physical Review E, 2018, 98, .	0.8	9
749	Close and ordinary social contacts: How important are they in promoting large-scale contagion?. Physical Review E, 2018, 98, .	0.8	13
750	Query Independent Scholarly Article Ranking. , 2018, , .		5
751	Social network plasticity decreases disease transmission in a eusocial insect. Science, 2018, 362, 941-945.	6.0	202
752	Link Prediction in Bipartite Nested Networks. Entropy, 2018, 20, 777.	1.1	5
753	Exceptional times of the critical dynamical Erdős-Rényi graph. Annals of Applied Probability, 2018, 28, .	0.6	6
754	Social contagions with communication channel alternation on multiplex networks. Physical Review E, 2018, 98, .	0.8	30
755	Epidemic spreading and aging in temporal networks with memory. Physical Review E, 2018, 98, .	0.8	26
756	Computer Viruses Propagation Model on Dynamic Switching Networks. Lecture Notes in Computer Science, 2018, , 81-95.	1.0	0
757	Change points, memory and epidemic spreading in temporal networks. Scientific Reports, 2018, 8, 15511.	1.6	15
758	Disentangling group and link persistence in dynamic stochastic block models. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 123407.	0.9	10

#	ARTICLE	IF	CITATIONS
759	Modeling Memory Effects in Activity-Driven Networks. SIAM Journal on Applied Dynamical Systems, 2018, 17, 2830-2854.	0.7	32
760	Random walk on the activity-driven model with mutual selection. Europhysics Letters, 2018, 124, 48004.	0.7	5
761	A Review of Graph Approaches to Network Security Analytics. Lecture Notes in Computer Science, 2018, , 300-323.	1.0	13
762	Simplicial Activity Driven Model. Physical Review Letters, 2018, 121, 228301.	2.9	100
763	Epidemic spreading on time-varying multiplex networks. Physical Review E, 2018, 98, .	0.8	28
764	Temporal walk based centrality metric for graph streams. Applied Network Science, 2018, 3, 32.	0.8	14
765	Reaction-diffusion on random spatial networks with scale-free jumping rates via effective medium theory. Physical Review E, 2018, 98, .	0.8	1
766	What an Entangled Web We Weave: An Information-centric Approach to Time-evolving Socio-technical Systems. Minds and Machines, 2018, 28, 709-733.	2.7	4
767	An improved label propagation algorithm based on node intimacy for community detection in networks. International Journal of Modern Physics B, 2018, 32, 1850279.	1.0	14
768	Prototyping self-managed interdependent networks. , 2018, , .		3
769	Stream graphs and link streams for the modeling of interactions over time. Social Network Analysis and Mining, 2018, 8, 1.	1.9	92
770	Adhesion-Induced Discontinuous Transitions and Classifying Social Networks. Physical Review Letters, 2018, 121, 138301.	2.9	4
771	Dynamics of Deffuant Model in Activity-Driven Online Social Network. Communications in Computer and Information Science, 2018, , 215-224.	0.4	0
772	Sensitive Analysis of Timeframe Type and Size Impact on Community Evolution Prediction. , 2018, , .		7
773	Food dissemination in ants: Robustness of the trophallactic network against resource quality. Journal of Experimental Biology, 2018, 221, .	0.8	13
774	A dynamic message-passing approach for social contagion in time-varying multiplex networks. Europhysics Letters, 2018, 123, 68004.	0.7	3
775	Spatial networks with wireless applications. Comptes Rendus Physique, 2018, 19, 187-204.	0.3	7
776	Distributed Agreement on Activity Driven Networks. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
777	Structural and temporal patterns of the first global trading market. Royal Society Open Science, 2018, 5, 180577.	1.1	2
778	Persistent Community Search in Temporal Networks. , 2018, , .		57
779	Graphlet-orbit Transitions (GoT): A fingerprint for temporal network comparison. PLoS ONE, 2018, 13, e0205497.	1.1	13
780	Framework for Inferring Leadership Dynamics of Complex Movement from Time Series. , 2018, , 549-557.		5
781	Knowledge gaps in the early growth of semantic feature networks. Nature Human Behaviour, 2018, 2, 682-692.	6.2	59
782	Dynamics of investor spanning trees around dot-com bubble. PLoS ONE, 2018, 13, e0198807.	1.1	18
783	Analysis of Basic Features in Dynamic Network Models. Entropy, 2018, 20, 681.	1.1	2
784	Synchronization in a temporal multiplex neuronal hypernetwork. Physical Review E, 2018, 98, .	0.8	65
785	Gas-water two-phase flow pattern recognition based on ERT and ultrasound Doppler. , 2018, , .		5
786	Mapping temporal-network percolation to weighted, static event graphs. Scientific Reports, 2018, 8, 12357.	1.6	31
787	Double transition of information spreading in a two-layered network. Chaos, 2018, 28, 083117.	1.0	10
788	A physical pathway to understand individual's labeling behavior in signed social networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 3147-3151.	0.9	0
789	Generalized voterlike model on activity-driven networks with attractiveness. Physical Review E, 2018, 98, 022303.	0.8	14
790	Renormalization group theory for percolation in time-varying networks. Scientific Reports, 2018, 8, 8011.	1.6	8
791	Social Network Based Big Data Analysis and Applications. Lecture Notes in Social Networks, 2018, , .	0.8	5
792	Stock market as temporal network. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 1104-1112.	1.2	56
793	A paradox of epidemics between the state and parameter spaces. Scientific Reports, 2018, 8, 7517.	1.6	1
794	Desynchronization induced by time-varying network. Europhysics Letters, 2018, 121, 50008.	0.7	16

#	ARTICLE	IF	CITATIONS
795	Extraction and Analysis of Dynamic Conversational Networks from TV Series. Lecture Notes in Social Networks, 2018, , 55-84.	0.8	7
796	A collection of public transport network data sets for 25 cities. Scientific Data, 2018, 5, 180089.	2.4	60
797	Defending against the Advanced Persistent Threat: An Optimal Control Approach. Security and Communication Networks, 2018, 2018, 1-14.	1.0	23
798	Evolutionary dynamics of cooperation in neutral populations. New Journal of Physics, 2018, 20, 013031.	1.2	70
799	Innovations for Community Services. Communications in Computer and Information Science, 2018, , .	0.4	1
800	Randomizing growing networks with a time-respecting null model. Physical Review E, 2018, 97, 052311.	0.8	13
801	Dynamic topologies of activity-driven temporal networks with memory. Physical Review E, 2018, 97, 062148.	0.8	13
802	Spatio-Temporal Motifs for Optimized Vehicle-to-Vehicle (V2V) Communications. , 2018, , .		6
803	Estimating the outcome of spreading processes on networks with incomplete information: A dimensionality reduction approach. Physical Review E, 2018, 98, 012317.	0.8	10
804	Sensing and Modeling Human Behavior Using Social Media and Mobile Data. , 2018, , 313-319.		2
805	ATMoN: Adapting the "Temporality" in Large-Scale Dynamic Networks. , 2018, , .		4
806	On analyzing user preference dynamics with temporal social networks. Machine Learning, 2018, 107, 1745-1773.	3.4	22
807	Characterization of Some Dynamic Network Models. Proceedings (mdpi), 2017, 2, .	0.2	0
808	Probing Empirical Contact Networks by Simulation of Spreading Dynamics. Computational Social Sciences, 2018, , 109-124.	0.4	0
809	Using core-periphery structure to predict high centrality nodes in time-varying networks. Data Mining and Knowledge Discovery, 2018, 32, 1368-1396.	2.4	5
810	Diffusion in networks and the virtue of burstiness. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6996-E7004.	3.3	20
811	Network synchronization with periodic coupling. Physical Review E, 2018, 98, 012304.	0.8	15
812	An Optimized Structure-Function Design Principle Underlies Efficient Signaling Dynamics in Neurons. Scientific Reports, 2018, 8, 10460.	1.6	9

#	ARTICLE	IF	CITATIONS
813	On the nature and use of models in network neuroscience. <i>Nature Reviews Neuroscience</i> , 2018, 19, 566-578.	4.9	277
814	Using Compressed Suffix-Arrays for a compact representation of temporal-graphs. <i>Information Sciences</i> , 2018, 465, 459-483.	4.0	3
815	PATENet: Pairwise Alignment of Time Evolving Networks. <i>Lecture Notes in Computer Science</i> , 2018, , 85-98.	1.0	0
816	Continuous-Time Dynamic Network Embeddings. , 2018, , .		286
817	Exploring temporal community structure and constant evolutionary pattern hiding in dynamic networks. <i>Neurocomputing</i> , 2018, 314, 224-233.	3.5	14
818	Emergence of synchronization and regularity in firing patterns in time-varying neural hypernetworks. <i>Physical Review E</i> , 2018, 97, 052304.	0.8	55
819	An information-theoretic approach to study activity driven networks. , 2018, , .		1
820	Hierarchical burst model for complex bursty dynamics. <i>Physical Review E</i> , 2018, 98, 022316.	0.8	8
821	Embedding Temporal Network via Neighborhood Formation. , 2018, , .		170
822	Crossover phenomena in growth pattern of social contagions with restricted contact. <i>Chaos, Solitons and Fractals</i> , 2018, 114, 408-414.	2.5	4
823	Balancing exploitation of renewable resources by a robot swarm. <i>Swarm Intelligence</i> , 2018, 12, 307-326.	1.3	13
824	The reachability of contagion in temporal contact networks: how disease latency can exploit the rhythm of human behavior. <i>BMC Infectious Diseases</i> , 2018, 18, 219.	1.3	16
825	Optimised scheduling in human-robot collaboration - a use case in the assembly of printed circuit boards. <i>International Journal of Production Research</i> , 2018, 56, 5522-5540.	4.9	48
826	Human mobility and innovation spreading in ancient times: a stochastic agent-based simulation approach. <i>EPJ Data Science</i> , 2018, 7, .	1.5	19
827	Quantifying the contact memory in temporal human interactions. , 2018, , .		0
828	Centrality in earthquake multiplex networks. <i>Chaos</i> , 2018, 28, 063113.	1.0	11
829	Community detection via measuring the strength between nodes for dynamic networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 256-264.	1.2	14
830	Networks of infinite-server queues with multiplicative transitions. <i>Performance Evaluation</i> , 2018, 123-124, 35-49.	0.9	6

#	ARTICLE	IF	CITATIONS
831	Towards the description of livestock mobility in Sahelian Africa: Some results from a survey in Mauritania. PLoS ONE, 2018, 13, e0191565.	1.1	49
832	Dynamic Social Network Analysis Using Author-Topic Model. Communications in Computer and Information Science, 2018, , 47-62.	0.4	2
833	A Survey of Social Network Analysis Techniques and their Applications to Socially Aware Networking. IEICE Transactions on Communications, 2019, E102.B, 17-39.	0.4	16
834	Dynamic Reorganization of Functional Connectivity Reveals Abnormal Temporal Efficiency in Schizophrenia. Schizophrenia Bulletin, 2019, 45, 659-669.	2.3	59
835	A Temporal-Information-Based Adaptive Routing Algorithm for Software Defined Vehicular Networks. , 2019, , .		13
836	Effective and scalable methods for graph protection strategies against epidemics on dynamic networks. Applied Network Science, 2019, 4, .	0.8	10
837	Mining Temporal Networks. , 2019, , .		23
838	Contact-Based Model for Epidemic Spreading on Temporal Networks. Physical Review X, 2019, 9, .	2.8	26
839	Assessing the computational complexity of multilayer subgraph detection. Network Science, 2019, 7, 215-241.	0.8	4
840	Feature-rich networks: going beyond complex network topologies. Applied Network Science, 2019, 4, .	0.8	54
841	A novel framework for community modeling and characterization in directed temporal networks. Applied Network Science, 2019, 4, .	0.8	4
842	Optimizing state change detection in functional temporal networks through dynamic community detection. Journal of Complex Networks, 2019, 7, 529-553.	1.1	4
843	Relational flexibility of network elements based on inconsistent community detection. Physical Review E, 2019, 100, 022311.	0.8	11
844	Network representation learning: models, methods and applications. SN Applied Sciences, 2019, 1, 1.	1.5	9
845	Message anonymity on predictable opportunistic networks. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15059-15072.	3.3	3
846	Database and Expert Systems Applications. Communications in Computer and Information Science, 2019, , .	0.4	0
847	An information-theoretic, all-scales approach to comparing networks. Applied Network Science, 2019, 4, .	0.8	52
848	Some Observations on Dynamic Random Walks and Network Renormalization. Lecture Notes in Computer Science, 2019, , 18-28.	1.0	0

#	ARTICLE	IF	CITATIONS
849	Copula-based algorithm for generating bursty time series. <i>Physical Review E</i> , 2019, 100, 022307.	0.8	8
850	Random walker's view of networks whose growth it shapes. <i>Physical Review E</i> , 2019, 99, 062306.	0.8	2
851	Segregation in religion networks. <i>EPJ Data Science</i> , 2019, 8, .	1.5	10
852	ARROW: Approximating Reachability Using Random Walks Over Web-Scale Graphs. , 2019, , .		15
853	What Counts as a Weak Tie? A Comparison of Filtering Techniques for Weighted Networks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
854	Spreading dynamics in a cattle trade network: Size, speed, typical profile and consequences on epidemic control strategies. <i>PLoS ONE</i> , 2019, 14, e0217972.	1.1	11
855	Modeling random walkers on growing random networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 121117.	1.2	0
856	On the emergence of large clusters of acoustic power sources at the onset of thermoacoustic instability in a turbulent combustor. <i>Journal of Fluid Mechanics</i> , 2019, 874, 455-482.	1.4	28
857	Community detection in temporal networks via a spreading process. <i>Europhysics Letters</i> , 2019, 126, 48001.	0.7	24
858	Epidemic threshold and ergodicity of an SIS model in switched networks. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 479, 1182-1194.	0.5	7
859	Suppression of epidemic spreading in time-varying multiplex networks. <i>Applied Mathematical Modelling</i> , 2019, 75, 806-818.	2.2	43
860	Trip Centrality: walking on a temporal multiplex with non-instantaneous link travel time. <i>Scientific Reports</i> , 2019, 9, 10570.	1.6	7
861	Network Motifs: A Survey. <i>Communications in Computer and Information Science</i> , 2019, , 80-91.	0.4	6
862	Learning to Represent the Evolution of Dynamic Graphs with Recurrent Models. , 2019, , .		36
863	Temporal characteristics and reliability analysis of railway transportation networks. <i>Transportmetrica A: Transport Science</i> , 2019, 15, 1825-1847.	1.3	16
864	Impact of temporal connectivity patterns on epidemic process. <i>European Physical Journal B</i> , 2019, 92, 1.	0.6	1
866	Coevolution spreading in complex networks. <i>Physics Reports</i> , 2019, 820, 1-51.	10.3	180
867	Impact of temporal network structures on the speed of consensus formation in opinion dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 1355-1370.	1.2	15



#	ARTICLE	IF	CITATIONS
868	Optimal Containment of Epidemics over Temporal Activity-Driven Networks. <i>SIAM Journal on Applied Mathematics</i> , 2019, 79, 986-1006.	0.8	20
869	Optimal timescale for community detection in growing networks. <i>New Journal of Physics</i> , 2019, 21, 093066.	1.2	3
870	Universal behavior of cascading failures in interdependent networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22452-22457.	3.3	68
871	Backbone reconstruction in temporal networks from epidemic data. <i>Physical Review E</i> , 2019, 100, 042306.	0.8	5
872	Parametrization of Spreading Processes Within Complex Networks with the Use of Knowledge Acquired from Network Samples. <i>Procedia Computer Science</i> , 2019, 159, 2279-2293.	1.2	2
873	Convergence of chaotic attractors due to interaction based on closeness. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125997.	0.9	15
874	Perception, prestige and PageRank. <i>PLoS ONE</i> , 2019, 14, e0216783.	1.1	6
875	The complete chloroplast genome of a wild sweet potato, <i>Ipomoea trifida</i> (Kunth) G. Don. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 2063-2064.	0.2	1
876	Sampling Methods for Counting Temporal Motifs. , 2019, , .		29
877	Diffusion dynamics and information spreading in multilayer networks: An overview. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2351-2355.	1.2	23
878	Toward optimizing control signal paths in functional brain networks. <i>Chaos</i> , 2019, 29, 103144.	1.0	5
879	Constant state of change: engagement inequality in temporal dynamic networks. <i>Applied Network Science</i> , 2019, 4, .	0.8	0
880	Relative Hausdorff distance for network analysis. <i>Applied Network Science</i> , 2019, 4, .	0.8	9
881	Automated design of random dynamic graph models. , 2019, , .		1
882	Approximating the Temporal Neighbourhood Function of Large Temporal Graphs. <i>Algorithms</i> , 2019, 12, 211.	1.2	8
883	Stance polarity in political debates: A diachronic perspective of network homophily and conversations on Twitter. <i>Data and Knowledge Engineering</i> , 2019, 124, 101738.	2.1	34
884	When resolution does matter: Modelling indirect contacts in dairy farms at different levels of detail. <i>PLoS ONE</i> , 2019, 14, e0223652.	1.1	10
885	Identifying epidemic threshold by temporal profile of outbreaks on networks. <i>Chaos</i> , 2019, 29, 103141.	1.0	2

