

Finding community structure in networks using the eig

Physical Review E

74, 036104

DOI: [10.1103/physreve.74.036104](https://doi.org/10.1103/physreve.74.036104)

Citation Report

#	ARTICLE	IF	CITATIONS
1	LIMITED RESOLUTION AND MULTIREOLUTION METHODS IN COMPLEX NETWORK COMMUNITY DETECTION. Fluctuation and Noise Letters, 2007, 07, L209-L214.	1.0	33
2	Mixture models and exploratory analysis in networks. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9564-9569.	3.3	421
3	Identifying subcommunities using cohesive subgroups in social hypertext. , 2007, , .		9
4	Coexistence of opposite opinions in a network with communities. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P08026-P08026.	0.9	51
5	Module identification in bipartite and directed networks. Physical Review E, 2007, 76, 036102.	0.8	324
6	Topological structural classes of complex networks. Physical Review E, 2007, 75, 016103.	0.8	75
7	Unveiling community structures in weighted networks. Physical Review E, 2007, 76, 036101.	0.8	34
8	An information-theoretic framework for resolving community structure in complex networks. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7327-7331.	3.3	611
9	Limited resolution and multiresolution methods in complex network community detection. , 2007, , .		9
10	Near linear time algorithm to detect community structures in large-scale networks. Physical Review E, 2007, 76, 036106.	0.8	2,431
11	Maximum Likelihood Methods for Data Mining in Datasets Represented by Graphs. , 2007, , .		1
12	Modularity and community detection in bipartite networks. Physical Review E, 2007, 76, 066102.	0.8	545
13	An Algorithm to Find Overlapping Community Structure in Networks. Lecture Notes in Computer Science, 2007, , 91-102.	1.0	180
14	Graph clustering. Computer Science Review, 2007, 1, 27-64.	10.2	1,473
15	Predicting the connectivity of primate cortical networks from topological and spatial node properties. BMC Systems Biology, 2007, 1, 16.	3.0	65
16	An algorithm for modularization of MAPK and calcium signaling pathways: Comparative analysis among different species. Journal of Biomedical Informatics, 2007, 40, 726-749.	2.5	12
17	Limited resolution in complex network community detection with Potts model approach. European Physical Journal B, 2007, 56, 41-45.	0.6	140
18	Deterministic modularity optimization. European Physical Journal B, 2007, 60, 83-88.	0.6	42

#	ARTICLE	IF	CITATIONS
19	A class of improved algorithms for detecting communities in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 3327-3334.	1.2	17
20	On the equivalence of the label propagation method of community detection and a Potts model approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 4982-4984.	1.2	45
21	Detecting community structure in complex networks based on a measure of information discrepancy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1675-1682.	1.2	18
22	Adaptation to synchronization in phase-oscillator networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5631-5638.	1.2	4
23	Detecting the community structure in complex networks based on quantum mechanics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6215-6224.	1.2	15
24	Community structure in Congressional cosponsorship networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1705-1712.	1.2	125
25	Recursive filtration method for detecting community structure in networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6663-6670.	1.2	11
26	Community structure and modularity in networks of correlated brain activity. <i>Magnetic Resonance Imaging</i> , 2008, 26, 914-920.	1.0	78
27	Network topology of an experimental futures exchange. <i>European Physical Journal B</i> , 2008, 62, 105-111.	0.6	16
28	Topologies and Laplacian spectra of a deterministic uniform recursive tree. <i>European Physical Journal B</i> , 2008, 63, 507-513.	0.6	27
29	Modularity-maximizing graph communities via mathematical programming. <i>European Physical Journal B</i> , 2008, 66, 409-418.	0.6	267
30	Incorporating uncertainty into the study of animal social networks. <i>Animal Behaviour</i> , 2008, 75, 1809-1815.	0.8	142
31	A measure of centrality based on modularity matrix. <i>Progress in Natural Science: Materials International</i> , 2008, 18, 1043-1047.	1.8	25
32	A Fast Algorithm to Find Overlapping Communities in Networks. <i>Lecture Notes in Computer Science</i> , 2008, , 408-423.	1.0	116
33	Unveiling facebook. , 2008, , .		180
34	Fast unfolding of communities in large networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P10008.	0.9	12,786
35	Communicability in complex networks. <i>Physical Review E</i> , 2008, 77, 036111.	0.8	512
36	Communicability and multipartite structures in complex networks at negative absolute temperatures. <i>Physical Review E</i> , 2008, 78, 026102.	0.8	24

#	ARTICLE	IF	CITATIONS
37	A Scheme for Simplification of Entity Networks for Fusion of Unstructured Data. , 2008, , .		0
38	Towards a Model for Inferring Trust in Heterogeneous Social Networks. , 2008, , .		6
39	Scalable Community Discovery of Large Networks. , 2008, , .		12
40	Extracting community structure features for hypertext classification. , 2008, , .		1
41	Mining Large Networks with Subgraph Counting. , 2008, , .		49
42	Research on finding community structure based on filtration network model. , 2008, , .		0
43	Statistical approach for community mining in social networks. , 2008, , .		8
44	Modular networks and cumulative impact of lateral transfer in prokaryote genome evolution. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10039-10044.	3.3	366
45	Prominence and Control: The Weighted Rich-Club Effect. Physical Review Letters, 2008, 101, 168702.	2.9	279
46	Analysis of the structure of complex networks at different resolution levels. New Journal of Physics, 2008, 10, 053039.	1.2	400
47	Community Detection in Social Networks Employing Component Independency. , 2008, , .		0
48	Overlapping Community Detection in Bipartite Networks. , 2008, , .		30
49	EMERGENT COMMUNITY STRUCTURE IN SOCIAL TAGGING SYSTEMS. International Journal of Modeling, Simulation, and Scientific Computing, 2008, 11, 597-608.	0.9	28
50	Latent social structure in open source projects. , 2008, , .		204
51	A microscopic view on community detection in complex networks. , 2008, , .		5
52	A Scalable Multilevel Algorithm for Graph Clustering and Community Structure Detection. Lecture Notes in Computer Science, 2006, , 117-128.	1.0	23
53	Classifying networked entities with modularity kernels. , 2008, , .		10
54	Motif-based communities in complex networks. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 224001.	0.7	80

#	ARTICLE	IF	CITATIONS
55	Detecting groups of similar components in complex networks. <i>New Journal of Physics</i> , 2008, 10, 123023.	1.2	8
56	Spectral geometry for simultaneously clustering and ranking query search results. , 2008, , .		10
57	Community detection by signaling on complex networks. <i>Physical Review E</i> , 2008, 78, 016115.	0.8	63
58	Fuzzy communities and the concept of bridgeness in complex networks. <i>Physical Review E</i> , 2008, 77, 016107.	0.8	302
59	Identifying network communities with a high resolution. <i>Physical Review E</i> , 2008, 77, 016104.	0.8	163
60	Partition of networks into basins of attraction. <i>Physical Review E</i> , 2008, 78, 066111.	0.8	8
61	Rich-club vs rich-multipolarization phenomena in weighted networks. <i>Physical Review E</i> , 2008, 78, 026101.	0.8	37
62	Betweenness centrality in a weighted network. <i>Physical Review E</i> , 2008, 77, 046105.	0.8	111
63	Comparative definition of community and corresponding identifying algorithm. <i>Physical Review E</i> , 2008, 78, 026121.	0.8	76
64	Multicommunity weight-driven bipartite network model. <i>Physical Review E</i> , 2008, 78, 026103.	0.8	11
65	Adaptive clustering algorithm for community detection in complex networks. <i>Physical Review E</i> , 2008, 78, 046115.	0.8	54
66	Bicomponents and the Robustness of Networks to Failure. <i>Physical Review Letters</i> , 2008, 100, 138701.	2.9	41
67	Spatial Scan Statistics for Graph Clustering. , 2008, , .		29
68	Social networks in arid Australia: a review of concepts and evidence. <i>Rangeland Journal</i> , 2008, 30, 167.	0.4	37
69	Identification and Analysis of Co-Occurrence Networks with NetCutter. <i>PLoS ONE</i> , 2008, 3, e3178.	1.1	20
70	Structure and Dynamics of Research Collaboration in Computer Science. , 2009, , .		17
71	Regional Trade Agreements and the Pattern of Trade: A Networks Approach. <i>SSRN Electronic Journal</i> , 2009, , .	0.4	4
72	Iterated tabu search for identifying community structure in complex networks. <i>Physical Review E</i> , 2009, 80, 026130.	0.8	34

#	ARTICLE	IF	CITATIONS
73	Reinforced communication and social navigation generate groups in model networks. Physical Review E, 2009, 79, 026111.	0.8	22
74	Simple probabilistic algorithm for detecting community structure. Physical Review E, 2009, 79, 036111.	0.8	57
75	Dynamic communities in multichannel data: An application to the foreign exchange market during the 2007â€“2008 credit crisis. Chaos, 2009, 19, 033119.	1.0	64
76	Visualization of communities in networks. Chaos, 2009, 19, 041104.	1.0	25
77	Monitoring, recognizing and discovering social networks. , 2009, , .		41
78	Modularity clustering is force-directed layout. Physical Review E, 2009, 79, 026102.	0.8	159
79	Similarity index based on local paths for link prediction of complex networks. Physical Review E, 2009, 80, 046122.	0.8	470
80	Detecting network communities by propagating labels under constraints. Physical Review E, 2009, 80, 026129.	0.8	288
81	Spectral analysis of deformed random networks. Physical Review E, 2009, 80, 046101.	0.8	24
82	Spectral tripartitioning of networks. Physical Review E, 2009, 80, 036111.	0.8	61
83	Spectral clustering for detecting protein complexes in PPI networks. , 2009, , .		0
84	Detecting communities in networks by merging cliques. , 2009, , .		23
85	Implementation and Research of Social CRM in Mobile BOSS Based on Complex Network. , 2009, , .		4
86	An Improved Spectral Clustering Algorithm for Community Discovery. , 2009, , .		15
87	Discovery and Visualization of Hierarchical Overlapping Communities from Bibliography Information. , 2009, , .		5
88	Systematic Classification of Primary Immunodeficiencies Based on Clinical, Pathological, and Laboratory Parameters. Journal of Immunology, 2009, 183, 7569-7575.	0.4	28
89	Deciphering Transcriptional and Metabolic Networks Associated with Lysine Metabolism during Arabidopsis Seed Development Â Â Â. Plant Physiology, 2009, 151, 2058-2072.	2.3	89
90	Scalable learning of collective behavior based on sparse social dimensions. , 2009, , .		156

#	ARTICLE	IF	CITATIONS
91	Relational learning via latent social dimensions. , 2009, , .		503
92	Proteins as Networks: A Mesoscopic Approach Using Haemoglobin Molecule as Case Study. Current Proteomics, 2009, 6, 235-245.	0.1	43
93	Common Neighborhood Sub-graph Density as a Similarity Measure for Community Detection. Lecture Notes in Computer Science, 2009, , 175-184.	1.0	6
94	Close & closer. , 2009, , .		21
95	Enhance the efficiency of heuristic algorithms for maximizing the modularity Q. Europhysics Letters, 2009, 85, 18009.	0.7	6
96	Universal dynamics on complex networks. Europhysics Letters, 2009, 87, 18006.	0.7	4
97	Characterization of subgraph relationships and distribution in complex networks. New Journal of Physics, 2009, 11, 013058.	1.2	12
98	Community Detection on Weighted Networks: A Variational Bayesian Method. Lecture Notes in Computer Science, 2009, , 176-190.	1.0	6
99	A preliminary investigation on the topology of Chinese climate networks. Chinese Physics B, 2009, 18, 5091-5096.	0.7	15
100	An Efficient Algorithm for Overlapping Community Detection in Complex Networks. , 2009, , .		8
101	CLUSTERING ALGORITHMS FOR DETECTING FUNCTIONAL MODULES IN PROTEIN INTERACTION NETWORKS. Journal of Bioinformatics and Computational Biology, 2009, 07, 217-242.	0.3	32
102	Social cohesion in a hierarchically structured embayment population of Indo-Pacific bottlenose dolphins. Animal Behaviour, 2009, 77, 1449-1457.	0.8	107
103	A global map of science based on the ISI subject categories. Journal of the Association for Information Science and Technology, 2009, 60, 348-362.	2.6	386
104	A clustering–based semi–automated technique to build cultural ontologies. Journal of the Association for Information Science and Technology, 2009, 60, 608-620.	2.6	6
105	The delineation of an interdisciplinary specialty in terms of a journal set: The case of communication studies. Journal of the Association for Information Science and Technology, 2009, 60, 1709-1718.	2.6	53
106	Content–based and algorithmic classifications of journals: Perspectives on the dynamics of scientific communication and indexer effects. Journal of the Association for Information Science and Technology, 2009, 60, 1823-1835.	2.6	132
107	A fast and efficient heuristic algorithm for detecting community structures in complex networks. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2741-2749.	1.2	49
108	Graph nodes clustering with the sigmoid commute-time kernel: A comparative study. Data and Knowledge Engineering, 2009, 68, 338-361.	2.1	62

#	ARTICLE	IF	CITATIONS
109	Organizational and dynamical aspects of a small network with two distinct communities: Neo-creationists vs. Evolution Defenders. <i>Scientometrics</i> , 2009, 80, 457-472.	1.6	11
110	Detecting Overlapping Community Structures in Networks. <i>World Wide Web</i> , 2009, 12, 235-261.	2.7	46
111	The Naming Game in social networks: community formation and consensus engineering. <i>Journal of Economic Interaction and Coordination</i> , 2009, 4, 221-235.	0.4	83
112	Detecting community structure in networks by representative energy. <i>Frontiers of Computer Science</i> , 2009, 3, 366-372.	0.6	0
113	Socially inspired search and ranking in mobile social networking: concepts and challenges. <i>Frontiers of Computer Science</i> , 2009, 3, 435-444.	0.6	3
114	The emergence of unshared consensus decisions in bottlenose dolphins. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 1067-1077.	0.6	90
115	Respondent-driven sampling as Markov chain Monte Carlo. <i>Statistics in Medicine</i> , 2009, 28, 2202-2229.	0.8	137
116	Universal partitioning of the hierarchical fold network of 50-residue segments in proteins. <i>BMC Structural Biology</i> , 2009, 9, 34.	2.3	0
117	Dopamine-modulated dynamic cell assemblies generated by the GABAergic striatal microcircuit. <i>Neural Networks</i> , 2009, 22, 1174-1188.	3.3	117
118	Detect overlapping and hierarchical community structure in networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1706-1712.	1.2	626
119	Eigenvectors of network complement reveal community structure more accurately. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1721-1730.	1.2	23
120	The detection of community structure in network via an improved spectral method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 3268-3272.	1.2	15
121	Communities, knowledge creation, and information diffusion. <i>Journal of Informetrics</i> , 2009, 3, 180-190.	1.4	125
122	Communicability graph and community structures in complex networks. <i>Applied Mathematics and Computation</i> , 2009, 214, 500-511.	1.4	62
123	QSAR and complex network study of the chiral HMGR inhibitor structural diversity. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 165-175.	1.4	24
124	Detection of node group membership in networks with group overlap. <i>European Physical Journal B</i> , 2009, 67, 277-284.	0.6	40
125	Predicting missing links via local information. <i>European Physical Journal B</i> , 2009, 71, 623-630.	0.6	1,277
126	Multiresolution community detection for megascale networks by information-based replica correlations. <i>Physical Review E</i> , 2009, 80, 016109.	0.8	179

#	ARTICLE	IF	CITATIONS
127	Improved community structure detection using a modified fine-tuning strategy. Europhysics Letters, 2009, 86, 28004.	0.7	103
128	Finding Overlapping Communities Using Disjoint Community Detection Algorithms. Studies in Computational Intelligence, 2009, , 47-61.	0.7	49
129	Generating Realistic <i>In Silico</i> Gene Networks for Performance Assessment of Reverse Engineering Methods. Journal of Computational Biology, 2009, 16, 229-239.	0.8	356
130	Research impact within the international arid literature: An Australian perspective based on network theory. Journal of Arid Environments, 2009, 73, 862-871.	1.2	2
131	Detecting Community Structure of Complex Networks by Simulated Annealing with Optimal Prediction. , 2009, , .		0
132	A Survey of Statistical Network Models. Foundations and Trends in Machine Learning, 2009, 2, 129-233.	46.6	489
133	A Comparison of Community Detection Algorithms on Artificial Networks. Lecture Notes in Computer Science, 2009, , 242-256.	1.0	62
134	Research and Evaluation on Modularity Modeling in Community Detecting of Complex Network Based on Information Entropy. , 2009, , .		4
135	Complex eigenvectors of network matrices give better insight into the community structure. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P10018.	0.9	10
136	Community detection in networks with positive and negative links. Physical Review E, 2009, 80, 036115.	0.8	329
138	A nonparametric view of network models and Newman's Girvan and other modularities. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21068-21073.	3.3	449
139	Modeling a Store's Product Space as a Social Network. , 2009, , .		13
140	Community Detection in Large-Scale Bipartite Networks. , 2009, , .		42
141	Spectral Characterization of Network Structures and Dynamics. , 2009, , 117-132.		11
142	Community Structure in Large Networks: Natural Cluster Sizes and the Absence of Large Well-Defined Clusters. Internet Mathematics, 2009, 6, 29-123.	0.7	1,246
143	Detecting dynamic communities in opportunistic networks. , 2009, , .		3
144	Size Matters: Variation in Personal Network Size, Personality and Effect on Information Transmission. , 2009, , .		13
145	EigenSpokes: Surprising Patterns and Scalable Community Chipping in Large Graphs. , 2009, , .		16

#	ARTICLE	IF	CITATIONS
146	Relative evaluation of partition algorithms for complex networks. , 2009, , .		1
147	Structure of Heterogeneous Networks. , 2009, , .		12
148	Modularity and robustness of bone networks. Molecular BioSystems, 2009, 5, 255.	2.9	25
149	Uncovering Groups via Heterogeneous Interaction Analysis. , 2009, , .		90
150	Detecting Communities in Large Networks by Iterative Local Expansion. , 2009, , .		33
151	Role of weak ties in link prediction of complex networks. , 2009, , .		35
152	Community structure in networks of functional connectivity: Resolving functional organization in the rat brain with pharmacological MRI. NeuroImage, 2009, 47, 302-311.	2.1	52
153	Flow Mapping and Multivariate Visualization of Large Spatial Interaction Data. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1041-1048.	2.9	179
154	Extending the definition of modularity to directed graphs with overlapping communities. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P03024.	0.9	296
155	Modeling and verifying a broad array of network properties. Europhysics Letters, 2009, 86, 28003.	0.7	20
156	Detecting Communities in Social Networks using Max-Min Modularity. , 2009, , .		61
157	A survey of current software for network analysis in molecular biology. Human Genomics, 2010, 4, 353.	1.4	160
158	Line graphs of weighted networks for overlapping communities. European Physical Journal B, 2010, 77, 265-272.	0.6	106
159	Fuzzy modularity and fuzzy community structure in networks. European Physical Journal B, 2010, 77, 547-557.	0.6	49
160	Optimizing modularity to identify semantic orientation of Chinese words. Expert Systems With Applications, 2010, 37, 5094-5100.	4.4	9
161	Communities in Italian corporate networks. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5247-5258.	1.2	63
162	Detecting community structure: From parsimony to weighted parsimony. Journal of Systems Science and Complexity, 2010, 23, 1024-1036.	1.6	2
163	A centrality measure based on spectral optimization of modularity density. Science China Information Sciences, 2010, 53, 1727-1737.	2.7	5

#	ARTICLE	IF	CITATIONS
164	Orthogonal nonnegative learning for sparse feature extraction and approximate combinatorial optimization. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2010, 5, 261-273.	0.6	4
165	CAS based clustering algorithm for Web users. <i>Nonlinear Dynamics</i> , 2010, 61, 347-361.	2.7	17
166	Optimizing an organized modularity measure for topographic graph clustering: A deterministic annealing approach. <i>Neurocomputing</i> , 2010, 73, 1142-1163.	3.5	23
167	On the Stability of Community Detection Algorithms on Longitudinal Citation Data. <i>Procedia, Social and Behavioral Sciences</i> , 2010, 4, 26-37.	0.5	5
168	NeMo: Network Module identification in Cytoscape. <i>BMC Bioinformatics</i> , 2010, 11, S61.	1.2	104
169	The function of communities in protein interaction networks at multiple scales. <i>BMC Systems Biology</i> , 2010, 4, 100.	3.0	79
170	Determining the community structure of the coral <i>Seriatopora hystrix</i> from hydrodynamic and genetic networks. <i>Ecological Modelling</i> , 2010, 221, 2870-2880.	1.2	32
171	Improvements of network approach for analysis of the folding free energy surface of peptides and proteins. <i>Journal of Computational Chemistry</i> , 2010, 31, 2502-2509.	1.5	10
172	Spectral clustering for detecting protein complexes in protein-protein interaction (PPI) networks. <i>Mathematical and Computer Modelling</i> , 2010, 52, 2066-2074.	2.0	38
173	Grouping time series by pairwise measures of redundancy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4040-4044.	0.9	13
174	Community detection in graphs. <i>Physics Reports</i> , 2010, 486, 75-174.	10.3	8,128
175	Community structure of the physical review citation network. <i>Journal of Informetrics</i> , 2010, 4, 278-290.	1.4	131
176	Semi-supervised clustering algorithm for community structure detection in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 187-197.	1.2	122
177	Statistical properties of weighted complex networks characterized by metaweights. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1265-1272.	1.2	2
178	Statistical properties of agent-based models in markets with continuous double auction mechanism. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1699-1707.	1.2	21
179	Structure profile of complex networks by a model of precipitation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2318-2324.	1.2	0
180	Finding communities in directed networks by PageRank random walk induced network embedding. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2443-2454.	1.2	34
181	Detecting community structure in complex networks via node similarity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2849-2857.	1.2	146

#	ARTICLE	IF	CITATIONS
182	Detecting overlapping communities of weighted networks via a local algorithm. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 4177-4187.	1.2	105
183	Fuzzy analysis of community detection in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 5319-5327.	1.2	16
184	Sampling networks by the union of m shortest path trees. <i>Computer Networks</i> , 2010, 54, 1042-1053.	3.2	3
185	Universal fractal scaling of self-organized networks. <i>Nature Precedings</i> , 2010, , .	0.1	0
186	Community Detection in Large-scale Bipartite Networks. <i>Transactions of the Japanese Society for Artificial Intelligence</i> , 2010, 25, 16-24.	0.1	23
187	Structure and Evolution of Scientific Collaboration Networks in a Modern Research Collaboratory. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
188	Validation of Coevolving Residue Algorithms via Pipeline Sensitivity Analysis: ELSC and OMES and ZNMI, Oh My!. <i>PLoS ONE</i> , 2010, 5, e10779.	1.1	31
189	Optimizing Topological Cascade Resilience Based on the Structure of Terrorist Networks. <i>PLoS ONE</i> , 2010, 5, e13448.	1.1	29
190	Infer the Semantic Orientation of Words by Optimizing Modularity. <i>Journal of Computer and Information Science</i> , 2010, 3, .	0.2	1
191	Toward Finding Hidden Communities Based on User Profile. , 2010, , .		31
192	A fast and reasonable method for community detection with adjustable extent of overlapping. , 2010, , .		1
193	Identity-by-Descent Matrix Decomposition Using Latent Ancestral Allele Models. <i>Genetics</i> , 2010, 185, 1045-1057.	1.2	17
194	Detecting Overlapping Communities Based on Community Cores in Complex Networks. <i>Chinese Physics Letters</i> , 2010, 27, 058901.	1.3	16
195	A Unifying Modularity in Networks. <i>Chinese Physics Letters</i> , 2010, 27, 128901.	1.3	0
196	Cluster Cores and Modularity Maximization. , 2010, , .		11
197	Structure and Response in the World Trade Network. <i>Physical Review Letters</i> , 2010, 105, 198701.	2.9	68
198	Hardware computing for brain network analysis. , 2010, , .		7
199	Incremental Detection of Local Community Structure. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
200	Performance evaluation of a community structure finding algorithm using modularity and C-rand measures. , 2010, , .		1
201	Group Level Activity Recognition in Crowded Environments across Multiple Cameras. , 2010, , .		38
202	Graph Comparison Using Fine Structure Analysis. , 2010, , .		30
203	Finding overlapping communities in networks by label propagation. New Journal of Physics, 2010, 12, 103018.	1.2	709
204	Toward signal processing theory for graphs and non-Euclidean data. , 2010, , .		39
205	Social Network Approach to Analysis of Soccer Game. , 2010, , .		3
206	Effective Clustering of Dense and Concentrated Online Communities. , 2010, , .		3
207	Partitioning networks into clusters and residuals with average association. Chaos, 2010, 20, 033103.	1.0	6
208	Optimal transport on supply-demand networks. Physical Review E, 2010, 81, 066105.	0.8	11
209	Enhanced modularity-based community detection by random walk network preprocessing. Physical Review E, 2010, 81, 066118.	0.8	56
210	Functional Modularity of Background Activities in Normal and Epileptic Brain Networks. Physical Review Letters, 2010, 104, 118701.	2.9	215
211	Evaluating Community Structure in Bipartite Networks. , 2010, , .		4
212	Identifying abnormal nodes in complex networks by using random walk measure. , 2010, , .		2
213	Stability of graph communities across time scales. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12755-12760.	3.3	358
214	Link prediction based on local random walk. Europhysics Letters, 2010, 89, 58007.	0.7	440
215	EIGENVECTOR LOCALIZATION AS A TOOL TO STUDY SMALL COMMUNITIES IN ONLINE SOCIAL NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2010, 13, 699-723.	0.9	9
216	Manufacturing consent. , 2010, , .		9
217	A new algorithm for detecting community in complex supply network. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
218	Link prediction using probabilistic group models of network structure. , 2010, , .		5
219	GLayer: community structure analysis of biological networks. <i>Bioinformatics</i> , 2010, 26, 3135-3137.	1.8	241
220	Communities in multislice voting networks. <i>Chaos</i> , 2010, 20, 041108.	1.0	48
221	A Network Perspective on Metabolism and Aging. <i>Integrative and Comparative Biology</i> , 2010, 50, 844-854.	0.9	94
222	Specialization Can Drive the Evolution of Modularity. <i>PLoS Computational Biology</i> , 2010, 6, e1000719.	1.5	160
223	EigenSpokes: Surprising Patterns and Scalable Community Chipping in Large Graphs. <i>Lecture Notes in Computer Science</i> , 2010, , 435-448.	1.0	89
224	Hierarchical role classification based on social behavior analysis. , 2010, , .		2
225	Eigenspaces of networks reveal the overlapping and hierarchical community structure more precisely. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P08012.	0.9	15
226	Sampling community structure. , 2010, , .		115
227	Stability of maximum-likelihood-based clustering methods: exploring the backbone of classifications. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P04028.	0.9	5
228	Coarse-grained diffusion distance for community structure detection in complex networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P12030.	0.9	4
229	Identifying the borders of mathematical knowledge. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 325202.	0.7	12
230	Extracting weights from edge directions to find communities in directed networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P06003.	0.9	11
231	Finding Closely Communicating Community Based on Ant Colony Clustering Model. , 2010, , .		9
232	Managing and Mining Graph Data. <i>The Kluwer International Series on Advances in Database Systems</i> , 2010, , .	1.1	286
233	Community Detection and Mining in Social Media. <i>Synthesis Lectures on Data Mining and Knowledge Discovery</i> , 2010, 2, 1-137.	0.5	200
234	Graph Mining Applications to Social Network Analysis. <i>The Kluwer International Series on Advances in Database Systems</i> , 2010, , 487-513.	1.1	66
235	Network analyses structure genetic diversity in independent genetic worlds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 127-132.	3.3	265

#	ARTICLE	IF	CITATIONS
236	Community evolution detection in dynamic heterogeneous information networks. , 2010, , .		60
237	Evaluating the Quality of Clustering Algorithms Using Cluster Path Lengths. Lecture Notes in Computer Science, 2010, , 42-56.	1.0	8
238	Efficient Parallel Subgraph Counting Using G-Tries. , 2010, , .		17
239	Measuring the significance of community structure in complex networks. Physical Review E, 2010, 82, 066106.	0.8	24
240	Spectral graph analysis of modularity and assortativity. Physical Review E, 2010, 82, 056113.	0.8	43
241	Privacy assurance in mobile sensing networks: Go beyond trusted servers. , 2010, , .		7
242	Covariance, correlation matrix, and the multiscale community structure of networks. Physical Review E, 2010, 82, 016114.	0.8	46
243	Toward Predicting Collective Behavior via Social Dimension Extraction. IEEE Intelligent Systems, 2010, 25, 19-25.	4.0	54
244	A formal analysis of cytokine networks in Chronic Fatigue Syndrome. Brain, Behavior, and Immunity, 2010, 24, 1209-1217.	2.0	187
245	A Genetic Algorithm Based on Modularity Density for Detecting Community Structure in Complex Networks. , 2010, , .		8
246	Graph-theory based parcellation of functional subunits in the brain from resting-state fMRI data. NeuroImage, 2010, 50, 1027-1035.	2.1	184
247	Detecting community structure in complex networks using simulated annealing with -means algorithms. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2300-2309.	1.2	62
248	Making Human Connectome Faster: GPU Acceleration of Brain Network Analysis. , 2010, , .		6
249	Community Structure in Time-Dependent, Multiscale, and Multiplex Networks. Science, 2010, 328, 876-878.	6.0	1,655
250	Linear and Nonlinear Projective Nonnegative Matrix Factorization. IEEE Transactions on Neural Networks, 2010, 21, 734-749.	4.8	219
251	Meerkat: Community Mining with Dynamic Social Networks. , 2010, , .		14
252	COMPLEX NETWORKS: NEW TRENDS FOR THE ANALYSIS OF BRAIN CONNECTIVITY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1677-1686.	0.7	33
253	A Hierarchical Diffusion Algorithm for Community Detection in Social Networks. , 2010, , .		13

#	ARTICLE	IF	CITATIONS
254	Numerical Simulation Research of NOx Emissions Characteristic of Vehicle Engine Fueled with LPG. , 2010, , .		0
255	Interactive Visual Analysis of Hierarchical Enterprise Data. , 2010, , .		4
256	Subjective Document Classification Using Network Analysis. , 2010, , .		6
257	Community detection via semi-synchronous label propagation algorithms. , 2010, , .		64
258	Spectral methods for the detection of network community structure: a comparative analysis. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P10020.	0.9	70
259	Finding Rare Patterns with Weak Correlation Constraint. , 2010, , .		6
260	Anonymizing Graphs Against Weight-Based Attacks. , 2010, , .		25
261	Evaluating the importance of nodes in complex networks based on principal component analysis and grey relational analysis. , 2011, , .		2
262	Sociotechnical coordination and collaboration in open source software. , 2011, , .		27
263	Regularized modularity eigenmap for community discovery with side information. , 2011, , .		1
264	Impact of social structure on forwarding algorithms in opportunistic networks. , 2011, , .		9
265	Topic Tracking Based on Event Network. , 2011, , .		2
266	NAVIGaTOR: Large Scalable and Interactive Navigation and Analysis of Large Graphs. Internet Mathematics, 2011, 7, 314-347.	0.7	13
267	Anomalous subgraph detection via Sparse Principal Component Analysis. , 2011, , .		12
268	Generalized Louvain method for community detection in large networks. , 2011, , .		169
269	Enrichment and aggregation of topological motifs are independent organizational principles of integrated interaction networks. Molecular BioSystems, 2011, 7, 2769.	2.9	15
270	k-dense communities in the internet AS-level topology. , 2011, , .		8
271	On the generation of stable communities of users for dynamic mobile ad hoc social networks. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
272	Detecting Community Kernels in Large Social Networks. , 2011, , .		45
273	Community detection using a neighborhood strength driven Label Propagation Algorithm. , 2011, , .		100
274	Finding Community Structure in Complex Networks Using Parallel Approach. , 2011, , .		5
275	Active learning for node classification in assortative and disassortative networks. , 2011, , .		25
276	Collaboration and cooperation in a tourism destination: a network science approach. Current Issues in Tourism, 2011, 14, 183-189.	4.6	133
277	Efficient and principled method for detecting communities in networks. Physical Review E, 2011, 84, 036103.	0.8	268
278	Detection of Human Groups in Videos. Lecture Notes in Computer Science, 2011, , 507-518.	1.0	4
279	Exploring the structural regularities in networks. Physical Review E, 2011, 84, 056111.	0.8	55
280	Link prediction. , 2011, , .		44
281	Matched filtering for subgraph detection in dynamic networks. , 2011, , .		15
282	Comparing Community Structure to Characteristics in Online Collegiate Social Networks. SIAM Review, 2011, 53, 526-543.	4.2	315
283	Fast Community Detection Algorithm with GPUs and Multicore Architectures. , 2011, , .		44
284	Integrating Sensors and Social Networks. , 2011, , 379-412.		49
285	Discovering Community Structures and Dynamical Networks from Grain-Scale Kinematics of Shear Bands in Sand. Springer Series in Geomechanics and Geoengineering, 2011, , 67-73.	0.0	1
286	Weight-conserving characterization of complex functional brain networks. NeuroImage, 2011, 56, 2068-2079.	2.1	774
287	A Shapley Value-Based Approach to Discover Influential Nodes in Social Networks. IEEE Transactions on Automation Science and Engineering, 2011, 8, 130-147.	3.4	272
288	Predicting the Political Alignment of Twitter Users. , 2011, , .		295
289	Link prediction in complex networks: A local naïve Bayes model. Europhysics Letters, 2011, 96, 48007.	0.7	183

#	ARTICLE	IF	CITATIONS
290	Community detection based on network communicability. <i>Chaos</i> , 2011, 21, 016103.	1.0	29
291	An Introduction to Social Network Data Analytics. , 2011, , 1-15.		153
292	Multilevel local search algorithms for modularity clustering. <i>Journal of Experimental Algorithmics</i> , 2011, 16, .	0.7	82
293	Network-Based Tools for the Identification of Novel Drug TargetsAdapted from the opening presentation at the International Conference on Systems Biology of Human Disease (SBHD) in Boston, Massachusetts, 16 to 18 June 2010.. <i>Science Signaling</i> , 2011, 4, pt3.	1.6	64
294	Random digraphs with given expected degree sequences: A model for economic networks. <i>Journal of Economic Behavior and Organization</i> , 2011, 78, 396-411.	1.0	30
295	Youth co-offending networks: An investigation of social and spatial effects. <i>Social Networks</i> , 2011, , .	1.3	13
296	Dissecting functional connectivity of neuronal microcircuits: experimental and theoretical insights. <i>Trends in Neurosciences</i> , 2011, 34, 225-236.	4.2	159
297	Performance of an Ensemble Clustering Algorithm on Biological Data Sets. <i>Mathematical and Computational Applications</i> , 2011, 16, 87-96.	0.7	6
298	Social Structure of Facebook Networks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	28
299	Cardiac and Respiratory Patterns Synchronize between Persons during Choir Singing. <i>PLoS ONE</i> , 2011, 6, e24893.	1.1	170
300	Finding and Testing Network Communities by Lumped Markov Chains. <i>PLoS ONE</i> , 2011, 6, e27028.	1.1	50
301	Comparing networks using their fine structure. <i>International Journal of Social Computing and Cyber-Physical Systems</i> , 2011, 1, 79.	0.1	9
302	The method of moments and degree distributions for network models. <i>Annals of Statistics</i> , 2011, 39, .	1.4	129
303	Discovering Network Structure Beyond Communities. <i>Scientific Reports</i> , 2011, 1, 151.	1.6	15
304	Sampling Graphs with a Prescribed Joint Degree Distribution Using Markov Chains. , 2011, , 151-163.		5
305	Geography, Graph Theory, and the New Network Science. <i>Geographical Analysis</i> , 2011, 43, 345-346.	1.9	3
306	Community Evolution Mining in Dynamic Social Networks. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 22, 49-58.	0.5	67
307	A new clustering method and its application in social networks. <i>Pattern Recognition Letters</i> , 2011, 32, 2109-2118.	2.6	32

#	ARTICLE	IF	CITATIONS
308	A validity index approach for network partitions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 3579-3591.	1.2	1
309	Universal fractal scaling of self-organized networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 3608-3613.	1.2	42
310	The effect of hub nodes on the community structure in scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4027-4033.	1.2	10
311	On the concepts of complex networks to quantify the difficulty in finding the way out of labyrinths. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4673-4683.	1.2	13
312	Grouping and fission–fusion dynamics in Australian snubfin and Indo-Pacific humpback dolphins. <i>Animal Behaviour</i> , 2011, 82, 1423-1433.	0.8	75
313	Network-Based Functional Regions. <i>Environment and Planning A</i> , 2011, 43, 2723-2741.	2.1	75
314	Robust network community detection using balanced propagation. <i>European Physical Journal B</i> , 2011, 81, 353-362.	0.6	148
315	Detecting hidden spatial and spatio-temporal structures in glasses and complex physical systems by multiresolution network clustering. <i>European Physical Journal E</i> , 2011, 34, 105.	0.7	57
316	Leveraging social media networks for classification. <i>Data Mining and Knowledge Discovery</i> , 2011, 23, 447-478.	2.4	262
317	Towards hierarchical context: unfolding visual community potential for interactive video retrieval. <i>Multimedia Tools and Applications</i> , 2011, 55, 151-178.	2.6	2
318	Market basket analysis with networks. <i>Social Network Analysis and Mining</i> , 2011, 1, 97-113.	1.9	64
319	Generalizing unweighted network measures to capture the focus in interactions. <i>Social Network Analysis and Mining</i> , 2011, 1, 255-269.	1.9	15
320	Detecting Communities in K-Partite K-Uniform (Hyper)Networks. <i>Journal of Computer Science and Technology</i> , 2011, 26, 778-791.	0.9	12
321	A classification for community discovery methods in complex networks. <i>Statistical Analysis and Data Mining</i> , 2011, 4, 512-546.	1.4	263
322	Detecting communities of triangles in complex networks using spectral optimization. <i>Computer Communications</i> , 2011, 34, 629-634.	3.1	31
323	Spectral methods for graph clustering – A survey. <i>European Journal of Operational Research</i> , 2011, 211, 221-231.	3.5	164
324	Link prediction in complex networks: A survey. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1150-1170.	1.2	2,047
325	Extracting the mesoscopic structure from heterogeneous systems. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
326	A heterogeneous accelerator platform for multi-subject voxel-based brain network analysis. , 2011, , .		3
327	Map equation for link communities. Physical Review E, 2011, 84, 026110.	0.8	63
328	Comment on "Evolutionary method for finding communities in bipartite networks": Physical Review E, 2011, 84, 058101.	0.8	8
329	Cascaded failures in weighted networks. Physical Review E, 2011, 84, 046114.	0.8	139
330	Improving community detection in networks by targeted node removal. Physical Review E, 2011, 83, 016114.	0.8	14
331	Evolutionary method for finding communities in bipartite networks. Physical Review E, 2011, 83, 066120.	0.8	31
332	The Brain as a Complex System: Using Network Science as a Tool for Understanding the Brain. Brain Connectivity, 2011, 1, 295-308.	0.8	225
333	Tripartite community structure in social bookmarking data. New Review of Hypermedia and Multimedia, 2011, 17, 267-294.	0.9	3
334	Clustering drives assortativity and community structure in ensembles of networks. Physical Review E, 2011, 84, 066117.	0.8	46
335	Community detection in graphs using singular value decomposition. Physical Review E, 2011, 83, 046114.	0.8	57
336	Penalized versions of the Newman-Girvan modularity and their relation to normalized cuts and k -means clustering. Physical Review E, 2011, 84, 016108.	0.8	31
337	Core/periphery structure versus clustering in international weblogs. , 2011, , .		0
338	A Geometric Approach to Robustness in Complex Networks. , 2011, , .		4
339	Photobook creation and social sharing on facebook. , 2011, , .		2
340	A Random Network Ensemble Model Based Generalized Network Community Mining Algorithm. , 2011, , .		0
341	Locally optimal heuristic for modularity maximization of networks. Physical Review E, 2011, 83, 056105.	0.8	36
342	Unfolding communities in large complex networks: Combining defensive and offensive label propagation for core extraction. Physical Review E, 2011, 83, 036103.	0.8	177
343	Parameterized centrality metric for network analysis. Physical Review E, 2011, 83, 066118.	0.8	36

#	ARTICLE	IF	CITATIONS
344	Stochastic Competitive Learning Applied to Handwritten Digit and Letter Clustering. , 2011, , .		1
345	Coarse graining the dynamics of heterogeneous oscillators in networks with spectral gaps. Physical Review E, 2011, 84, 036708.	0.8	11
346	Spike-Train Communities: Finding Groups of Similar Spike Trains. Journal of Neuroscience, 2011, 31, 2321-2336.	1.7	73
347	The interaction between multiplex community networks. Chaos, 2011, 21, 016104.	1.0	14
348	Optimal random search for a single hidden target. Physical Review E, 2011, 83, 011105.	0.8	11
349	Extracting hierarchies with overlapping structure from network data. , 2011, , .		0
350	Tracking changes in dynamic information networks. , 2011, , .		35
351	A Semantic and Multidisciplinary Model for Professional and Social Networks Analysis. , 2011, , .		2
352	Detecting Link Communities in Massive Networks. , 2011, , .		5
353	Non-traditional spectral clustering algorithms for the detection of community structure in complex networks: a comparative analysis. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P05012.	0.9	8
354	Identifying and Characterizing Nodes Important to Community Structure Using the Spectrum of the Graph. PLoS ONE, 2011, 6, e27418.	1.1	39
355	Community extraction for social networks. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7321-7326.	3.3	123
356	Computational network analysis of the anatomical and genetic organizations in the mouse brain. Bioinformatics, 2011, 27, 3293-3299.	1.8	15
357	Characterizing Modularity, Hierarchy and Module Interfacing in Complex Design Systems. , 2011, , .		7
358	Self-adaptive relay station selection algorithm in cooperative communication. , 2011, , .		0
359	Networks of Gene Sharing among 329 Proteobacterial Genomes Reveal Differences in Lateral Gene Transfer Frequency at Different Phylogenetic Depths. Molecular Biology and Evolution, 2011, 28, 1057-1074.	3.5	147
360	Emergence of Persistent Networks in Long-Term Intracranial EEG Recordings. Journal of Neuroscience, 2011, 31, 15757-15767.	1.7	125
361	Uncovering space-independent communities in spatial networks. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7663-7668.	3.3	274

#	ARTICLE	IF	CITATIONS
362	LORA: Link Obfuscation by Randomization in Graphs. Lecture Notes in Computer Science, 2011, , 33-51.	1.0	2
363	Network Community Detection Based on Co-Neighbor Modularity Matrix with Spectral Clustering. Applied Mechanics and Materials, 0, 55-57, 1237-1241.	0.2	1
365	An algorithm for detecting overlapping community structure in complex networks. , 2011, , .		0
366	A New Analysis Method for Simulations Using Node Categorizations. , 2011, , .		1
367	Modeling Socialness in Dynamic Social Networks. , 2011, , .		0
368	The Ubiquity of Small-World Networks. Brain Connectivity, 2011, 1, 367-375.	0.8	401
369	CLUSTERING FINANCIAL TIME SERIES BY NETWORK COMMUNITY ANALYSIS. International Journal of Modern Physics C, 2011, 22, 35-50.	0.8	23
370	Multivariate Empirical Mode Decomposition for Quantifying Multivariate Phase Synchronization. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	23
371	A Spectrum-Based Framework for Quantifying Randomness of Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 1842-1856.	4.0	11
372	Topological Cluster Analysis Reveals the Systemic Organization of the Caenorhabditis elegans Connectome. PLoS Computational Biology, 2011, 7, e1001139.	1.5	61
373	Evolution of Networks for Body Plan Patterning; Interplay of Modularity, Robustness and Evolvability. PLoS Computational Biology, 2011, 7, e1002208.	1.5	75
374	Quantum Navigation and Ranking in Complex Networks. Scientific Reports, 2012, 2, 605.	1.6	83
375	Identification of literary movements using complex networks to represent texts. New Journal of Physics, 2012, 14, 043029.	1.2	35
376	Performance of local information-based link prediction: a sampling perspective. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 345001.	0.7	7
377	A k -shell decomposition method for weighted networks. New Journal of Physics, 2012, 14, 083030.	1.2	219
378	A Power Network Partitioning Method Based on Local Similarity Measure. Advanced Materials Research, 0, 588-589, 364-367.	0.3	0
379	Constructing and sampling graphs with a prescribed joint degree distribution. Journal of Experimental Algorithmics, 2012, 17, .	0.7	32
380	Feature Analysis and Modeling of the Network Community Structure. Communications in Theoretical Physics, 2012, 58, 604-612.	1.1	2

#	ARTICLE	IF	CITATIONS
381	Public health community mining in YouTube. , 2012, , .		11
382	RoIX. , 2012, , .		239
383	Mesoscale symmetries explain dynamical equivalence of food webs. New Journal of Physics, 2012, 14, 105014.	1.2	15
384	Nodal domain partition and the number of communities in networks. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P02012.	0.9	3
385	Evaluating links through spectral decomposition. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P01015.	0.9	0
386	Community cores in evolving networks. , 2012, , .		13
387	Detecting community structure in networks using edge prediction methods. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P09008.	0.9	19
388	Boosting the detection of modular community structure with genetic algorithms and local search. , 2012, , .		22
389	Coevolution of network structure and content. , 2012, , .		6
390	Exploiting latent relevance for relational learning of ubiquitous things. , 2012, , .		10
391	Goodness-of-fit statistics for anomaly detection in Chung-Lu random graphs. , 2012, , .		4
392	Comparisons of clustering SSCI journals by emerging hierarchical clustering, hierarchical clustering and minimum spanning tree. , 2012, , .		0
393	Harmonic space-time threat propagation for graph detection. , 2012, , .		4
394	Overlapping community detection via network dynamics. Physical Review E, 2012, 85, 016115.	0.8	52
395	Detecting alternative graph clusterings. Physical Review E, 2012, 86, 016111.	0.8	1
396	Multiscale community geometry in a network and its application. Physical Review E, 2012, 86, 041120.	0.8	16
397	Effective number of accessed nodes in complex networks. Physical Review E, 2012, 85, 036105.	0.8	24
398	Alignment and integration of complex networks by hypergraph-based spectral clustering. Physical Review E, 2012, 86, 056111.	0.8	49

#	ARTICLE	IF	CITATIONS
399	Symmetry and localization of quantum walks induced by an extra link in cycles. Physical Review A, 2012, 85, .	1.0	8
400	Removing spurious interactions in complex networks. Physical Review E, 2012, 85, 036101.	0.8	68
401	A connectivity-based popularity prediction approach for social networks. , 2012, , .		5
402	Community detection using parallel genetic algorithms. , 2012, , .		4
403	Identification of overlapping communities in protein interaction networks using multi-scale local information expansion. , 2012, , .		1
404	Mapping university studentsâ€™ epistemic framing of computational physics using network analysis. Physical Review Physics Education Research, 2012, 8, .	1.7	19
405	Opinion formation in time-varying social networks: The case of the naming game. Physical Review E, 2012, 86, 036110.	0.8	29
406	Hierarchical modular structure in gene coexpression networks. , 2012, , .		2
407	Finding missing edges in networks based on their community structure. Physical Review E, 2012, 85, 056112.	0.8	62
408	Community detection for large scale social network sites. , 2012, , .		0
410	A Local Overlapping Community Detection Method in Complex Networks. Advanced Engineering Forum, 0, 6-7, 985-990.	0.3	0
411	Community Detection by Neighborhood Similarity. Chinese Physics Letters, 2012, 29, 048902.	1.3	9
412	Functionalization of a protosynaptic gene expression network. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10612-10618.	3.3	55
413	Comparative study for inference of hidden classes in stochastic block models. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P12021.	0.9	24
414	UNFOLD SYNCHRONIZATION COMMUNITY STRUCTURE USING MARKOV AND SPECTRAL SIGNATURE. International Journal of Modern Physics B, 2012, 26, 1250171.	1.0	1
415	Improved spectral matting by iterative K-means clustering and the modularity measure. , 2012, , .		5
416	Moments of parameter estimates for Chung-Lu random graph models. , 2012, , .		6
417	A scalable signal processing architecture for massive graph analysis. , 2012, , .		21

#	ARTICLE	IF	CITATIONS
418	Community Extracting Using Intersection Graph and Content Analysis in Complex Network. , 2012, , .		6
419	A Vertex Similarity Probability Model for Finding Network Community Structure. Lecture Notes in Computer Science, 2012, , 456-467.	1.0	6
420	A New Definition of Modularity for Community Detection in Complex Networks. Chinese Physics Letters, 2012, 29, 098901.	1.3	5
421	Link Prediction in Complex Networks Based on Cluster Information. Lecture Notes in Computer Science, 2012, , 92-101.	1.0	40
422	Chaperones Divide Yeast Proteins into Classes of Expression Level and Evolutionary Rate. Genome Biology and Evolution, 2012, 4, 618-625.	1.1	22
423	Label propagation algorithm: a semi-synchronous approach. International Journal of Social Network Mining, 2012, 1, 3.	0.2	25
424	Community structure discovery in Facebook. International Journal of Social Network Mining, 2012, 1, 67.	0.2	42
426	A decaying factor accounts for contained activity in neuronal networks with no need of hierarchical or modular organization. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P11018.	0.9	1
427	Consistency of community detection in networks under degree-corrected stochastic block models. Annals of Statistics, 2012, 40, .	1.4	218
428	Controlling centrality in complex networks. Scientific Reports, 2012, 2, 218.	1.6	60
429	DEVELOPMENT AND AGING OF THE HUMAN BRAIN STUDIED WITH BRAIN MAGNETIC RESONANCE IMAGE. , 2012, , .		1
430	Graph Decomposition Using Self-organizing Trees. , 2012, , .		0
431	Detection and Interpretation of Communities in Complex Networks: Practical Methods and Application. , 2012, , 81-113.		20
432	Coarse-grained topology estimation via graph sampling. , 2012, , .		13
433	Context-sensitive detection of local community structure. Social Network Analysis and Mining, 2012, 2, 279-289.	1.9	21
434	Sym-Bio GUI: A graphical user interface to analyze protein aminoacid residue contact networks. , 2012, , .		3
435	Community detection algorithm using the definition of community. , 2012, , .		1
436	Two social communities in the Pearl River Estuary population of Indo-Pacific humpback dolphins (<i>Sousa chinensis</i>). Canadian Journal of Zoology, 2012, 90, 1031-1043.	0.4	36