#	ARTICLE	IF	CITATIONS
886	Temporal Network Theory. Computational Social Sciences, 2019, , .	0.4	76
887	Detecting and Tracking Community Structure in Temporal Networks: A Low-Rank + Sparse Estimation Based Evolutionary Clustering Approach. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 723-738.	1.6	10
888	Assessment of large-scale transitions in public transport networks using open timetable data: case of Helsinki metro extension. Journal of Transport Geography, 2019, 79, 102470.	2.3	15
889	Node embeddings in dynamic graphs. Applied Network Science, 2019, 4, .	0.8	24
890	Automated design of random dynamic graph models for enterprise computer network applications. , 2019, , .		0
891	Complex network of United States migration. Computational Social Networks, 2019, 6, .	2.1	21
892	A scalable node ordering strategy based on community structure for enhanced temporal network visualization. Computers and Graphics, 2019, 84, 185-198.	1.4	18
893	Redefining Node Centrality for Task Allocation in Mobile CrowdSensing Platforms. , 2019, , .		4
894	Identification of key companies for international profit shifting in the Global Ownership Network. Applied Network Science, 2019, 4, .	0.8	9
895	Choosing to Grow a Graph: Modeling Network Formation as Discrete Choice. , 2019, , .		29
896	Random temporal connections promote network synchronization. Physical Review E, 2019, 100, 032302.	0.8	13
897	STAG-Based QoS Support Routing Strategy for Multiple Missions Over the Satellite Networks. IEEE Transactions on Communications, 2019, 67, 6912-6924.	4.9	50
898	Flexible model of network embedding. Scientific Reports, 2019, 9, 11710.	1.6	2
899	Seasonal payoff variations and the evolution of cooperation in social dilemmas. Scientific Reports, 2019, 9, 12575.	1.6	44
900	The politics of physicists' social models. Comptes Rendus Physique, 2019, 20, 380-386.	0.3	4
901	Efficient distributed reachability querying of massive temporal graphs. VLDB Journal, 2019, 28, 871-896.	2.7	15
902	Time-Dependent Graphs: Definitions, Applications, and Algorithms. Data Science and Engineering, 2019, 4, 352-366.	4.6	59
903	Analyzing Temporal Graphs with Gradoop. Datenbank-Spektrum, 2019, 19, 199-208.	1.2	5

#	ARTICLE	IF	CITATIONS
904	Enhancing synchrony in multiplex network due to rewiring frequency. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20190460.	1.0	11
905	To reunite or not: A study of artificially fragmented <i>Diacamma indicum</i> ant colonies. Behavioural Processes, 2019, 158, 4-10.	0.5	4
906	Diffusively coupled Allee effect on heterogeneous and homogeneous graphs. Physica A: Statistical Mechanics and Its Applications, 2019, 521, 18-28.	1.2	5
907	Nonparametric Identification in the Dynamic Stochastic Block Model. IEEE Transactions on Information Theory, 2019, 65, 4335-4344.	1.5	3
908	Detecting sequences of system states in temporal networks. Scientific Reports, 2019, 9, 795.	1.6	41
909	Role of persistent cascades in diffusion. Physical Review E, 2019, 99, 012323.	0.8	2
910	Time-Aware Knowledge Graphs for Decision Making in the Building Industry. Lecture Notes in Business Information Processing, 2019, , 57-69.	0.8	2
911	Link prediction in temporal networks: Integrating survival analysis and game theory. Information Sciences, 2019, 498, 41-61.	4.0	65
912	Advances in Network Controllability. IEEE Circuits and Systems Magazine, 2019, 19, 8-32.	2.6	86
913	Restricted migration of infected individuals in epidemic metapopulation model on double graphs. Physica A: Statistical Mechanics and Its Applications, 2019, 531, 121775.	1.2	2
914	Synchronization to extreme events in moving agents. New Journal of Physics, 2019, 21, 073048.	1.2	76
915	Network dynamics of coupled oscillators and phase reduction techniques. Physics Reports, 2019, 819, 1-105.	10.3	90
916	Computing hubs in the hippocampus and cortex. Science Advances, 2019, 5, eaax4843.	4.7	26
917	Improving Portfolio Optimization Using Weighted Link Prediction in Dynamic Stock Networks. Lecture Notes in Computer Science, 2019, , 340-353.	1.0	1
918	Nestedness in complex networks: Observation, emergence, and implications. Physics Reports, 2019, 813, 1-90.	10.3	127
919	Spreading of computer viruses on time-varying networks. Physical Review E, 2019, 99, 050303.	0.8	5
920	Transitivity and structural balance in marmot social networks. Behavioral Ecology and Sociobiology, 2019, 73, 1.	0.6	16
921	Business Network Analytics: From Graphs to Supernetworks. , 2019, , 307-400.		2

#	ARTICLE	IF	CITATIONS
922	Detecting evolving communities in dynamic networks using graph regularized evolutionary nonnegative matrix factorization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 530, 121279.	1.2	8
923	Community discovering in temporal network with spectral fusion. <i>Chaos</i> , 2019, 29, 043122.	1.0	4
924	Method for Detecting Nodes Influence Who Occupy Structural Holes in Temporal Network. , 2019, , .		0
925	Tracking dynamic brain networks using high temporal resolution MEG measures of functional connectivity. <i>NeuroImage</i> , 2019, 200, 38-50.	2.1	83
926	Identification of co-evolving temporal networks. <i>BMC Genomics</i> , 2019, 20, 434.	1.2	8
927	Particle velocity controls phase transitions in contagion dynamics. <i>Scientific Reports</i> , 2019, 9, 6463.	1.6	14
928	Decision Support Systems IX: Main Developments and Future Trends. <i>Lecture Notes in Business Information Processing</i> , 2019, , .	0.8	0
929	Community evolution prediction in dynamic social networks using community features' change rates. , 2019, , .		8
931	Contact chains of cattle farms in Great Britain. <i>Royal Society Open Science</i> , 2019, 6, 180719.	1.1	20
932	Evolution of the Cultural Trade Network in the Belt and Road Region: Implication for Global Cultural Sustainability. <i>Sustainability</i> , 2019, 11, 2744.	1.6	12
933	Localization of diffusion sources in complex networks: A maximum-largest method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121262.	1.2	5
934	TM-Miner: TFS-Based Algorithm for Mining Temporal Motifs in Large Temporal Network. <i>IEEE Access</i> , 2019, 7, 49778-49789.	2.6	13
935	Allee effect with time-varying migration on heterogeneous graphs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121276.	1.2	8
936	Research on Interaction Tracking between Community Discovery and theme Evolution Based on DBLP Scientific Research Cooperation Network. , 2019, , .		1
937	Synchronization in dynamic network using threshold control approach. <i>Europhysics Letters</i> , 2019, 125, 10011.	0.7	22
938	Information diffusion backbones in temporal networks. <i>Scientific Reports</i> , 2019, 9, 6798.	1.6	27
939	Effects of online and offline interaction on rumor propagation in activity-driven networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 1124-1135.	1.2	14
940	On the Enumeration of Bicriteria Temporal Paths. <i>Lecture Notes in Computer Science</i> , 2019, , 518-535.	1.0	3

#	ARTICLE	IF	CITATIONS
941	Joint effect of individual's memory and attractiveness in temporal network on spreading dynamics. International Journal of Modern Physics C, 2019, 30, 1950011.	0.8	3
942	Deep learning in turbulent convection networks. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8667-8672.	3.3	37
943	Impact of misinformation in temporal network epidemiology. Network Science, 2019, 7, 52-69.	0.8	8
944	Temporal Netgrid Model-Based Dynamic Routing in Large-Scale Small Satellite Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 6009-6021.	3.9	88
945	A new recommender algorithm on signed networks. Physica A: Statistical Mechanics and Its Applications, 2019, 520, 317-321.	1.2	5
946	Graphlets in Network Science and Computational Biology. , 2019, , 193-240.		2
947	Triadic time series motifs. Europhysics Letters, 2019, 125, 18002.	0.7	4
948	Identifying influential spreaders in complex networks by propagation probability dynamics. Chaos, 2019, 29, 033120.	1.0	45
949	Data-driven classification of residential energy consumption patterns by means of functional connectivity networks. Applied Energy, 2019, 242, 506-515.	5.1	16
950	A parallel data generator for efficiently generating "realistic" social streams. Frontiers of Computer Science, 2019, 13, 1072-1101.	1.6	1
951	Inter-technology relationship networks: Arranging technologies through text mining. Technological Forecasting and Social Change, 2019, 143, 202-213.	6.2	17
952	From networks to optimal higher-order models of complex systems. Nature Physics, 2019, 15, 313-320.	6.5	239
953	The physics of brain network structure, function and control. Nature Reviews Physics, 2019, 1, 318-332.	11.9	233
954	Feedback-induced self-oscillations in large interacting systems subjected to phase transitions. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 045002.	0.7	7
955	How does temporal variation in habitat connectivity influence metapopulation dynamics?. Oikos, 2019, 128, 1277-1286.	1.2	28
956	Identifying and using driver nodes in temporal networks. Journal of Complex Networks, 2019, 7, 720-748.	1.1	11
957	Centrality-based identification of important edges in complex networks. Chaos, 2019, 29, 033115.	1.0	38
958	Temporal information gathering process for node ranking in time-varying networks. Chaos, 2019, 29, 033116.	1.0	30

#	ARTICLE	IF	CITATIONS
959	Novel method for spreading information with fewer resources in scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 524, 15-29.	1.2	4
960	Effects of memory on spreading processes in non-Markovian temporal networks. <i>New Journal of Physics</i> , 2019, 21, 043028.	1.2	24
961	Temporal similarity metrics for latent network reconstruction: The role of time-lag decay. <i>Information Sciences</i> , 2019, 489, 182-192.	4.0	14
962	Multicellular Systems Biology: Quantifying Cellular Patterning and Function in Plant Organs Using Network Science. <i>Molecular Plant</i> , 2019, 12, 731-742.	3.9	10
963	Bridge ties bind collective memories. <i>Nature Communications</i> , 2019, 10, 1578.	5.8	25
965	The Climate System. , 2019, , 1-13.		0
966	Climate Variability. , 2019, , 14-26.		0
967	Climate Data Analysis. , 2019, , 27-47.		1
968	Climate Networks: Construction Methods and Analysis. , 2019, , 48-78.		0
969	Computational Tools for Network Analysis. , 2019, , 79-93.		0
970	Applications to Atmospheric Variability. , 2019, , 94-129.		0
971	Applications to Oceanic Variability. , 2019, , 130-160.		0
972	Climate Tipping Behavior. , 2019, , 161-197.		0
973	Network-Based Prediction. , 2019, , 198-215.		0
976	Lagrangian network analysis of turbulent mixing. <i>Journal of Fluid Mechanics</i> , 2019, 865, 546-562.	1.4	22
977	Email Based Institutional Network Analysis: Applications and Risks. <i>Social Sciences</i> , 2019, 8, 306.	0.7	5
978	Predictive temporal embedding of dynamic graphs. , 2019, , .		12
979	gl2vec. , 2019, , .		13

#	ARTICLE	IF	CITATIONS
980	Algorithms on Compressed Time-Evolving Graphs. , 2019, , .		2
981	CONTROLLING NETWORK DYNAMICS. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 22, 1950021.	0.9	8
982	The Time Element of Temporal Networks. , 2019, , .		0
983	Online Estimation of Multiple Dynamic Graphs in Pattern Sequences. , 2019, , .		1
984	Top-k Nearest Keyword Search in Public Transportation Networks. , 2019, , .		1
985	Social reinforcement inducing discontinuous spreading in complex networks. Europhysics Letters, 2019, 128, 68002.	0.7	3
986	Transmission Opportunities: A New Approach to Improve Quality in V2V Networks. Wireless Communications and Mobile Computing, 2019, 2019, 1-20.	0.8	2
987	Fitness preferential attachment as a driving mechanism in bitcoin transaction network. PLoS ONE, 2019, 14, e0219346.	1.1	12
989	ENERGY COST FOR TARGET CONTROL OF COMPLEX NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 22, 1950022.	0.9	10
990	Relating Modularity Maximization and Stochastic Block Models in Multilayer Networks. SIAM Journal on Mathematics of Data Science, 2019, 1, 667-698.	1.0	16
991	Where did Kutsuplus drive us? Ex post evaluation of on-demand micro-transit pilot in the Helsinki capital region. Research in Transportation Business and Management, 2019, 32, 100390.	1.6	31
992	Analysis and data-driven reconstruction of bivariate jump-diffusion processes. Physical Review E, 2019, 100, 062127.	0.8	9
993	Graph clustering in industrial networks. IMA Journal of Applied Mathematics, 2019, 84, 1177-1202.	0.8	2
994	Containing misinformation spreading in temporal social networks. Chaos, 2019, 29, 123131.	1.0	21
995	Taming out-of-equilibrium dynamics on interconnected networks. Nature Communications, 2019, 10, 5314.	5.8	5
996	Listing All Maximal $k$ -Plexes in Temporal Graphs. Journal of Experimental Algorithmics, 2019, 24, 1-27.	0.7	9
997	Cooperator-driven and defector-driven punishments: How do they influence cooperation?. Physical Review E, 2019, 100, 052304.	0.8	4
998	Analyzing the Bills-Voting Dynamics and Predicting Corruption-Convictions Among Brazilian Congressmen Through Temporal Networks. Scientific Reports, 2019, 9, 16754.	1.6	11

#	ARTICLE	IF	CITATIONS
999	Effect of self-excitement and behavioral factors on epidemics on activity driven networks. , 2019, , .		0
1000	Temporal Correlation Analysis of Programming Language Popularity. Journal of the Korean Physical Society, 2019, 75, 755-763.	0.3	2
1001	A spatiotemporal analysis of the food dissemination process and the trophallactic network in the ant <i>Lasius niger</i> . Scientific Reports, 2019, 9, 15620.	1.6	10
1002	Percolation Is Odd. Physical Review Letters, 2019, 123, 230605.	2.9	4
1003	Graph Regularized Non-negative Matrix Factorization for Temporal Link Prediction Based on Communicability. Journal of the Physical Society of Japan, 2019, 88, 074002.	0.7	2
1004	Toward epidemic thresholds on temporal networks: a review and open questions. Applied Network Science, 2019, 4, .	0.8	28
1005	Stability of spontaneous, correlated activity in mouse auditory cortex. PLoS Computational Biology, 2019, 15, e1007360.	1.5	21
1006	Community detection using multilayer edge mixture model. Knowledge and Information Systems, 2019, 60, 757-779.	2.1	16
1007	Navigating temporal networks. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 288-296.	1.2	6
1008	A voting approach to uncover multiple influential spreaders on weighted networks. Physica A: Statistical Mechanics and Its Applications, 2019, 519, 303-312.	1.2	30
1009	Fast-Time Stability of Temporal Boolean Networks. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2285-2294.	7.2	16
1010	Digital phenotyping for psychiatry: accommodating data and theory with network science methodologies. Current Opinion in Biomedical Engineering, 2019, 9, 8-13.	1.8	29
1011	A Semantic Knowledge Discovery Framework for Detecting Online Terrorist Networks. Lecture Notes in Computer Science, 2019, , 120-131.	1.0	1
1012	Metapopulation dynamics in the rock-paper-scissors game with mutation: Effects of time-varying migration paths. Journal of Theoretical Biology, 2019, 462, 425-431.	0.8	11
1013	Non-altering time scales for aggregation of dynamic networks into series of graphs. Computer Networks, 2019, 148, 108-119.	3.2	6
1014	Social physics: uncovering human behaviour from communication. Advances in Physics: X, 2019, 4, 1527723.	1.5	16
1015	Identifying localized influential spreaders of information spreading. Physica A: Statistical Mechanics and Its Applications, 2019, 519, 92-97.	1.2	5
1016	N-intertwined SIS epidemic model with Markovian switching. Stochastics and Dynamics, 2019, 19, 1950031.	0.6	7



#	ARTICLE	IF	CITATIONS
1017	Graph-Variate Signal Analysis. IEEE Transactions on Signal Processing, 2019, 67, 293-305.	3.2	8
1018	Emergence of synchronization in multiplex networks of mobile Rössler oscillators. Physical Review E, 2019, 99, 012308.	0.8	49
1019	Epidemic spreading of random walkers in metapopulation model on an alternating graph. Physica A: Statistical Mechanics and Its Applications, 2019, 520, 350-360.	1.2	10
1020	On the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e140" altimg="si5.gif" \rangle \langle \text{mml:mi} \rangle \hat{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -nonbacktracking centrality for complex networks: Existence and limit cases. Journal of Computational and Applied Mathematics, 2019, 350, 35-45.	1.1	2
1021	A novel evolutionary clustering via the first-order varying information for dynamic networks. Physica A: Statistical Mechanics and Its Applications, 2019, 520, 507-520.	1.2	2
1022	The structured backbone of temporal social ties. Nature Communications, 2019, 10, 220.	5.8	37
1023	Complex network approaches to nonlinear time series analysis. Physics Reports, 2019, 787, 1-97.	10.3	370
1024	Double-edged sword effect of edge overlap on asymmetrically interacting spreading dynamics. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 617-624.	1.2	5
1025	Disentangling the evolution of MEDLINE bibliographic database: A complex network perspective. Journal of Biomedical Informatics, 2019, 89, 101-113.	2.5	7
1026	A network approach to quantifying radiotherapy effect on cancer: Radiosensitive gene group centrality. Journal of Theoretical Biology, 2019, 462, 528-536.	0.8	1
1027	Hetero-functional Graph Theory. , 2019, , 37-93.		0
1028	A Hetero-functional Graph Theory for Modeling Interdependent Smart City Infrastructure. , 2019, , .		20
1029	Inter-event time interval analysis of organizational-level activity: Venture capital market case. Physica A: Statistical Mechanics and Its Applications, 2019, 516, 346-355.	1.2	6
1030	Degree-correlations in a bursting dynamic network model. Journal of Economic Interaction and Coordination, 2019, 14, 663-695.	0.4	3
1031	Analysis of causality-driven changes of diffusion speed in non-Markovian temporal networks generated on the basis of differential evolution dynamics. Swarm and Evolutionary Computation, 2019, 44, 212-227.	4.5	1
1032	Tracking community evolution in social networks: A survey. Information Processing and Management, 2019, 56, 1084-1102.	5.4	101
1033	Spectral Analysis of Epidemic Thresholds of Temporal Networks. IEEE Transactions on Cybernetics, 2020, 50, 1965-1977.	6.2	63
1034	System Network Complexity: Network Evolution Subgraphs of System State Series. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 130-139.	3.4	8