#	ARTICLE	IF	CITATIONS
437	A Game Theoretic Framework for Community Detection. , 2012, , .		11
438	Recurrent Structural Motifs Reflect Characteristics of Distinct Networks. , 2012, , .		5
439	A Framework for Robust Online Video Contrast Enhancement Using Modularity Optimization. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1266-1279.	5.6	12
440	Finding What Changes for Two Graphs Constructed from Different Time Intervals. , 2012, , .		1
441	Evaluating Structure of Complex Networks by Navigation Entropy. , 2012, , .		0
442	Finding the Mule in the Network. , 2012, , .		9
443	Benchmarking parallel eigen decomposition for residuals analysis of very large graphs. , 2012, , .		2
444	Sampling from Diffusion Networks. , 2012, , .		4
445	Diffusion-Aware Sampling and Estimation in Information Diffusion Networks. , 2012, , .		4
446	Community identification in networks with unbalanced structure. Physical Review E, 2012, 85, 066114.	0.8	29
447	Detecting overlapping structures via network-based competitive learning. , 2012, , .		1
448	A network function-based definition of communities in complex networks. Chaos, 2012, 22, 033129.	1.0	4
449	Make best use of social networks via more valuable friend recommendations. , 2012, , .		6
450	Partisan asymmetries in online political activity. EPJ Data Science, 2012, 1, .	1.5	193
451	Combinatorial Laplacian and entropy of simplicial complexes associated with complex networks. European Physical Journal: Special Topics, 2012, 212, 77-97.	1.2	26
452	Molecular ecological network analyses. BMC Bioinformatics, 2012, 13, 113.	1.2	1,917
453	Dense Subgraph Extraction with Application to Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1216-1230.	4.0	186
454	Modularity-based graph partitioning using conditional expected models. Physical Review E, 2012, 85, 016109.	0.8	14

#	ARTICLE	IF	CITATIONS
455	Structural Vulnerability and Robustness in Complex Networks: Different Approaches and Relationships Between them. Springer Optimization and Its Applications, 2012, , 3-36.	0.6	15
456	Clustering of high throughput gene expression data. Computers and Operations Research, 2012, 39, 3046-3061.	2.4	100
457	Disrupted modular brain dynamics reflect cognitive dysfunction in Alzheimer's disease. NeuroImage, 2012, 59, 3085-3093.	2.1	190
458	Uncovering missing links with cold ends. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5769-5778.	1.2	44
459	Transforming a complex network to an acyclic one. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6184-6189.	1.2	1
460	Evaluation of network robustness using a node tearing algorithm. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6674-6681.	1.2	3
461	ANALYSIS OF GRAIN-SCALE MEASUREMENTS OF SAND USING KINEMATICAL COMPLEX NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1230042.	0.7	16
462	Multimedia Semantics: Interactions Between Content and Community. Proceedings of the IEEE, 2012, 100, 2737-2758.	16.4	21
463	Community Structure in Graphs. , 2012, , 490-512.		78
464	Selecting the Best Solvers: Toward Community Based Crowdsourcing for Disaster Management. , 2012, , .		7
465	Dynamical clustering of exchange rates. Quantitative Finance, 2012, 12, 1493-1520.	0.9	50
466	Proteins as Sponges: A Statistical Journey along Protein Structure Organization Principles. Journal of Chemical Information and Modeling, 2012, 52, 474-482.	2.5	29
467	Detecting Common Interest Kernels in Large Social Networks. , 2012, , .		1
468	Markov Dynamics as a Zooming Lens for Multiscale Community Detection: Non Clique-Like Communities and the Field-of-View Limit. PLoS ONE, 2012, 7, e32210.	1.1	116
469	Exploring Statistical and Population Aspects of Network Complexity. PLoS ONE, 2012, 7, e34523.	1.1	29
470	Limitations of Gene Duplication Models: Evolution of Modules in Protein Interaction Networks. PLoS ONE, 2012, 7, e35531.	1.1	5
471	Knotty-Centrality: Finding the Connective Core of a Complex Network. PLoS ONE, 2012, 7, e36579.	1.1	32
472	Combining Epidemiological and Genetic Networks Signifies the Importance of Early Treatment in HIV-1 Transmission. PLoS ONE, 2012, 7, e46156.	1.1	16

#	ARTICLE	IF	CITATIONS
473	DELINEATION OF FUNCTIONAL REGIONS BY COMBINING COMMUNITY FINDING METHOD WITH SPATIAL INTERACTION MODEL. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and) Tj ETQq0 0 0ogBT /Overclock 10 Tf		
474	Core-Periphery Structure in Networks. SSRN Electronic Journal, 2012, , .	0.4	10
475	Hierarchical Modular Structure Identification with Its Applications in Gene Coexpression Networks. Scientific World Journal, The, 2012, 2012, 1-8.	0.8	27
476	Philosophy and Evolution: Minding the Gap Between Evolutionary Patterns and Tree-Like Patterns. Methods in Molecular Biology, 2012, 856, 81-110.	0.4	12
477	Link prediction in complex networks: a clustering perspective. European Physical Journal B, 2012, 85, 1.	0.6	65
478	The effects of connection reconstruction method on the interregional connectivity of brain networks via diffusion tractography. Human Brain Mapping, 2012, 33, 1894-1913.	1.9	88
479	A new analysis method for simulations using node categorizations. Social Network Analysis and Mining, 2012, 2, 189-196.	1.9	0
480	Community detection in Social Media. Data Mining and Knowledge Discovery, 2012, 24, 515-554.	2.4	509
481	Community detection via heterogeneous interaction analysis. Data Mining and Knowledge Discovery, 2012, 25, 1-33.	2.4	169
482	Optimal and hierarchical clustering of large-scale hybrid networks for scientific mapping. Scientometrics, 2012, 91, 473-493.	1.6	17
483	Irregular community discovery for cloud service improvement. Journal of Supercomputing, 2012, 61, 317-336.	2.4	7
484	A Dimensionality Reduction Framework for Detection of Multiscale Structure in Heterogeneous Networks. Journal of Computer Science and Technology, 2012, 27, 341-357.	0.9	9
485	SBV-Cut: Vertex-cut based graph partitioning using structural balance vertices. Data and Knowledge Engineering, 2012, 72, 285-303.	2.1	62
486	Additive spectral method for fuzzy cluster analysis of similarity data including community structure and affinity matrices. Information Sciences, 2012, 183, 16-34.	4.0	37
487	Shedding light on proteinâ€“ligand binding by graph theory: The topological nature of allostery. Biophysical Chemistry, 2012, 165-166, 21-29.	1.5	48
488	Environ centrality reveals the tendency of indirect effects to homogenize the functional importance of species in ecosystems. Journal of Theoretical Biology, 2012, 294, 74-86.	0.8	12
489	Community structure in the United Nations General Assembly. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 343-361.	1.2	47
490	Identifying influential nodes in complex networks. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1777-1787.	1.2	890

#	ARTICLE	IF	CITATIONS
491	Efficient algorithm based on neighborhood overlap for community identification in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 1788-1796.	1.2	14
492	Detecting community structure using biased random merging. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 1797-1810.	1.2	2
493	Community structure discovery method based on the Gaussian kernel similarity matrix. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2268-2278.	1.2	6
494	Community detection based on the "clumpiness" matrix in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2463-2474.	1.2	9
495	Social structure of Facebook networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4165-4180.	1.2	420
496	Self-similar scaling of density in complex real-world networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2794-2802.	1.2	85
497	The physics of communicability in complex networks. <i>Physics Reports</i> , 2012, 514, 89-119.	10.3	242
498	Characterizing and Extracting Multiplex Patterns in Complex Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012, 42, 469-481.	5.5	36
499	Ambiguity-Free Edge-Bundling for Interactive Graph Visualization. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2012, 18, 810-821.	2.9	30
500	Scalable Learning of Collective Behavior. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2012, 24, 1080-1091.	4.0	33
501	Stochastic Competitive Learning in Complex Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012, 23, 385-398.	7.2	54
502	Identifying overlapping communities in social networks using multi-scale local information expansion. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	21
503	Complexity of networks (Reprise). <i>Complexity</i> , 2012, 17, 50-61.	0.9	10
504	Age-related changes in topological organization of structural brain networks in healthy individuals. <i>Human Brain Mapping</i> , 2012, 33, 552-568.	1.9	156
505	A mathematical model of dynamic social networks. <i>Social Network Analysis and Mining</i> , 2013, 3, 863-872.	1.9	6
506	Semantic social networks analysis. <i>Social Network Analysis and Mining</i> , 2013, 3, 35-49.	1.9	12
507	Identification of multi-resolution network structures with multi-objective immune algorithm. <i>Applied Soft Computing Journal</i> , 2013, 13, 1705-1717.	4.1	37
508	Network deconvolution as a general method to distinguish direct dependencies in networks. <i>Nature Biotechnology</i> , 2013, 31, 726-733.	9.4	223

#	ARTICLE	IF	CITATIONS
510	DISSECTION OF EVOLUTIONARY NETWORKS TO ASSESS THEIR ROLE IN THE EVOLUTION OF ROBUSTNESS, FUNCTION, AND DIVERSIFICATION. Evolution; International Journal of Organic Evolution, 2013, 67, 2273-2283.	1.1	10
511	Toward finding hidden communities based on user profile. Journal of Intelligent Information Systems, 2013, 40, 189-209.	2.8	15
512	Dynamical correlation patterns and corresponding community structure in neural spontaneous activity at criticality. Cognitive Neurodynamics, 2013, 7, 381-393.	2.3	1
513	Introducing the biogeographic species pool. Ecography, 2013, 36, 1310-1318.	2.1	99
514	Community detection in complex networks using extended compact genetic algorithm. Soft Computing, 2013, 17, 925-937.	2.1	40
515	Computing an upper bound of modularity. European Physical Journal B, 2013, 86, 1.	0.6	10
516	Efficient anomaly detection in dynamic, attributed graphs: Emerging phenomena and big data. , 2013, , .		24
517	Mesoscopic analysis of networks with genetic algorithms. World Wide Web, 2013, 16, 545-565.	2.7	3
518	Community structure detection in social networks based on dictionary learning. Science China Information Sciences, 2013, 56, 1-12.	2.7	8
519	Personalized PageRank Clustering: A graph clustering algorithm based on random walks. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 5772-5785.	1.2	51
520	Networking Agroecology. Advances in Ecological Research, 2013, , 1-67.	1.4	50
521	Modeling and performance analysis of product development process network. Journal of Network and Computer Applications, 2013, 36, 1489-1502.	5.8	8
522	Decentralized mining social network communities with agents. Mathematical and Computer Modelling, 2013, 57, 2998-3008.	2.0	7
523	A Novel and Model Independent Approach for Efficient Influence Maximization in Social Networks. Lecture Notes in Computer Science, 2013, , 73-87.	1.0	7
524	Finding the Number of Clusters on the Basis of Eigenvectors. Lecture Notes in Computer Science, 2013, , 220-233.	1.0	1
525	Spectral Clustering: Left-Right-Oscillate Algorithm for Detecting Communities. Advances in Intelligent Systems and Computing, 2013, , 285-294.	0.5	4
526	The associative-semantic network for words and pictures: Effective connectivity and graph analysis. Brain and Language, 2013, 127, 264-272.	0.8	40
527	Overlapping Community Structure and Modular Overlaps in Complex Networks. Lecture Notes in Social Networks, 2013, , 15-40.	0.8	8

#	ARTICLE	IF	CITATIONS
528	LabelRank: A stabilized label propagation algorithm for community detection in networks. , 2013, , .		75
529	Overlapping community detection in networks. ACM Computing Surveys, 2013, 45, 1-35.	16.1	793
530	Agglomerative clustering via maximum incremental path integral. Pattern Recognition, 2013, 46, 3056-3065.	5.1	98
531	Spectral evolution in dynamic networks. Knowledge and Information Systems, 2013, 37, 1-36.	2.1	11
532	Detecting hierarchical and overlapping network communities using locally optimal modularity changes. European Physical Journal B, 2013, 86, 1.	0.6	1
533	The importance of centralities in dark network value chains. European Physical Journal: Special Topics, 2013, 222, 1413-1439.	1.2	12
534	FURS: Fast and Unique Representative Subset selection retaining large-scale community structure. Social Network Analysis and Mining, 2013, 3, 1075-1095.	1.9	20
535	A smart local moving algorithm for large-scale modularity-based community detection. European Physical Journal B, 2013, 86, 1.	0.6	738
536	Individual personalities predict social behaviour in wild networks of great tits (<i>Parus major</i>). Ecology Letters, 2013, 16, 1365-1372.	3.0	287
537	Parallel k -Clique Community Detection on Large-Scale Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1651-1660.	4.0	52
538	Fuzzy Models for Link Prediction in Social Networks. International Journal of Intelligent Systems, 2013, 28, 768-786.	3.3	19
539	Disrupted Functional Brain Connectome in Individuals at Risk for Alzheimer's Disease. Biological Psychiatry, 2013, 73, 472-481.	0.7	378
540	Transitivity based community analysis and detection. , 2013, , .		0
541	Robustness of Community Partition Similarity Metrics. , 2013, , .		0
542	Strategies, Political Position, and Electoral Performance of Brazilian Political Parties. , 2013, , .		1
543	An Empirical Study of Robustness of Network Centrality Scores in Various Networks and Conditions. , 2013, , .		3
544	Robust detection of dynamic community structure in networks. Chaos, 2013, 23, 013142.	1.0	400
545	Tunable and Growing Network Generation Model with Community Structures. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
546	Network-Based Clustering and Embedding for High-Dimensional Data Visualization. , 2013, , .		1
547	Wireless Network Planning and Optimization in Oil and Gas Refineries. , 2013, , .		3
548	Jargon and graph modularity on twitter. , 2013, , .		0
549	Local Dependency in Networks. , 2013, , .		4
550	The Maximum Community Partition Problem in Networks. , 2013, , .		1
551	Analysis and mining of online social networks: emerging trends and challenges. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2013, 3, 408-444.	4.6	21
552	Applications of reformulations in mathematical programming. 4or, 2013, 11, 295-296.	1.0	0
553	Handwritten Data Clustering Using Agents Competition in Networks. Journal of Mathematical Imaging and Vision, 2013, 45, 264-276.	0.8	9
554	Why Waldo befriended the dummy? k-Anonymization of social networks with pseudo-nodes. Social Network Analysis and Mining, 2013, 3, 381-399.	1.9	59
555	Detecting communities by the core-vertex and intimate degree in complex networks. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2555-2563.	1.2	55
556	Disturbed resting state EEG synchronization in bipolar disorder: A graph-theoretic analysis. NeuroImage: Clinical, 2013, 2, 414-423.	1.4	123
557	group consensus of multi-agent systems with switching topologies and stochastic inputs. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1582-1586.	0.9	40
558	Detecting community structure using label propagation with weighted coherent neighborhood propinquity. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 3095-3105.	1.2	49
559	Eigenvalue Spectra of Modular Networks. Physical Review Letters, 2013, 111, 098701.	2.9	37
560	Extracting spatial information from networks with low-order eigenvectors. Physical Review E, 2013, 87, .	0.8	9
561	Discovering hot topics using Twitter streaming data. , 2013, , .		20
562	GASNA. , 2013, , .		2
563	Detecting Communities by Revised Max-flow Method in Networks. Communications in Theoretical Physics, 2013, 60, 258-262.	1.1	0

#	ARTICLE	IF	CITATIONS
564	k-Dense communities in the Internet AS-level topology graph. <i>Computer Networks</i> , 2013, 57, 213-227.	3.2	15
565	Throughflow centrality is a global indicator of the functional importance of species in ecosystems. <i>Ecological Indicators</i> , 2013, 32, 182-196.	2.6	55
566	Overlapping community detection using a generative model for networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5218-5230.	1.2	4
567	Geometry of complex networks and topological centrality. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 3833-3845.	1.2	42
568	Uncovering overlapping cluster structures via stochastic competitive learning. <i>Information Sciences</i> , 2013, 247, 40-61.	4.0	19
569	An efficient community detection method based on rank centrality. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 2182-2194.	1.2	38
570	On time-varying collaboration networks. <i>Journal of Informetrics</i> , 2013, 7, 371-378.	1.4	43
571	Minimum spanning trees for community detection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 2265-2277.	1.2	11
572	Detecting Communities within French Intercompany Network. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 79, 82-100.	0.5	8
573	Spotlight: Assembly of protein complexes by integrating graph clustering methods. <i>Gene</i> , 2013, 518, 42-51.	1.0	1
574	Methods to find community based on edge centrality. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1977-1988.	1.2	28
575	Partitioning large signed two-mode networks: Problems and prospects. <i>Social Networks</i> , 2013, 35, 178-203.	1.3	58
576	EAMCD: an efficient algorithm based on minimum coupling distance for community identification in complex networks. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	6
577	Protein Contact Networks: An Emerging Paradigm in Chemistry. <i>Chemical Reviews</i> , 2013, 113, 1598-1613.	23.0	226
578	Multi-scale structure and geographic drivers of cross-infection within marine bacteria and phages. <i>ISME Journal</i> , 2013, 7, 520-532.	4.4	155
579	Extracting the Core Structure of Social Networks Using (\hat{I}_\pm, \hat{I}_2) -Communities. <i>Internet Mathematics</i> , 2013, 9, 58-81.	0.7	13
580	Research on social relations cognitive model of mobile nodes in Internet of Things. <i>Journal of Network and Computer Applications</i> , 2013, 36, 799-810.	5.8	45
581	Scalable and Accurate Graph Clustering and Community Structure Detection. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2013, 24, 1022-1029.	4.0	25

#	ARTICLE	IF	CITATIONS
582	Prediction of emerging technologies based on analysis of the US patent citation network. <i>Scientometrics</i> , 2013, 95, 225-242.	1.6	191
583	Weighted line graphs for overlapping community discovery. <i>Social Network Analysis and Mining</i> , 2013, 3, 1001-1013.	1.9	11
584	Model for generating artificial social networks having community structures with small-world and scale-free properties. <i>Social Network Analysis and Mining</i> , 2013, 3, 597-609.	1.9	32
585	Comparing connectomes across subjects and populations at different scales. <i>NeuroImage</i> , 2013, 80, 416-425.	2.1	65
586	Survey on Social Community Detection. <i>Computer Communications and Networks</i> , 2013, , 65-85.	0.8	114
587	Functional Differentiation of Memory Retrieval Network in Macaque Posterior Parietal Cortex. <i>Neuron</i> , 2013, 77, 787-799.	3.8	31
588	Clustering social networks using ant colony optimization. <i>Operational Research</i> , 2013, 13, 47-65.	1.3	23
589	On the complexity of Newman's community finding approach for biological and social networks. <i>Journal of Computer and System Sciences</i> , 2013, 79, 50-67.	0.9	29
590	An $O(n^2)$ algorithm for detecting communities of unbalanced sizes in large scale social networks. <i>Knowledge-Based Systems</i> , 2013, 37, 19-36.	4.0	18
591	The Stability of a Graph Partition: A Dynamics-Based Framework for Community Detection. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2013, , 221-242.	0.4	34
592	SEMI-SUPERVISED LEARNING OF K-NEAREST NEIGHBORS USING A NEAREST-NEIGHBOR SELF-CONTAINED CRITERION IN FOR MOBILE-AWARE SERVICE. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2013, 27, 1351001.	0.7	5
593	Neighbor vector centrality of complex networks based on neighbors degree distribution. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	15
594	A Novel Partitioning Algorithm for Power Grid Using Community Detection. <i>Advanced Materials Research</i> , 2013, 710, 563-566.	0.3	1
595	Network Partition and Pilot Nodes Selection for Reactive Power / Voltage Control Based on the Complex Network Theory. <i>Applied Mechanics and Materials</i> , 0, 291-294, 2204-2211.	0.2	0
596	Detecting and labeling representative nodes for network-based semi-supervised learning. , 2013, , .		3
597	Spectrum-Based Network Visualization for Topology Analysis. <i>IEEE Computer Graphics and Applications</i> , 2013, 33, 58-68.	1.0	9
598	SIMILARITY INDEX BASED ON THE INFORMATION OF NEIGHBOR NODES FOR LINK PREDICTION OF COMPLEX NETWORK. <i>Modern Physics Letters B</i> , 2013, 27, 1350039.	1.0	15
599	Ranking spreaders by decomposing complex networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 1031-1035.	0.9	333

#	ARTICLE	IF	CITATIONS
600	Structural and functional discovery in dynamic networks with non-negative matrix factorization. Physical Review E, 2013, 88, 042812.	0.8	46
601	Community detection by modularity maximization using GRASP with path relinking. Computers and Operations Research, 2013, 40, 3121-3131.	2.4	48
602	Mathematical Formulation of Multilayer Networks. Physical Review X, 2013, 3, .	2.8	513
603	A dynamical model for community detection in complex networks. , 2013, , .		6
604	Shifting niches for community structure detection. , 2013, , .		3
605	Pseudo-likelihood methods for community detection in large sparse networks. Annals of Statistics, 2013, 41, .	1.4	208
606	Impulsivity and the Modular Organization of Resting-State Neural Networks. Cerebral Cortex, 2013, 23, 1444-1452.	1.6	89
607	Circle based community detection. , 2013, , .		3
608	What kind of network are you?. , 2013, , .		2
609	Collective inference for network data with copula latent markov networks. , 2013, , .		11
610	ASCOS. , 2013, , .		17
611	Network flows and the link prediction problem. , 2013, , .		5
612	Community evolution detection in time-evolving information networks. , 2013, , .		5
613	Detecting profilable and overlapping communities with user-generated multimedia contents in LBSNs. ACM Transactions on Multimedia Computing, Communications and Applications, 2013, 10, 1-22.	3.0	16
614	Detecting the Overlapping and Hierarchical Community Structure in Networks. Springer Theses, 2013, , 19-44.	0.0	6
615	A random projection approach for estimation of the betweenness centrality measure. Intelligent Data Analysis, 2013, 17, 217-231.	0.4	2
616	Neuronal Functional Connection Graphs among Multiple Areas of the Rat Somatosensory System during Spontaneous and Evoked Activities. PLoS Computational Biology, 2013, 9, e1003104.	1.5	15
617	Task-Based Core-Periphery Organization of Human Brain Dynamics. PLoS Computational Biology, 2013, 9, e1003171.	1.5	302

#	ARTICLE	IF	CITATIONS
618	Dynamic Ising model: reconstruction of evolutionary trees. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 365102.	0.7	0
619	Trading Communities, the Networked Structure of International Relations, and the Kantian Peace. <i>Journal of Conflict Resolution</i> , 2013, 57, 1011-1042.	1.1	46
620	THE MAXIMUM COMMUNITY PARTITION PROBLEM IN NETWORKS. <i>Discrete Mathematics, Algorithms and Applications</i> , 2013, 05, 1350031.	0.4	5
621	Community detection as a tool for complex pipe network clustering. <i>Europhysics Letters</i> , 2013, 103, 48001.	0.7	25
622	A spectral algorithm of community identification. <i>Europhysics Letters</i> , 2013, 101, 48001.	0.7	3
623	Spectral redemption in clustering sparse networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20935-20940.	3.3	392
624	A thermal flux-diffusing model for complex networks and its applications in community structure detection. <i>Chinese Physics B</i> , 2013, 22, 058903.	0.7	3
625	Community Detection in Social Media by Leveraging Interactions and Intensities. <i>Lecture Notes in Computer Science</i> , 2013, , 57-72.	1.0	4
626	A Hierarchical Clustering Approach to Modularity Maximization. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2013, , 79-86.	0.1	0
627	LOCAL RANDOM WALK WITH DISTANCE MEASURE. <i>Modern Physics Letters B</i> , 2013, 27, 1350055.	1.0	2
628	A Micro-Community Structure Merging Model Using a Community Sample Matrix. <i>Chinese Physics Letters</i> , 2013, 30, 018901.	1.3	0
630	RoClust: Role discovery for graph clustering. <i>Web Intelligence and Agent Systems</i> , 2013, 11, 1-20.	0.4	1
631	Persistent Homology of Collaboration Networks. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-7.	0.6	58
632	Combining a popularity-productivity stochastic block model with a discriminative-content model for general structure detection. <i>Physical Review E</i> , 2013, 88, 012807.	0.8	16
633	ADraw: A novel social network visualization tool with attribute-based layout and coloring. , 2013, , .		6
634	Generalization of label propagation algorithm in complex networks. , 2013, , .		1
635	Degree Distribution in Quantum Walks on Complex Networks. <i>Physical Review X</i> , 2013, 3, .	2.8	40
636	A Method Based on Total Variation for Network Modularity Optimization Using the MBO Scheme. <i>SIAM Journal on Applied Mathematics</i> , 2013, 73, 2224-2246.	0.8	29

#	ARTICLE	IF	CITATIONS
637	Spectral coarse graining for random walks in bipartite networks. Chaos, 2013, 23, 013104.	1.0	3
638	Costly bilingualism model in a population with one zealot. Physical Review E, 2013, 88, 022807.	0.8	1
639	Graph clustering with local search optimization: The resolution bias of the objective function matters most. Physical Review E, 2013, 87, 012812.	0.8	13
640	Community maps for joint visualization of images and descriptors. , 2013, , .		0
641	Least Cost Influence in Multiplex Social Networks: Model Representation and Analysis. , 2013, , .		24
642	Efficient local behavioral-change strategies to reduce the spread of epidemics in networks. Physical Review E, 2013, 88, 042801.	0.8	18
643	Normalized modularity optimization method for community identification with degree adjustment. Physical Review E, 2013, 88, 052802.	0.8	17
644	Community detection using Ant Colony Optimization. , 2013, , .		36
645	A quorum sensing inspired algorithm for dynamic clustering. , 2013, , .		0
646	Community detection of complex network based on communication efficiency of nodes. , 2013, , .		0
647	Hyperspherical phase synchrony measure for quantifying global synchronization in the brain. , 2013, , .		1
648	Lowering six degrees of Kevin Bacon by genetic algorithm. , 2013, , .		0
649	Complexity of the heart rhythm after heart transplantation by entropy of transition network for RR-increments of RR time intervals between heartbeats. , 2013, 2013, 6127-30.		3
650	Chordless cycles in networks. , 2013, , .		2
651	Multi-view network module detection. , 2013, , .		0
652	Influence maximization in multiple online social networks. , 2013, , .		15
653	COMPLEX NETWORK ANALYSIS IN CRICKET: COMMUNITY STRUCTURE, PLAYER'S ROLE AND PERFORMANCE INDEX. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350031.	0.9	11
654	"All roads lead to Rome". , 2013, , .		40

#	ARTICLE	IF	CITATIONS
655	A Novel Community Detection Algorithm for Privacy Preservation in Social Networks. <i>Advances in Intelligent Systems and Computing</i> , 2013, , 443-450.	0.5	12
656	Informative Value of Individual and Relational Data Compared Through Business-Oriented Community Detection. <i>Lecture Notes in Social Networks</i> , 2013, , 303-330.	0.8	4
657	Clustering bipartite graphs in terms of approximate formal concepts and sub-contexts. <i>International Journal of Computational Intelligence Systems</i> , 2013, 6, 1125.	1.6	11
658	Complexity Analysis of Software Based on Function-Call Graph. , 2013, , 269-277.		1
659	A prediction method enhanced by the degree of nodes. , 2013, , .		3
660	Profiling core-periphery network structure by random walkers. <i>Scientific Reports</i> , 2013, 3, 1467.	1.6	99
661	On the Evolution of Contacts and Communities in Networks of Face-to-Face Proximity. , 2013, , .		4
662	Protein networks tomography. <i>Systems Biomedicine (Austin, Tex)</i> , 2013, 1, 161-178.	0.7	1
663	Towards multi-ego-centred communities: a node similarity approach. <i>International Journal of Web Based Communities</i> , 2013, 9, 299.	0.2	10
664	Towards realistic artificial benchmark for community detection algorithms evaluation. <i>International Journal of Web Based Communities</i> , 2013, 9, 349.	0.2	37
665	Quantitative measurement and method for detecting anti-community structures in complex networks. <i>International Journal of Wireless and Mobile Computing</i> , 2013, 6, 431.	0.1	2
666	Detecting community structure in bipartite networks based on matrix factorisation. <i>International Journal of Wireless and Mobile Computing</i> , 2013, 6, 599.	0.1	4
667	Inferring network topology via the propagation process. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P11010.	0.9	6
668	Social Dynamics of Science. <i>Scientific Reports</i> , 2013, 3, 1069.	1.6	64
669	A New Method for Detecting Anti-community Structures in Complex Networks. <i>Journal of Physics: Conference Series</i> , 2013, 410, 012103.	0.3	4
670	Hierarchical Consensus of Multi-Agent Systems Based on Community Decomposition. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 147-152.	0.4	2
671	Community structure in interaction web service networks. <i>International Journal of Web Based Communities</i> , 2013, 9, 392.	0.2	5
673	Identifying overlapping communities as well as hubs and outliers via nonnegative matrix factorization. <i>Scientific Reports</i> , 2013, 3, 2993.	1.6	67

#	ARTICLE	IF	CITATIONS
674	Multilayer Networks. SSRN Electronic Journal, 0, , .	0.4	50
675	A novel framework in complex network analysis: Considering both structure of relations and individual characteristics in closeness centrality computation. International Journal of Industrial Engineering Computations, 2013, 4, 227-240.	0.4	3
676	A Community Extraction Method using Intersection Graph and Semantic Analysis in Complex Network. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2013, 25, 540-555.	0.0	1
677	Attack Robustness and Centrality of Complex Networks. PLoS ONE, 2013, 8, e59613.	1.1	346
678	A Hybrid CPU-GPU Accelerated Framework for Fast Mapping of High-Resolution Human Brain Connectome. PLoS ONE, 2013, 8, e62789.	1.1	22
679	Network Analysis of Acupuncture Points Used in the Treatment of Low Back Pain. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-7.	0.5	34
680	“Follow the Leader”: A Centrality Guided Clustering and Its Application to Social Network Analysis. Scientific World Journal, The, 2013, 2013, 1-9.	0.8	15
681	Community Structure Discovery in Directed Graphs by Asymmetric Clustering. Behaviormetrika, 2013, 40, 85-99.	0.9	2
682	Identifying Node Role in Social Network Based on Multiple Indicators. PLoS ONE, 2014, 9, e103733.	1.1	26
683	Graph Independent Component Analysis Reveals Repertoires of Intrinsic Network Components in the Human Brain. PLoS ONE, 2014, 9, e82873.	1.1	20
684	Active Semi-Supervised Community Detection Based on Must-Link and Cannot-Link Constraints. PLoS ONE, 2014, 9, e110088.	1.1	23
685	Reproducibility and Robustness of Graph Measures of the Associative-Semantic Network. PLoS ONE, 2014, 9, e115215.	1.1	10
686	Performance Evaluation of Modularity Based Community Detection Algorithms in Large Scale Networks. Mathematical Problems in Engineering, 2014, 2014, 1-15.	0.6	15
687	Detecting Community Structures in Networks by Label Propagation with Prediction of Percolation Transition. Scientific World Journal, The, 2014, 2014, 1-14.	0.8	3
688	A Node Influence Based Label Propagation Algorithm for Community Detection in Networks. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	55
689	Correlations between climate network and relief data. Nonlinear Processes in Geophysics, 2014, 21, 1127-1132.	0.6	13
690	An Artificial Bee Colony (ABC) Algorithm for Efficient Partitioning of Social Networks. International Journal of Intelligent Information Technologies, 2014, 10, 24-39.	0.5	10
691	Network null-model based on maximal entropy and the rich-club. Journal of Complex Networks, 2014, 2, 288-298.	1.1	5

#	ARTICLE	IF	CITATIONS
692	Ground-state energy of the q-state Potts model: The minimum modularity. Physical Review E, 2014, 90, 052140.	0.8	0
693	Dynamic state determination of a software-defined network via dual basis representation. , 2014, , .		0
694	A Community Divisive Algorithm Using Local Weak Links. , 2014, , .		1
695	A UNIFIED COMMUNITY DETECTION, VISUALIZATION AND ANALYSIS METHOD. International Journal of Modeling, Simulation, and Scientific Computing, 2014, 17, 1450001.	0.9	11
696	An improvement of PLSA-based community detection algorithm. Modern Physics Letters B, 2014, 28, 1450120.	1.0	2
697	Random Walks, Markov Processes and the Multiscale Modular Organization of Complex Networks. IEEE Transactions on Network Science and Engineering, 2014, 1, 76-90.	4.1	259
698	Multilayer networks. Journal of Complex Networks, 2014, 2, 203-271.	1.1	2,388
699	AGGLOMERATIVE CLUSTERING BASED ON LABEL PROPAGATION FOR DETECTING OVERLAPPING AND HIERARCHICAL COMMUNITIES IN COMPLEX NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2014, 17, 1450021.	0.9	6
700	Accurate and fast link prediction in complex networks. , 2014, , .		4
701	Image community detection. , 2014, , .		0
702	Multimodal graph theoretical analysis of functional brain connectivity using adaptive two-step strategy. , 2014, , .		3
703	An intelligent ant colony optimization for community detection in complex networks. , 2014, , .		11
704	Bayesian network detection using absorbing Markov chains. , 2014, , .		0
705	Community structure in networks: Girvan-Newman algorithm improvement. , 2014, , .		28
706	NODE MIXING AND GROUP STRUCTURE OF COMPLEX SOFTWARE NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2014, 17, 1450022.	0.9	13
707	Reformulation of a model for hierarchical divisive graph modularity maximization. Annals of Operations Research, 2014, 222, 213-226.	2.6	18
708	Mid size cliques are more common in real world networks than triangles. Network Science, 2014, 2, 387-402.	0.8	15
710	Community Understanding in Location-based Social Networks. , 2014, , 43-74.		2

#	ARTICLE	IF	CITATIONS
711	Spectral approach for diffusion phenomena among networked agents. , 2014, , .		1
712	A community clustering algorithm based on genetic algorithm with novel coding scheme. , 2014, , .		11
713	Detecting communities in networks using a Bayesian nonparametric method. International Journal of Modern Physics B, 2014, 28, 1450199.	1.0	0
714	PRDiscount: A Heuristic Scheme of Initial Seeds Selection for Diffusion Maximization in Social Networks. Lecture Notes in Computer Science, 2014, , 149-161.	1.0	6
715	Co-Evolution of Multi-Typed Objects in Dynamic Star Networks. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2942-2955.	4.0	24
716	Functional Connectivity Relationships Predict Similarities in Task Activation and Pattern Information during Associative Memory Encoding. Journal of Cognitive Neuroscience, 2014, 26, 1085-1099.	1.1	54
717	Resolving Anatomical and Functional Structure in Human Brain Organization: Identifying Mesoscale Organization in Weighted Network Representations. PLoS Computational Biology, 2014, 10, e1003712.	1.5	57
718	Bayesian Discovery of Threat Networks. IEEE Transactions on Signal Processing, 2014, 62, 5324-5338.	3.2	12
719	Uncovering the overlapping community structure of complex networks by maximal cliques. Physica A: Statistical Mechanics and Its Applications, 2014, 415, 398-406.	1.2	73
720	Overlapping community detection in networks with positive and negative links. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P03021.	0.9	26
721	LPA Based Hierarchical Community Detection. , 2014, , .		0
722	A detecting community method in complex networks with fuzzy clustering. , 2014, , .		3
723	Local Community Detection in Complex Networks Based on Maximum Cliques Extension. Mathematical Problems in Engineering, 2014, 2014, 1-12.	0.6	10
724	Link Prediction in Complex Network via Penalizing Noncontribution Relations of Endpoints. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	1
725	Community Detection in Complex Networks using Randomisation. , 2014, , .		6
726	Mutual-Relationship-Based Community Partitioning for Social Networks. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 436-447.	3.2	7
727	Group adjacency matrices: Effective visualisation of community structure in large networks. , 2014, , .		0
728	Denoising of network graphs using topology diffusion. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
729	Future Collaboration Prediction in Co-authorship Network. , 2014, , .		0
730	Sparse matrix partitioning for parallel eigenanalysis of large static and dynamic graphs. , 2014, , .		3
731	Link Prediction Based on Multi-steps Resource Allocation. , 2014, , .		5
732	Anomalous subgraph detection in publication networks: Leveraging truth. , 2014, , .		0
733	Community Detection in Multidimensional Networks. , 2014, , .		20
734	The interplay between dynamics and networks. , 2014, , .		19
735	The evolution and structure of social networks. Network Science, 2014, 2, 326-340.	0.8	2
736	Evaluating and Comparing the IGraph Community Detection Algorithms. , 2014, , .		7
737	Overlap graph clustering via successive removal. , 2014, , .		1
738	Novel Query Suggestions. , 2014, , .		2
739	Oriented and degree-generated block models: generating and inferring communities with inhomogeneous degree distributions. Journal of Complex Networks, 2014, 2, 1-18.	1.1	18
740	Decompositions of triangle-dense graphs. , 2014, , .		7
741	Adjusting assortativity in complex networks. , 2014, , .		2
742	Anti- \triangle centrality-based community detection in complex networks. IET Systems Biology, 2014, 8, 116-125.	0.8	21
743	An ant colony optimization method to detect communities in social networks. , 2014, , .		8
744	Detecting network communities beyond assortativity-related attributes. Physical Review E, 2014, 90, 012806.	0.8	7
745	Age-Related Reorganizational Changes in Modularity and Functional Connectivity of Human Brain Networks. Brain Connectivity, 2014, 4, 662-676.	0.8	233
746	An image community detection method for hierarchical visualisation. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
747	Detecting image communities. , 2014, , .		0
748	A Scalable Generative Graph Model with Community Structure. SIAM Journal of Scientific Computing, 2014, 36, C424-C452.	1.3	104
749	Density-based and transport-based core-periphery structures in networks. Physical Review E, 2014, 89, 032810.	0.8	43
750	Efficient Monte Carlo and greedy heuristic for the inference of stochastic block models. Physical Review E, 2014, 89, 012804.	0.8	151
751	Extracting evolutionary communities in community question answering. Journal of the Association for Information Science and Technology, 2014, 65, 1170-1186.	1.5	4
752	A DC Programming Approach for Finding Communities in Networks. Neural Computation, 2014, 26, 2827-2854.	1.3	19
753	Phase transitions in semisupervised clustering of sparse networks. Physical Review E, 2014, 90, 052802.	0.8	37
754	Spectra of random graphs with community structure and arbitrary degrees. Physical Review E, 2014, 89, 042816.	0.8	37
755	Detecting Genuine Communities from Large-Scale Social Networks: A Pattern-Based Method. Computer Journal, 2014, 57, 1343-1357.	1.5	13
756	Linking knowledge and action through mental models of sustainable agriculture. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13016-13021.	3.3	48
757	Hierarchical organization in neuronal functional networks during working memory tasks. , 2014, , .		0
758	Clustering on Multi-Layer Graphs via Subspace Analysis on Grassmann Manifolds. IEEE Transactions on Signal Processing, 2014, 62, 905-918.	3.2	150
759	Scalable detection of statistically significant communities and hierarchies, using message passing for modularity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18144-18149.	3.3	119
760	A tabu search based approach for graph layout. Journal of Visual Languages and Computing, 2014, 25, 912-923.	1.8	4
761	Local Fiedler vector centrality for detection of deep and overlapping communities in networks. , 2014, , .		25
762	When Structure Meets Function in Evolutionary Dynamics on Complex Networks. IEEE Circuits and Systems Magazine, 2014, 14, 36-50.	2.6	37
763	Scalable and robust community detection via Proximity-based Cut and Merge. , 2014, , .		0
764	A unified modularity by encoding the similarity attraction feature into the null model. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
765	Spectral subgraph detection with corrupt observations. , 2014, , .		0
766	Detecting overlapping communities in massive networks. Europhysics Letters, 2014, 108, 68001.	0.7	5
767	Botnet detection using social graph analysis. , 2014, , .		9
768	Two-layer modular analysis of gene and protein networks in breast cancer. BMC Systems Biology, 2014, 8, 81.	3.0	9
769	Towards designing secure in-vehicle network architectures using community detection algorithms. , 2014, , .		6
770	Identifying congestion in software-defined networks using spectral graph theory. , 2014, , .		1
771	A tensor-based Markov chain method for module identification from multiple networks. , 2014, , .		1
772	Functional Bimodality in the Brain Networks of Preterm and Term Human Newborns. Cerebral Cortex, 2014, 24, 2657-2668.	1.6	76
773	A k-generation approach to wireless fingerprinting for position estimation. , 2014, , .		0
774	Improving robustness of complex networks via the effective graph resistance. European Physical Journal B, 2014, 87, 1.	0.6	63
775	An efficient community detection algorithm using greedy surprise maximization. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 165101.	0.7	16
776	Predicting missing links via significant paths. Europhysics Letters, 2014, 106, 18008.	0.7	30
777	Disrupted Modular Architecture of Cerebellum in Schizophrenia: A Graph Theoretic Analysis. Schizophrenia Bulletin, 2014, 40, 1216-1226.	2.3	67
778	An interaction network perspective on the relation between patterns of sea surface temperature variability and global mean surface temperature. Earth System Dynamics, 2014, 5, 1-14.	2.7	34
779	A FRAMEWORK FOR COMMUNITY DETECTION IN HETEROGENEOUS MULTI-RELATIONAL NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2014, 17, 1450018.	0.9	22
780	A NEW DYNAMIC COMMUNITY MODEL FOR SOCIAL NETWORKS. International Journal of Modern Physics C, 2014, 25, 1350088.	0.8	3
781	Detecting overlapping communities in networks using the maximal sub-graph and the clustering coefficient. Physica A: Statistical Mechanics and Its Applications, 2014, 405, 85-91.	1.2	53
782	Large-scale plastic changes of the brain network in an animal model of neuropathic pain. NeuroImage, 2014, 98, 203-215.	2.1	23

#	ARTICLE	IF	CITATIONS
783	Tracking phantastic objects: A computer algorithmic investigation of narrative evolution in unstructured data sources. <i>Social Networks</i> , 2014, 38, 121-133.	1.3	27
784	The latest research progress on spectral clustering. <i>Neural Computing and Applications</i> , 2014, 24, 1477-1486.	3.2	130
785	Expansion and decentralized search in complex networks. <i>Knowledge and Information Systems</i> , 2014, 38, 469-490.	2.1	4
786	G-Tries: a data structure for storing and finding subgraphs. <i>Data Mining and Knowledge Discovery</i> , 2014, 28, 337-377.	2.4	48
787	Applying network methods to acoustic telemetry data: Modeling the movements of tropical marine fishes. <i>Ecological Modelling</i> , 2014, 293, 139-149.	1.2	58
788	Identification of core T cell network based on immunome interactome. <i>BMC Systems Biology</i> , 2014, 8, 17.	3.0	5
789	Dual modularity optimization for detecting overlapping communities in bipartite networks. <i>Knowledge and Information Systems</i> , 2014, 40, 455-488.	2.1	25
790	MODULAR: software for the autonomous computation of modularity in large network sets. <i>Ecography</i> , 2014, 37, 221-224.	2.1	138
791	Assessing structural correlates to social capital in Facebook ego networks. <i>Social Networks</i> , 2014, 38, 1-15.	1.3	67
792	Modeling disease progression using dynamics of pathway connectivity. <i>Bioinformatics</i> , 2014, 30, 2343-2350.	1.8	56
793	Potential links by neighbor communities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 406, 244-252.	1.2	19
794	Edge-ratio network clustering by Variable Neighborhood Search. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	8
795	Graph-Theoretic Distributed Inference in Social Networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014, 8, 613-623.	7.3	33
796	Optimal local community detection in social networks based on density drop of subgraphs. <i>Pattern Recognition Letters</i> , 2014, 36, 46-53.	2.6	42
797	Routing protocol based on social characteristics for opportunistic networks. <i>Journal of China Universities of Posts and Telecommunications</i> , 2014, 21, 67-103.	0.8	5
798	Identifying and ranking influential spreaders in complex networks by neighborhood coreness. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 395, 549-559.	1.2	351
799	A unified community detection algorithm in complex network. <i>Neurocomputing</i> , 2014, 130, 36-43.	3.5	25
800	Community detection in networks via a spectral heuristic based on the clustering coefficient. <i>Discrete Applied Mathematics</i> , 2014, 176, 89-99.	0.5	42

#	ARTICLE	IF	CITATIONS
801	A Graph Kernel Approach for Detecting Core Patents and Patent Groups. IEEE Intelligent Systems, 2014, 29, 44-51.	4.0	2
802	Functional module identification in protein interaction networks by interaction patterns. Bioinformatics, 2014, 30, 81-93.	1.8	48
803	Parallel Subgraph Counting for Multicore Architectures. , 2014, , .		16
804	Algorithms for Leader Selection in Stochastically Forced Consensus Networks. IEEE Transactions on Automatic Control, 2014, 59, 1789-1802.	3.6	106
805	A mesoscopic approach to modeling and simulation of systemic risks. , 2014, , .		3
806	Fuzzy community detection in social networks using a genetic algorithm. , 2014, , .		16
807	Regional Trade Agreements and the Pattern of Trade: A Networks Approach. World Economy, 2014, 37, 1128-1151.	1.4	25
808	Ubicon and its applications for ubiquitous social computing. New Review of Hypermedia and Multimedia, 2014, 20, 53-77.	0.9	35
809	Tie strength distribution in scientific collaboration networks. Physical Review E, 2014, 90, 032804.	0.8	26
810	Detecting community structure via the maximal sub-graphs and belonging degrees in complex networks. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 198-207.	1.2	40
811	Community Detection in Social Networks. Applied Mechanics and Materials, 0, 496-500, 2174-2177.	0.2	5
812	Control for a synchronization-desynchronization switch. Physical Review E, 2014, 90, 012909.	0.8	17
813	Community-Aware Task Allocation for Social Networked Multiagent Systems. IEEE Transactions on Cybernetics, 2014, 44, 1529-1543.	6.2	42
814	Evolutionary community structure discovery in dynamic weighted networks. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 565-576.	1.2	46
815	Predicting missing links via effective paths. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 515-522.	1.2	20
816	Study of collective user behaviour in Twitter: a fuzzy approach. Neural Computing and Applications, 2014, 25, 1603-1614.	3.2	15
817	Community analysis in directed networks: In-, out-, and pseudocommunities. Physical Review E, 2014, 89, 012814.	0.8	12
818	Active Clustering with Ensembles for Social structure extraction. , 2014, , .		16

#	ARTICLE	IF	CITATIONS
819	The impact of social segregation on human mobility in developing and industrialized regions. EPJ Data Science, 2014, 3, .	1.5	89
820	Sampling from social network to maintain community structure. International Journal of Communication Systems, 2014, 27, 1363-1377.	1.6	7
821	Assortifying Networks. New Generation Computing, 2014, 32, 297-308.	2.5	0
822	Toward seed-insensitive solutions to local community detection. Journal of Intelligent Information Systems, 2014, 43, 183-203.	2.8	9
823	Statistical Ensembles for Economic Networks. Journal of Statistical Physics, 2014, 155, 810-825.	0.5	16
824	An Analysis of Shipping Agreements: The Cooperative Container Network. Networks and Spatial Economics, 2014, 14, 357-377.	0.7	54
825	Network analysis of three-dimensional complex plasma clusters in a rotating electric field. Physical Review E, 2014, 89, 023104.	0.8	8
826	Temporal evolution of contacts and communities in networks of face-to-face human interactions. Science China Information Sciences, 2014, 57, 1-17.	2.7	28
827	Predicting the growth of new links by new preferential attachment similarity indices. Pramana - Journal of Physics, 2014, 82, 571-583.	0.9	1
828	Characteristic times of biased random walks on complex networks. Physical Review E, 2014, 89, 012803.	0.8	67
829	Time-series analysis of networks: Exploring the structure with random walks. Physical Review E, 2014, 90, 022804.	0.8	27
830	Cext-N index: a network node centrality measure for collaborative relationship distribution. Scientometrics, 2014, 101, 291-307.	1.6	7
831	Variability analysis of complex networks measures based on stochastic distances. Physica A: Statistical Mechanics and Its Applications, 2014, 415, 73-86.	1.2	2
832	Modularity revisited: A novel dynamics-based concept for decomposing complex networks. Journal of Computational Dynamics, 2014, 1, 191-212.	0.4	14
833	Fast layout computation of clustered networks: Algorithmic advances and experimental analysis. Information Sciences, 2014, 260, 185-199.	4.0	29
834	Community Detection via Maximization of Modularity and Its Variants. IEEE Transactions on Computational Social Systems, 2014, 1, 46-65.	3.2	187
835	Building rich social network data: a schema to assist in designing, collecting and evaluating social network data. Social Network Analysis and Mining, 2014, 4, 1.	1.9	0
836	Group detection in complex networks: An algorithm and comparison of the state of the art. Physica A: Statistical Mechanics and Its Applications, 2014, 397, 144-156.	1.2	21