#	ARTICLE	IF	CITATIONS
1035	Epidemic Spreading in Temporal and Adaptive Networks with Static Backbone. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 549-561.	4.1	28
1036	Event-Based Dynamic Graph Visualisation. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2020, 26, 2373-2386.	2.9	16
1037	Dynamic social network analysis: A novel approach using agent-based model, author-topic model, and pretopology. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5321.	1.4	5
1038	Deception detection methods incorporating discourse network metrics in synchronous computer-mediated communication. <i>Journal of Information Science</i> , 2020, 46, 64-81.	2.0	3
1039	An Advanced Deep Generative Framework for Temporal Link Prediction in Dynamic Networks. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 4946-4957.	6.2	31
1040	Stochastic Block Models are a Discrete Surface Tension. <i>Journal of Nonlinear Science</i> , 2020, 30, 2429-2462.	1.0	3
1041	A Nodes' Evolution Diversity Inspired Method to Detect Anomalies in Dynamic Social Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, 32, 1868-1880.	4.0	11
1042	An Efficient Approach to Finding Dense Temporal Subgraphs. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, 32, 645-658.	4.0	8
1043	Distributed time-respecting flow graph pattern matching on temporal graphs. <i>World Wide Web</i> , 2020, 23, 609-630.	2.7	12
1044	The evolution of structural balance in time-varying signed networks. <i>Future Generation Computer Systems</i> , 2020, 102, 403-408.	4.9	8
1045	Percolation transition in temporal airport network. <i>Chinese Journal of Aeronautics</i> , 2020, 33, 219-226.	2.8	18
1046	Tensor-based mathematical framework and new centralities for temporal multilayer networks. <i>Information Sciences</i> , 2020, 512, 563-580.	4.0	13
1047	MaaS for the suburban market: Incorporating carpooling in the mix. <i>Transportation Research, Part A: Policy and Practice</i> , 2020, 131, 206-218.	2.0	26
1048	Detecting network backbones against time variations in node properties. <i>Nonlinear Dynamics</i> , 2020, 99, 855-878.	2.7	8
1049	Rock-paper-scissors dynamics from random walks on temporal multiplex networks. <i>Journal of Complex Networks</i> , 2020, 8, .	1.1	4
1050	Influencer identification in dynamical complex systems. <i>Journal of Complex Networks</i> , 2020, 8, cnz029.	1.1	27
1051	Temporal Link Prediction: A Survey. <i>New Generation Computing</i> , 2020, 38, 213-258.	2.5	64
1052	On the Periodicity of Random Walks in Dynamic Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 1337-1343.	4.1	3

#	ARTICLE	IF	CITATIONS
1053	On the Robustness of Complex Systems With Multipartitivity Structures Under Node Attacks. IEEE Transactions on Control of Network Systems, 2020, 7, 106-117.	2.4	9
1054	A dynamic network model with persistent links and node-specific latent variables, with an application to the interbank market. European Journal of Operational Research, 2020, 281, 50-65.	3.5	36
1055	Temporal Stable Community in Time-Varying Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 1508-1520.	4.1	12
1056	The complexity of finding small separators in temporal graphs. Journal of Computer and System Sciences, 2020, 107, 72-92.	0.9	40
1057	Raphtory: Streaming analysis of distributed temporal graphs. Future Generation Computer Systems, 2020, 102, 453-464.	4.9	21
1058	Influence maximization by rumor spreading on correlated networks through community identification. Communications in Nonlinear Science and Numerical Simulation, 2020, 83, 105094.	1.7	28
1059	Taking preventive measures against infections with a cost in static and dynamic single-group populations. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 123079.	1.2	1
1060	Focus on multilayer networks. New Journal of Physics, 2020, 22, 010201.	1.2	21
1061	Coordination and Control of Complex Network Systems With Switching Topologies: A Survey. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6342-6357.	5.9	59
1062	Studying complex brain dynamics using <i>Drosophila</i> . Journal of Neurogenetics, 2020, 34, 171-177.	0.6	4
1063	Impacts of multitype interactions on epidemic spreading in temporal networks. International Journal of Modern Physics C, 2020, 31, 2050020.	0.8	3
1064	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. Network Neuroscience, 2020, 4, 30-69.	1.4	364
1065	Effects of Rest-Break on Mental Fatigue Recovery Determined by a Novel Temporal Brain Network Analysis of Dynamic Functional Connectivity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 62-71.	2.7	17
1066	Finding Path Motifs in Large Temporal Graphs Using Algebraic Fingerprints. Big Data, 2020, 8, 335-362.	2.1	3
1067	Representing Temporal Network based on dDTF of EEG signals in Children with Autism and Healthy Children. Biomedical Signal Processing and Control, 2020, 62, 102139.	3.5	7
1068	Inferring temporal motifs for travel pattern analysis using large scale smart card data. Transportation Research Part C: Emerging Technologies, 2020, 120, 102810.	3.9	32
1069	Long-tailed distributions of inter-event times as mixtures of exponential distributions. Royal Society Open Science, 2020, 7, 191643.	1.1	11
1070	Temporal Networks-Based Approach for Nonstationary Hydroclimatic Modeling and its Demonstration With Streamflow Prediction. Water Resources Research, 2020, 56, e2020WR027086.	1.7	15

#	ARTICLE	IF	CITATIONS
1071	Information Spreading on Two-Layered Multiplex Networks With Limited Contact. IEEE Access, 2020, 8, 104316-104325.	2.6	10
1072	Rumor Diffusion and Control Based on Double-Layer Dynamic Evolution Model. IEEE Access, 2020, 8, 115273-115286.	2.6	10
1073	Diffusively-Coupled Prey-Predator Dynamics in Scale-Free and Self-Similar Networks. Journal of the Physical Society of Japan, 2020, 89, 064003.	0.7	4
1074	weg2vec: Event embedding for temporal networks. Scientific Reports, 2020, 10, 7164.	1.6	26
1076	Complex Networks: a Mini-review. Brazilian Journal of Physics, 2020, 50, 658-672.	0.7	67
1077	Network temporality can promote and suppress information spreading. Chaos, 2020, 30, 113136.	1.0	7
1078	Individual variations lead to universal and cross-species patterns of social behavior. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31754-31759.	3.3	5
1079	Generative models of simultaneously heavy-tailed distributions of interevent times on nodes and edges. Physical Review E, 2020, 102, 052303.	0.8	7
1080	Understanding the Stickiness of Commodity Supply Chains Is Key to Improving Their Sustainability. One Earth, 2020, 3, 100-115.	3.6	22
1081	An Interval-centric Model for Distributed Computing over Temporal Graphs. , 2020, , .		9
1083	Modular slowing of resting-state dynamic functional connectivity as a marker of cognitive dysfunction induced by sleep deprivation. NeuroImage, 2020, 222, 117155.	2.1	24
1084	Temporal Mobile Relay Selection for Information Dissemination in Distributed Wireless Networks. , 2020, , .		0
1085	Network Interpolation. SIAM Journal on Mathematics of Data Science, 2020, 2, 505-528.	1.0	2
1086	Risk-Dependent Centrality in Economic and Financial Networks. SIAM Journal on Financial Mathematics, 2020, 11, 526-565.	0.7	13
1087	Comparing temporal graphs using dynamic time warping. Social Network Analysis and Mining, 2020, 10, 1.	1.9	2
1088	Effects of core-periphery structure on explosive synchronization. International Journal of Modern Physics B, 2020, 34, 2050290.	1.0	1
1089	Computational Intelligence, Cyber Security and Computational Models. Models and Techniques for Intelligent Systems and Automation. Communications in Computer and Information Science, 2020, , .	0.4	1
1090	Building a trust-based doctor recommendation system on top of multilayer graph database. Journal of Biomedical Informatics, 2020, 110, 103549.	2.5	7

#	ARTICLE	IF	CITATIONS
1091	An improved algorithm for dynamic nearest-neighbour models. <i>Journal of Spatial Science</i> , 2020, , 1-28.	1.0	2
1092	Topological epidemic model: Theoretical insight into underlying networks. <i>Chaos</i> , 2020, 30, 101103.	1.0	2
1093	A Medium-Term Disruption Tolerant SDN for Wireless TCP/IP Networks. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 2318-2334.	3.2	5
1094	Structure Prediction in Uncertain Temporal Networks. , 2020, , .		0
1095	Influence maximization on temporal networks. <i>Physical Review E</i> , 2020, 102, 042307.	0.8	10
1096	Stock Market Temporal Complex Networks Construction, Robustness Analysis, and Systematic Risk Identification: A Case of CSI 300 Index. <i>Complexity</i> , 2020, 2020, 1-19.	0.9	6
1097	Finding Top-k Nodes for Temporal Closeness in Large Temporal Graphs. <i>Algorithms</i> , 2020, 13, 211.	1.2	12
1098	A Perspective on Correlation-Based Financial Networks and Entropy Measures. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	13
1099	Breastfeeding improves dynamic reorganization of functional connectivity in preterm infants: a temporal brain network study. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 2805-2819.	1.6	5
1100	Shannon entropy in time-varying semantic networks of titles of scientific paper. <i>Applied Network Science</i> , 2020, 5, .	0.8	3
1101	Relevance of temporal cores for epidemic spread in temporal networks. <i>Scientific Reports</i> , 2020, 10, 12529.	1.6	18
1102	Untangling the seasonal dynamics of plant-pollinator communities. <i>Nature Communications</i> , 2020, 11, 4086.	5.8	25
1103	Epidemic dynamics of influenza-like diseases spreading in complex networks. <i>Nonlinear Dynamics</i> , 2020, 101, 1801-1820.	2.7	35
1104	Dynamic Node Embeddings From Edge Streams. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020, , 1-16.	3.4	6
1105	Circadian rhythms in temporal-network connectivity. <i>Chaos</i> , 2020, 30, 093115.	1.0	8
1106	Effective Influence Spreading in Temporal Networks With Sequential Seeding. <i>IEEE Access</i> , 2020, 8, 151208-151218.	2.6	10
1107	Identifying critical nodes in temporal networks by network embedding. <i>Scientific Reports</i> , 2020, 10, 12494.	1.6	12
1108	Novel statistical approach for assessing the persistence of the circadian rhythms of social activity from telephone call detail records in older adults. <i>Scientific Reports</i> , 2020, 10, 21464.	1.6	4

#	ARTICLE	IF	CITATIONS
1109	Multilayer and Multiplex Networks: An Introduction to Their Use in Veterinary Epidemiology. <i>Frontiers in Veterinary Science</i> , 2020, 7, 596.	0.9	27
1110	A Re-Ranking Algorithm for Identifying Influential Nodes in Complex Networks. <i>IEEE Access</i> , 2020, 8, 211281-211290.	2.6	12
1111	The Human Organism as an Integrated Interaction Network: Recent Conceptual and Methodological Challenges. <i>Frontiers in Physiology</i> , 2020, 11, 598694.	1.3	17
1112	The Spread of Information in Virtual Communities. <i>Complexity</i> , 2020, 2020, 1-15.	0.9	1
1113	Modeling the Performance of Limiting Information Spreading Processes under Competing Linear Threshold Model. <i>Procedia Computer Science</i> , 2020, 176, 3751-3760.	1.2	3
1114	Developing Cost-Effective Rumor-Refuting Strategy Through Game-Theoretic Approach. <i>IEEE Systems Journal</i> , 2021, 15, 5034-5045.	2.9	18
1115	Efficient computation of optimal temporal walks under waiting-time constraints. <i>Applied Network Science</i> , 2020, 5, .	0.8	16
1116	Measuring the engagement level in encrypted group conversations by using temporal networks. , 2020, , .		1
1117	Constrained Spectral Clustering for Dynamic Community Detection. , 2020, , .		2
1118	Dynamic core-periphery structure of information sharing networks in entorhinal cortex and hippocampus. <i>Network Neuroscience</i> , 2020, 4, 946-975.	1.4	17
1119	Traffic Flow in Scale-Free Hierarchical Directed Networks. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 043002.	0.7	8
1120	Social network analysis for social neuroscientists. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 883-901.	1.5	28
1121	Efficient limited-time reachability estimation in temporal networks. <i>Physical Review E</i> , 2020, 101, 052303.	0.8	14
1122	Reconstructing irreducible links in temporal networks: which tool to choose depends on the network size. <i>Journal of Physics Complexity</i> , 2020, 1, 015001.	0.9	4
1123	A model for self-assembling circuits with voltage-controlled growth. <i>International Journal of Circuit Theory and Applications</i> , 2020, 48, 1017-1031.	1.3	5
1124	Fitting in and breaking up: A nonlinear version of coevolving voter models. <i>Physical Review E</i> , 2020, 101, 062303.	0.8	7
1125	Evolution of cooperation on temporal networks. <i>Nature Communications</i> , 2020, 11, 2259.	5.8	78
1126	Using Rhythm Network to Enhance Courses Engineering in E-Learning Environments. <i>Cybernetics and Systems</i> , 2020, 51, 504-520.	1.6	0

#	ARTICLE	IF	CITATIONS
1127	Influential nodes detection in dynamic social networks: A survey. Expert Systems With Applications, 2020, 159, 113642.	4.4	38
1128	Networks beyond pairwise interactions: Structure and dynamics. Physics Reports, 2020, 874, 1-92.	10.3	661
1129	Impact of inter-layer hopping on epidemic spreading in a multilayer network. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105403.	1.7	10
1130	Fear induced explosive transitions in the dynamics of corruption. Chaos, 2020, 30, 063107.	1.0	8
1131	Efficiently Answering Span-Reachability Queries in Large Temporal Graphs. , 2020, , .		9
1132	Lifetime distribution of information diffusion on simultaneously growing networks. Social Network Analysis and Mining, 2020, 10, 1.	1.9	0
1133	Evaluation of customer behavior with temporal centrality metrics for churn prediction of prepaid contracts. Expert Systems With Applications, 2020, 160, 113553.	4.4	18
1134	Measuring centrality in film narratives using dynamic character interaction networks. Social Networks, 2020, 63, 21-37.	1.3	4
1135	In Sync. Understanding Complex Systems, 2020, , .	0.3	23
1136	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach. International Journal of Computer Integrated Manufacturing, 2020, 33, 460-473.	2.9	28
1137	Application of Time-Varying Graph Theory over the Space Information Networks. IEEE Network, 2020, 34, 179-185.	4.9	30
1138	Time-Respecting Flow Graph Pattern Matching on Temporal Graphs. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3453-3467.	4.0	2
1139	Change Point Detection in Dynamic Networks Based on Community Identification. IEEE Transactions on Network Science and Engineering, 2020, 7, 2067-2077.	4.1	6
1140	A multilayer temporal network model for STD spreading accounting for permanent and casual partners. Scientific Reports, 2020, 10, 3846.	1.6	10
1141	Predictability of real temporal networks. National Science Review, 2020, 7, 929-937.	4.6	31
1142	Classifying El Niño-Southern Oscillation Combining Network Science and Machine Learning. IEEE Access, 2020, 8, 55711-55723.	2.6	10
1143	Forecasting COVID-19. Frontiers in Physics, 2020, 8, .	1.0	190
1144	Uncovering the social interaction network in swarm intelligence algorithms. Applied Network Science, 2020, 5, .	0.8	10

#	ARTICLE	IF	CITATIONS
1145	ANGEL: efficient, and effective, node-centric community discovery in static and dynamic networks. Applied Network Science, 2020, 5, .	0.8	6
1146	Investigating the co-evolution of node reputation and edge-strategy in prisoner's dilemma game. Applied Mathematics and Computation, 2020, 386, 125474.	1.4	47
1147	Effect of local rewiring in adaptive epidemic networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126308.	0.9	3
1148	Synthesis of a Time-Varying Communication Network by Robot Teams With Information Propagation Guarantees. IEEE Robotics and Automation Letters, 2020, 5, 1413-1420.	3.3	12
1149	Resource and Network Management Framework for a Large-Scale Satellite Communications System. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 492-501.	0.2	5
1150	Interacting contagions. Nature Physics, 2020, 16, 377-378.	6.5	0
1151	Physically-interpretable classification of biological network dynamics for complex collective motions. Scientific Reports, 2020, 10, 3005.	1.6	9
1152	Invariance and stability conditions of interlayer synchronization manifold. Physical Review E, 2020, 101, 012308.	0.8	12
1153	Metrics for graph comparison: A practitioner's guide. PLoS ONE, 2020, 15, e0228728.	1.1	80
1154	Time-varying nodal measures with temporal community structure: A cautionary note to avoid misinterpretation. Human Brain Mapping, 2020, 41, 2347-2356.	1.9	9
1155	Temporal Network Pattern Identification by Community Modelling. Scientific Reports, 2020, 10, 240.	1.6	6
1156	Individual Specialization and Multihost Epidemics: Disease Spread in Plant-Pollinator Networks. American Naturalist, 2020, 195, E118-E131.	1.0	9
1157	Analysis and control of epidemics in temporal networks with self-excitement and behavioral changes. European Journal of Control, 2020, 54, 1-11.	1.6	9
1158	Stability-driven non-negative matrix factorization-based approach for extracting dynamic network from resting-state EEG. Neurocomputing, 2020, 389, 123-131.	3.5	9
1159	Traffic flow on percolation-backbone fractal. Chaos, Solitons and Fractals, 2020, 135, 109771.	2.5	17
1160	Co-regularized nonnegative matrix factorization for evolving community detection in dynamic networks. Information Sciences, 2020, 528, 265-279.	4.0	16
1161	Analysing the evolution of aerospace ecosystem development. PLoS ONE, 2020, 15, e0231985.	1.1	4
1162	An Analysis of the Dynamic Community Detection Algorithms in Complex Networks. , 2020, , .		6



#	ARTICLE	IF	CITATIONS
1163	Investigating time-varying functional connectivity derived from the Jackknife Correlation method for distinguishing between emotions in fMRI data. <i>Cognitive Neurodynamics</i> , 2020, 14, 457-471.	2.3	9
1164	Test for triadic closure and triadic protection in temporal relational event data. <i>Social Network Analysis and Mining</i> , 2020, 10, 1.	1.9	2
1165	History-dependent percolation on multiplex networks. <i>National Science Review</i> , 2020, 7, 1296-1305.	4.6	13
1166	Time-Ordered Bipartite Graph for Spatio-Temporal Social Network Analysis. , 2020, , .		1
1167	Student Participation in Online Content-Related Discussion and Its Relation to Students' Background Knowledge. <i>Education Sciences</i> , 2020, 10, 106.	1.4	5
1168	Growing networks with communities: A distributive link model. <i>Chaos</i> , 2020, 30, 041101.	1.0	27
1169	Intralayer Synchronization in Evolving Multiplex Hypernetworks: Analytical Approach. <i>SIAM Journal on Applied Dynamical Systems</i> , 2020, 19, 918-963.	0.7	34
1170	A Tutorial on Clique Problems in Communications and Signal Processing. <i>Proceedings of the IEEE</i> , 2020, 108, 583-608.	16.4	8
1171	Combining Surveys and Sensors to Explore Student Behaviour. <i>Education Sciences</i> , 2020, 10, 68.	1.4	1
1172	Network-of-Networks Framework for Multimodal Hazmat Transportation Risk Mitigation: Application to Used Nuclear Fuel in Canada. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, .	1.2	12
1173	Multi-Agent Systems and Complex Networks: Review and Applications in Systems Engineering Processes, 2020, 8, 312.	1.3	68
1174	Succinct Representation of Dynamic Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021, 33, 2983-2994.	4.0	5
1175	Capability Oriented Equipment Contribution Analysis in Temporal Combat Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 696-704.	5.9	23
1176	Traffic flow on star graph: Nonlinear diffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 561, 125251.	1.2	14
1177	Adaptive topological coevolution of interdependent networks: Scientific collaboration-citation networks as an example. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 564, 125518.	1.2	5
1178	Effective Link Prediction with Topological and Temporal Information using Wavelet Neural Network Embedding. <i>Computer Journal</i> , 2021, 64, 325-336.	1.5	3
1179	The network-untangling problem: from interactions to activity timelines. <i>Data Mining and Knowledge Discovery</i> , 2021, 35, 213-247.	2.4	5
1180	A survey of typical attributed graph queries. <i>World Wide Web</i> , 2021, 24, 297-346.	2.7	15

#	ARTICLE	IF	CITATIONS
1181	HITS centrality based on inter-layer similarity for multilayer temporal networks. <i>Neurocomputing</i> , 2021, 423, 220-235.	3.5	4
1182	Neural Mechanisms. <i>Studies in Brain and Mind</i> , 2021, , .	0.5	35
1183	Stimulus transformation into motor action: Dynamic graph analysis reveals a posterior-to-anterior shift in brain network communication of older subjects. <i>Human Brain Mapping</i> , 2021, 42, 1547-1563.	1.9	11
1184	Self-organized human behavioral patterns in book loans from a library. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 563, 125473.	1.2	6
1185	Assigning times to minimise reachability in temporal graphs. <i>Journal of Computer and System Sciences</i> , 2021, 115, 169-186.	0.9	9
1186	A review on turbulent and vortical flow analyses via complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 563, 125476.	1.2	37
1187	Patterns of frequent user interactions in blogosphere. <i>Logic Journal of the IGPL</i> , 2021, 29, 138-150.	1.3	0
1188	Multilayer information spillover networks: measuring interconnectedness of financial institutions. <i>Quantitative Finance</i> , 2021, 21, 1163-1185.	0.9	42
1189	Memory effects on link formation in temporal networks: A fractional calculus approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 564, 125502.	1.2	4
1190	Quantifying the dynamics of pig movements improves targeted disease surveillance and control plans. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 1663-1675.	1.3	16
1191	Identification of important nodes based on dynamic evolution of inter-layer isomorphism rate in temporal networks. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021, , .	0.2	3
1192	On the basic reproduction number in semi-Markov switching networks. <i>Journal of Biological Dynamics</i> , 2021, 15, 73-85.	0.8	1
1193	The Why, How, and When of Representations for Complex Systems. <i>SIAM Review</i> , 2021, 63, 435-485.	4.2	111
1194	Finding Subgraphs with Side Constraints. <i>Lecture Notes in Computer Science</i> , 2021, , 348-364.	1.0	0
1195	Temporal Network Motifs: Models, Limitations, Evaluation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021, , 1-1.	4.0	5
1196	Social Networks through the Prism of Cognition. <i>Complexity</i> , 2021, 2021, 1-13.	0.9	4
1197	Foundations and Modeling of Dynamic Networks Using Dynamic Graph Neural Networks: A Survey. <i>IEEE Access</i> , 2021, 9, 79143-79168.	2.6	107
1198	Information Spreading on Activity-Driven Temporal Networks with Two-Step Memory. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-7.	0.5	2

#	ARTICLE	IF	CITATIONS
1199	Socio-semantic Network Analysis of Knowledge-Creation Discourse on a Real-Time Scale. Communications in Computer and Information Science, 2021, , 170-184.	0.4	4
1200	Frequent Subgraph Mining Algorithms in Static and Temporal Graph-Transaction Settings: A Survey. IEEE Transactions on Big Data, 2021, , 1-1.	4.4	4
1201	Joint Learning of Feature Extraction and Clustering for Large-Scale Temporal Networks. IEEE Transactions on Cybernetics, 2023, 53, 1653-1666.	6.2	7
1202	Emergent rhythms in coupled nonlinear oscillators due to dynamic interactions. Chaos, 2021, 31, 011105.	1.0	19
1203	Network-based brain-computer interfaces: principles and applications. Journal of Neural Engineering, 2021, 18, 011001.	1.8	27
1204	UAS Batch Path Planning With a Space-Time Graph. IEEE Open Journal of Intelligent Transportation Systems, 2021, 2, 60-72.	2.6	5
1205	Community Detection in Dynamic Networks: Equivalence Between Stochastic Blockmodels and Evolutionary Spectral Clustering. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 130-143.	1.6	6
1206	Use of Network Analysis and Spread Models to Target Control Actions for Bovine Tuberculosis in a State from Brazil. Microorganisms, 2021, 9, 227.	1.6	3
1207	Static and dynamic functional connectivity supports the configuration of brain networks associated with creative cognition. Scientific Reports, 2021, 11, 165.	1.6	14
1208	Emergence of Polarized Ideological Opinions in Multidimensional Topic Spaces. Physical Review X, 2021, 11, .	2.8	24
1209	Transmission Mechanism and Influencing Factors of Green Behavior in Dynamic Multiplex Networks. IEEE Access, 2021, 9, 104382-104394.	2.6	3
1210	Network geometry. Nature Reviews Physics, 2021, 3, 114-135.	11.9	93
1213	Fundamentals of Adaptive and Complex Dynamical Networks. Springer Theses, 2021, , 23-41.	0.0	0
1214	Two centuries of Greek governments from a social network analysis perspective. Cogent Social Sciences, 2021, 7, .	0.5	3
1215	Towards an Efficient Approach to Manage Graph Data Evolution: Conceptual Modelling and Experimental Assessments. Lecture Notes in Business Information Processing, 2021, , 471-488.	0.8	1
1216	Edge Exploration of Temporal Graphs. Lecture Notes in Computer Science, 2021, , 107-121.	1.0	5
1217	Dynamics of cascades on burstiness-controlled temporal networks. Nature Communications, 2021, 12, 133.	5.8	20
1218	Evolving Nature of Human Contact Networks with Its Impact on Epidemic Processes. Complexity, 2021, 2021, 1-13.	0.9	0

#	ARTICLE	IF	CITATIONS
1219	Spreader events and the limitations of projected networks for capturing dynamics on multipartite networks. <i>Physical Review E</i> , 2021, 103, 022320.	0.8	1
1220	Information Contagion and Stock Price Crash Risk. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	0.6	1
1221	Dynamic interaction induced explosive death. <i>Europhysics Letters</i> , 2021, 133, 40003.	0.7	23
1222	An Early Stage Researcher's Primer on Systems Medicine Terminology. <i>Network and Systems Medicine</i> , 2021, 4, 2-50.	2.7	9
1223	Fast and principled simulations of the SIR model on temporal networks. <i>PLoS ONE</i> , 2021, 16, e0246961.	1.1	17
1224	Modelling and predicting the effect of social distancing and travel restrictions on COVID-19 spreading. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200875.	1.5	61
1225	The switching mechanisms of social network densification. <i>Scientific Reports</i> , 2021, 11, 3160.	1.6	4
1226	Models of continuous-time networks with tie decay, diffusion, and convection. <i>Physical Review E</i> , 2021, 103, 022304.	0.8	2
1227	Emergence and evolution of social networks through exploration of the Adjacent Possible space. <i>Communications Physics</i> , 2021, 4, .	2.0	11
1228	The structure of co-publications multilayer network. <i>Computational Social Networks</i> , 2021, 8, .	2.1	0
1229	Temporal properties of higher-order interactions in social networks. <i>Scientific Reports</i> , 2021, 11, 7028.	1.6	65
1230	A theory of pattern formation for reaction-diffusion systems on temporal networks. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, .	1.0	13
1231	Modelling community structure and temporal spreading on complex networks. <i>Computational Social Networks</i> , 2021, 8, .	2.1	7
1232	Tailored Network Splitting for Community Evolution Prediction in Dynamic Social Networks. <i>New Generation Computing</i> , 2021, 39, 303-340.	2.5	3
1233	Finding proper time intervals for dynamic network extraction. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 033414.	0.9	6
1234	Betweenness centrality for temporal multiplexes. <i>Scientific Reports</i> , 2021, 11, 4919.	1.6	11
1235	Time series analysis via network science: Concepts and algorithms. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2021, 11, e1404.	4.6	18
1237	Recurrence in the evolution of air transport networks. <i>Scientific Reports</i> , 2021, 11, 5514.	1.6	14

#	ARTICLE	IF	CITATIONS
1238	Spatiotemporal Large-Scale Networks Shaped by Air Mass Movements. <i>Frontiers in Applied Mathematics and Statistics</i> , 2021, 6, .	0.7	5
1239	Incremental communication patterns in online social groups. <i>Knowledge and Information Systems</i> , 2021, 63, 1339-1364.	2.1	7
1240	The inherent uncertainty of temporal networks is a true challenge for control. <i>Scientific Reports</i> , 2021, 11, 6977.	1.6	4
1241	Temporal network embedding using graph attention network. <i>Complex &amp; Intelligent Systems</i> , 0, , 1.	4.0	8
1243	Predicting Influential Users in Online Social Network Groups. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021, 15, 1-50.	2.5	13
1244	Semi-supervised link prediction based on non-negative matrix factorization for temporal networks. <i>Chaos, Solitons and Fractals</i> , 2021, 145, 110769.	2.5	4
1245	Tie-Decay Networks in Continuous Time and Eigenvector-Based Centralities. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 1759-1771.	4.1	8
1246	Antiresonance in switched systems with only unstable modes. <i>Physical Review Research</i> , 2021, 3, .	1.3	5
1247	Peer Learning Through Targeted Dynamic Groups Formation. , 2021, , .		1
1248	Modeling partial lockdowns in multiplex networks using partition strategies. <i>Applied Network Science</i> , 2021, 6, 27.	0.8	8
1249	A Survey on Subgraph Counting. <i>ACM Computing Surveys</i> , 2022, 54, 1-36.	16.1	43
1250	Some new results on relative entropy production, time reversal, and optimal control of time-inhomogeneous diffusion processes. <i>Journal of Mathematical Physics</i> , 2021, 62, 043302.	0.5	0
1251	Impact of environmental changes on the dynamics of temporal networks. <i>PLoS ONE</i> , 2021, 16, e0250612.	1.1	1
1252	Delta-Screening: A Fast and Efficient Technique to Update Communities in Dynamic Graphs. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 1614-1629.	4.1	2
1253	Reorganization of nurse scheduling reduces the risk of healthcare associated infections. <i>Scientific Reports</i> , 2021, 11, 7393.	1.6	6
1254	Spatio-temporal network analysis of pig trade to inform the design of risk-based disease surveillance. <i>Preventive Veterinary Medicine</i> , 2021, 189, 105314.	0.7	9
1255	Understanding mobility in Rome by means of a multiplex network with data. <i>Journal of Computational Science</i> , 2021, 51, 101305.	1.5	6
1256	Explicit and implicit network connectivity: Analytical formulation and application to transport processes. <i>Physical Review E</i> , 2021, 103, 042309.	0.8	10

#	ARTICLE	IF	CITATIONS
1257	Temporal Ordered Clustering in Dynamic Networks: Unsupervised and Semi-Supervised Learning Algorithms. IEEE Transactions on Network Science and Engineering, 2021, 8, 1426-1442.	4.1	1
1258	A streaming edge sampling method for network visualization. Knowledge and Information Systems, 2021, 63, 1717-1743.	2.1	5
1259	A Spatialâ€“Temporal Network Perspective for the Propagation Dynamics of Air Traffic Delays. Engineering, 2021, 7, 452-464.	3.2	21
1260	Recovering dynamic networks in big static datasets. Physics Reports, 2021, 912, 1-57.	10.3	29
1261	Modelling Singapore COVID-19 pandemic with a SEIR multiplex network model. Scientific Reports, 2021, 11, 10122.	1.6	26
1262	Identification of dynamic community in temporal network via joint learning graph representation and nonnegative matrix factorization. Neurocomputing, 2021, 435, 77-90.	3.5	10
1263	Graphical indices of some chemical structure graphs. Journal of Physics: Conference Series, 2021, 1913, 012121.	0.3	0
1264	Principles and open questions in functional brain network reconstruction. Human Brain Mapping, 2021, 42, 3680-3711.	1.9	33
1265	Building surrogate temporal network data from observed backbones. Physical Review E, 2021, 103, 052304.	0.8	9
1266	Persistence of hubs in growing random networks. Probability Theory and Related Fields, 2021, 180, 891-953.	0.9	9
1267	Predicting partially observed processes on temporal networks by Dynamics-Aware Node Embeddings (DyANE). EPJ Data Science, 2021, 10, .	1.5	4
1268	Trajectories through temporal networks. Applied Network Science, 2021, 6, .	0.8	7
1269	Evaluating structural edge importance in temporal networks. EPJ Data Science, 2021, 10, .	1.5	3
1270	Distributed temporal graph analytics with GRADOOP. VLDB Journal, 2022, 31, 375-401.	2.7	13
1271	Interaction event network modeling based on temporal point process. IISE Transactions, 0, , 1-13.	1.6	1
1272	Evaluating metrics in link streams. Social Network Analysis and Mining, 2021, 11, 51.	1.9	2
1273	Detecting dynamic community by fusing network embedding and nonnegative matrix factorization. Knowledge-Based Systems, 2021, 221, 106961.	4.0	10
1274	A Model for Evolutionary Structural Plasticity and Synchronization of a Network of Neurons. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-12.	0.7	1

#	ARTICLE	IF	CITATIONS
1275	Mobility Trace Analysis for Intelligent Vehicular Networks. <i>ACM Computing Surveys</i> , 2022, 54, 1-38.	16.1	16
1276	Online Sampling of Temporal Networks. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021, 15, 1-27.	2.5	3
1277	Designing temporal networks that synchronize under resource constraints. <i>Nature Communications</i> , 2021, 12, 3273.	5.8	12
1278	Opinion dynamics on tie-decay networks. <i>Physical Review Research</i> , 2021, 3, .	1.3	3
1279	Community detection in complex networks: From statistical foundations to data science applications. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2022, 14, e1566.	2.1	12
1280	A comparative analysis for visualizing the temporal evolution of contact networks: a user study. <i>Journal of Visualization</i> , 2021, 24, 1011-1031.	1.1	7
1281	An online and nonuniform timeslicing method for network visualisation. <i>Computers and Graphics</i> , 2021, 97, 170-182.	1.4	4
1282	Mitigation strategies against cascading failures within a project activity network. <i>Journal of Computational Social Science</i> , 0, , 1.	1.4	0
1283	Evolutionary dynamics of MEC's organization in a 6G scenario through EGT and temporal multiplex social network. <i>ICT Express</i> , 2021, 7, 138-142.	3.3	5
1284	Evolution of social relationships between first-year students at middle school: from cliques to circles. <i>Scientific Reports</i> , 2021, 11, 11694.	1.6	6
1285	Concurrency measures in the era of temporal network epidemiology: a review. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210019.	1.5	13
1286	Identifying multiple influential spreaders based on maximum connected component decomposition method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 571, 125791.	1.2	9
1287	The New Field of Network Physiology: Building the Human Physiome. <i>Frontiers in Network Physiology</i> , 2021, 1, .	0.8	61
1288	Speed-accelerating method for the control of mobile chaotic agents. <i>European Physical Journal: Special Topics</i> , 2021, 230, 2043-2049.	1.2	2
1289	Temporal gravity model for important node identification in temporal networks. <i>Chaos, Solitons and Fractals</i> , 2021, 147, 110934.	2.5	13
1290	Simplicial contagion in temporal higher-order networks. <i>Journal of Physics Complexity</i> , 2021, 2, 035019.	0.9	41
1291	Efficient continual cohesive subgraph search in large temporal graphs. <i>World Wide Web</i> , 2021, 24, 1483-1509.	2.7	9
1292	Team Cognition at a Crossroad: Toward Conceptual Integration and Network Configurations. <i>Academy of Management Annals</i> , 2021, 15, 455-501.	5.8	20

#	ARTICLE	IF	CITATIONS
1293	Response of gene regulatory networks after infection of H3N2 virus. <i>Journal of Bioinformatics and Computational Biology</i> , 2021, 19, 2150017.	0.3	0
1294	On the reliable and efficient numerical integration of the Kuramoto model and related dynamical systems on graphs. <i>International Journal of Computer Mathematics</i> , 2022, 99, 31-57.	1.0	2
1295	TemporalRI: subgraph isomorphism in temporal networks with multiple contacts. <i>Applied Network Science</i> , 2021, 6, .	0.8	2
1296	Similarity Based Compression Ratio for Dynamic Network Modelling. , 2021, , .		0
1297	Self-initiated behavioral change and disease resurgence on activity-driven networks. <i>Physical Review E</i> , 2021, 104, 014307.	0.8	13
1298	Time Evolution of Underwater Acoustic Temporal Networks. , 2021, , .		0
1299	Memory order decomposition of symbolic sequences. <i>Physical Review E</i> , 2021, 104, 014112.	0.8	1
1300	Method for Analyzing the Problem of Determining the Dynamics of Changes in the Structures of Temporal Directed Tree. <i>Journal of Physics: Conference Series</i> , 2021, 1963, 012128.	0.3	0
1301	Higher-order temporal network effects through triplet evolution. <i>Scientific Reports</i> , 2021, 11, 15419.	1.6	1
1302	Identifying important nodes based on upstream and downstream time-respecting paths in temporal networks. <i>Modern Physics Letters B</i> , 2021, 35, 2150403.	1.0	1
1303	Information Spreading on Memory Activity-Driven Temporal Networks. <i>Complexity</i> , 2021, 2021, 1-8.	0.9	2
1304	Neuronal synchronization in long-range time-varying networks. <i>Chaos</i> , 2021, 31, 073129.	1.0	18
1305	Identifying critical metro stations in multiplex network based on Dê“S evidence theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 574, 126018.	1.2	17
1306	Individual-driven versus interaction-driven burstiness in human dynamics: The case of Wikipedia edit history. <i>Physical Review E</i> , 2021, 104, 014312.	0.8	1
1307	Introducing the novel Cytoscape app TimeNexus to analyze time-series data using temporal MultiLayer Networks (tMLNs). <i>Scientific Reports</i> , 2021, 11, 13691.	1.6	6
1308	The Bethe Hessian and Information Theoretic Approaches for Online Change-Point Detection in Network Data. <i>Sankhya A</i> , 0, , 1.	0.4	0
1309	FILDNE: A Framework for Incremental Learning of Dynamic Networks Embeddings. <i>Knowledge-Based Systems</i> , 2022, 236, 107453.	4.0	9
1310	A signal processing perspective to community detection in dynamic networks. , 2021, 119, 103192.		2