#	ARTICLE	IF	CITATIONS
837	Closed walks for community detection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 397, 129-143.	1.2	11
838	Anti-modularity and anti-community detecting in complex networks. <i>Information Sciences</i> , 2014, 275, 293-313.	4.0	29
839	Modularity spectra, eigen-subspaces, and structure of weighted graphs. <i>European Journal of Combinatorics</i> , 2014, 35, 105-116.	0.5	4
840	Cultural scene detection using reverse Louvain optimization. <i>Science of Computer Programming</i> , 2014, 95, 44-72.	1.5	13
841	Degree-corrected stochastic block models and reliability in networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 393, 553-559.	1.2	11
842	LÃ©vy walk in complex networks: An efficient way of mobility. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 396, 212-223.	1.2	11
843	The similarity of weights on edges and discovering of community structure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 393, 560-570.	1.2	7
844	Complex Network Clustering by Multiobjective Discrete Particle Swarm Optimization Based on Decomposition. <i>IEEE Transactions on Evolutionary Computation</i> , 2014, 18, 82-97.	7.5	323
845	Core-Periphery Structure in Networks. <i>SIAM Journal on Applied Mathematics</i> , 2014, 74, 167-190.	0.8	265
846	Matching of communities and frequent conceptual links. <i>Social Network Analysis and Mining</i> , 2014, 4, 1.	1.9	0
847	Multi-ego-centered communities in practice. <i>Social Network Analysis and Mining</i> , 2014, 4, 1.	1.9	2
848	Discovering Multiple Diffusion Source Nodes in Social Networks. <i>Procedia Computer Science</i> , 2014, 29, 443-452.	1.2	40
849	Anomaly detection in online social networks. <i>Social Networks</i> , 2014, 39, 62-70.	1.3	198
850	Information loss method to measure node similarity in networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 410, 439-449.	1.2	12
851	Improved churn prediction in telecommunication industry by analyzing a large network. <i>Expert Systems With Applications</i> , 2014, 41, 6575-6584.	4.4	60
852	Functional network organizations of two contrasting temperament groups in dimensions of novelty seeking and harm avoidance. <i>Brain Research</i> , 2014, 1575, 33-44.	1.1	24
853	Bridging the gap between different social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 410, 535-549.	1.2	5
854	A Novel Fuzzy Clustering Recommendation Algorithm Based On Pso. <i>Cybernetics and Information Technologies</i> , 2014, 14, 108-117.	0.4	4

#	ARTICLE	IF	CITATIONS
855	Neither Ideologues nor Agnostics: Alternative Voters'™ Belief System in an Age of Partisan Politics. American Journal of Sociology, 2014, 120, 45-95.	0.3	114
856	Community detection in large-scale networks: a survey and empirical evaluation. Wiley Interdisciplinary Reviews: Computational Statistics, 2014, 6, 426-439.	2.1	174
857	Modularity versus Laplacian Eigenmaps for dimensionality reduction and classification of hyperspectral imagery. , 2014, , .		0
858	Community classification in decentralized social networks using local topological information. , 2014, , .		0
859	Rotation gene set testing for longitudinal expression data. Biometrical Journal, 2014, 56, 1055-1075.	0.6	1
860	Community Structure and Dynamics of the Industry Sector-Specific International-Trade-Network. , 2014, , .		9
861	Spectral Radius as a Measure of Variation in Node Degree for Complex Network Graphs. , 2014, , .		32
862	Walk-modularity and community structure in networks. Network Science, 2015, 3, 348-360.	0.8	14
863	Network construction and structure detection with metagenomic count data. BioData Mining, 2015, 8, 40.	2.2	8
864	Bi-scale link prediction on networks. Chaos, Solitons and Fractals, 2015, 78, 140-147.	2.5	7
865	A Novel Edge Weighting Method to Enhance Network Community Detection. , 2015, , .		3
866	Robustness of centrality measures against network manipulation. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 124-131.	1.2	26
867	Constructing, conducting and interpreting animal social network analysis. Journal of Animal Ecology, 2015, 84, 1144-1163.	1.3	653
868	A bi-scale method of link prediction. , 2015, , .		0
869	Prognostic models in coronary artery disease: Cox and network approaches. Royal Society Open Science, 2015, 2, 140270.	1.1	3
870	LeadersRank: Towards a new approach for community detection in social networks. , 2015, , .		6
871	Limitations in the spectral method for graph partitioning: Detectability threshold and localization of eigenvectors. Physical Review E, 2015, 91, 062803.	0.8	19
872	Stochastic block model and exploratory analysis in signed networks. Physical Review E, 2015, 91, 062805.	0.8	29

#	ARTICLE	IF	CITATIONS
873	Multiple phases in modularity-based community detection. <i>Physical Review E</i> , 2015, 92, 042804.	0.8	9
874	Multiway spectral community detection in networks. <i>Physical Review E</i> , 2015, 92, 052808.	0.8	51
875	Low-rank network decomposition reveals structural characteristics of small-world networks. <i>Physical Review E</i> , 2015, 92, 062822.	0.8	15
876	Model Selection and Hypothesis Testing for Large-Scale Network Models with Overlapping Groups. <i>Physical Review X</i> , 2015, 5, .	2.8	52
877	Ground-state phase-space structures of two-dimensional glasses: A network approach. <i>Physical Review E</i> , 2015, 91, 062135.	0.8	0
878	Faster unfolding of communities: Speeding up the Louvain algorithm. <i>Physical Review E</i> , 2015, 92, 032801.	0.8	78
879	Group recommendation in online learning environment using community detection. <i>International Journal of Computational Systems Engineering</i> , 2015, 2, 51.	0.2	1
880	Mod-MÃ¼llner: an efficient algorithm for hierarchical community analysis in large networks. <i>International Journal of Social Network Mining</i> , 2015, 2, 133.	0.2	1
881	Improving Community Detection in Time-Evolving Networks Through Clustering Fusion. <i>Cybernetics and Information Technologies</i> , 2015, 15, 63-74.	0.4	4
882	Reconstructing propagation networks with temporal similarity. <i>Scientific Reports</i> , 2015, 5, 11404.	1.6	15
883	The reconstruction of complex networks with community structure. <i>Scientific Reports</i> , 2015, 5, 17287.	1.6	5
884	Progressive glucose stimulation of islet beta cells reveals a transition from segregated to integrated modular functional connectivity patterns. <i>Scientific Reports</i> , 2015, 5, 7845.	1.6	73
885	A New Label Propagation With Dams. , 2015, , .		5
886	Sensor network partitioning based on homogeneity. , 2015, , .		0
887	MG++: Memory graphs for analyzing dynamic data structures. , 2015, , .		4
888	Cultures of Caste and Rural Development in the Social Network of a South Indian Village. <i>SAGE Open</i> , 2015, 5, 215824401559881.	0.8	5
889	The relative vertex clustering value - a new criterion for the fast discovery of functional modules in protein interaction networks. <i>BMC Bioinformatics</i> , 2015, 16, S3.	1.2	3
890	Community detection in directed acyclic graphs. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	21

#	ARTICLE	IF	CITATIONS
891	Complex networks and public funding: the case of the 2007-2013 Italian program. EPJ Data Science, 2015, 4, .	1.5	3
892	Cross-Disciplinary Detection and Analysis of Network Motifs. Bioinformatics and Biology Insights, 2015, 9, BBI.S23619.	1.0	16
893	Network structure exploration via Bayesian nonparametric models. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P10004.	0.9	4
894	Disrupted Topological Organization of Resting-State Functional Brain Network in Subcortical Vascular Mild Cognitive Impairment. CNS Neuroscience and Therapeutics, 2015, 21, 846-854.	1.9	48
895	A Novel Clonal Selection Algorithm for Community Detection in Complex Networks. Computational Intelligence, 2015, 31, 442-464.	2.1	23
896	Leader selection for fast consensus in networks. Europhysics Letters, 2015, 112, 50002.	0.7	1
897	10 Years Later. Advances in Ecological Research, 2015, 53, 1-53.	1.4	43
898	Detecting modules in biological networks by edge weight clustering and entropy significance. Frontiers in Genetics, 2015, 6, 265.	1.1	22
899	Aberrant cerebellar connectivity in motor and association networks in schizophrenia. Frontiers in Human Neuroscience, 2015, 9, 134.	1.0	82
900	GRETNA: a graph theoretical network analysis toolbox for imaging connectomics. Frontiers in Human Neuroscience, 2015, 9, 386.	1.0	758
901	A Stochastic Model for Detecting Overlapping and Hierarchical Community Structure. PLoS ONE, 2015, 10, e0119171.	1.1	12
902	Generating Attributed Networks with Communities. PLoS ONE, 2015, 10, e0122777.	1.1	42
903	Multi-Objective Community Detection Based on Memetic Algorithm. PLoS ONE, 2015, 10, e0126845.	1.1	34
904	Multiscale Embedded Gene Co-expression Network Analysis. PLoS Computational Biology, 2015, 11, e1004574.	1.5	229
905	Fast Eigen-Functions Tracking on Dynamic Graphs. , 2015, , .		26
906	Learning in unlabeled networks " An active learning and inference approach. AI Communications, 2015, 29, 123-148.	0.8	10
907	A Pagerank-Inspired Heuristic Scheme for Influence Maximization in Social Networks. International Journal of Web Services Research, 2015, 12, 48-62.	0.5	10
908	Competitive Dynamics on Complex Networks. Scientific Reports, 2014, 4, 5858.	1.6	23

#	ARTICLE	IF	CITATIONS
909	Extraction of force-chain network architecture in granular materials using community detection. <i>Soft Matter</i> , 2015, 11, 2731-2744.	1.2	98
910	Determinants of community structure in the global plankton interactome. <i>Science</i> , 2015, 348, 1262073.	6.0	842
911	Analyzing complex networks through correlations in centrality measurements. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P05030.	0.9	29
913	Functional Module Analysis for Gene Coexpression Networks with Network Integration. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2015, 12, 1146-1160.	1.9	26
914	Community Detection Based on Minimum-Cut Graph Partitioning. <i>Lecture Notes in Computer Science</i> , 2015, , 57-69.	1.0	2
915	Fast and accurate determination of modularity and its effect size. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P02003.	0.9	22
916	A Discrete Bat Algorithm for the Community Detection Problem. <i>Lecture Notes in Computer Science</i> , 2015, , 188-199.	1.0	25
917	A model-independent approach for efficient influence maximization in social networks. <i>Social Network Analysis and Mining</i> , 2015, 5, 1.	1.9	0
918	Predicting missing links via correlation between nodes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 216-223.	1.2	34
919	Overlapping community structure detection in multi-online social networks. , 2015, , .		4
920	Scalable k-NN based text clustering. , 2015, , .		13
921	Identification of function modules in protein-protein interaction networks by modularity optimization method. , 2015, , .		2
922	Diffusion distance for signals supported on networks. , 2015, , .		2
923	Modeling graphs using a mixture of Kronecker models. , 2015, , .		1
924	Statistical methods for comparing brain connectomes at different scales. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
925	A technique for associating political alignment to users. , 2015, , .		1
926	Numerical investigation of metrics for epidemic processes on graphs. , 2015, , .		4
927	Residuals-based subgraph detection with cue vertices. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
928	Planted clique detection below the noise floor using low-rank sparse PCA. , 2015, , .		0
929	Improving the performance of graph analysis through partitioning with sampling. , 2015, , .		0
930	Modeling community detection using slow mixing random walks. , 2015, , .		3
931	Phase transitions in spectral community detection of large noisy networks. , 2015, , .		0
932	Fusion based approach to discovering social circles in EGO networks. , 2015, , .		1
933	Community Dynamics and Controllability of G7 Global Production Network. , 2015, , .		6
934	Network robustness versus multi-strategy sequential attack. Journal of Complex Networks, 2015, 3, 126-146.	1.1	33
935	Relational Classification Using Random Walks in Graphs. New Generation Computing, 2015, 33, 409-424.	2.5	2
936	Multiple networks modules identification by a multi-dimensional Markov chain method. Network Modeling Analysis in Health Informatics and Bioinformatics, 2015, 4, 1.	1.2	4
937	Identifying Similar Cases in Document Networks Using Cross-Reference Structures. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1906-1917.	3.9	10
938	Descriptive Modeling of Social Networks. Procedia Computer Science, 2015, 52, 226-233.	1.2	9
939	Improved hidden clique detection by optimal linear fusion of multiple adjacency matrices. , 2015, , .		0
940	Optimized Parallel Label Propagation Based Community Detection on the Intel(R) Xeon Phi(TM) Architecture. , 2015, , .		1
941	Center Node Based Data Community-Oriented Retrieval Method over Relational Database. , 2015, , .		0
942	A community detection algorithm based on community size. , 2015, , .		0
943	Overlapping Community Detection Optimization and Nash Equilibrium. , 2015, , .		7
944	Mathematical Foundations: Complex Networks and Graphs (A Review). SpringerBriefs in Optimization, 2015, , 9-36.	0.3	3
945	Management of duplicate members on websites. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
946	Divergent brain functional network alterations in dementia with Lewy bodies and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, 2458-2467.	1.5	64
947	Random Walkers. <i>SpringerBriefs in Optimization</i> , 2015, , 37-51.	0.3	0
948	Detection of Top-K Central Nodes in Social Networks. , 2015, , .		17
949	Enhancing the Utility of Community Detection Research. <i>Procedia Manufacturing</i> , 2015, 3, 4098-4105.	1.9	0
950	Max-Intensity: Detecting Competitive Advertiser Communities in Sponsored Search Market. , 2015, , .		0
951	Using local utility maximization to detect social networks communities. , 2015, , .		3
952	An improvement of link prediction by combining local information and betweenness. , 2015, , .		2
953	Community detection in social networks using ant colony algorithm and fuzzy clustering. , 2015, , .		7
954	Accurate similarity index based on activity and connectivity of node for link prediction. <i>International Journal of Modern Physics B</i> , 2015, 29, 1550108.	1.0	9
955	Hierarchical mutual information for the comparison of hierarchical community structures in complex networks. <i>Physical Review E</i> , 2015, 92, 062825.	0.8	18
956	Video summarization through change detection in a non-overlapping camera network. , 2015, , .		5
957	Taxing the development structure of open source communities: An information processing view. <i>Decision Support Systems</i> , 2015, 80, 27-41.	3.5	19
958	Improved statistical evaluation of group differences in connectomes by screening“filtering strategy with application to study maturation of brain connections between childhood and adolescence. <i>NeuroImage</i> , 2015, 108, 251-264.	2.1	27
959	Large-scale community detection based on node membership grade and sub-communities integration. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 428, 279-294.	1.2	35
960	Epidemic control analysis: Designing targeted intervention strategies against epidemics propagated on contact networks. <i>Journal of Theoretical Biology</i> , 2015, 365, 84-95.	0.8	16
961	Toward link predictability of complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2325-2330.	3.3	315
962	Apolipoprotein E ϵ 4 modulates functional brain connectome in <sc>A</sc>zheimer's disease. <i>Human Brain Mapping</i> , 2015, 36, 1828-1846.	1.9	89
963	Think locally, act locally: Detection of small, medium-sized, and large communities in large networks. <i>Physical Review E</i> , 2015, 91, 012821.	0.8	88

#	ARTICLE	IF	CITATIONS
964	Robust Reconstruction of Complex Networks from Sparse Data. <i>Physical Review Letters</i> , 2015, 114, 028701.	2.9	131
965	Impact of heterogeneous activity and community structure on the evolutionary success of cooperators in social networks. <i>Physical Review E</i> , 2015, 91, 012802.	0.8	31
966	Estimating the resolution limit of the map equation in community detection. <i>Physical Review E</i> , 2015, 91, 012809.	0.8	52
967	Identifying node importance in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 429, 169-176.	1.2	61
968	Robustness of community structure to node removal. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P03003.	0.9	11
969	A multi-source integration framework for user occupation inference in social media systems. <i>World Wide Web</i> , 2015, 18, 1247-1267.	2.7	30
970	Manufacturing Consent. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 104-117.	3.6	5
971	Universal phase transition in community detectability under a stochastic block model. <i>Physical Review E</i> , 2015, 91, 032804.	0.8	17
972	Communities in the iron superoxide dismutase amino acid network. <i>Journal of Theoretical Biology</i> , 2015, 367, 278-285.	0.8	0
973	Symbolic regression of generative network models. <i>Scientific Reports</i> , 2015, 4, 6284.	1.6	19
974	Correlation Coefficient Analysis of Centrality Metrics for Complex Network Graphs. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 11-20.	0.5	24
975	A Fast and Accurate Algorithm for Detecting Community Structure in Social Networks. <i>International Journal of U- and E- Service, Science and Technology</i> , 2015, 8, 51-60.	0.1	1
976	Comparing the topological properties of real and artificially generated scientific manuscripts. <i>Scientometrics</i> , 2015, 105, 1763-1779.	1.6	51
977	Fuzzy duocentric community detection model in social networks. <i>Social Networks</i> , 2015, 43, 177-189.	1.3	9
978	Evidence of perturbations of the cytokine network in preterm labor. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 836.e1-836.e18.	0.7	141
979	Functional brain network changes associated with clinical and biochemical measures of the severity of hepatic encephalopathy. <i>NeuroImage</i> , 2015, 122, 332-344.	2.1	30
980	Chowâ€“Liu trees are sufficient predictive models for reproducing key features of functional networks of periictal EEG time-series. <i>NeuroImage</i> , 2015, 118, 520-537.	2.1	7
981	A novel cosine distance for detecting communities in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 437, 21-35.	1.2	10

#	ARTICLE	IF	CITATIONS
982	Iterative path attacks on networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1633-1638.	0.9	19
983	Breeding patterns and cultivated beets origins by genetic diversity and linkage disequilibrium analyses. <i>Theoretical and Applied Genetics</i> , 2015, 128, 2255-2271.	1.8	12
984	Density-based modularity for evaluating community structure in bipartite networks. <i>Information Sciences</i> , 2015, 317, 278-294.	4.0	19
985	A similarity-based community detection method with multiple prototype representation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 438, 519-531.	1.2	14
986	Communities of classes: A network approach to social mobility. <i>Research in Social Stratification and Mobility</i> , 2015, 41, 56-65.	1.2	4
987	Memetic algorithm with simulated annealing strategy and tightness greedy optimization for community detection in networks. <i>Applied Soft Computing Journal</i> , 2015, 34, 485-501.	4.1	58
988	A Spectral Framework for Anomalous Subgraph Detection. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 4191-4206.	3.2	36
989	Core-like groups result in invalidation of identifying super-spreader by k-shell decomposition. <i>Scientific Reports</i> , 2015, 5, 9602.	1.6	132
990	Analysis of academic productivity based on Complex Networks. <i>Scientometrics</i> , 2015, 104, 651-672.	1.6	6
991	Hologenome theory supported by cooccurrence networks of species-specific bacterial communities in siphonous algae (<i>Caulerpa</i>). <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv067.	1.3	55
992	Conformity biased transmission in social networks. <i>Journal of Theoretical Biology</i> , 2015, 380, 542-549.	0.8	10
993	Fast community detection by SCORE. <i>Annals of Statistics</i> , 2015, 43, .	1.4	147
994	MNetDec: A Flexible Algorithm for Metabolic Network Decomposition. <i>Lecture Notes in Electrical Engineering</i> , 2015, , 839-845.	0.3	7
995	Memory-based label propagation algorithm for community detection in social networks. , 2015, , .		11
996	Opinion control in complex networks. <i>New Journal of Physics</i> , 2015, 17, 033031.	1.2	58
997	Clustering high throughput biological data with B-MST, a minimum spanning tree based heuristic. <i>Computers in Biology and Medicine</i> , 2015, 62, 94-102.	3.9	16
998	Graph-Theoretical Analysis of Brain Networks. , 2015, , 629-633.		4
999	Predicting missing links via structural similarity. <i>International Journal of Modern Physics B</i> , 2015, 29, 1550095.	1.0	2

#	ARTICLE	IF	CITATIONS
1000	Spectral properties of modularity matrices. <i>Linear Algebra and Its Applications</i> , 2015, 473, 359-376.	0.4	8
1001	A note on using the adjusted Rand index for link prediction in networks. <i>Social Networks</i> , 2015, 42, 72-79.	1.3	50
1002	Scaling laws in emotion-associated words and corresponding network topology. <i>Cognitive Processing</i> , 2015, 16, 151-163.	0.7	1
1003	Analyzing the Maritime Transportation System in Greece: a Complex Network Approach. <i>Networks and Spatial Economics</i> , 2015, 15, 981-1010.	0.7	47
1004	Topological-collaborative approach for disambiguating authors'™ names in collaborative networks. <i>Scientometrics</i> , 2015, 102, 465-485.	1.6	31
1005	Power and loyalty defined by proximity to influential relations. <i>Computational Social Networks</i> , 2015, 2, .	2.1	2
1006	Defining and identifying cograph communities in complex networks. <i>New Journal of Physics</i> , 2015, 17, 013044.	1.2	34
1007	Network design and planning of wireless embedded systems for industrial automation. <i>Design Automation for Embedded Systems</i> , 2015, 19, 367-388.	0.7	8
1008	A new closeness centrality measure via effective distance in complex networks. <i>Chaos</i> , 2015, 25, 033112.	1.0	67
1009	A novel dynamics combination model reveals the hidden information of community structure. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550043.	0.8	9
1010	Laplacian spectra of a class of small-world networks and their applications. <i>Scientific Reports</i> , 2015, 5, 9024.	1.6	31
1011	Modular Deconstruction Reveals the Dynamical and Physical Building Blocks of a Locomotion Motor Program. <i>Neuron</i> , 2015, 86, 304-318.	3.8	57
1012	Quadratic Program-Based Modularity Maximization for Fuzzy Community Detection in Social Networks. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 1356-1371.	6.5	41
1013	Finding communities in sparse networks. <i>Scientific Reports</i> , 2015, 5, 8828.	1.6	17
1014	Immunization strategy based on the critical node in percolation transition. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2795-2801.	0.9	12
1015	A Unified Semi-Supervised Community Detection Framework Using Latent Space Graph Regularization. <i>IEEE Transactions on Cybernetics</i> , 2015, 45, 2585-2598.	6.2	152
1016	(Automated) Software Modularization Using Community Detection. <i>Lecture Notes in Computer Science</i> , 2015, , 95-102.	1.0	2
1017	Using shortest path to discover criminal community. <i>Digital Investigation</i> , 2015, 15, 1-17.	3.2	19

#	ARTICLE	IF	CITATIONS
1018	Diffusion and Superposition Distances for Signals Supported on Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2015, 1, 20-32.	1.6	14
1019	Age-related changes in the topological organization of the white matter structural connectome across the human lifespan. Human Brain Mapping, 2015, 36, 3777-3792.	1.9	170
1020	Discovery of Complex User Communities. Human-computer Interaction Series, 2015, , 1-22.	0.4	0
1021	Refining Social Graph Connectivity via Shortcut Edge Addition. ACM Transactions on Knowledge Discovery From Data, 2015, 10, 1-35.	2.5	33
1022	A Method of Link Prediction Based on Betweenness. Lecture Notes in Computer Science, 2015, , 228-235.	1.0	2
1023	Active discovery of network roles for predicting the classes of network nodes. Journal of Complex Networks, 2015, 3, 431-449.	1.1	11
1024	Local degree blocking model for link prediction in complex networks. Chaos, 2015, 25, 013115.	1.0	15
1025	Community Change Detection in Dynamic Networks in Noisy Environment. , 2015, , .		4
1026	Fuzzy overlapping community quality metrics. Social Network Analysis and Mining, 2015, 5, 1.	1.9	15
1027	Deep Community Detection. IEEE Transactions on Signal Processing, 2015, 63, 5706-5719.	3.2	37
1028	A novel measure to identify influential nodes in complex networks based on network global efficiency. Modern Physics Letters B, 2015, 29, 1550168.	1.0	5
1029	Publication and Coauthorship Networks of Hannu Oja. , 2015, , 7-27.		1
1030	Generalized Modularity for Community Detection. Lecture Notes in Computer Science, 2015, , 655-670.	1.0	3
1031	Attractive density: A new node similarity index of link prediction in complex networks. , 2015, , .		1
1032	Community detection based on strong Nash stable graph partition. Social Network Analysis and Mining, 2015, 5, 1.	1.9	11
1033	Enhancement to community-based multi-relational link prediction using co-occurrence probability feature. , 2015, , .		4
1034	Social ties, homophily and extraversion-introversion to generate complex networks. Social Network Analysis and Mining, 2015, 5, 1.	1.9	2
1035	Understanding Dynamic Social Grouping Behaviors of Pedestrians. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 317-329.	7.3	22

#	ARTICLE	IF	CITATIONS
1036	Locating multiple sources in social networks under the SIR model: A divide-and-conquer approach. <i>Journal of Computational Science</i> , 2015, 10, 278-287.	1.5	49
1037	A Dynamic Modularity Based Community Detection Algorithm for Large-scale Networks. , 2015, , .		22
1038	Memory Transmission in Small Groups and Large Networks. <i>Psychological Science</i> , 2015, 26, 1909-1917.	1.8	36
1039	Correlation Clustering with Constrained Cluster Sizes and Extended Weights Bounds. <i>SIAM Journal on Optimization</i> , 2015, 25, 1857-1872.	1.2	24
1040	Detecting Overlapping Communities with Triangle-Based Rough Local Expansion Method. <i>Lecture Notes in Computer Science</i> , 2015, , 446-456.	1.0	3
1041	Estimating robustness in large social graphs. <i>Knowledge and Information Systems</i> , 2015, 45, 645-678.	2.1	19
1042	Mining overlapping and hierarchical communities in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 421, 25-33.	1.2	23
1043	Greedy discrete particle swarm optimization for large-scale social network clustering. <i>Information Sciences</i> , 2015, 316, 503-516.	4.0	108
1044	CytoNCA: A cytoscape plugin for centrality analysis and evaluation of protein interaction networks. <i>BioSystems</i> , 2015, 127, 67-72.	0.9	813
1045	Community-based immunization in opportunistic social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 420, 85-97.	1.2	8
1046	Weighted k-shell decomposition for complex networks based on potential edge weights. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 420, 277-283.	1.2	65
1047	Detecting community structure via synchronous label propagation. <i>Neurocomputing</i> , 2015, 151, 1063-1075.	3.5	27
1048	A hybrid artificial immune network for detecting communities in complex networks. <i>Computing (Vienna/New York)</i> , 2015, 97, 483-507.	3.2	27
1049	A cellular learning automata based algorithm for detecting community structure in complex networks. <i>Neurocomputing</i> , 2015, 151, 1216-1226.	3.5	41
1050	Prediction of missing links based on multi-resolution community division. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 76-85.	1.2	29
1051	Detecting overlapping and hierarchical communities in complex network using interaction-based edge clustering. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 46-56.	1.2	24
1052	Vulnerability of complex networks under path-based attacks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 419, 622-629.	1.2	30
1053	Complex networks from experimental horizontal oilâ€™water flows: Community structure detection versus flow pattern discrimination. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 790-797.	0.9	11