#	ARTICLE	IF	CITATIONS
1311	Why temporal networks are more controllable: Link weight variation offers superiority. <i>Physical Review Research</i> , 2021, 3, .	1.3	4
1312	Lagrangian betweenness as a measure of bottlenecks in dynamical systems with oceanographic examples. <i>Nature Communications</i> , 2021, 12, 4935.	5.8	16
1313	Block matrix models for dynamic networks. <i>Applied Mathematics and Computation</i> , 2021, 402, 126121.	1.4	3
1314	Centrality Measures: A Tool to Identify Key Actors in Social Networks. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 1-27.	0.5	5
1316	The inherent community structure of hyperbolic networks. <i>Scientific Reports</i> , 2021, 11, 16050.	1.6	9
1317	Game-theoretic modeling of collective decision making during epidemics. <i>Physical Review E</i> , 2021, 104, 024314.	0.8	24
1318	Graphon-valued stochastic processes from population genetics. <i>Annals of Applied Probability</i> , 2021, 31, .	0.6	3
1319	Unified treatment of synchronization patterns in generalized networks with higher-order, multilayer, and temporal interactions. <i>Communications Physics</i> , 2021, 4, .	2.0	33
1320	Aggregating Time Windows for Dynamic Network Extraction. , 2021, , .		1
1321	Community evolution in retweet networks. <i>PLoS ONE</i> , 2021, 16, e0256175.	1.1	9
1322	From temporal network data to the dynamics of social relationships. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211164.	1.2	13
1323	Manufacturing for the Masses: A Novel Concept for Consumer 3D Printer Networks in the Context of Crisis Relief. <i>Advanced Intelligent Systems</i> , 0, , 2100121.	3.3	1
1324	Connectivity-based time centrality in time-varying graphs. <i>Journal of Complex Networks</i> , 2021, 9, .	1.1	0
1325	A new approach to combine multiplex networks and time series attributes: Building intrusion detection systems (IDS) in cybersecurity. <i>Chaos, Solitons and Fractals</i> , 2021, 150, 111143.	2.5	15
1326	Evaluating latent content within unstructured text: an analytical methodology based on a temporal network of associated topics. <i>Journal of Big Data</i> , 2021, 8, .	6.9	2
1327	The small-world network of global protests. <i>Scientific Reports</i> , 2021, 11, 19215.	1.6	5
1328	Deep Learning Exploration of Agent-Based Social Network Model Parameters. <i>Frontiers in Big Data</i> , 2021, 4, 739081.	1.8	4
1329	COVID-19 and Networks. <i>New Generation Computing</i> , 2021, , 1-13.	2.5	1

#	ARTICLE	IF	CITATIONS
1331	Dose-response functions and surrogate models for exploring social contagion in the Copenhagen Networks Study. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1-24.	1.2	2
1332	Epidemic spreading with awareness on multi-layer activity-driven networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 579, 126119.	1.2	7
1333	Temporally evolving graph neural network for fake news detection. <i>Information Processing and Management</i> , 2021, 58, 102712.	5.4	78
1334	Metapopulation dynamics on double graphs for mediated infectious disease in patchy environment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 581, 126213.	1.2	2
1335	Eigenvector-based centralities for multilayer temporal networks under the framework of tensor computation. <i>Expert Systems With Applications</i> , 2021, 184, 115471.	4.4	11
1336	A centrality measure in dense networks based on two-way random walk betweenness. <i>Applied Mathematics and Computation</i> , 2022, 412, 126560.	1.4	9
1337	Context-aware Distance Measures for Dynamic Networks. <i>ACM Transactions on the Web</i> , 2022, 16, 1-34.	2.0	0
1338	Algorithmic bias amplification via temporal effects: The case of PageRank in evolving networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 104, 106029.	1.7	3
1339	Altered temporal reachability highlights the role of sensory perception systems in major depressive disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 112, 110426.	2.5	6
1340	Growth signals determine the topology of evolving networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 013405.	0.9	1
1341	Measuring the impact of COVID-19 on China's population migration with mobile phone data. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021, 70, 068903.	0.2	6
1342	Synchronisation and Non-autonomy. <i>Understanding Complex Systems</i> , 2021, , 85-110.	0.3	3
1343	Measuring hub locations in time-evolving spatial interaction networks based on explicit spatiotemporal coupling and group centrality. <i>International Journal of Geographical Information Science</i> , 2022, 36, 360-381.	2.2	7
1344	A Markovian random walk model of epidemic spreading. <i>Continuum Mechanics and Thermodynamics</i> , 2021, 33, 1207-1221.	1.4	19
1345	PDC-MI Method for EEG Functional Connectivity Analysis. <i>Communications in Computer and Information Science</i> , 2021, , 304-328.	0.4	0
1347	Tunable Eigenvector-Based Centralities for Multiplex and Temporal Networks. <i>Multiscale Modeling and Simulation</i> , 2021, 19, 113-147.	0.6	22
1349	TemporalRI: A Subgraph Isomorphism Algorithm for Temporal Networks. <i>Studies in Computational Intelligence</i> , 2021, , 675-687.	0.7	4
1350	Inferring Cell Cycle Phases From a Partially Temporal Network of Protein Interactions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
1351	Epidemic thresholds of infectious diseases on tie-decay networks. Journal of Complex Networks, 2021, 10, .	1.1	0
1352	A temporal Event graph approach and Robustness analysis for Air transport network. IEEE Transactions on Network Science and Engineering, 2021, , 1-1.	4.1	5
1354	Arts and Humanities, Complex Network Analysis of. , 2014, , 56-60.		2
1355	Analysis and Visualization of Dynamic Networks. , 2014, , 37-48.		6
1356	Temporal Networks. , 2014, , 2119-2129.		5
1357	A Dynamical Network View of Lyon's Shared Bicycle System. Modeling and Simulation in Science, Engineering and Technology, 2013, , 267-284.	0.4	11
1358	Epidemics on a Stochastic Model of Temporal Network. Modeling and Simulation in Science, Engineering and Technology, 2013, , 301-314.	0.4	5
1359	A Map of Approaches to Temporal Networks. Computational Social Sciences, 2019, , 1-24.	0.4	10
1360	Challenges in Community Discovery on Temporal Networks. Computational Social Sciences, 2019, , 181-197.	0.4	9
1361	Supracentrality Analysis of Temporal Networks with Directed Interlayer Coupling. Computational Social Sciences, 2019, , 325-344.	0.4	5
1362	Visualisation of Structure and Processes on Temporal Networks. Computational Social Sciences, 2019, , 83-105.	0.4	6
1364	Bursty Time Series Analysis for Temporal Networks. Computational Social Sciences, 2019, , 161-179.	0.4	7
1365	Rejection-Based Simulation of Stochastic Spreading Processes on Complex Networks. Lecture Notes in Computer Science, 2019, , 63-79.	1.0	5
1366	Accelerating Minimum Temporal Paths Query Based on Dynamic Programming. Lecture Notes in Computer Science, 2019, , 48-62.	1.0	2
1367	Comparing Temporal Graphs Using Dynamic Time Warping. Studies in Computational Intelligence, 2020, , 469-480.	0.7	2
1368	Efficient Computation of Optimal Temporal Walks Under Waiting-Time Constraints. Studies in Computational Intelligence, 2020, , 494-506.	0.7	6
1369	Roles in Social Interactions: Graphlets in Temporal Networks Applied to Learning Analytics. Studies in Computational Intelligence, 2020, , 507-518.	0.7	2
1370	Enumerating Isolated Cliques in Temporal Networks. Studies in Computational Intelligence, 2020, , 519-531.	0.7	6

#	ARTICLE	IF	CITATIONS
1371	Nonlinearity + Networks: A 2020 Vision. <i>Advances in Dynamics, Patterns, Cognition</i> , 2020, , 131-159.	0.2	21
1372	Identifying Diachronic Topic-Based Research Communities by Clustering Shared Research Trajectories. <i>Lecture Notes in Computer Science</i> , 2014, , 114-129.	1.0	16
1373	The Social Dimension of Information Ranking: A Discussion of Research Challenges and Approaches. <i>Springer Proceedings in Complexity</i> , 2014, , 45-61.	0.2	2
1374	Face-to-Face Interactions. , 2015, , 37-57.		11
1375	Selecting Seed Nodes for Influence Maximization in Dynamic Networks. <i>Studies in Computational Intelligence</i> , 2015, , 91-98.	0.7	10
1376	Maintaining Sliding-Window Neighborhood Profiles in Interaction Networks. <i>Lecture Notes in Computer Science</i> , 2015, , 719-735.	1.0	8
1377	Inference of Hidden Structures in Complex Physical Systems by Multi-scale Clustering. <i>Springer Series in Materials Science</i> , 2016, , 115-138.	0.4	6
1378	An Introduction to Temporal Graphs: An Algorithmic Perspective. <i>Lecture Notes in Computer Science</i> , 2015, , 308-343.	1.0	23
1379	Preserving Sparsity in Dynamic Network Computations. <i>Studies in Computational Intelligence</i> , 2017, , 147-157.	0.7	1
1380	Linked by Dynamics: Wavelet-Based Mutual Information Rate as a Connectivity Measure and Scale-Specific Networks. , 2018, , 427-463.		13
1381	Impact of Temporal Features of Cattle Exchanges on the Size and Speed of Epidemic Outbreaks. <i>Lecture Notes in Computer Science</i> , 2017, , 84-97.	1.0	1
1382	The Network-Untangling Problem: From Interactions to Activity Timelines. <i>Lecture Notes in Computer Science</i> , 2017, , 701-716.	1.0	3
1383	Multi-scale Community Detection in Temporal Networks Using Spectral Graph Wavelets. <i>Lecture Notes in Computer Science</i> , 2017, , 139-154.	1.0	4
1384	Detecting Community Structure in Dynamic Social Networks Using the Concept of Leadership. <i>Studies in Systems, Decision and Control</i> , 2018, , 97-118.	0.8	12
1385	Network Centrality: An Introduction. <i>Advances in Dynamics, Patterns, Cognition</i> , 2019, , 177-196.	0.2	85
1386	Temporal Networks as a Modeling Framework. <i>Understanding Complex Systems</i> , 2013, , 1-14.	0.3	18
1387	Self-Exciting Point Process Modeling of Conversation Event Sequences. <i>Understanding Complex Systems</i> , 2013, , 245-264.	0.3	25
1388	Inferring and Calibrating Triadic Closure in a Dynamic Network. <i>Understanding Complex Systems</i> , 2013, , 265-282.	0.3	4

#	ARTICLE	IF	CITATIONS
1389	Random Walks on Stochastic Temporal Networks. Understanding Complex Systems, 2013, , 295-313.	0.3	40
1390	A Temporal Network Version of Watts's Cascade Model. Understanding Complex Systems, 2013, , 315-329.	0.3	4
1391	Burstiness: Measures, Models, and Dynamic Consequences. Understanding Complex Systems, 2013, , 41-64.	0.3	6
1392	Temporal Scale of Dynamic Networks. Understanding Complex Systems, 2013, , 65-94.	0.3	16
1393	Time Allocation in Social Networks: Correlation Between Social Structure and Human Communication Dynamics. Understanding Complex Systems, 2013, , 175-190.	0.3	15
1394	Leveraging Topological and Temporal Structure of Hospital Referral Networks for Epidemic Control. Theoretical Biology, 2017, , 199-214.	0.0	2
1395	Critical link analysis of a national internet backbone via dynamic perturbation. IFAC-PapersOnLine, 2020, 53, 155-160.	0.5	2
1399	Temporal networks: a review and opportunities for infrastructure simulation. Sustainable and Resilient Infrastructure, 2022, 7, 40-55.	1.7	12
1400	Motif discovery algorithms in static and temporal networks: A survey. Journal of Complex Networks, 2020, 8, .	1.1	20
1410	A model for the influence of media on the ideology of content in online social networks. Physical Review Research, 2020, 2, .	1.3	34
1411	Modeling temporal networks with bursty activity patterns of nodes and links. Physical Review Research, 2020, 2, .	1.3	15
1412	A framework for the construction of generative models for mesoscale structure in multilayer networks. Physical Review Research, 2020, 2, .	1.3	23
1413	Complex Systems: A Communication Networks Perspective Towards 6G. IEEE Access, 2020, 8, 89007-89030.	2.6	46
1414	DyNetVis - An interactive software to visualize structure and epidemics on temporal networks. , 2020, , .		4
1415	Spatial graphs and Convolutional Models. , 2020, , .		3
1416	Temporal social network reconstruction using wireless proximity sensors: model selection and consequences. EPJ Data Science, 2020, 9, .	1.5	9
1417	Estimating tie strength in social networks using temporal communication data. EPJ Data Science, 2020, 9, .	1.5	17
1418	TGraph. , 2016, , .		13

#	ARTICLE	IF	CITATIONS
1419	DyNetVis. , 2017, , .		23
1420	Co-evolving Patterns in Temporal Networks of Varying Evolution. , 2019, , .		12
1421	Efficient Sampling Algorithms for Approximate Temporal Motif Counting. , 2020, , .		12
1422	Epidemic threshold and lifetime distribution for information diffusion on simultaneously growing networks. , 2019, , .		2
1423	Streaming Graph Neural Networks. , 2020, , .		95
1424	On the Selection of Information Sources for Gossip Spreading. International Journal of Distributed Sensor Networks, 2015, 11, 276014.	1.3	2
1425	Understanding the dynamics of biological and neural oscillator networks through exact mean-field reductions: a review. Journal of Mathematical Neuroscience, 2020, 10, 9.	2.4	145
1426	Discovering and Predicting Temporal Patterns of WiFi-Interactive Social Populations. , 2014, , 99-122.		3
1427	Detecting chimeras by eigenvalue decomposition of the bivariate local order parameter. Europhysics Letters, 2020, 130, 28003.	0.7	4
1428	Evolution of cooperation in multi-population. Europhysics Letters, 2020, 132, 58001.	0.7	4
1429	Detecting Structural Changes in Longitudinal Network Data. Bayesian Analysis, 2020, 15, .	1.6	3
1430	Bursty Communication Patterns Facilitate Spreading in a Threshold-Based Epidemic Dynamics. PLoS ONE, 2013, 8, e68629.	1.1	88
1431	An Efficient Immunization Strategy for Community Networks. PLoS ONE, 2013, 8, e83489.	1.1	55
1432	Do the Rich Get Richer? An Empirical Analysis of the Bitcoin Transaction Network. PLoS ONE, 2014, 9, e86197.	1.1	248
1433	Structural Controllability and Controlling Centrality of Temporal Networks. PLoS ONE, 2014, 9, e94998.	1.1	49
1434	Measuring Large-Scale Social Networks with High Resolution. PLoS ONE, 2014, 9, e95978.	1.1	286
1435	Spatial-Temporal Dynamics of High-Resolution Animal Networks: What Can We Learn from Domestic Animals?. PLoS ONE, 2015, 10, e0129253.	1.1	19
1436	Cyber War Game in Temporal Networks. PLoS ONE, 2016, 11, e0148674.	1.1	7

#	ARTICLE	IF	CITATIONS
1437	Infections on Temporal Networks—A Matrix-Based Approach. <i>PLoS ONE</i> , 2016, 11, e0151209.	1.1	19
1438	The Dynamics of Initiative in Communication Networks. <i>PLoS ONE</i> , 2016, 11, e0154442.	1.1	4
1439	Collaboration Networks in Applied Conservation Projects across Europe. <i>PLoS ONE</i> , 2016, 11, e0164503.	1.1	40
1440	Associative nature of event participation dynamics: A network theory approach. <i>PLoS ONE</i> , 2017, 12, e0171565.	1.1	9
1441	Dynamic measures for transportation networks. <i>PLoS ONE</i> , 2020, 15, e0242875.	1.1	7
1442	2SCENT. Proceedings of the VLDB Endowment, 2018, 11, 1441-1453.	2.1	20
1443	A Multi-Modal and Multi-Objective Journey Planner for Integrating Carpooling and Public Transport. <i>Journal of Traffic and Logistics Engineering</i> , 2017, , .	0.3	6
1444	Complex Networks, Gene Expression and Cancer Complexity: A Brief Review of Methodology and Applications. <i>Current Bioinformatics</i> , 2020, 15, 629-655.	0.7	8
1445	Visualizing Co-Authorship Social Networks and Collaboration Recommendations With CNARE. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2018, , 173-188.	0.3	1
1446	Temporal Analysis of the Diffusion of Knowledge in Networks of Software Maintenance and Development Project Team. <i>Social Networking</i> , 2019, 08, 122-146.	0.3	4
1448	Quantification and Analysis on Animal Social Behavior. <i>Journal of the Robotics Society of Japan</i> , 2017, 35, 455-458.	0.0	3
1449	Node importance ranking of complex networks. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013, 62, 178901.	0.2	80
1450	A topological reconfiguration method for enhancing networks survivability with limited resources. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014, 63, 170201.	0.2	1
1451	Effect of variable network clustering on the accuracy of node centrality. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2016, 65, 028901.	0.2	6
1452	Core-periphery structure in heterogeneous adaptive network and its inhibiting effect on epidemic spreading. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2016, 65, 058901.	0.2	2
1453	Topological analysis of multicellular complexity in the plant hypocotyl. <i>ELife</i> , 2017, 6, .	2.8	37
1454	Pathologically reduced neural flexibility recovers during psychotherapy of OCD patients. <i>NeuroImage: Clinical</i> , 2021, 32, 102844.	1.4	7
1455	The Spread of Ideas in a Network—The Garbage-Can Model. <i>Entropy</i> , 2021, 23, 1345.	1.1	1

#	ARTICLE	IF	CITATIONS
1456	Entropy and Network Centralities as Intelligent Tools for the Investigation of Terrorist Organizations. <i>Entropy</i> , 2021, 23, 1334.	1.1	9
1457	Information spreading on metapopulation networks with heterogeneous contacting. <i>International Journal of Modern Physics C</i> , 2022, 33, .	0.8	2
1458	Effect of algorithmic bias and network structure on coexistence, consensus, and polarization of opinions. <i>Physical Review E</i> , 2021, 104, 044312.	0.8	17
1459	Network analysis of intra- and interspecific freshwater fish interactions using year-around tracking. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210445.	1.5	9
1460	Research in network monitoring: Connections with SPM and new directions. <i>Quality Engineering</i> , 2021, 33, 736-748.	0.7	4
1461	Broader impacts of network monitoring: Its role in government, industry, technology, and beyond. <i>Quality Engineering</i> , 2021, 33, 749-757.	0.7	2
1462	Two classes of functional connectivity in dynamical processes in networks. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210486.	1.5	7
1463	The physics of higher-order interactions in complex systems. <i>Nature Physics</i> , 2021, 17, 1093-1098.	6.5	287
1464	Recurrent originâ€“destination network for exploration of human periodic collective dynamics. <i>Transactions in GIS</i> , 0, , .	1.0	3
1465	Universal Nonlinear Infection Kernel from Heterogeneous Exposure on Higher-Order Networks. <i>Physical Review Letters</i> , 2021, 127, 158301.	2.9	51
1467	A New Method for Identifying Key and Common Themes Based on Text Mining: An Example in the Field of Urban Expansion. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-14.	0.5	0
1468	Time-Varying Spatial Memory Model and Its Impact on Virus Spreading. <i>Complexity</i> , 2021, 2021, 1-15.	0.9	0
1469	Progresses and challenges in link prediction. <i>IScience</i> , 2021, 24, 103217.	1.9	57
1470	ElGA. , 2021, , .		3
1471	Social and Communication Networks. <i>Springer Theses</i> , 2013, , 9-44.	0.0	0
1472	Introduction and Motivations. <i>Springer Theses</i> , 2013, , 1-8.	0.0	0
1473	Quantifying the Evolutions of Social Interactions. <i>Lecture Notes in Computer Science</i> , 2014, , 162-172.	1.0	0
1474	Evolutionary Dynamics of Time-Resolved Social Interactions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0



#	ARTICLE	IF	CITATIONS
1475	Social Network Analysis in the Enterprise: Challenges and Opportunities. Springer Proceedings in Complexity, 2014, , 95-120.	0.2	4
1476	GA-EAM Based Hybrid Algorithm. Lecture Notes in Computer Science, 2014, , 13-20.	1.0	1
1477	Excitations Transfer and Random Walks on Dynamic Contacts Networks. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 199-213.	0.1	0
1478	Handling Oversampling in Dynamic Networks Using Link Prediction. Lecture Notes in Computer Science, 2015, , 671-686.	1.0	4
1479	Towards Structural Controllability of Temporal Complex Networks. Understanding Complex Systems, 2016, , 341-371.	0.3	4
1480	A Network-Theoretic Approach to Collective Dynamics. SpringerBriefs in Complexity, 2016, , 45-74.	0.1	0
1482	Control of Epidemics on Hospital Networks. Understanding Complex Systems, 2016, , 431-440.	0.3	3
1483	Methods of Analyzing Combat SoS Coordination Pattern Based on Temporal Motif. Communications in Computer and Information Science, 2016, , 544-554.	0.4	1
1484	OPTIMAL TEMPORAL PATH ON SPATIAL DECAYING NETWORKS. Journal of Applied Analysis and Computation, 2016, 6, 30-37.	0.2	1
1485	Literacy: Relationships and Relations. Lecture Notes in Social Networks, 2016, , 313-361.	0.8	0
1487	Diffusion in Colocation Contact Networks: The Impact of Nodal Spatiotemporal Dynamics. PLoS ONE, 2016, 11, e0152624.	1.1	2
1488	The Nature of Social Structures. , 2017, , 1-16.		1
1489	Temporal Analysis on Static and Dynamic Social Networks Topologies. , 2017, , 1-10.		1
1490	Supporting Producer Mobility via Named Data Networking in Space-Terrestrial Integrated Networks. Lecture Notes in Computer Science, 2017, , 829-841.	1.0	2
1491	Arts and Humanities, Complex Network Analysis of. , 2017, , 1-6.		2
1492	An assessment method for aviation network optimization based on time-varying small world model. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 248901.	0.2	2
1493	Personal Networks of Scientific Collaborators: A Large Scale Experimental Analysis of Their Evolution. Communications in Computer and Information Science, 2017, , 116-139.	0.4	0
1494	Dynamic and adaptive networks. Interdisciplinary Applied Mathematics, 2017, , 273-301.	0.2	0

#	ARTICLE	IF	CITATIONS
1495	Analysis and Visualization of Dynamic Networks. , 2017, , 1-12.		0
1497	User preferences dynamics on evolving social networks - learning, modeling and prediction. , 2017, , .		1
1500	Temporal Networks. , 2018, , 1-10.		0
1501	Analysis and Visualization of Dynamic Networks. , 2018, , 58-69.		1
1502	Identifying Influential Spreaders by Temporal Efficiency Centrality in Temporal Network. Lecture Notes in Computer Science, 2018, , 369-383.	1.0	0
1503	Node importance idenfication for temporal network based on inter-layer similarity. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 048901.	0.2	8
1504	Temporal Analysis on Static and Dynamic Social Networks Topologies. , 2018, , 3044-3053.		0
1505	Arts and Humanities, Complex Network Analysis of. , 2018, , 87-92.		0
1506	Research on Multi-Layer Financial Network Model between Banks and Enterprises in China: Based on Product and Credit Linkage. Modern Management, 2018, 08, 313-328.	0.0	0
1507	Social Stream Data: Formalism, Properties and Queries. Lecture Notes in Computer Science, 2018, , 369-381.	1.0	0
1508	Temporal Networks. , 2018, , 3053-3062.		3
1509	Nature of Social Structures. , 2018, , 1435-1450.		0
1510	Combinatorial Millerâ€™Hagberg Algorithm for Randomization of Dense Networks. Springer Proceedings in Complexity, 2018, , 65-73.	0.2	0
1512	Temporal Artifacts from Edge Accumulation in Social Interaction Networks. Smart Innovation, Systems and Technologies, 2019, , 11-21.	0.5	0
1513	The temporal network of mobile phone users in Changchun Municipality, Northeast China. Scientific Data, 2018, 5, 180228.	2.4	6
1514	Applications of Hetero-functional Graph Theory. , 2019, , 163-170.		0
1515	Characterizing Temporal Bipartite Networks - Sequential- Versus Cross-Tasking. Studies in Computational Intelligence, 2019, , 28-39.	0.7	2
1516	Score-Driven Exponential Random Graphs: A New Class of Time-Varying Parameter Models for Dynamical Networks. SSRN Electronic Journal, 0, , .	0.4	2

#	ARTICLE	IF	CITATIONS
1517	On the Enumeration of Maximal $(\hat{1}^n, \hat{1}^3)$ -Cliques of a Temporal Network. , 2019, , .		1
1518	Fundamental Structures in Temporal Communication Networks. Computational Social Sciences, 2019, , 25-48.	0.4	9
1519	Metrics for Temporal Text Networks. Computational Social Sciences, 2019, , 147-160.	0.4	1
1521	Dynamic Erdős-Rényi Graphs. Lecture Notes in Computer Science, 2019, , 123-140.	1.0	3
1522	On principal eigenpair of temporal-joined adjacency matrix for spreading phenomenon. Journal of Computational Social Science, 2019, 2, 67-76.	1.4	0
1523	The Effects of Local and Global Link Creation Mechanisms on Contagion Processes Unfolding on Time-Varying Networks. Computational Social Sciences, 2019, , 305-324.	0.4	0
1525	Weighted Temporal Event Graphs. Computational Social Sciences, 2019, , 107-128.	0.4	4
1526	Evolution of Networks: Prediction and Estimation. SSRN Electronic Journal, 0, , .	0.4	1
1527	Continuous-Time Random Walks and Temporal Networks. Computational Social Sciences, 2019, , 219-233.	0.4	0
1528	Advanced Behavioral Analyses Using Inferred Social Networks: A Vision. Communications in Computer and Information Science, 2019, , 210-219.	0.4	1
1529	Quantify Physiologic Interactions Using Network Analysis. Lecture Notes in Computer Science, 2019, , 142-151.	1.0	0
1530	Rational Design and Methods of Analysis for the Study of Short- and Long-Term Dynamic Responses of Eukaryotic Systems. Methods in Molecular Biology, 2019, 2049, 315-327.	0.4	0
1532	Information Diffusion Backbone. Computational Social Sciences, 2019, , 199-217.	0.4	1
1533	Dynamics and Control of Stochastically Switching Networks: Beyond Fast Switching. Computational Social Sciences, 2019, , 269-304.	0.4	0
1537	Shannon Entropy in Time-Varying Clique Networks. Studies in Computational Intelligence, 2020, , 507-518.	0.7	0
1538	Time Varying Communication Networks: Modelling, Reliability Evaluation and Optimization. Springer Series in Reliability Engineering, 2020, , 1-30.	0.3	1
1540	Node influence of the dynamic networks. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 048901.	0.2	5
1541	GENDERED NETWORKS AND COMMUNICABILITY IN MEDIEVAL HISTORICAL NARRATIVES. International Journal of Modeling, Simulation, and Scientific Computing, 2020, 23, 2050006.	0.9	1

#	ARTICLE	IF	CITATIONS
1542	Bridging the gap between graphs and networks. <i>Communications Physics</i> , 2020, 3, .	2.0	9
1543	UAS Path Planning using a Space-Time Graph. , 2020, , .		3
1544	On the transaction dynamics of the Ethereum-based cryptocurrency. <i>Journal of Complex Networks</i> , 2020, 8, .	1.1	3
1546	COVID-19 spreading in financial networks: A semiparametric matrix regression model. <i>Econometrics and Statistics</i> , 2024, 29, 113-131.	0.4	4
1547	Amplifying influence through coordinated behaviour in social networks. <i>Social Network Analysis and Mining</i> , 2021, 11, 111.	1.9	18
1548	Synchronizability of time-varying structured duplex dynamical networks with different intra-layer rewiring mechanisms. <i>Science China Technological Sciences</i> , 2022, 65, 375.	2.0	4
1549	The Unknown of the Pandemic: An Agent-based Model of Final Phase Risks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
1550	Data Compression to Choose a Proper Dynamic Network Representation. <i>Studies in Computational Intelligence</i> , 2021, , 522-532.	0.7	5
1551	Suppressing Epidemic Spreading via Contact Blocking in Temporal Networks. <i>Studies in Computational Intelligence</i> , 2021, , 444-454.	0.7	1
1552	Shortest path of temporal networks: An information spreading-based approach. <i>Chinese Physics B</i> , 2020, 29, 128902.	0.7	1
1553	Saving Data Analysis: Epistemic Friction and Progress in Neuroimaging Research. <i>Studies in Brain and Mind</i> , 2021, , 163-189.	0.5	0
1554	Dynamic Functional Connectivity as a complex random walk: Definitions and the dFCwalk toolbox. <i>MethodsX</i> , 2020, 7, 101168.	0.7	14
1555	The Detection of Dynamical Organization in Cancer Evolution Models. <i>Communications in Computer and Information Science</i> , 2020, , 49-61.	0.4	1
1557	A Network Embedding Approach for Link Prediction in Dynamic Networks. <i>Communications in Computer and Information Science</i> , 2020, , 18-28.	0.4	0
1559	Cops and Robbers on Dynamic Graphs: Offline and Online Case. <i>Lecture Notes in Computer Science</i> , 2020, , 203-219.	1.0	2
1560	Risk transmission between banks based on time-varying state network. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 138901.	0.2	0
1561	Entropy-Based Measure for Influence Maximization in Temporal Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 277-290.	1.0	3
1563	High resolution temporal network analysis to understand and improve collaborative learning. , 2020, , .		13

#	ARTICLE	IF	CITATIONS
1564	Evaluation method of node importance in temporal satellite networks based on time slot correlation. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	4
1565	A Preliminary Study on the VANET Topology Characteristics from Propagation-Aware Traffic Flows Extracted from Measured Data. , 2020, , .		0
1566	Scaling Choice Models of Relational Social Data. , 2020, , .		8
1567	Control of mobile chaotic agents with jump-based connection adaption strategy. New Journal of Physics, 2020, 22, 073032.	1.2	3
1568	Ranking places in attributed temporal urban mobility networks. PLoS ONE, 2020, 15, e0239319.	1.1	7
1569	Recovering Communities in Temporal Networks Using Persistent Edges. Lecture Notes in Computer Science, 2021, , 243-254.	1.0	1
1570	“Entanglement” “ A new dynamic metric to measure team flow. Social Networks, 2022, 70, 100-111.	1.3	4
1571	odeN. , 2021, , .		5
1572	Continuous Infrastructure Assessment for Key Business Functions in Changing Environments. , 2021, , .		1
1573	Challenged Networks to Challenged Computing: An Untapped Potential for Future Space Exploration. , 2021, , .		1
1574	Span-reachability querying in large temporal graphs. VLDB Journal, 2022, 31, 629-647.	2.7	2
1576	An efficient procedure for mining egocentric temporal motifs. Data Mining and Knowledge Discovery, 2022, 36, 355-378.	2.4	10
1577	Time Series Approach to the Evolution of Networks: Prediction and Estimation. Journal of Business and Economic Statistics, 2023, 41, 170-183.	1.8	6
1578	A temporal segmentation algorithm for restoring the controllability of networked control systems. IET Control Theory and Applications, 2022, 16, 318-329.	1.2	2
1579	Updating Maximal $(\Delta, \gamma)$ -Cliques of a Temporal Network Efficiently. Lecture Notes in Computer Science, 2021, , 485-493.	1.0	0
1580	Mittag-Leffler Functions and their Applications in Network Science. SIAM Journal on Matrix Analysis and Applications, 2021, 42, 1581-1601.	0.7	9
1581	Analysis, Prediction, and Control of Epidemics: A Survey from Scalar to Dynamic Network Models. IEEE Circuits and Systems Magazine, 2021, 21, 4-23.	2.6	46
1583	DCNMF: Dynamic Community Discovery with Improved Convex-NMF in Temporal Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 460-475.	0.2	0

#	ARTICLE	IF	CITATIONS
1585	Mitigate SIR epidemic spreading via contact blocking in temporal networks. Applied Network Science, 2022, 7, 2.	0.8	4
1586	On Strong Structural Controllability of Temporal Networks. , 2022, 6, 1861-1866.		1
1587	Social physics. Physics Reports, 2022, 948, 1-148.	10.3	231
1588	The synchronized dynamics of time-varying networks. Physics Reports, 2022, 949, 1-63.	10.3	91
1589	Realized Exponential Random Graphs, with an Application to the Interbank Network. SSRN Electronic Journal, 0, , .	0.4	0
1590	Temporal Network Prediction and Interpretation. IEEE Transactions on Network Science and Engineering, 2022, 9, 1215-1224.	4.1	6
1591	Min Hop and Foremost Paths in Interval Temporal Graphs. , 2021, , .		1
1592	An Effective Data Structure for Contact Sequence Temporal Graphs. , 2021, , .		3
1593	A Deep Dive Into Understanding The Random Walk-Based Temporal Graph Learning. , 2021, , .		4
1594	The dynamical formation of ephemeral groups on networks and their effects on epidemics spreading. Scientific Reports, 2022, 12, 683.	1.6	5
1595	The shape of memory in temporal networks. Nature Communications, 2022, 13, 499.	5.8	11
1596	Bayesian Dynamic Tensor Regression. Journal of Business and Economic Statistics, 2023, 41, 429-439.	1.8	5
1597	Metapopulation models imply non-Poissonian statistics of interevent times. Physical Review Research, 2022, 4, .	1.3	0
1598	Statistical physics of network structure and information dynamics. Journal of Physics Complexity, 2022, 3, 011001.	0.9	6
1599	Geosocial Features and Loss of Biodiversity Underlie Variable Rates of Inflammatory Bowel Disease in a Large Developing Country: A Population-Based Study. Inflammatory Bowel Diseases, 2022, 28, 1696-1708.	0.9	8
1601	A method to compute the communicability of nodes through causal paths in temporal networks. Physica A: Statistical Mechanics and Its Applications, 2022, 593, 126965.	1.2	2
1602	Effect of Contact Preference among Heterogeneous Individuals on Social Contagions. Complexity, 2022, 2022, 1-15.	0.9	0
1603	Temporal Networks Based on Human Mobility Models: A Comparative Analysis With Real-World Networks. IEEE Access, 2022, 10, 5912-5935.	2.6	3

#	ARTICLE	IF	CITATIONS
1604	Phase transition in the majority-vote model on time-varying networks. <i>Physical Review E</i> , 2022, 105, 014310.	0.8	0
1605	Dynamic Reorganization of Functional Connectivity During Post-Break Task Reengagement. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 157-166.	2.7	6
1606	Common-knowledge networks with application to strategic research planning in universities. <i>Decision Analytics Journal</i> , 2022, , 100027.	2.7	1
1607	Two-stage anomaly detection algorithm via dynamic community evolution in temporal graph. <i>Applied Intelligence</i> , 2022, 52, 12222-12240.	3.3	3
1608	A reproductive heir has a central position in multilayer social networks of paper wasps. <i>Animal Behaviour</i> , 2022, 185, 21-36.	0.8	8
1609	Spatial Entropy of Directional Geographical Data and Landscape Networks. <i>RaumFragen: Stadt - Region - Landschaft</i> , 2022, , 31-55.	1.0	2
1610	Hiding in Temporal Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 1645-1657.	4.1	4
1611	Temporal motifs in patent opposition and collaboration networks. <i>Scientific Reports</i> , 2022, 12, 1917.	1.6	4
1612	Stability analysis of intralayer synchronization in time-varying multilayer networks with generic coupling functions. <i>Physical Review E</i> , 2022, 105, 024303.	0.8	13
1613	Usersâ€™ polarisation in dynamic discussion networks: The case of refugee crisis in Sweden. <i>PLoS ONE</i> , 2022, 17, e0262992.	1.1	3
1614	Temporal networks in collaborative learning: A case study. <i>British Journal of Educational Technology</i> , 2022, 53, 1283-1303.	3.9	5
1615	Dynamic network modelling with similarity based aggregation algorithm. <i>Computer Science and Information Systems</i> , 2022, 19, 1023-1046.	0.7	0
1616	Contagion dynamics in self-organized systems of self-propelled agents. <i>Scientific Reports</i> , 2022, 12, 2588.	1.6	12
1617	Detecting contagious spreading of urban innovations on the global city network. <i>European Physical Journal: Special Topics</i> , 0, , 1.	1.2	3
1618	Evidence of the persistence and consistency of social signatures. <i>Applied Network Science</i> , 2022, 7, .	0.8	1
1619	Exploring diet associations with Covid-19 and other diseases: a Network Analysisâ€‘based approach. <i>Medical and Biological Engineering and Computing</i> , 2022, 60, 991-1013.	1.6	5
1620	MODIT: MOTif Discovery in Temporal Networks. <i>Frontiers in Big Data</i> , 2021, 4, 806014.	1.8	3
1621	Non-Markovian temporal networks with auto- and cross-correlated link dynamics. <i>Physical Review E</i> , 2022, 105, 034301.	0.8	5