#	ARTICLE	IF	CITATIONS
1054	Community Detection Algorithm Based on Artificial Fish Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 509-521.	0.5	15
1055	Abnormalities in structural covariance of cortical gyrification in schizophrenia. <i>Brain Structure and Function</i> , 2015, 220, 2059-2071.	1.2	72
1056	Clustering algorithm based on asymmetric similarity and paradigmatic features. <i>International Journal of Innovative Computing and Applications</i> , 2016, 7, 243.	0.2	0
1057	Detection of network communities with memory-biased random walk algorithms. <i>Journal of Complex Networks</i> , 0, , cnw007.	1.1	2
1058	Mesoscale analyses of fungal networks as an approach for quantifying phenotypic traits. <i>Journal of Complex Networks</i> , 2016, , cnv034.	1.1	11
1059	A Neighborhood-Impact Based Community Detection Algorithm via Discrete PSO. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-15.	0.6	10
1060	Political Parties and Campaign Finance Networks. , 2016, , .		3
1061	A Novel Water Supply Network Sectorization Methodology Based on a Complete Economic Analysis, Including Uncertainties. <i>Water (Switzerland)</i> , 2016, 8, 179.	1.2	43
1062	Structural Brain Network Characteristics Can Differentiate CIS from Early RRMS. <i>Frontiers in Neuroscience</i> , 2016, 10, 14.	1.4	68
1063	Single-Cell Transcriptional Analysis Reveals Novel Neuronal Phenotypes and Interaction Networks Involved in the Central Circadian Clock. <i>Frontiers in Neuroscience</i> , 2016, 10, 481.	1.4	64
1064	Mining $\hat{\nu}$ -Maximal Cliques from a Fuzzy Graph. <i>Sustainability</i> , 2016, 8, 553.	1.6	14
1065	How Is a Data-Driven Approach Better than Random Choice in Label Space Division for Multi-Label Classification?. <i>Entropy</i> , 2016, 18, 282.	1.1	37
1066	Conservation Status of the Indo-Pacific Humpback Dolphin (<i>Sousa chinensis</i>) in the Northern Beibu Gulf, China. <i>Advances in Marine Biology</i> , 2016, 73, 119-139.	0.7	32
1067	Oral Samples as Non-Invasive Proxies for Assessing the Composition of the Rumen Microbial Community. <i>PLoS ONE</i> , 2016, 11, e0151220.	1.1	70
1068	Network Analysis and Visualization of Mouse Retina Connectivity Data. <i>PLoS ONE</i> , 2016, 11, e0158626.	1.1	2
1069	Comprehensive Map of Molecules Implicated in Obesity. <i>PLoS ONE</i> , 2016, 11, e0146759.	1.1	17
1070	Community Evolution in International Migration Top1 Networks. <i>PLoS ONE</i> , 2016, 11, e0148615.	1.1	16
1071	Friendship Concept and Community Network Structure among Elementary School and University Students. <i>PLoS ONE</i> , 2016, 11, e0164886.	1.1	9

#	ARTICLE	IF	CITATIONS
1072	A Biased Review of Biases in Twitter Studies on Political Collective Action. <i>Frontiers in Physics</i> , 2016, 4, .	1.0	24
1073	A Comparative Analysis of Community Detection Algorithms on Artificial Networks. <i>SSRN Electronic Journal</i> , 2016, , .	0.4	2
1074	Influence maximization in social networks based on discrete particle swarm optimization. <i>Information Sciences</i> , 2016, 367-368, 600-614.	4.0	183
1076	Prediction of missing links and reconstruction of complex networks. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650120.	0.8	6
1077	Circularly Searching Core Nodes Based Label Propagation Algorithm for Community Detection. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2016, 30, 1659024.	0.7	9
1078	Network analysis of named entity co-occurrences in written texts. <i>Europhysics Letters</i> , 2016, 114, 58005.	0.7	6
1080	Investigation of similarity and diversity threshold networks generated from diversity-oriented and focused chemical libraries. <i>Journal of Mathematical Chemistry</i> , 2016, 54, 1916-1941.	0.7	1
1081	Social structure in a critically endangered Indo-Pacific humpback dolphin (<i>Sousa chinensis</i>) population. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016, 26, 517-529.	0.9	23
1082	An improved link prediction algorithm based on common neighbors index with community membership information. , 2016, , .		1
1083	Community detection in networks with node features. <i>Electronic Journal of Statistics</i> , 2016, 10, .	0.4	64
1084	A Social Network Graphics Segmentation Algorithm based on community-detection. , 2016, , .		1
1085	Link prediction algorithm based on the Choquet fuzzy integral. <i>Intelligent Data Analysis</i> , 2016, 20, 809-824.	0.4	2
1086	Community Detection Based on Variable Vertex Influence. , 2016, , .		3
1087	A Multi-objective Optimization Approach for Generating Complex Networks. , 2016, , .		3
1088	Finding overlapping communities based on heuristic rule and overlapping ratio. , 2016, , .		0
1089	Link community detection by non-negative matrix factorization with multi-step similarities. <i>Modern Physics Letters B</i> , 2016, 30, 1650370.	1.0	3
1090	Non-sharing communities? An empirical study of community detection for access control decisions. , 2016, , .		7
1091	Seeded PageRank solution paths. <i>European Journal of Applied Mathematics</i> , 2016, 27, 812-845.	1.4	13

#	ARTICLE	IF	CITATIONS
1092	Applying Community Detection Methods to Cluster Tags in Multimedia Search Results. , 2016, , .		3
1093	A Spectral Clustering Approach Based on Modularity Maximization for Community Detection Problem. , 2016, , .		8
1094	Discrete Group Search Optimizer for community detection in multidimensional social network. , 2016, , .		2
1095	Faster Univariate Microaggregation for Power Law Distributions: k-Degree-Anonymity for Big Graphs. , 2016, , .		1
1096	Community Detection in Complicated Network Based on the Multi-view Weighted Signed Permanence. , 2016, , .		1
1097	A multi-agent genetic algorithm for local community detection by extending the tightest nodes. , 2016, , .		6
1098	Effective and efficient graph augmentation in large graphs. , 2016, , .		2
1099	A Density-Based Seed-Centric Community Detection Algorithm. , 2016, , .		3
1100	Graph distance for complex networks. Scientific Reports, 2016, 6, 34944.	1.6	21
1101	Mining complex hyperspectral ALMA cubes for structure with neural machine learning. , 2016, , .		6
1102	Systematic identification of protein combinations mediating chromatin looping. Nature Communications, 2016, 7, 12249.	5.8	38
1103	Predicting missing links in complex networks based on common neighbors and distance. Scientific Reports, 2016, 6, 38208.	1.6	36
1104	Spreading to localized targets in complex networks. Scientific Reports, 2016, 6, 38865.	1.6	17
1105	A perturbation-based framework for link prediction via non-negative matrix factorization. Scientific Reports, 2016, 6, 38938.	1.6	39
1106	Forman curvature for complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 063206.	0.9	95
1107	Privacy preserving anonymization of social networks using eigenvector centrality approach. Intelligent Data Analysis, 2016, 20, 543-560.	0.4	3
1108	Quantization Effects on Complex Networks. Scientific Reports, 2016, 6, 26733.	1.6	3
1109	A novel approach based on the minimum spanning tree to discover communities in social networks. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
1110	Control efficacy of complex networks. Scientific Reports, 2016, 6, 28037.	1.6	9
1111	A multi-objective genetic algorithm for community detection in weighted networks. , 2016, , .		12
1112	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
1113	Properties of latent variable network models. Network Science, 2016, 4, 407-432.	0.8	29
1114	Multi-resolution community detection in massive networks. Scientific Reports, 2016, 6, 38998.	1.6	13
1115	System self-awareness towards deep learning and discovering high-value information. , 2016, , .		2
1116	Communities detection based services, time and location. , 2016, , .		0
1117	Mining social interactions in privacy-preserving temporal networks. , 2016, , .		10
1118	Effects of rounding-off approximation on quantization of complex networks. , 2016, , .		0
1119	A fast and complete algorithm for enumerating pseudo-cliques in large graphs. International Journal of Data Science and Analytics, 2016, 2, 145-158.	2.4	7
1120	Dynamical detection of network communities. Scientific Reports, 2016, 6, 25570.	1.6	17
1121	An integrative and comparative study of pan-cancer transcriptomes reveals distinct cancer common and specific signatures. Scientific Reports, 2016, 6, 33398.	1.6	31
1122	Super-Spreader Identification Using Meta-Centrality. Scientific Reports, 2016, 6, 38994.	1.6	23
1123	Using eigenvectors of perturbed and collapsed adjacency matrices to explore bowtie structures in directed networks. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan, 2016, 39, 936-945.	0.6	3
1124	Finding Communities by Their Centers. Scientific Reports, 2016, 6, 24017.	1.6	20
1125	Modular reconfiguration of metabolic brain networks in health and cancer: A resting-state PET study. , 2016, , .		2
1126	Spectral consensus strategy for accurate reconstruction of large biological networks. BMC Bioinformatics, 2016, 17, 493.	1.2	10
1127	Community detection by label propagation with compression of flow. European Physical Journal B, 2016, 89, 1.	0.6	13

#	ARTICLE	IF	CITATIONS
1128	Homophily, Structure, and Content Augmented Network Representation Learning. , 2016, , .		62
1129	Inferring lockstep behavior from connectivity pattern in large graphs. Knowledge and Information Systems, 2016, 48, 399-428.	2.1	31
1130	A link prediction algorithm based on label propagation. Journal of Computational Science, 2016, 16, 43-50.	1.5	20
1131	Conflict graph based Community Detection. , 2016, , .		0
1132	Altered modular organization in schizophrenia patients and analysis using supervised association rule mining. Biocybernetics and Biomedical Engineering, 2016, 36, 397-412.	3.3	3
1133	Fast ranking influential nodes in complex networks using a k-shell iteration factor. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 171-181.	1.2	105
1134	An evaluation-committee recommendation system for national R&D projects using social network analysis. Cluster Computing, 2016, 19, 921-930.	3.5	4
1135	Correlation enhanced modularity-based belief propagation method for community detection in networks. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 053301.	0.9	6
1136	Maximal Assortative Matching and Maximal Dissortative Matching for Complex Network Graphs. Computer Journal, 2016, 59, 667-684.	1.5	10
1137	Clustering Network Layers with the Strata Multilayer Stochastic Block Model. IEEE Transactions on Network Science and Engineering, 2016, 3, 95-105.	4.1	90
1138	Decompositions of Triangle-Dense Graphs. SIAM Journal on Computing, 2016, 45, 197-215.	0.8	5
1139	Identifying Influence of Nodes in Complex Networks with Coreness Centrality: Decreasing the Impact of Densely Local Connection. Chinese Physics Letters, 2016, 33, 028901.	1.3	13
1140	Link prediction based on hyperbolic mapping with community structure for complex networks. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 609-623.	1.2	44
1141	Dynamic structure evolution of time-dependent network. Physica A: Statistical Mechanics and Its Applications, 2016, 456, 347-358.	1.2	7
1142	Community structure in traffic zones based on travel demand. Physica A: Statistical Mechanics and Its Applications, 2016, 457, 356-363.	1.2	14
1143	An improved label propagation algorithm using average node energy in complex networks. Physica A: Statistical Mechanics and Its Applications, 2016, 460, 98-104.	1.2	10
1144	Quantifying Political Leaning from Tweets, Retweets, and Retweeters. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2158-2172.	4.0	72
1146	Practical anonymity models on protecting private weighted graphs. Neurocomputing, 2016, 218, 359-370.	3.5	6

#	ARTICLE	IF	CITATIONS
1147	An efficient shortest path approach for social networks based on community structure. CAAI Transactions on Intelligence Technology, 2016, 1, 114-123.	3.4	18
1148	A new multi-objective evolutionary framework for community mining in dynamic social networks. Swarm and Evolutionary Computation, 2016, 31, 90-109.	4.5	23
1149	Community Detection Based on Local Similarity Index in Chinese Aviation Network. Lecture Notes in Electrical Engineering, 2016, , 541-552.	0.3	0
1150	Global Community Connectivity of Complex Networks. Communications in Computer and Information Science, 2016, , 319-329.	0.4	0
1151	Discrete Group Search Optimizer for Community Detection in Social Networks. Lecture Notes in Computer Science, 2016, , 439-448.	1.0	1
1152	A fuzzy adaptive resonance theory inspired overlapping community detection method for online social networks. Knowledge-Based Systems, 2016, 113, 75-87.	4.0	11
1154	A Rough Connectedness Algorithm for Mining Communities in Complex Networks. Lecture Notes in Computer Science, 2016, , 34-48.	1.0	9
1155	SCIFNET: Stance community identification of topic persons using friendship network analysis. Knowledge-Based Systems, 2016, 110, 30-48.	4.0	2
1156	Integrating cross-frequency and within band functional networks in resting-state MEG: A multi-layer network approach. NeuroImage, 2016, 142, 324-336.	2.1	104
1157	Sampling algorithms for weighted networks. Social Network Analysis and Mining, 2016, 6, 1.	1.9	13
1158	Hypothesis Testing for Automated Community Detection in Networks. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2016, 78, 253-273.	1.1	88
1159	Feature identification for predicting community evolution in dynamic social networks. Engineering Applications of Artificial Intelligence, 2016, 55, 202-218.	4.3	30
1160	Comparison of Graph Node Distances on Clustering Tasks. Lecture Notes in Computer Science, 2016, , 192-201.	1.0	19
1161	Detecting and refining overlapping regions in complex networks with three-way decisions. Information Sciences, 2016, 373, 21-41.	4.0	66
1162	Application of network analysis to identify interactive systems of eating disorder psychopathology. Psychological Medicine, 2016, 46, 2667-2677.	2.7	84
1163	Statistical physics of inference: thresholds and algorithms. Advances in Physics, 2016, 65, 453-552.	35.9	211
1164	Delocalized epidemics on graphs: A maximum entropy approach. , 2016, , .		1
1165	Detecting Hierarchical Communities in Networks: A New Approach. Trends in Mathematics, 2016, , 19-37.	0.1	1

#	ARTICLE	IF	CITATIONS
1166	Spectral properties of the hierarchical product of graphs. <i>Physical Review E</i> , 2016, 94, 052311.	0.8	4
1167	Equivalence between modularity optimization and maximum likelihood methods for community detection. <i>Physical Review E</i> , 2016, 94, 052315.	0.8	215
1168	Cultural Phylogenetics: Concepts and Applications in Archaeology. Edited by Larissa Mendoza Straffon.. <i>Systematic Biology</i> , 0, , syw085.	2.7	0
1169	Link prediction using matrix factorization with bagging. , 2016, , .		9
1170	Highly efficient epidemic spreading model based LPA threshold community detection method. <i>Neurocomputing</i> , 2016, 210, 3-12.	3.5	15
1171	A Maximal Clique Based Multiobjective Evolutionary Algorithm for Overlapping Community Detection. <i>IEEE Transactions on Evolutionary Computation</i> , 2016, , 1-1.	7.5	48
1172	A new multi-scale method to reveal hierarchical modular structures in biological networks. <i>Molecular BioSystems</i> , 2016, 12, 3724-3733.	2.9	2
1173	Vulnerability of complex networks under three-level-tree attacks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 462, 674-683.	1.2	22
1174	Temporal dynamics of connectivity and epidemic properties of growing networks. <i>Physical Review E</i> , 2016, 93, 012301.	0.8	3
1175	Comprehensive spectral approach for community structure analysis on complex networks. <i>Physical Review E</i> , 2016, 93, 022301.	0.8	0
1176	Beyond the locally treelike approximation for percolation on real networks. <i>Physical Review E</i> , 2016, 93, 030302.	0.8	48
1177	Role of structural holes in containing spreading processes. <i>Physical Review E</i> , 2016, 93, 032312.	0.8	8
1178	Emergence of coexisting percolating clusters in networks. <i>Physical Review E</i> , 2016, 93, 062308.	0.8	7
1179	A flexible methodology to sectorize water supply networks based on social network theory concepts and multi-objective optimization. <i>Journal of Hydroinformatics</i> , 2016, 18, 62-76.	1.1	45
1180	A divisive spectral method for network community detection. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 033403.	0.9	23
1181	Eigenvectors of random matrices: A survey. <i>Journal of Combinatorial Theory - Series A</i> , 2016, 144, 361-442.	0.5	44
1182	Eigenvector dynamics under perturbation of modular networks. <i>Physical Review E</i> , 2016, 93, 062312.	0.8	5
1183	How Information Spreads in Online Social Networks. <i>Advances in Business and Management Forecasting</i> , 2016, , 209-235.	1.1	0

#	ARTICLE	IF	CITATIONS
1184	MobiPot. , 2016, , .		19
1186	Partitioning Networks with Node Attributes by Compressing Information Flow. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-26.	2.5	54
1187	Sampling and Merging for Graph Anonymization. Lecture Notes in Computer Science, 2016, , 250-260.	1.0	1
1188	A Comparative Analysis of Community Detection Algorithms on Artificial Networks. Scientific Reports, 2016, 6, 30750.	1.6	463
1189	Modularity optimization by Global-Local Search. , 2016, , .		0
1190	Clique-Based Locally Consistent Latent Space Clustering for Community Detection. Communications in Computer and Information Science, 2016, , 675-689.	0.4	0
1191	Predicting top- <i>L</i> missing links with node and link clustering information in large-scale networks. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 083202.	0.9	28
1192	Scaling in topological properties of brain networks. Scientific Reports, 2016, 6, 24926.	1.6	21
1193	Content Centrality Measure for Networks: Introducing Distance-Based Decay Weights. Lecture Notes in Computer Science, 2016, , 40-54.	1.0	1
1194	A Community Detection Algorithm Considering Edge Betweenness and Vertex Similarity. Lecture Notes in Computer Science, 2016, , 243-251.	1.0	0
1195	Localization of dominant eigenpairs and planted communities by means of Frobenius inner products. Czechoslovak Mathematical Journal, 2016, 66, 881-893.	0.3	1
1196	A Link-Density-Based Algorithm for Finding Communities in Social Networks. Lecture Notes in Computer Science, 2016, , 76-85.	1.0	6
1197	Testing the Significance of Connectivity Networks: Comparison of Different Assessing Procedures. IEEE Transactions on Biomedical Engineering, 2016, 63, 2461-2473.	2.5	30
1198	Discovering communities in complex networks by edge label propagation. Scientific Reports, 2016, 6, 22470.	1.6	37
1199	Hierarchical organization of functional connectivity in the mouse brain: a complex network approach. Scientific Reports, 2016, 6, 32060.	1.6	28
1200	Optimization via low-rank approximation for community detection in networks. Annals of Statistics, 2016, 44, .	1.4	17
1201	A Brief Review of Spin-Glass Applications in Unsupervised and Semi-supervised Learning. Lecture Notes in Computer Science, 2016, , 579-586.	1.0	1
1202	A fast community detection algorithm. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
1203	Measuring the robustness of link prediction algorithms under noisy environment. Scientific Reports, 2016, 6, 18881.	1.6	26
1204	Accelerating coordination in temporal networks by engineering the link order. Scientific Reports, 2016, 6, 22105.	1.6	8
1205	Random matrix improved community detection in heterogeneous networks. , 2016, , .		1
1206	A new method for identifying influential nodes and important edges in complex networks. Wuhan University Journal of Natural Sciences, 2016, 21, 267-276.	0.2	1
1207	Efficiency-modularity for finding communities and anticommunities in networks. Journal of Complex Networks, 0, , cnw012.	1.1	2
1208	A community detection technique for research collaboration networks based on frequent collaborators cores. , 2016, , .		3
1209	Alpha-anonymization techniques for privacy preservation in social networks. Social Network Analysis and Mining, 2016, 6, 1.	1.9	2
1210	Dissecting discursive contention: A relational analysis of the Dutch debate on minority integration, 1990â€“2006. Social Networks, 2016, 47, 107-115.	1.3	9
1211	Modular genetic regulatory networks increase organization during pattern formation. BioSystems, 2016, 146, 77-84.	0.9	5
1212	Big Network Analytics Based on Nonconvex Optimization. Studies in Big Data, 2016, , 345-373.	0.8	1
1213	Maximal assortative matching for real-world network graphs, random network graphs and scale-free network graphs. Vietnam Journal of Computer Science, 2016, 3, 151-179.	1.0	2
1214	Maximal assortative matching for complex network graphs. Journal of King Saud University - Computer and Information Sciences, 2016, 28, 230-246.	2.7	0
1215	Measuring mixing patterns in complex networks by Spearman rank correlation coefficient. Physica A: Statistical Mechanics and Its Applications, 2016, 451, 440-450.	1.2	121
1216	Detection of functional brain network reconfiguration during task-driven cognitive states. NeuroImage, 2016, 142, 198-210.	2.1	145
1217	A multiobjective evolutionary algorithm to find community structures based on affinity propagation. Physica A: Statistical Mechanics and Its Applications, 2016, 453, 203-227.	1.2	54
1218	Relationships between network's structure features and link prediction algorithms. , 2016, , .		1
1219	Trust, tribalism and tweets: has political polarization made science a â€œwedge issueâ€?. Climate Change Responses, 2016, 3, .	2.6	26
1220	Community detection enhancement using non-negative matrix factorization with graph regularization. International Journal of Modern Physics B, 2016, 30, 1650130.	1.0	7

#	ARTICLE	IF	CITATIONS
1221	Locality-sensitive and Re-use Promoting Personalized PageRank computations. Knowledge and Information Systems, 2016, 47, 261-299.	2.1	3
1222	CHIMERA: Top-down model for hierarchical, overlapping and directed cluster structures in directed and weighted complex networks. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 384-408.	1.2	6
1223	Partial Directed Coherence. , 2016, , 73-90.		3
1224	Diffusion filtering of graph signals and its use in recommendation systems. , 2016, , .		21
1225	A model of collaboration network formation with heterogeneous skills. Network Science, 2016, 4, 188-215.	0.8	4
1226	Scale-space module detection for random fields observed on a graph non-embedded in a metric space. Pattern Analysis and Applications, 2016, 19, 665-678.	3.1	0
1227	Slime Mould Inspired Applications on Graph-Optimization Problems. Emergence, Complexity and Computation, 2016, , 519-562.	0.2	7
1228	The H-index of a network node and its relation to degree and coreness. Nature Communications, 2016, 7, 10168.	5.8	447
1229	Network structure exploration in networks with node attributes. Physica A: Statistical Mechanics and Its Applications, 2016, 449, 240-253.	1.2	20
1230	The adaptive dynamic community detection algorithm based on the non-homogeneous random walking. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 241-252.	1.2	22
1231	A novel green algorithm for sampling complex networks. Journal of Network and Computer Applications, 2016, 59, 55-62.	5.8	11
1232	The Kuramoto model in complex networks. Physics Reports, 2016, 610, 1-98.	10.3	633
1233	Characterizing and Comparing Phylogenies from their Laplacian Spectrum. Systematic Biology, 2016, 65, 495-507.	2.7	65
1234	Discriminating complex networks through supervised NDR and Bayesian classifier. International Journal of Modern Physics C, 2016, 27, 1650051.	0.8	0
1235	Degree distribution and assortativity in line graphs of complex networks. Physica A: Statistical Mechanics and Its Applications, 2016, 445, 343-356.	1.2	13
1236	Community Detection in Temporal Multilayer Networks, with an Application to Correlation Networks. Multiscale Modeling and Simulation, 2016, 14, 1-41.	0.6	151
1237	Snowball sampling for estimating exponential random graph models for large networks. Social Networks, 2016, 47, 167-188.	1.3	38
1238	Evolving Scale-Free Networks by Poisson Process: Modeling and Degree Distribution. IEEE Transactions on Cybernetics, 2016, 46, 1144-1155.	6.2	28

#	ARTICLE	IF	CITATIONS
1239	Null models for community detection in spatially embedded, temporal networks. <i>Journal of Complex Networks</i> , 2016, 4, 363-406.	1.1	56
1240	Bacterioplankton community resilience to ocean acidification: evidence from microbial network analysis. <i>ICES Journal of Marine Science</i> , 2016, 73, 865-875.	1.2	67
1241	Identifying influential spreaders in complex networks based on gravity formula. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 451, 205-212.	1.2	209
1242	Chimera state and route to explosive synchronization. <i>Chaos, Solitons and Fractals</i> , 2016, 86, 75-81.	2.5	12
1243	Fast extraction of the backbone of projected bipartite networks to aid community detection. <i>Europhysics Letters</i> , 2016, 113, 28003.	0.7	12
1244	Topological similarity as a proxy to content similarity. <i>Journal of Complex Networks</i> , 2016, 4, 38-60.	1.1	3
1246	Network-Based Unsupervised Learning. , 2016, , 143-180.		1
1247	Prediction of missing links based on community relevance and ruler inference. <i>Knowledge-Based Systems</i> , 2016, 98, 200-215.	4.0	53
1248	Robust Vertex Classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016, 38, 578-590.	9.7	7
1249	Using adjacency matrices to lay out larger small-world networks. <i>Applied Soft Computing Journal</i> , 2016, 42, 80-92.	4.1	9
1250	The (un)supervised NMF methods for discovering overlapping communities as well as hubs and outliers in networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 446, 22-34.	1.2	12
1251	Signals on graphs: Transforms and tomograms. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 450, 1-17.	1.2	6
1252	The social network structure of a dynamic group of dairy cows: From individual to group level patterns. <i>Applied Animal Behaviour Science</i> , 2016, 174, 1-10.	0.8	91
1253	Adaptive degree penalization for link prediction. <i>Journal of Computational Science</i> , 2016, 13, 1-9.	1.5	30
1254	Localized eigenvectors of the non-backtracking matrix. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 023404.	0.9	16
1255	Identifying overlapping communities in networks using evolutionary method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 442, 182-192.	1.2	12
1256	Evolutionary community discovery in dynamic networks based on leader nodes. , 2016, , .		1
1257	Scalably revealing the dynamics of soft community structure in complex networks. <i>Journal of Systems Science and Complexity</i> , 2016, 29, 1071-1088.	1.6	7

#	ARTICLE	IF	CITATIONS
1258	Intrinsic functional network architecture of human semantic processing: Modules and hubs. <i>NeuroImage</i> , 2016, 132, 542-555.	2.1	110
1259	Spectral properties of sums of Hermitian matrices and algebraic geometry. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 155301.	0.7	0
1260	Identifying influential spreaders by weight degree centrality in complex networks. <i>Chaos, Solitons and Fractals</i> , 2016, 86, 1-7.	2.5	43
1261	Using mapping entropy to identify node centrality in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 453, 290-297.	1.2	69
1262	The degree-related clustering coefficient and its application to link prediction. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 454, 24-33.	1.2	35
1263	Community Detection in Multi-Partite Multi-Relational Networks Based on Information Compression. <i>New Generation Computing</i> , 2016, 34, 153-176.	2.5	2
1264	Emergence of a multilayer structure in adaptive networks of phase oscillators. <i>Chaos, Solitons and Fractals</i> , 2016, 84, 23-30.	2.5	32
1265	Quantifying loss of information in network-based dimensionality reduction techniques. <i>Journal of Complex Networks</i> , 2016, 4, 342-362.	1.1	16
1266	A general method of community detection by identifying community centers with affinity propagation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 447, 508-519.	1.2	19
1267	A New Adaptive Genetic Algorithm for Community Structure Detection. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016, , 43-55.	1.5	3
1268	Improving the performance of evolutionary multi-objective co-clustering models for community detection in complex social networks. <i>Swarm and Evolutionary Computation</i> , 2016, 26, 137-156.	4.5	28
1269	Community Detection in Bipartite Networks: Algorithms and Case studies. <i>Understanding Complex Systems</i> , 2016, , 25-50.	0.3	31
1270	Link prediction based on local information considering preferential attachment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 537-542.	1.2	34
1271	Influence of edge weight on node proximity based link prediction methods: An empirical analysis. <i>Neurocomputing</i> , 2016, 172, 71-83.	3.5	32
1272	Least Cost Influence Maximization Across Multiple Social Networks. <i>IEEE/ACM Transactions on Networking</i> , 2016, 24, 929-939.	2.6	71
1273	Geodesic distance based fuzzy c-medoid clustering " searching for central points in graphs and high dimensional data. <i>Fuzzy Sets and Systems</i> , 2016, 286, 157-172.	1.6	14
1274	A New Method for Extracting the Hierarchical Organization of Networks. <i>International Journal of Information Technology and Decision Making</i> , 2017, 16, 1359-1385.	2.3	0
1275	Overlapping community detection in complex networks using multi-objective evolutionary algorithm. <i>Computational and Applied Mathematics</i> , 2017, 36, 749-768.	1.3	18

#	ARTICLE	IF	CITATIONS
1276	Botnet Detection Based on Anomaly and Community Detection. IEEE Transactions on Control of Network Systems, 2017, 4, 392-404.	2.4	72
1277	TasteMiner: Mining partial tastes for neighbor-based collaborative filtering. Journal of Intelligent Information Systems, 2017, 48, 165-189.	2.8	6
1278	-\$k^{k}\$ -anonymization of multiple shortest paths. Soft Computing, 2017, 21, 4215-4226.	2.1	4
1279	Altered modular organization of intrinsic brain functional networks in patients with Parkinson's disease. Brain Imaging and Behavior, 2017, 11, 430-443.	1.1	27
1280	A Community Structure-Based Approach for Network Immunization. Computational Intelligence, 2017, 33, 77-98.	2.1	8
1281	Feature network-driven quadrant mapping for summarizing customer reviews. Journal of Systems Science and Systems Engineering, 2017, 26, 646-664.	0.8	3
1282	Identifying important nodes by adaptive LeaderRank. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 654-664.	1.2	46
1283	Are We Birds of the Same Feather?. , 2017, , .		0
1284	Community detection in complex networks: Multi-objective discrete backtracking search optimization algorithm with decomposition. Applied Soft Computing Journal, 2017, 53, 285-295.	4.1	56
1285	Stepping community detection algorithm based on label propagation and similarity. Physica A: Statistical Mechanics and Its Applications, 2017, 472, 145-155.	1.2	41
1286	A model for evolution of overlapping community networks. Physica A: Statistical Mechanics and Its Applications, 2017, 474, 380-390.	1.2	13
1287	Fast graph clustering with a new description model for community detection. Information Sciences, 2017, 388-389, 37-47.	4.0	52
1288	A Deep Stochastic Model for Detecting Community in Complex Networks. Journal of Statistical Physics, 2017, 166, 230-243.	0.5	4
1289	Fitness networks for real world systems via modified preferential attachment. Physica A: Statistical Mechanics and Its Applications, 2017, 474, 49-60.	1.2	16
1290	Measuring in-network node similarity based on neighborhoods: a unified parametric approach. Knowledge and Information Systems, 2017, 53, 43-70.	2.1	4
1291	A group evolving-based framework with perturbations for link prediction. Physica A: Statistical Mechanics and Its Applications, 2017, 475, 117-128.	1.2	9
1292	The many facets of community detection in complex networks. Applied Network Science, 2017, 2, 4.	0.8	125
1293	Evolution monitoring for innovation sources using patent cluster analysis. Scientometrics, 2017, 111, 693-715.	1.6	6

#	ARTICLE	IF	CITATIONS
1294	Efficient calculation of the robustness measure R for complex networks. Physica A: Statistical Mechanics and Its Applications, 2017, 478, 63-68.	1.2	13
1295	Community Detection in Complex Networks: A Novel Approach Based on Ant Lion Optimizer. Advances in Intelligent Systems and Computing, 2017, , 22-34.	0.5	2
1296	Identifying influential nodes in complex networks based on AHP. Physica A: Statistical Mechanics and Its Applications, 2017, 479, 422-436.	1.2	95
1297	Study on similarity based on connection degree in social network. Cluster Computing, 2017, 20, 167-178.	3.5	3
1298	Anomalous single-subject based morphological cortical networks in drug-naive, first-episode major depressive disorder. Human Brain Mapping, 2017, 38, 2482-2494.	1.9	36
1299	A novel weight neighborhood centrality algorithm for identifying influential spreaders in complex networks. Physica A: Statistical Mechanics and Its Applications, 2017, 475, 88-105.	1.2	61
1300	Maximizing influence in a social network: Improved results using a genetic algorithm. Physica A: Statistical Mechanics and Its Applications, 2017, 478, 20-30.	1.2	62
1301	Iterative Neighbour-Information Gathering for Ranking Nodes in Complex Networks. Scientific Reports, 2017, 7, 41321.	1.6	19
1302	A three-degree horizon of peace in the military alliance network. Science Advances, 2017, 3, e1601895.	4.7	15
1303	On the eigenfunctions of dynamic graphs: Fast tracking and attribution algorithms. Statistical Analysis and Data Mining, 2017, 10, 121-135.	1.4	8
1304	Analyzing evolutionary optimization and community detection algorithms using regression line dominance. Information Sciences, 2017, 396, 185-201.	4.0	30
1305	Cascading failures of interdependent networks with different k -core structures. Modern Physics Letters B, 2017, 31, 1750112.	1.0	6
1306	Community detection in social networks with node attributes based on multi-objective biogeography based optimization. Engineering Applications of Artificial Intelligence, 2017, 62, 51-67.	4.3	37
1307	A statistical framework for data integration through graphical models with application to cancer genomics. Annals of Applied Statistics, 2017, 11, 161-184.	0.5	19
1308	Microbial communities and diazotrophic activity differ in the root-zone of Alamo and Dacotah switchgrass feedstocks. GCB Bioenergy, 2017, 9, 1057-1070.	2.5	24
1309	Global biogeography of Albian ammonoids: A network-based approach. Geology, 2017, 45, 659-662.	2.0	23
1310	Exploring anti-community structure in networks with application to incompatibility of traditional Chinese medicine. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 31-43.	1.2	3
1311	Detecting community structure in networks via consensus dynamics and spatial transformation. Physica A: Statistical Mechanics and Its Applications, 2017, 483, 156-170.	1.2	8

#	ARTICLE	IF	CITATIONS
1312	A SAT-Based Framework for Overlapping Community Detection in Networks. Lecture Notes in Computer Science, 2017, , 786-798.	1.0	9
1313	Complex Networks Theory For Modern Smart Grid Applications: A Survey. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 177-191.	2.7	81
1314	Pseudo paths towards minimum energy states in network dynamics. Physica A: Statistical Mechanics and Its Applications, 2017, 483, 109-116.	1.2	21
1315	Online election campaigning: Identifying political parties using likes and comments. Studies in Computational Intelligence, 2017, , 619-630.	0.7	1
1316	Design Methodology for Thin-Film Transistor Based Pseudo-CMOS Logic Array with Multi-Layer Interconnect Architecture. , 2017, , .		2
1317	Evolving network structure of academic institutions. Applied Network Science, 2017, 2, 1.	0.8	18
1318	Dysregulation of cytokine pathways in chronic fatigue syndrome and multiple sclerosis. Fatigue: Biomedicine, Health and Behavior, 2017, 5, 145-158.	1.2	2
1319	Identification of leader and self-organizing communities in complex networks. Scientific Reports, 2017, 7, 704.	1.6	7
1320	Likelihood-based model selection for stochastic block models. Annals of Statistics, 2017, 45, .	1.4	91
1321	Promoting information spreading by using contact memory. Europhysics Letters, 2017, 118, 18001.	0.7	28
1322	Correlation Clustering with Low-Rank Matrices. , 2017, , .		1
1323	Randomness Index for complex network analysis. Social Network Analysis and Mining, 2017, 7, 1.	1.9	4
1324	Topological features of a gene co-expression network predict patterns of natural diversity in environmental response. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170914.	1.2	24
1325	Small-world bias of correlation networks: From brain to climate. Chaos, 2017, 27, 035812.	1.0	25
1326	A spectral method to detect community structure based on distance modularity matrix. International Journal of Modern Physics B, 2017, 31, 1750129.	1.0	4
1327	Link Prediction by Network Analysis. Lecture Notes in Social Networks, 2017, , 97-114.	0.8	4
1328	Mining Community Structure with Node Embeddings. Lecture Notes in Social Networks, 2017, , 123-140.	0.8	1
1329	An algorithm Walktrap-SPM for detecting overlapping community structure. International Journal of Modern Physics B, 2017, 31, 1750121.	1.0	5

#	ARTICLE	IF	CITATIONS
1330	The 3-cycle weighted spectral distribution in evolving community-based networks. <i>Chaos</i> , 2017, 27, 033109.	1.0	6
1331	How clustering affects epidemics in complex networks. , 2017, , .		5
1332	Nonparametric Bayesian inference of the microcanonical stochastic block model. <i>Physical Review E</i> , 2017, 95, 012317.	0.8	109
1333	DANCer: dynamic attributed networks with community structure generation. <i>Knowledge and Information Systems</i> , 2017, 53, 109-151.	2.1	17
1334	Theta Burst Stimulation of the Precuneus Modulates Resting State Connectivity in the Left Temporal Pole. <i>Brain Topography</i> , 2017, 30, 312-319.	0.8	24
1335	Temporal community detection based on symmetric nonnegative matrix factorization. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750102.	1.0	7
1336	Magnetic eigenmaps for community detection in directed networks. <i>Physical Review E</i> , 2017, 95, 022302.	0.8	22
1337	Mapping the functional connectome in traumatic brain injury: What can graph metrics tell us?. <i>NeuroImage</i> , 2017, 160, 113-123.	2.1	93
1338	Link prediction in complex networks based on an information allocation index. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 470, 1-11.	1.2	23
1339	Probability-Based Multi-hop Diffusion Method for Influence Maximization in Social Networks. <i>Wireless Personal Communications</i> , 2017, 93, 903-916.	1.8	31
1340	A Survey of Link Prediction in Complex Networks. <i>ACM Computing Surveys</i> , 2017, 49, 1-33.	16.1	374
1341	The science of science: From the perspective of complex systems. <i>Physics Reports</i> , 2017, 714-715, 1-73.	10.3	234
1342	Modularity-Driven Kernel k-means for Community Detection. <i>Lecture Notes in Computer Science</i> , 2017, , 423-433.	1.0	5
1343	Anti-Fragmentation of Resting-State Functional Magnetic Resonance Imaging Connectivity Networks with Node-Wise Thresholding. <i>Brain Connectivity</i> , 2017, 7, 504-514.	0.8	0
1344	Network Disruption in the Preclinical Stages of Alzheimer's Disease: From Subjective Cognitive Decline to Mild Cognitive Impairment. <i>International Journal of Neural Systems</i> , 2017, 27, 1750041.	3.2	58
1345	Multitarget search on complex networks: A logarithmic growth of global mean random cover time. <i>Chaos</i> , 2017, 27, 093103.	1.0	11
1346	A dynamical approach to identify vertices' centrality in complex networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3972-3977.	0.9	1
1347	Eccentricity approximating trees. <i>Discrete Applied Mathematics</i> , 2017, 232, 142-156.	0.5	9

#	ARTICLE	IF	CITATIONS
1348	Community detection based on influence power. Applied Informatics, 2017, 4, .	0.5	4
1349	Self-organisation of small-world networks by adaptive rewiring in response to graph diffusion. Scientific Reports, 2017, 7, 13158.	1.6	22
1350	Spectral estimation of the percolation transition in clustered networks. Physical Review E, 2017, 96, 042303.	0.8	9
1351	A novel two-step approach for overlapping community detection in social networks. Social Network Analysis and Mining, 2017, 7, 1.	1.9	15
1352	Kernel framework based on non-negative matrix factorization for networks reconstruction and link prediction. Knowledge-Based Systems, 2017, 137, 104-114.	4.0	26
1353	The impact of interaction and algorithm choice on identified communities. , 2017, , .		0
1354	Explicitly and implicitly exploiting the hierarchical structure for mining website interests on news events. Information Sciences, 2017, 420, 263-277.	4.0	7
1355	A hybrid evolutionary algorithm for community detection. , 2017, , .		3
1356	Dynamical networks: Finding, measuring, and tracking neural population activity using network science. Network Neuroscience, 2017, 1, 324-338.	1.4	19
1357	Revealing how network structure affects accuracy of link prediction. European Physical Journal B, 2017, 90, 1.	0.6	7
1358	Fast and Flexible Top- k Similarity Search on Large Networks. ACM Transactions on Information Systems, 2018, 36, 1-30.	3.8	18
1359	GEMFsim: A stochastic simulator for the generalized epidemic modeling framework. Journal of Computational Science, 2017, 22, 36-44.	1.5	39
1360	A Declarative Approach to Constrained Community Detection. Lecture Notes in Computer Science, 2017, , 477-494.	1.0	8
1361	A new method to identify influential nodes based on relative entropy. Chaos, Solitons and Fractals, 2017, 104, 257-267.	2.5	52
1362	Accurate ranking of influential spreaders in networks based on dynamically asymmetric link weights. Physical Review E, 2017, 96, 022323.	0.8	30
1363	Community Cut-off Attack on Malicious Networks. Communications in Computer and Information Science, 2017, , 697-708.	0.4	3
1364	Random walks and diffusion on networks. Physics Reports, 2017, 716-717, 1-58.	10.3	420
1365	Influential nodes ranking in complex networks: An entropy-based approach. Chaos, Solitons and Fractals, 2017, 104, 485-494.	2.5	62

#	ARTICLE	IF	CITATIONS
1366	Identifying Causes of Patterns in Ecological Networks: Opportunities and Limitations. Annual Review of Ecology, Evolution, and Systematics, 2017, 48, 559-584.	3.8	152
1367	Brain connectivity networks at the basis of human attention components: An EEG study. , 2017, 2017, 3953-3956.		2
1368	The responses and adaptations of microbial communities to salinity in farmland soils: A molecular ecological network analysis. Applied Soil Ecology, 2017, 120, 239-246.	2.1	76
1369	Community mining using three closely joint techniques based on community mutual membership and refinement strategy. Applied Soft Computing Journal, 2017, 61, 1060-1073.	4.1	32
1370	Efficient method for estimating the number of communities in a network. Physical Review E, 2017, 96, 032310.	0.8	47
1371	Community evolution analysis based on co-author network: a case study of academic communities of the journal of "Annals of the Association of American Geographers". Scientometrics, 2017, 113, 845-865.	1.6	7
1372	Seeds Buffering for Information Spreading Processes. Lecture Notes in Computer Science, 2017, , 628-641.	1.0	6
1373	Loss of brain inter-frequency hubs in Alzheimer's disease. Scientific Reports, 2017, 7, 10879.	1.6	75
1374	Link predication based on matrix factorization by fusion of multi class organizations of the network. Scientific Reports, 2017, 7, 8937.	1.6	15
1375	Nodes' Evolution Diversity and Link Prediction in Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2263-2274.	4.0	45
1376	Community Detection and Analysis in PPI Network. , 2017, , .		0
1377	Graph Layouts by t-SNE. Computer Graphics Forum, 2017, 36, 283-294.	1.8	48
1378	A game-theoretic approach for non-overlapping communities detection. , 2017, , .		0
1379	Completeness of Community Structure in Networks. Scientific Reports, 2017, 7, 5269.	1.6	3
1381	Building Entity Graphs for the Web of Things Management. , 2017, , 275-303.		0
1382	Parallel quantum-inspired evolutionary algorithms for community detection in social networks. Applied Soft Computing Journal, 2017, 61, 331-353.	4.1	19
1383	Improving the Efficiency and Effectiveness of Community Detection via Prior-Induced Equivalent Super-Network. Scientific Reports, 2017, 7, 634.	1.6	11
1384	Versatility of nodal affiliation to communities. Scientific Reports, 2017, 7, 4273.	1.6	21

#	ARTICLE	IF	CITATIONS
1385	Cross-validation estimate of the number of clusters in a network. <i>Scientific Reports</i> , 2017, 7, 3327.	1.6	25
1386	Network analysis reveals strong seasonality in the dispersal of a marine parasite and identifies areas for coordinated management. <i>Landscape Ecology</i> , 2017, 32, 1953-1967.	1.9	52
1387	Core-Periphery Structure in Networks (Revisited). <i>SIAM Review</i> , 2017, 59, 619-646.	4.2	96
1388	Weisfeiler-Lehman Neural Machine for Link Prediction. , 2017, , .		111
1389	Detecting Communities of Authority and Analyzing Their Influence in Dynamic Social Networks. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2017, 8, 1-28.	2.9	2
1390	Step-wise drops in modularity and the fragmentation of exploited marine metapopulations. <i>Landscape Ecology</i> , 2017, 32, 1643-1656.	1.9	0
1391	Comparison of Different Centrality Measures to Find Influential Nodes in Complex Networks. <i>Lecture Notes in Computer Science</i> , 2017, , 415-423.	1.0	5
1392	GSO Based Heuristics for Identification of Communities and Their Leaders. , 2017, , 99-127.		2
1393	A Betweenness Centrality Guided Clustering Algorithm and Its Applications to Cancer Diagnosis. <i>Lecture Notes in Computer Science</i> , 2017, , 35-42.	1.0	4
1394	Hunting for a moving target on a complex network. <i>Europhysics Letters</i> , 2017, 119, 48006.	0.7	13
1395	A Non-negative Symmetric Encoder-Decoder Approach for Community Detection. , 2017, , .		46
1396	MGAE. , 2017, , .		202
1397	X-ray study and computer simulation of mechanically activated pseudowollastonite structure. <i>International Journal of Mineral Processing</i> , 2017, 169, 119-128.	2.6	0
1398	Collaborative botnet detection with partial communication graph information. , 2017, , .		4
1399	Worst-case test network optimization for community detection method. , 2017, , .		1
1400	Hierarchical benchmark graphs for testing community detection algorithms. <i>Physical Review E</i> , 2017, 96, 052311.	0.8	15
1401	Sensitivity of Community Structure to Network Uncertainty. , 2017, , 345-353.		0
1402	The diverse club. <i>Nature Communications</i> , 2017, 8, 1277.	5.8	124

#	ARTICLE	IF	CITATIONS
1403	Cohesive network reconfiguration accompanies extended training. <i>Human Brain Mapping</i> , 2017, 38, 4744-4759.	1.9	50
1404	A survey on theoretical advances of community detection in networks. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2017, 9, e1403.	2.1	23
1405	Unveiling Correlations via Mining Human-Thing Interactions in the Web of Things. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2017, 8, 1-25.	2.9	13
1406	Cognitive performance in healthy older adults relates to spontaneous switching between states of functional connectivity during rest. <i>Scientific Reports</i> , 2017, 7, 5135.	1.6	257
1407	A Parametric Model Approach for Structural Reconstruction of Scale-Free Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017, 29, 2072-2085.	4.0	19
1408	Systematic evaluation of a new combinatorial curvature for complex networks. <i>Chaos, Solitons and Fractals</i> , 2017, 101, 50-67.	2.5	35
1409	An improved link prediction algorithm based on degrees and similarities of nodes. , 2017, , .		9
1411	SEQUOIA: significance enhanced network querying through context-sensitive random walk and minimization of network conductance. <i>BMC Systems Biology</i> , 2017, 11, 20.	3.0	6
1412	Multiple network algorithm for epigenetic modules via the integration of genome-wide DNA methylation and gene expression data. <i>BMC Bioinformatics</i> , 2017, 18, 72.	1.2	52
1413	Eigenvector Centrality is a Metric of Elastomer Modulus, Heterogeneity, and Damage. <i>Scientific Reports</i> , 2017, 7, 1241.	1.6	2
1414	Community Detection with Topological Structure and Attributes in Information Networks. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2017, 8, 1-17.	2.9	8
1415	On the approximation of Laplacian eigenvalues in graph disaggregation. <i>Linear and Multilinear Algebra</i> , 2017, 65, 1805-1822.	0.5	1
1416	Identification of influential nodes in complex networks: Method from spreading probability viewpoint. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 468, 391-397.	1.2	29
1417	Competitive seeds-selection in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 467, 240-248.	1.2	4
1418	egoComp: A node-link-based technique for visual comparison of ego-networks. <i>Information Visualization</i> , 2017, 16, 179-189.	1.2	8
1419	A computationally lightweight and localized centrality metric in lieu of betweenness centrality for complex network analysis. <i>Vietnam Journal of Computer Science</i> , 2017, 4, 23-38.	1.0	26
1420	Detecting communities by asymmetric intimacy in directed-weighted network. <i>International Journal of Modern Physics C</i> , 2017, 28, 1750006.	0.8	4
1421	Similarity-based link prediction in social networks: A path and node combined approach. <i>Journal of Information Science</i> , 2017, 43, 683-695.	2.0	32