#	ARTICLE	IF	CITATIONS
1622	Temporal exponential random graph models of longitudinal brain networks after stroke. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210850.	1.5	5
1623	A multi-layer network model to assess school opening policies during a vaccination campaign: a case study on COVID-19 in France. <i>Applied Network Science</i> , 2022, 7, 12.	0.8	4
1624	Representation learning for temporal networks using temporal random walk and deep autoencoder. <i>Discrete Applied Mathematics</i> , 2022, , .	0.5	1
1625	Coordination and equilibrium selection in games: the role of local effects. <i>Scientific Reports</i> , 2022, 12, 3373.	1.6	6
1626	A model for leveraging animal movement to understand spatio-temporal disease dynamics. <i>Ecology Letters</i> , 2022, 25, 1290-1304.	3.0	16
1627	Investigation of Terrorist Organizations Using Intelligent Tools: A Dynamic Network Analysis with Weighted Links. <i>Mathematics</i> , 2022, 10, 1092.	1.1	5
1628	Swarmalators under competitive time-varying phase interactions. <i>New Journal of Physics</i> , 2022, 24, 043004.	1.2	38
1629	Spatiotemporal Input Control: Leveraging Temporal Variation in Network Dynamics. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022, 9, 635-651.	8.5	2
1630	Persistence in complex systems. <i>Physics Reports</i> , 2022, 957, 1-73.	10.3	24
1631	Limited resource network modeling and its opinion diffusion dynamics. <i>Chaos</i> , 2022, 32, 043108.	1.0	4
1632	Graph data temporal evolutions: From conceptual modelling to implementation. <i>Data and Knowledge Engineering</i> , 2022, 139, 102017.	2.1	3
1633	Oscillation suppression and chimera states in time-varying networks. <i>Chaos</i> , 2022, 32, 042101.	1.0	4
1634	Higher-order motif analysis in hypergraphs. <i>Communications Physics</i> , 2022, 5, .	2.0	50
1635	Heuristics and metaheuristics for biological network alignment: A review. <i>Neurocomputing</i> , 2022, 491, 426-441.	3.5	8
1636	An overview of structural systems theory. <i>Automatica</i> , 2022, 140, 110229.	3.0	15
1637	Networks behind the morphology and structural design of living systems. <i>Physics of Life Reviews</i> , 2022, 41, 1-21.	1.5	57
1638	Shortest paths along urban road network peripheries. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 597, 127255.	1.2	3
1639	Toward a generalized notion of discrete time for modeling temporal networks. <i>Network Science</i> , 2021, 9, 443-477.	0.8	0



#	ARTICLE	IF	CITATIONS
1640	Cheating in online gaming spreads through observation and victimization. <i>Network Science</i> , 2021, 9, 425-442.	0.8	2
1641	Network of mobile systems: mutual influence of oscillators and agents. <i>European Physical Journal: Special Topics</i> , 2022, 231, 237-245.	1.2	4
1642	Comparison between Louvain and Leiden Algorithm for Network Structure: A Review. <i>Journal of Physics: Conference Series</i> , 2021, 2129, 012028.	0.3	6
1643	A Briefing Survey on Advances of Coupled Networks With Various Patterns. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	3
1644	Dynamics on higher-order networks: a review. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20220043.	1.5	183
1645	Investigating and modeling the dynamics of long ties. <i>Communications Physics</i> , 2022, 5, .	2.0	6
1646	Effects of network temporality on coevolution spread epidemics in higher-order network. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2022, 34, 2871-2882.	2.7	7
1647	Network-based analysis of fluid flows: Progress and outlook. <i>Progress in Aerospace Sciences</i> , 2022, 131, 100823.	6.3	10
1648	AIS explorer: Prioritization for watercraft inspections-A decision-support tool for aquatic invasive species management. <i>Journal of Environmental Management</i> , 2022, 314, 115037.	3.8	4
1651	Time Parameters Shape the Controllability of Temporally Switching Networks. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 2064-2078.	3.6	1
1652	Role detection in bicycle-sharing networks using multilayer stochastic block models. <i>Network Science</i> , 2022, 10, 46-81.	0.8	1
1654	Important Nodes Mining based on a novel Personalized Temporal Motif PageRank Algorithm in Temporal Networks. <i>International Journal of Modern Physics C</i> , 0, , .	0.8	0
1655	A new computation method of minimum dwell time for the global asymptotic stability of switched linear differential systems. <i>Revista Mexicana De Física</i> , 2022, 68, .	0.2	1
1656	Combining clutter reduction methods for temporal network visualization. , 2022, , .		1
1657	RAMPVIS: Answering the challenges of building visualisation capabilities for large-scale emergency responses. <i>Epidemics</i> , 2022, 39, 100569.	1.5	13
1658	ONBRA: Rigorous Estimation of the Temporal Betweenness Centrality in Temporal Networks. , 2022, , .		3
1659	Neural Synchrony and Network Dynamics in Social Interaction: A Hyper-Brain Cell Assembly Hypothesis. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 848026.	1.0	7
1660	Hidden dependence of spreading vulnerability on topological complexity. <i>Physical Review E</i> , 2022, 105, .	0.8	3

#	ARTICLE	IF	CITATIONS
1661	On The Biophysical Complexity of Brain Dynamics: An Outlook. <i>Dynamics</i> , 2022, 2, 114-148.	0.5	5
1662	Flow stability for dynamic community detection. <i>Science Advances</i> , 2022, 8, eabj3063.	4.7	5
1663	Communication now and then: analyzing the Republic of Letters as a communication network. <i>Applied Network Science</i> , 2022, 7, .	0.8	1
1664	Link prediction for existing links in dynamic networks based on the attraction force. <i>Chaos, Solitons and Fractals</i> , 2022, 159, 112120.	2.5	1
1665	Extreme events in dynamical systems and random walkers: A review. <i>Physics Reports</i> , 2022, 966, 1-52.	10.3	37
1666	Networks of necessity: Simulating COVID-19 mitigation strategies for disabled people and their caregivers. <i>PLoS Computational Biology</i> , 2022, 18, e1010042.	1.5	3
1667	Stable Subgraph Isomorphism Search in Temporal Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-1.	4.0	0
1668	A Robust Comparative Analysis of Graph Neural Networks on Dynamic Link Prediction. <i>IEEE Access</i> , 2022, 10, 64146-64160.	2.6	2
1669	Directed percolation in random temporal network models with heterogeneities. <i>Physical Review E</i> , 2022, 105, .	0.8	5
1671	Directed percolation in temporal networks. <i>Physical Review Research</i> , 2022, 4, .	1.3	4
1672	The most active community search in large temporal graphs. <i>Knowledge-Based Systems</i> , 2022, , 109101.	4.0	1
1673	Individual- and pair-based models of epidemic spreading: Master equations and analysis of their forecasting capabilities. <i>Physical Review Research</i> , 2022, 4, .	1.3	1
1674	Modelling control strategies against classical swine fever: Influence of traders and markets using static and temporal networks in Ecuador. <i>Preventive Veterinary Medicine</i> , 2022, 205, 105683.	0.7	4
1675	Levy geometric graphs. <i>Physical Review E</i> , 2022, 105, .	0.8	1
1676	Time-varying graph representation learning via higher-order skip-gram with negative sampling. <i>EPJ Data Science</i> , 2022, 11, .	1.5	1
1677	Root finding algorithms and persistence of Jordan centrality in growing random trees. <i>Annals of Applied Probability</i> , 2022, 32, .	0.6	5
1678	Quantification of network structural dissimilarities based on network embedding. <i>IScience</i> , 2022, 25, 104446.	1.9	4
1679	Communicability in time-varying networks with memory. <i>New Journal of Physics</i> , 2022, 24, 063017.	1.2	2

#	ARTICLE	IF	CITATIONS
1680	Toward Digital Twin Oriented Modeling of Complex Networked Systems and Their Dynamics: A Comprehensive Survey. <i>IEEE Access</i> , 2022, 10, 66886-66923.	2.6	9
1681	The Confidence Embodied in Sticking to One's Own Strategy Promotes Cooperation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1682	A Model for Route Learning in Opportunistic Networks. , 2022, , .		2
1683	Complex network theory to model 5G Network Slicing. , 2022, , .		2
1684	Analysing dynamic work systems using DynEAST: a demonstration of concept. <i>Ergonomics</i> , 2023, 66, 377-405.	1.1	1
1685	From Isles of K�nigsberg to Islets of Langerhans: Examining the Function of the Endocrine Pancreas Through Network Science. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	15
1686	Computing Complex Temporal Join Queries Efficiently. , 2022, , .		2
1687	The temporal rich club phenomenon. <i>Nature Physics</i> , 2022, 18, 931-938.	6.5	10
1688	Analysis of the competition among viral strains using a temporal interaction-driven contagion model. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
1689	Fork-based user migration in Blockchain Online Social Media. , 2022, , .		8
1690	The anatomy of social dynamics in escape rooms. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
1691	Evaluation for Risk of Cascading Failures in Power Grids by Inverse-Community Structure. <i>IEEE Internet of Things Journal</i> , 2023, 10, 7459-7468.	5.5	1
1692	Turing Instability and Pattern Formation on Directed Networks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1693	Interaction among Multiple Intelligent Agent Systems in web mining. , 2022, , .		0
1694	Temporal network epistemology: On reaching consensus in a real-world setting. <i>Chaos</i> , 2022, 32, 063135.	1.0	1
1695	Small world can alleviate the social dilemmas originating from self-regulation or community policing issues. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 127913.	1.2	0
1696	Spatial evolution of cooperation with variable payoffs. <i>Chaos</i> , 2022, 32, .	1.0	11
1698	Graph-theoretic approach to detecting real-time intents within purchase conversion funnel using clickstream data. <i>Kybernetes</i> , 2022, ahead-of-print, .	1.2	2

#	ARTICLE	IF	CITATIONS
1699	Comparison of empirical and shrinkage correlation algorithm for clustering methods in the futures market. <i>SN Business &amp; Economics</i> , 2022, 2, .	0.6	0
1700	The interplay between disease spreading and awareness diffusion in multiplex networks with activity-driven structure. <i>Chaos</i> , 2022, 32, .	1.0	6
1701	A hybrid adjacency and time-based data structure for analysis of temporal networks. <i>Applied Network Science</i> , 2022, 7, .	0.8	0
1702	Network structure from a characterization of interactions in complex systems. <i>Scientific Reports</i> , 2022, 12, .	1.6	9
1703	Universal multilayer network exploration by random walk with restart. <i>Communications Physics</i> , 2022, 5, .	2.0	12
1704	Vector centrality in hypergraphs. <i>Chaos, Solitons and Fractals</i> , 2022, 162, 112397.	2.5	11
1705	Event-based Dynamic Graph Drawing without the Agonizing Pain. <i>Computer Graphics Forum</i> , 2022, 41, 226-244.	1.8	3
1706	Forecasting the evolution of fast-changing transportation networks using machine learning. <i>Nature Communications</i> , 2022, 13, .	5.8	8
1707	Effects of time-varying habitat connectivity on metacommunity persistence. <i>Physical Review E</i> , 2022, 106, .	0.8	1
1708	Prediction of hospital-onset COVID-19 infections using dynamic networks of patient contact: an international retrospective cohort study. <i>The Lancet Digital Health</i> , 2022, 4, e573-e583.	5.9	6
1709	Different networks for different purposes: A network science perspective on collaboration and communication in an engineering design project. <i>Computers in Industry</i> , 2022, 142, 103745.	5.7	3
1710	Scalable Motif Counting for Large-scale Temporal Graphs. , 2022, , .		1
1711	Provenance in Temporal Interaction Networks. , 2022, , .		0
1712	TeGraph: A Novel General-Purpose Temporal Graph Computing Engine. , 2022, , .		2
1713	Temporal Network Motifs: Models, Limitations, Evaluation (Extended abstract). , 2022, , .		0
1714	Visual Analytics of Contact Tracing Policy Simulations During an Emergency Response. <i>Computer Graphics Forum</i> , 2022, 41, 29-41.	1.8	7
1715	Effects of the local information on the resource-epidemic dynamics on multiplex networks. , 2022, , .		0
1716	An algorithm for updating betweenness centrality scores of all vertices in a graph upon deletion of a single edge. <i>Journal of Complex Networks</i> , 2022, 10, .	1.1	1

#	ARTICLE	IF	CITATIONS
1717	Multi-channel Fusion Graph Convolution based Critical Node Identification in Temporal Networks. , 2022, , .		0
1718	A new clustering method to explore the dynamics of research communities. <i>Scientometrics</i> , 2022, 127, 4459-4482.	1.6	0
1719	Bayesian Markov-Switching Tensor Regression for Time-Varying Networks. <i>Journal of the American Statistical Association</i> , 2024, 119, 109-121.	1.8	2
1720	Edge Exploration of Temporal Graphs. <i>Algorithmica</i> , 2023, 85, 688-716.	1.0	2
1722	The effect of information-driven resource allocation on the propagation of epidemic with incubation period. <i>Nonlinear Dynamics</i> , 0, , .	2.7	0
1723	Topologicalâ€œtemporal properties of evolving networks. <i>Journal of Complex Networks</i> , 2022, 10, .	1.1	2
1724	Unexpected advantages of exploitation for target searches in complex networks. <i>Chaos</i> , 2022, 32, 083118.	1.0	1
1725	Interplay of simplicial awareness contagion and epidemic spreading on time-varying multiplex networks. <i>Chaos</i> , 2022, 32, .	1.0	17
1727	A centrality model for directed graphs based on the Two-Way-Random Path and associated indices for characterizing the nodes. <i>Journal of Computational Science</i> , 2022, 63, 101819.	1.5	10
1728	Generalized correlation dimension and heterogeneity of network spaces. <i>Chaos, Solitons and Fractals</i> , 2022, 162, 112507.	2.5	0
1729	Community integration algorithms (CIAs) for dynamical systems on networks. <i>Journal of Computational Physics</i> , 2022, 469, 111524.	1.9	0
1730	Complex-network-based traffic network analysis and dynamics: A comprehensive review. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 607, 128063.	1.2	22
1731	Dynamic Katz and related network measures. <i>Linear Algebra and Its Applications</i> , 2022, 655, 159-185.	0.4	2
1732	Link cooperation effect of cooperative epidemics on complex networks. <i>Applied Mathematics and Computation</i> , 2023, 437, 127537.	1.4	2
1733	Towards Efficient Simulation-Based Constrained Temporal Graph Pattern Matching. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1734	An Inverse-Free Block-SOR Method With Randomly Sampling for Temporal Multiplex PageRank Problems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-15.	4.0	0
1735	A survey on temporal network dynamics with incomplete data. <i>Electronic Research Archive</i> , 2022, 30, 3786-3810.	0.4	0
1736	The Impacts of the Individual Activity and Attractiveness Correlation on Spreading Dynamics in Time-Vaying Networks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1737	An Efficient Vertex-Driven Temporal Graph Model and Subgraph Clustering Method. IEEE Access, 2022, 10, 100627-100645.	2.6	0
1738	Optimal Control of Temporal Networks With Variable Input and Node-Source Connection. IEEE Transactions on Cybernetics, 2024, 54, 999-1010.	6.2	0
1739	LargeNetVis: Visual Exploration of Large Temporal Networks Based On Community Taxonomies. IEEE Transactions on Visualization and Computer Graphics, 2022, , 1-11.	2.9	0
1740	Topology Control of a Periodic Time-varying Communication Network with Stochastic Temporal Links. , 2022, , .		1
1741	Turing instability and pattern formation on directed networks. Communications in Nonlinear Science and Numerical Simulation, 2023, 116, 106892.	1.7	4
1742	Evolution of Cooperation in the Memory-based Multigame on Complex Networks. , 2022, , .		0
1743	Maximizing reachability in a temporal graph obtained by assigning starting times to a collection of walks. Networks, 0, , .	1.6	0
1744	Exposure theory for learning complex networks with random walks. Journal of Complex Networks, 2022, 10, .	1.1	0
1745	Algorithms for optimal min hop and foremost paths in interval temporal graphs. Applied Network Science, 2022, 7, .	0.8	1
1746	An efficient updation approach for enumerating maximal ( $\hat{I}^*$ , $\langle i \rangle^3 / i$ )-cliques of a temporal network. Journal of Complex Networks, 2022, 10, .	1.1	1
1747	Ranking influential nodes in complex networks with community structure. PLoS ONE, 2022, 17, e0273610.	1.1	7
1748	Cattle transport network predicts endemic and epidemic foot-and-mouth disease risk on farms in Turkey. PLoS Computational Biology, 2022, 18, e1010354.	1.5	2
1749	Object-Based Dynamics: Applying Forman's Ricci Flow on a Multigraph to Assess the Impact of an Object on The Network Structure. Axioms, 2022, 11, 486.	0.9	3
1750	Maximum entropy networks for large scale social network node analysis. Applied Network Science, 2022, 7, .	0.8	5
1751	A Visualization Approach for Simulating and Analyzing Infection Spread Dynamics Using Temporal Networks. Journal of Information and Data Management, 2022, 13, .	0.2	0
1752	A Comparative Study of Some Point Process Models for Dynamic Networks. Complexity, 2022, 2022, 1-21.	0.9	0
1753	Effective submodularity of influence maximization on temporal networks. Physical Review E, 2022, 106, .	0.8	3
1754	Modeling and Feature Analysis of Air Traffic Complexity Propagation. Sustainability, 2022, 14, 11157.	1.6	0

#	ARTICLE	IF	CITATIONS
1755	Foremost Walks and Paths in Interval Temporal Graphs. <i>Algorithms</i> , 2022, 15, 361.	1.2	1
1756	Flocking dynamics mediated by weighted social networks. <i>Physical Review E</i> , 2022, 106, .	0.8	2
1757	Network alignment and motif discovery in dynamic networks. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2022, 11, .	1.2	18
1758	Min-Hop Foremost Paths in Interval Temporal Graphs. , 2022, , .		0
1759	Adding links on minimum degree and longest distance strategies for improving network robustness and efficiency. <i>PLoS ONE</i> , 2022, 17, e0276733.	1.1	0
1760	Correlations of network trajectories. <i>Physical Review Research</i> , 2022, 4, .	1.3	3
1761	Micro-scale functional modules in the human temporal lobe. <i>Nature Communications</i> , 2022, 13, .	5.8	1
1762	Identifying the temporal dynamics of densification and sparsification in human contact networks. <i>EPJ Data Science</i> , 2022, 11, .	1.5	1
1763	Vsimgen: A Proposal for an Interactive Visualization Tool for Simulation of Production Planning and Control Strategies. <i>Lecture Notes in Networks and Systems</i> , 2023, , 731-752.	0.5	0
1764	Research on the co-evolution of temporal networks structure and public opinion propagation. <i>Journal of Information Science</i> , 0, , 016555152211219.	2.0	0
1765	Randomized Reference Models for Temporal Networks. <i>SIAM Review</i> , 2022, 64, 763-830.	4.2	10
1766	Recurrent Segmentation Meets Block Models in Temporal Networks. <i>Lecture Notes in Computer Science</i> , 2022, , 445-459.	1.0	1
1767	How do scientific papers from different journal tiers gain attention on social media?. <i>Information Processing and Management</i> , 2023, 60, 103152.	5.4	3
1768	Modelling time-varying interactions in complex systems: the Score Driven Kinetic Ising Model. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1769	Dynamic rewiring of electrophysiological brain networks during learning. <i>Network Neuroscience</i> , 0, , 1-40.	1.4	0
1770	Combining multiplex networks and time series: A new way to optimize real estate forecasting in New York using cab rides. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 609, 128306.	1.2	1
1771	A tensor-based formulation of hetero-functional graph theory. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
1772	Statistical inference links data and theory in network science. <i>Nature Communications</i> , 2022, 13, .	5.8	20

#	ARTICLE	IF	CITATIONS
1773	Partitioning Communication Streams Into Graph Snapshots. IEEE Transactions on Network Science and Engineering, 2023, 10, 809-826.	4.1	1
1774	A Network-Based Visual Analytics Approach for Performance Evaluation of Swarms of Robots in the Surveillance Task. Lecture Notes in Computer Science, 2022, , 61-76.	1.0	0
1775	SMPC-Ranking: A Privacy-Preserving Method on Identifying Influential Nodes in Multiple Private Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 2971-2982.	5.9	3
1776	Multi-Parameter Analysis of Finding Minors and Subgraphs in Edge-Periodic Temporal Graphs. Lecture Notes in Computer Science, 2023, , 283-297.	1.0	0
1777	The structure of biological complexity: Comment on "Networks behind the morphology and structural design of living systems" by Gosak et al.. Physics of Life Reviews, 2023, 44, 73-76.	1.5	1
1778	Control energy scaling for target control of complex networks. Chaos, Solitons and Fractals, 2023, 167, 112986.	2.5	5
1779	ShareTrace: Contact Tracing with the Actor Model. , 2022, , .		0
1780	Modeling Real-Life Urban Sensor Networks Based on Open Data. Sensors, 2022, 22, 9264.	2.1	4
1781	Optimizing travel routes using temporal networks constructed from global positioning system data in kyoto tourism. Frontiers in Physics, 0, 10, .	1.0	2
1782	GAN-based deep learning framework of network reconstruction. Complex & Intelligent Systems, 2023, 9, 3131-3146.	4.0	1
1783	An Effective Approach Based on Temporal Centrality Measures for Improving Temporal Network Controllability. Cybernetics and Systems, 0, , 1-20.	1.6	7
1784	Critical Percolation on Temporal High-Speed Railway Networks. Mathematics, 2022, 10, 4695.	1.1	0
1785	Copula-based analysis of the autocorrelation function for simple temporal networks. Journal of the Korean Physical Society, 0, , .	0.3	0
1787	Dynamic structure of motor cortical neuron coactivity carries behaviorally relevant information. Network Neuroscience, 2023, 7, 661-678.	1.4	1
1788	Community detection in large-scale real-world networks. Advances in Computers, 2021, , .	1.2	0
1789	Attributed Stream-Hypernetwork Analysis: Homophilic Behaviors in Pairwise and Group Political Discussions on Reddit. Studies in Computational Intelligence, 2023, , 150-161.	0.7	1
1790	Beyond the Bristol book: Advances and perspectives in non-smooth dynamics and applications. Chaos, 2023, 33, 010402.	1.0	5
1791	A Complex Insight for Quality of Service Based on Spreading Dynamics and Multilayer Networks in a 6G Scenario. Mathematics, 2023, 11, 423.	1.1	1



#	ARTICLE	IF	CITATIONS
1792	Clustering and link prediction for mesoscopic COVID-19 transmission networks in Republic of Korea. Chaos, 2023, 33, .	1.0	3
1793	Characterization of interactionsâ€™ persistence in time-varying networks. Scientific Reports, 2023, 13, .	1.6	1
1794	Evaluating testâ€™retest reliability and sexâ€™ageâ€™related effects on temporal clustering coefficient of dynamic functional brain networks. Human Brain Mapping, 2023, 44, 2191-2208.	1.9	9
1795	Call Graph Evolution Analytics over a Version Series of an Evolving Software System. , 2022, , .		1
1796	I/O Efficient Early Bursting Cohesive Subgraph Discovery in Massive Temporal Networks. Journal of Computer Science and Technology, 2022, 37, 1337-1355.	0.9	1
1797	Temporal networks in biology and medicine: a survey on models, algorithms, and tools. Network Modeling Analysis in Health Informatics and Bioinformatics, 2023, 12, .	1.2	5
1798	Maximal dispersion of adaptive random walks. Physical Review Research, 2022, 4, .	1.3	2
1799	Memory Based Temporal Network Prediction. Studies in Computational Intelligence, 2023, , 661-673.	0.7	2
1800	Exploring and Mining Attributed Sequences of Interactions. Studies in Computational Intelligence, 2023, , 537-549.	0.7	0
1801	Forecasting COVID-19 and Other Infectious Diseases for Proactive Policy: Artificial Intelligence Can Help. Journal of Urban Health, 2023, 100, 7-10.	1.8	0
1802	The effect of structural holes on producing novel and disruptive research in physics. Scientometrics, 2023, 128, 1801-1823.	1.6	4
1803	Graph Theory for Brain Signal Processing. , 2023, , 2641-2669.		0
1804	Temporal motif-based attentional graph convolutional network for dynamic link prediction. Intelligent Data Analysis, 2023, 27, 241-268.	0.4	0
1805	Burstiness of Interference Pikes in Wireless Networks. IEEE Open Journal of Vehicular Technology, 2023, 4, 293-309.	3.4	0
1807	Impact of different social attitudes on epidemic spreading in activity-driven networks. Applied Mathematics and Computation, 2023, 446, 127850.	1.4	5
1808	TGLib: An Open-Source Library for Temporal Graph Analysis. , 2022, , .		2
1809	The role of occupancy and transition rate on traffic flow in a percolation-backbone fractal. Chaos, Solitons and Fractals, 2023, 170, 113335.	2.5	6
1810	Eco-evolutionary cyclic dominance among predators, prey, and parasites. Journal of Theoretical Biology, 2023, 564, 111446.	0.8	7

#	ARTICLE	IF	CITATIONS
1811	Signal propagation in complex networks. <i>Physics Reports</i> , 2023, 1017, 1-96.	10.3	50
1812	Temporal link prediction based on node dynamics. <i>Chaos, Solitons and Fractals</i> , 2023, 170, 113402.	2.5	3
1813	A temporal graph framework for intelligence extraction in social media networks. <i>Information and Management</i> , 2023, 60, 103773.	3.6	1
1814	Modeling heterogeneity in an open percolation backbone fractal traffic network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 619, 128721.	1.2	6
1815	The impacts of the individual activity and attractiveness correlation on spreading dynamics in time-varying networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2023, 122, 107233.	1.7	3
1816	Building a Reliable, Dynamic and Temporal Synthetic Model of the World Trade Web. <i>Springer Proceedings in Complexity</i> , 2022, , 69-82.	0.2	0
1817	Mining Bursting Core in Large Temporal Graphs. <i>Proceedings of the VLDB Endowment</i> , 2022, 15, 3911-3923.	2.1	0
1818	Ordinal methods for a characterization of evolving functional brain networks. <i>Chaos</i> , 2023, 33, .	1.0	8
1819	Inferring cell cycle phases from a partially temporal network of protein interactions. <i>Cell Reports Methods</i> , 2023, 3, 100397.	1.4	3
1820	Modeling framework unifying contact and social networks. <i>Physical Review E</i> , 2023, 107, .	0.8	1
1821	Link stability analysis of temporal international fertilizer trade networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2023, 2023, 023401.	0.9	1
1822	Wavelet-Based Methods to Partition Multibody Systems With Contact in Dynamic Simulation. <i>Journal of Computational and Nonlinear Dynamics</i> , 2023, 18, .	0.7	0
1823	A double attention graph network for link prediction on temporal graph. <i>Applied Soft Computing Journal</i> , 2023, 136, 110059.	4.1	1
1824	System Network Analytics: Evolution and Stable Rules of a State Series. , 2022, , .		3
1825	A general higher-order supracentrality framework based on motifs of temporal networks and multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 614, 128548.	1.2	0
1826	LSM-Subgraph: Log-Structured Merge-Subgraph for Temporal Graph Processing. <i>Lecture Notes in Computer Science</i> , 2023, , 477-494.	1.0	0
1828	Comparison of TERGM and SAOM : Statistical analysis of student network data. <i>Ungyong T'onggye Yon'gu = the Korean Journal of Applied Statistics</i> , 2023, 36, 1-19.	0.0	0
1829	The structure and dynamics of instrument collaboration networks. <i>Scientometrics</i> , 2023, 128, 3581-3600.	1.6	1

#	ARTICLE	IF	CITATIONS
1830	Impact of human contact patterns on epidemic spreading in time-varying networks. <i>Physical Review E</i> , 2023, 107, .	0.8	4
1831	Core-periphery structure in networks: A statistical exposition. <i>Statistics Surveys</i> , 2023, 17, .	7.3	2
1832	Propagation of Interactions among Aircraft Trajectories: A Complex Network Approach. <i>Aerospace</i> , 2023, 10, 213.	1.1	0
1834	Temporal patterns of reciprocity in communication networks. <i>EPJ Data Science</i> , 2023, 12, .	1.5	1
1835	Non-linear consensus dynamics on temporal hypergraphs with random noisy higher-order interactions. <i>Journal of Complex Networks</i> , 2023, 11, .	1.1	7
1836	Inferring Tie Strength in Temporal Networks. <i>Lecture Notes in Computer Science</i> , 2023, , 69-85.	1.0	1
1837	Triadic influence as a proxy for compatibility in social relationships. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	1
1838	Burstiness and information spreading in active particle systems. <i>Soft Matter</i> , 0, , .	1.2	0
1839	Impact of random and targeted disruptions on information diffusion during outbreaks. <i>Chaos</i> , 2023, 33, 033145.	1.0	1
1840	Temporal-topological properties of higher-order evolving networks. <i>Scientific Reports</i> , 2023, 13, .	1.6	4
1841	Parameter and coupling estimation in small networks of Izhikevich's neurons. <i>Chaos</i> , 2023, 33, .	1.0	0
1842	The stability of transient relationships. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
1843	Hiding From Centrality Measures: A Stackelberg Game Perspective. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2023, , 1-14.	4.0	0
1844	Maximally modular structure of growing hyperbolic networks. <i>Communications Physics</i> , 2023, 6, .	2.0	1
1845	Embedding and trajectories of temporal networks. <i>IEEE Access</i> , 2023, , 1-1.	2.6	0
1846	Identification of node rankings in temporal networks based on multilayer topological overlap coefficients. <i>Physica Scripta</i> , 0, , .	1.2	0
1847	A Network Science Perspective of Graph Convolutional Networks: A Survey. <i>IEEE Access</i> , 2023, 11, 39083-39122.	2.6	2
1848	Lyapunov exponents for temporal networks. <i>Physical Review E</i> , 2023, 107, .	0.8	1

#	ARTICLE	IF	CITATIONS
1851	A Review of Temporal Network Analysis and Applications. Smart Innovation, Systems and Technologies, 2023, , 1-10.	0.5	0
1858	Robustness Analysis for China's Airport Network Based on Multi-Layer Temporal Complex Network Model. , 2023, , .		0
1860	Do the Mittag-Leffler Functions Preserve the Properties of Their Matrix Arguments?. Springer INdAM Series, 2023, , 75-90.	0.4	0
1866	Types, representations, topologies, and predictions, and dynamic systems of temporal network: A review study. AIP Conference Proceedings, 2023, , .	0.3	0
1867	Prediction of infection disease by identifying critical nodes in temporal network using vector embedding. AIP Conference Proceedings, 2023, , .	0.3	0
1869	Cops & Robber on Periodic Temporal Graphs: Characterization and Improved Bounds. Lecture Notes in Computer Science, 2023, , 386-405.	1.0	0
1872	Locating multi-source in time-varying networks with label back spread. , 2023, , .		0
1886	Discovering Frequency Bursting Patterns in Temporal Graphs. , 2023, , .		0
1887	Significant Ties Graph Neural Networks for Continuous-Time Temporal Networks Modeling. , 2022, , .		1
1889	Using Motif Transitions for Temporal Graph Generation. , 2023, , .		1
1895	User migration prediction in blockchain socioeconomic networks using graph neural networks. , 2023, , .		1
1896	Modeling fake news infectious disease epidemics on temporal networks using anatomy of online networks: a review. , 2023, , .		0
1899	Optimal Walks in Contact Sequence Temporal Graphs with No Zero Duration Cycle. , 2023, , .		0
1909	Editorial: Patterns and processes in ecological networks over space. Frontiers in Ecology and Evolution, 0, 11, .	1.1	0
1913	A Maximum Flow Routing Algorithm for Multi-Unmanned Surface Vessel Networks. , 2023, , .		0
1915	Temporal Graph Representation Learning with Adaptive Augmentation Contrastive. Lecture Notes in Computer Science, 2023, , 683-699.	1.0	0
1916	Key Nodes Identification in Hypergraph Networks. , 2023, , .		0
1918	On Computing Optimal Temporal Branchings. Lecture Notes in Computer Science, 2023, , 103-117.	1.0	0

#	ARTICLE	IF	CITATIONS
1924	Forbidden Patterns in Temporal Graphs Resulting from Encounters in a Corridor. Lecture Notes in Computer Science, 2023, , 344-358.	1.0	0
1943	Fundamental Structures in Temporal Communication Networks. Computational Social Sciences, 2023, , 25-48.	0.4	1
1944	Information Diffusion Backbone. Computational Social Sciences, 2023, , 203-223.	0.4	0
1952	Continuous-Time Random Walks and Temporal Networks. Computational Social Sciences, 2023, , 225-239.	0.4	0
1955	Using Network Analysis to Detect Fake News in Social Media. , 2023, , .		0
1957	Attack Graph Based Security Metrics for Dynamic Networks. Lecture Notes in Computer Science, 2023, , 109-128.	1.0	0
1960	Visualisation of Structure and Processes on Temporal Networks. Computational Social Sciences, 2023, , 83-105.	0.4	0
1961	Challenges in Community Discovery on Temporal Networks. Computational Social Sciences, 2023, , 185-202.	0.4	0
1963	Bursty Time Series Analysis for Temporal Networks. Computational Social Sciences, 2023, , 165-183.	0.4	0
1964	Dynamics and Control of Stochastically Switching Networks: Beyond Fast Switching. Computational Social Sciences, 2023, , 275-311.	0.4	0
1966	Exploring Concurrency and Reachability in the Presence of High Temporal Resolution. Computational Social Sciences, 2023, , 131-147.	0.4	0
1967	Weighted Temporal Event Graphs and Temporal-Network Connectivity. Computational Social Sciences, 2023, , 107-130.	0.4	0
1968	Approximation Methods for Influence Maximization in Temporal Networks. Computational Social Sciences, 2023, , 357-380.	0.4	0
1969	A Map of Approaches to Temporal Networks. Computational Social Sciences, 2023, , 1-24.	0.4	0
1970	Supracentrality Analysis of Temporal Networks with Directed Interlayer Coupling. Computational Social Sciences, 2023, , 335-355.	0.4	0
1971	Metrics for Temporal Text Networks. Computational Social Sciences, 2023, , 149-164.	0.4	0
1972	The Effects of Local and Global Link Creation Mechanisms on Contagion Processes Unfolding on Time-Varying Networks. Computational Social Sciences, 2023, , 313-333.	0.4	0
1975	Analyzing the Influence of Social Media on the Personality Traits of IT Students. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1983	Approximating Temporal Networks from Aggregated Network Data. , 2023, , .		0
1994	GMTDC: A Graph Generation Method for Mosaic Warfare Dynamic Kill Web. , 2023, , .		0
1998	Time and Sequence in Networks of Social Interactions. Mathematics in Mind, 2023, , 229-253.	0.1	0
2001	Mission-oriented Resilience Evaluation Method for Multi-satellite TT&C System. , 2023, , .		0
2003	Influential Node Detection on Graph on Event Sequence. Studies in Computational Intelligence, 2024, , 147-158.	0.7	0
2006	DynamicScore: A Novel Metric for Quantifying Graph Dynamics. Studies in Computational Intelligence, 2024, , 435-444.	0.7	0
2007	Uniform Generation of Temporal Graphs with Given Degrees. Studies in Computational Intelligence, 2024, , 408-420.	0.7	0
2008	Travel Demand Models for Micro-Level Contact Network Modeling. Studies in Computational Intelligence, 2024, , 338-349.	0.7	0
2009	Higher-Order Temporal Network Prediction. Studies in Computational Intelligence, 2024, , 461-472.	0.7	0
2011	Analysis of node importance of satellite network based on triangular motif. , 2023, , .		0