#	ARTICLE	IF	CITATIONS
1422	Detecting community structure in complex networks using an interaction optimization process. Physica A: Statistical Mechanics and Its Applications, 2017, 465, 525-542.	1.2	9
1423	Collective prediction based on community structure. Physica A: Statistical Mechanics and Its Applications, 2017, 465, 587-598.	1.2	1
1424	Toward a novel art inspired incremental community mining algorithm in dynamic social network. Applied Intelligence, 2017, 46, 409-426.	3.3	9
1425	Community Detection Using Dual-Representation Chemical Reaction Optimization. IEEE Transactions on Cybernetics, 2017, 47, 4328-4341.	6.2	18
1426	Quantum-behaved discrete multi-objective particle swarm optimization for complex network clustering. Pattern Recognition, 2017, 63, 1-14.	5.1	86
1427	Using graph clustering to locate sources within a dense sensor array. Signal Processing, 2017, 132, 110-120.	2.1	19
1428	Hypergraph partitioning for social networks based on information entropy modularity. Journal of Network and Computer Applications, 2017, 86, 59-71.	5.8	44
1429	Identifying the most influential spreaders in complex networks by an Extended Local K-Shell Sum. International Journal of Modern Physics C, 2017, 28, 1750014.	0.8	30
1430	A Networks Approach to Mythological Epics. Understanding Complex Systems, 2017, , 21-43.	0.3	1
1431	Evolutionary link community structure discovery in dynamic weighted networks. Physica A: Statistical Mechanics and Its Applications, 2017, 466, 370-388.	1.2	11
1432	Detecting discussion communities on vaccination in twitter. Future Generation Computer Systems, 2017, 66, 125-136.	4.9	76
1433	Construction Safety Clash Detection: Identifying Safety Incompatibilities among Fundamental Attributes using Data Mining. Automation in Construction, 2017, 74, 39-54.	4.8	92
1434	Using Geodesic Space Density Gradients for Network Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 921-935.	4.0	30
1435	A new measure of identifying influential nodes: Efficiency centrality. Communications in Nonlinear Science and Numerical Simulation, 2017, 47, 151-163.	1.7	108
1436	Complex networks, community structure, and catchment classification in a large-scale river basin. Journal of Hydrology, 2017, 545, 478-493.	2.3	55
1437	An Empirical Comparison of Algorithms to Find Communities in Directed Graphs and Their Application in Web Data Analytics. IEEE Transactions on Big Data, 2017, 3, 289-306.	4.4	20
1438	Effective Detection of Modular and Granular Overlaps in Online Social Networks Using Fuzzy ART. International Journal of Fuzzy Systems, 2017, 19, 1077-1092.	2.3	0
1439	An Algorithm Q-PSO for Community Detection in Complex Networks. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
1440	SOM-empowered graph segmentation for fast automatic clustering of large and complex data. , 2017, , .		4
1441	Symptom Distribution Regulation of Core Symptoms in Insomnia Based on Informap-SA Algorithm. , 2017, , .		5
1442	Hamiltonian system approach to distributed spectral decomposition in networks. , 2017, , .		0
1443	Quantum caustics in resonance-fluorescence trajectories. Physical Review A, 2017, 96, .	1.0	21
1444	Link prediction in complex networks via matrix perturbation and decomposition. Scientific Reports, 2017, 7, 14724.	1.6	10
1445	Model and Algorithms for Competitiveness Maximization on Complex Networks * *This work was supported by the National Natural Science Foundation of China under Grant Nos. 61374176, 61304158, 61473189, and 61503207, the Natural Science Foundation of Shandong Province (ZR2015PF003), the Project Funded by China Postdoctoral Science Foundation (2015M571996), the Qingdao Postdoctoral Application Research Project (2015123), the Science Fund for Creative Research Groups of the National Natural Science Foundation of. IFAC-PapersOnLine, 2017, 50, 9438-9443	0.5	0
1446	Minimizing the Influence Propagation in Social Networks for Linear Threshold Models. IFAC-PapersOnLine, 2017, 50, 14465-14470.	0.5	13
1447	ADM-CLE Approach for Detecting Slow Variables in Continuous Time Markov Chains and Dynamic Data. SIAM Journal of Scientific Computing, 2017, 39, B76-B101.	1.3	2
1448	Comparative analysis of community detection algorithms. , 2017, , .		8
1449	A roadmap for the computation of persistent homology. EPJ Data Science, 2017, 6, 17.	1.5	371
1450	Community detection in complex networks using flow simulation. , 2017, , .		0
1451	Identification of regulatory modules in genome scale transcription regulatory networks. BMC Systems Biology, 2017, 11, 140.	3.0	14
1452	A comparative study of community detection algorithms using graphs and R. , 2017, , .		1
1453	An Evolutionary Approach for Detecting Communities in Social Networks. , 2017, , .		3
1454	Community detection: Comparison of state of the art algorithms. , 2017, , .		10
1455	Network discovery using content and homophily. , 2017, , .		2
1456	Evaluating community detection methods in a controlled experiment. , 2017, , .		0
1457	The node influence for link prediction based on triadic closure structure. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
1458	On Spectral Analysis of Directed Signed Graphs. , 2017, , .		2
1459	Community detection using random-walk similarity and application to image clustering. , 2017, , .		2
1460	Community detection on anti-vaping campaign audience. , 2017, , .		1
1461	A graph-theoretic approach to virtual access point correlation. , 2017, , .		1
1462	Streaming graph challenge: Stochastic block partition. , 2017, , .		50
1463	Revisiting Spectral Graph Clustering with Generative Community Models. , 2017, , .		9
1464	Combining topological properties and strong ties for link prediction. Tsinghua Science and Technology, 2017, 22, 595-608.	4.1	8
1465	A vertex similarity index using community information to improve link prediction accuracy. , 2017, , .		8
1466	Providing Information Resilience Through Modularity-Based Caching in Perturbed Information-Centric Networks. , 2017, , .		2
1467	Nature inspired algorithms for solving the community detection problem. Logic Journal of the IGPL, 2017, 25, 902-914.	1.3	1
1468	An Analysis of the Fat-Tailedness of the Centrality Distributions of Real-World Networks. International Journal of Computer Networks and Communications, 2017, 9, 01-15.	0.3	1
1469	Multipronged Therapeutic Effects of Chinese Herbal Medicine Qishenyiqi in the Treatment of Acute Myocardial Infarction. Frontiers in Pharmacology, 2017, 8, 98.	1.6	30
1470	Disrupted Control-Related Functional Brain Networks in Drug-Naive Children with Attention-Deficit/Hyperactivity Disorder. Frontiers in Psychiatry, 2017, 8, 246.	1.3	27
1471	Multi-Objective Optimization Algorithm to Discover Condition-Specific Modules in Multiple Networks. Molecules, 2017, 22, 2228.	1.7	5
1472	Alzheimer's Disease Early Diagnosis Using Manifold-Based Semi-Supervised Learning. Brain Sciences, 2017, 7, 109.	1.1	31
1473	Detecting the collusive bidding behavior in below average bid auction. , 2017, , .		5
1474	Dynamic Rankings for Seed Selection in Complex Networks: Balancing Costs and Coverage. Entropy, 2017, 19, 170.	1.1	12
1475	How to Identify the Most Powerful Node in Complex Networks? A Novel Entropy Centrality Approach. Entropy, 2017, 19, 614.	1.1	50

#	ARTICLE	IF	CITATIONS
1476	An Indicator-Based Approach for Analyzing the Resilience of Transitions for Energy Regions. Part I: Theoretical and Conceptual Considerations. <i>Energies</i> , 2017, 10, 36.	1.6	29
1477	Long-term Fertilization Structures Bacterial and Archaeal Communities along Soil Depth Gradient in a Paddy Soil. <i>Frontiers in Microbiology</i> , 2017, 8, 1516.	1.5	72
1478	Is Congenital Amusia a Disconnection Syndrome? A Study Combining Tract- and Network-Based Analysis. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 473.	1.0	16
1479	Comparison of IVA and GIG-ICA in Brain Functional Network Estimation Using fMRI Data. <i>Frontiers in Neuroscience</i> , 2017, 11, 267.	1.4	22
1480	Synaptic Interactome Mining Reveals p140Cap as a New Hub for PSD Proteins Involved in Psychiatric and Neurological Disorders. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 212.	1.4	30
1481	Clustering Categorical Data Using Community Detection Techniques. <i>Computational Intelligence and Neuroscience</i> , 2017, 2017, 1-11.	1.1	8
1482	Constructing regional climate networks in the Amazonia during recent drought events. <i>PLoS ONE</i> , 2017, 12, e0186145.	1.1	2
1483	Island Biogeography of Food Webs. <i>Advances in Ecological Research</i> , 2017, , 183-262.	1.4	27
1484	Increasing Coverage of Information Diffusion Processes by Reducing the Number of Initial Seeds. , 2017, , .		1
1485	Seed Node Distribution for Influence Maximization in Multiple Online Social Networks. , 2017, , .		0
1486	Some new perspectives on the inter-country analysis of the world production system. <i>Evolutionary and Institutional Economics Review</i> , 2017, 14, 467-498.	0.3	3
1487	Hybrid influential centrality based label propagation algorithm for community detection. , 2017, , .		2
1488	Distributed Character: Quantitative Models of the English Stage, 1550â€“1900. <i>New Literary History</i> , 2017, 48, 751-782.	0.0	12
1489	Community Detection in Large Vector Autoregressions. <i>SSRN Electronic Journal</i> , 2017, , .	0.4	2
1490	A comprehensive comparison of network similarities for link prediction and spurious link elimination. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 500, 97-105.	1.2	14
1491	Specialized plant biochemistry drives gene clustering in fungi. <i>ISME Journal</i> , 2018, 12, 1694-1705.	4.4	20
1492	What Do We Teach When We Teach the Learning Sciences? A Document Analysis of 75 Graduate Programs. <i>Journal of the Learning Sciences</i> , 2018, 27, 319-351.	2.0	68
1493	Social Network Analysis of Cricket Community Using a Composite Distributed Framework: From Implementation Viewpoint. <i>IEEE Transactions on Computational Social Systems</i> , 2018, 5, 64-81.	3.2	17

#	ARTICLE	IF	CITATIONS
1494	Memetic algorithm using node entropy and partition entropy for community detection in networks. Information Sciences, 2018, 445-446, 38-49.	4.0	45
1495	A weighted collaboration network generalization method for privacy protection in C-DBLP. Intelligent Data Analysis, 2018, 22, 3-19.	0.4	3
1496	Low-dimensional morphospace of topological motifs in human fMRI brain networks. Network Neuroscience, 2018, 2, 285-302.	1.4	20
1497	Batch Mode Active Learning for Node Classification in Assortative and Disassortative Networks. IEEE Access, 2018, 6, 4750-4758.	2.6	5
1498	Link prediction based on nonequilibrium cooperation effect. International Journal of Modern Physics B, 2018, 32, 1850128.	1.0	2
1499	Social Network Community Detection and Hybrid Optimization for Dividing Water Supply into District Metered Areas. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	1.3	26
1500	Comparative analysis on the selection of number of clusters in community detection. Physical Review E, 2018, 97, 022315.	0.8	9
1501	SocksCatch: Automatic detection and grouping of sockpuppets in social media. Knowledge-Based Systems, 2018, 149, 124-142.	4.0	21
1502	Multi-label relational classification via node and label correlation. Neurocomputing, 2018, 292, 72-81.	3.5	8
1503	Abstraction of meso-scale network architecture in granular ensembles using "big data analytics" tools. Journal of Physics Communications, 2018, 2, 031004.	0.5	4
1504	Alterations in Normal Aging Revealed by Cortical Brain Network Constructed Using IBASPM. Brain Topography, 2018, 31, 577-590.	0.8	4
1505	Multiplex Influence Maximization in Online Social Networks With Heterogeneous Diffusion Models. IEEE Transactions on Computational Social Systems, 2018, 5, 418-429.	3.2	43
1506	A Correlation Clustering Framework for Community Detection. , 2018, , .		32
1507	Accurate detection of hierarchical communities in complex networks based on nonlinear dynamical evolution. Chaos, 2018, 28, 043119.	1.0	8
1508	Fast ranking nodes importance in complex networks based on LS-SVM method. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 11-23.	1.2	37
1509	Network analysis of particles and grains. Journal of Complex Networks, 2018, 6, 485-565.	1.1	113
1510	Identifying influential nodes in complex networks: A node information dimension approach. Chaos, 2018, 28, 043109.	1.0	88
1511	Community detection and resilience in multi-source, multi-terminal networks. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2018, 232, 616-626.	0.6	8

#	ARTICLE	IF	CITATIONS
1512	Applications of Community Detection Techniques to Brain Graphs: Algorithmic Considerations and Implications for Neural Function. Proceedings of the IEEE, 2018, 106, 846-867.	16.4	94
1513	Generating clustered scale-free networks using Poisson based localization of edges. Physica A: Statistical Mechanics and Its Applications, 2018, 497, 72-85.	1.2	7
1514	Community detection in complex networks by using membrane algorithm. International Journal of Modern Physics C, 2018, 29, 1850003.	0.8	10
1515	Hiding individuals and communities in a social network. Nature Human Behaviour, 2018, 2, 139-147.	6.2	114
1516	Higher precipitation strengthens the microbial interactions in semi-arid grassland soils. Global Ecology and Biogeography, 2018, 27, 570-580.	2.7	151
1517	Overlapping community detection in social networks using coalitional games. Knowledge and Information Systems, 2018, 56, 637-661.	2.1	4
1518	Detecting spatial community structure in movements. International Journal of Geographical Information Science, 2018, 32, 1326-1347.	2.2	28
1519	Convexity in complex networks. Network Science, 2018, 6, 176-203.	0.8	7
1520	PAGANI Toolkit: Parallel graph-theoretical analysis package for brain network big data. Human Brain Mapping, 2018, 39, 1869-1885.	1.9	12
1521	FuzAg: Fuzzy Agglomerative Community Detection by Exploring the Notion of Self-Membership. IEEE Transactions on Fuzzy Systems, 2018, 26, 2568-2577.	6.5	30
1522	Blankets Joint Posterior score for learning Markov network structures. International Journal of Approximate Reasoning, 2018, 92, 295-320.	1.9	2
1523	A modularity based spectral method for simultaneous community and anti-community detection. Linear Algebra and Its Applications, 2018, 542, 605-623.	0.4	11
1524	Attributed community mining using joint general non-negative matrix factorization with graph Laplacian. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 324-335.	1.2	8
1525	A fast community detection method in bipartite networks by distance dynamics. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 108-120.	1.2	30
1526	A hybrid strategy for network immunization. Chaos, Solitons and Fractals, 2018, 106, 214-219.	2.5	26
1527	The Italian corporate system in a network perspective (1952-1983). Physica A: Statistical Mechanics and Its Applications, 2018, 494, 367-379.	1.2	3
1528	Culture out of attitudes: Relationality, population heterogeneity and attitudes toward science and religion in the U.S.. Poetics, 2018, 68, 31-51.	0.6	41
1529	DDSE: A novel evolutionary algorithm based on degree-descending search strategy for influence maximization in social networks. Journal of Network and Computer Applications, 2018, 103, 119-130.	5.8	93

#	ARTICLE	IF	CITATIONS
1530	Vertex Deduplication Based on String Similarity and Community Membership. <i>Studies in Computational Intelligence</i> , 2018, , 178-189.	0.7	0
1531	Nonnegative matrix factorization with mixed hypergraph regularization for community detection. <i>Information Sciences</i> , 2018, 435, 263-281.	4.0	87
1532	A novel parallel community detection scheme based on label propagation. <i>World Wide Web</i> , 2018, 21, 1377-1398.	2.7	10
1533	Functional network stability and average minimal distance " A framework to rapidly assess dynamics of functional network representations. <i>Journal of Neuroscience Methods</i> , 2018, 296, 69-83.	1.3	8
1534	Keeping up with the Silver King: Using cooperative acoustic telemetry networks to quantify the movements of Atlantic tarpon (<i>Megalops atlanticus</i>) in the coastal waters of the southeastern United States. <i>Fisheries Research</i> , 2018, 205, 65-76.	0.9	40
1535	Identifying Condition-Specific Modules by Clustering Multiple Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 1636-1648.	1.9	20
1536	Geometric multiscale community detection: Markov stability and vector partitioning. <i>Journal of Complex Networks</i> , 2018, 6, 157-172.	1.1	8
1537	CDA: A Clustering Degree Based Influential Spreader Identification Algorithm in Weighted Complex Network. <i>IEEE Access</i> , 2018, 6, 19550-19559.	2.6	15
1538	Low-rank subspace learning based network community detection. <i>Knowledge-Based Systems</i> , 2018, 155, 71-82.	4.0	12
1539	Network-Ensemble Comparisons with Stochastic Rewiring and Von Neumann Entropy. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 897-920.	0.8	6
1540	Knowledge based community detection in online social network. , 2018, , .		2
1541	Combinatorial Algorithms for Control of Biological Regulatory Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2018, 5, 748-759.	2.4	7
1542	Probability of network disconnection of water distribution system for maintenance prioritization. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 252-269.	0.6	6
1543	Degradation shaped bacterial and archaeal communities with predictable taxa and their association patterns in Zoige wetland at Tibet plateau. <i>Scientific Reports</i> , 2018, 8, 3884.	1.6	42
1544	Node and Layer Eigenvector Centralities for Multiplex Networks. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 853-876.	0.8	46
1545	Robust Reconstruction of Continuously Time-Varying Topologies of Weighted Networks. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018, 65, 2970-2982.	3.5	29
1546	Community Deception or: How to Stop Fearing Community Detection Algorithms. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018, 30, 660-673.	4.0	45
1547	Integrated network analysis reveals the importance of microbial interactions for maize growth. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3805-3818.	1.7	94

#	ARTICLE	IF	CITATIONS
1548	Null Model and Community Structure in Multiplex Networks. Scientific Reports, 2018, 8, 3245.	1.6	12
1549	Crowd Tracking by Group Structure Evolution. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 772-786.	5.6	5
1550	Competitiveness Maximization on Complex Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1054-1064.	5.9	11
1551	Magnetic Eigenmaps for the visualization of directed networks. Applied and Computational Harmonic Analysis, 2018, 44, 189-199.	1.1	13
1552	Altered White Matter Connectivity Within and Between Networks in Antipsychotic-Naive First-Episode Schizophrenia. Schizophrenia Bulletin, 2018, 44, 409-418.	2.3	32
1553	\hat{r} -Space for real-world networks: A correlation analysis of decay centrality vs. degree centrality and closeness centrality. Journal of King Saud University - Computer and Information Sciences, 2018, 30, 391-403.	2.7	5
1554	Discriminative metric learning for multi-view graph partitioning. Pattern Recognition, 2018, 75, 199-213.	5.1	42
1555	The primary case is not enough: Variation among individuals, groups and social networks modify bacterial transmission dynamics. Journal of Animal Ecology, 2018, 87, 369-378.	1.3	14
1556	Complex Networks and Hydrologic Applications. , 2018, , 565-586.		5
1557	A cooperative game framework for detecting overlapping communities in social networks. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 498-515.	1.2	17
1558	Detecting composite communities in multiplex networks: A multilevel memetic algorithm. Swarm and Evolutionary Computation, 2018, 39, 177-191.	4.5	16
1559	Analyzing Online Groups or the Communities in Social Media Networks by Algorithmic Approach. Advances in Intelligent Systems and Computing, 2018, , 113-126.	0.5	0
1560	Fractal rules in brain networks: Signatures of self-organization. Journal of Theoretical Biology, 2018, 437, 58-66.	0.8	6
1561	Adaptive modularity maximization via edge weighting scheme. Information Sciences, 2018, 424, 55-68.	4.0	26
1562	Ranking influential nodes in complex networks with structural holes. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 624-631.	1.2	38
1563	Graph Community Detection: Normalized Compression Distance Based Implementation for Text Data. Advances in Intelligent Systems and Computing, 2018, , 38-46.	0.5	0
1564	Early warning model based on correlated networks in global crude oil markets. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 1335-1343.	1.2	21
1565	Using functional dependency and node closure to detect communities from the sparse network. International Journal of Modern Physics B, 2018, 32, 1850018.	1.0	0

#	ARTICLE	IF	CITATIONS
1566	Eigentime identities for on weighted polymer networks. International Journal of Modern Physics B, 2018, 32, 1850021.	1.0	5
1567	Semi-supervised spectral algorithms for community detection in complex networks based on equivalence of clustering methods. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 786-802.	1.2	31
1568	The Wisdom of Networks: A General Adaptation and Learning Mechanism of Complex Systems. BioEssays, 2018, 40, 1700150.	1.2	13
1569	Link prediction via significant influence. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1523-1530.	1.2	18
1570	A novel community detection method in bipartite networks. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1679-1693.	1.2	37
1571	Weighted compactness function based label propagation algorithm for community detection. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 767-780.	1.2	13
1572	LP-LPA: A link influence-based label propagation algorithm for discovering community structures in networks. International Journal of Modern Physics B, 2018, 32, 1850062.	1.0	43
1573	Robustness analysis of complex networks with power decentralization strategy via flow-sensitive centrality against cascading failures. Physica A: Statistical Mechanics and Its Applications, 2018, 494, 186-199.	1.2	12
1574	Visualization of Multichannel EEG Coherence Networks Based on Community Structure Analysis. Studies in Computational Intelligence, 2018, , 583-594.	0.7	0
1575	Detecting Clusters/Communities in Social Networks. Multivariate Behavioral Research, 2018, 53, 57-73.	1.8	34
1576	CC-GA: A clustering coefficient based genetic algorithm for detecting communities in social networks. Applied Soft Computing Journal, 2018, 63, 59-70.	4.1	97
1577	Identification of influential spreaders based on classified neighbors in real-world complex networks. Applied Mathematics and Computation, 2018, 320, 512-523.	1.4	103
1578	Managing social networks: Applying the percolation theory methodology to understand individuals' attitudes and moods. Technological Forecasting and Social Change, 2018, 129, 297-307.	6.2	18
1579	Robustness of weighted networks. Physica A: Statistical Mechanics and Its Applications, 2018, 489, 47-55.	1.2	50
1581	Community Detection Metrics and Algorithms in Social Networks. , 2018, , .		6
1582	Influence Propagation in Competitive Scenario: Winning with Least Amount of Investment in Separated Threshold Model. , 2018, , .		0
1583	Reusable building blocks in biological systems. Journal of the Royal Society Interface, 2018, 15, 20180595.	1.5	6
1584	Bitcoin Trust Communities. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
1585	Community detection via closure extension. International Journal of Modern Physics C, 2018, 29, 1850119.	0.8	0
1586	Mining the Best Observational Window to Model Social Phenomena. , 2018, , .		0
1587	GADFly: A Fast and Robust Algorithm to Detect P2P Botnets in Communication Graphs. , 2018, , .		6
1588	Community Detection for Decoy Selection in Template-free Protein Structure Prediction. , 2018, , .		2
1589	A Community Detection Algorithm on Graph Data. , 2018, , .		0
1590	Predicting Missing Links Based on a New Triangle Structure. Complexity, 2018, 2018, 1-11.	0.9	12
1591	Gyrification Connectomes in Unmedicated Patients With Schizophrenia and Following a Short Course of Antipsychotic Drug Treatment. Frontiers in Psychiatry, 2018, 9, 699.	1.3	19
1592	An Empirical Study on Sentiments in Twitter Communities. , 2018, , .		3
1593	Application Areas of Community Detection: A Review. , 2018, , .		28
1594	Effects of Edge Centrality on Random Walks on Graphs. Computer Journal, 2018, , .	1.5	2
1595	A Proposal of Scalable and Performing Implementation of Algorithms for Anomaly and Community Detection. , 2018, , .		0
1596	Big Data-Driven Platform for Cross-Media Monitoring. , 2018, , .		5
1597	Multi-attribute ranking method for identifying key nodes in complex networks based on GRA. International Journal of Modern Physics B, 2018, 32, 1850363.	1.0	11
1598	The Settlement Structure Is Reflected in Personal Investments: Distance-Dependent Network Modularity-Based Measurement of Regional Attractiveness. Complexity, 2018, 2018, 1-16.	0.9	9
1599	On democratic evaluation of nodes representativity. , 2018, , .		0
1600	A unified framework for link prediction based on non-negative matrix factorization with coupling multivariate information. PLoS ONE, 2018, 13, e0208185.	1.1	6
1601	Who is really in my social circle?. Journal of Internet Services and Applications, 2018, 9, .	1.6	6
1602	Interactive Higher-Order Network Analysis. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1603	Rank correlation between centrality metrics in complex networks: an empirical study. Open Physics, 2018, 16, 1009-1023.	0.8	14
1604	Centrality of Nodes with KarcÄ± Entropy. , 2018, , .		0
1605	A Study on Controlled Node Sized Network Clustering for Unweighted Network Data. , 2018, , .		1
1606	An Efficient Algorithm for Detecting Communities in a Tripartite Networks. , 2018, , .		0
1607	Designing bike networks using the concept of network clusters. Applied Network Science, 2018, 3, 12.	0.8	11
1608	Data-driven visualization of multichannel EEG coherence networks based on community structure analysis. Applied Network Science, 2018, 3, 41.	0.8	8
1609	Reparameterized Stochastic Block Model Adaptive to Heterogeneous Degree and Block Distributions. IEEE Access, 2018, 6, 37615-37626.	2.6	3
1610	Link Predictability Analysis of US Political Blog Network with Structural Perturbation Method. , 2018, , .		0
1611	Identification of Topologies by Using Harmonic Centrality in Huge Social Networks. , 2018, , .		2
1612	Weighted Network Density Predicts Range of Latent Variable Model Accuracy. , 2018, 2018, 2414-2417.		2
1613	Vulnerability of Complex Networks under Neighbor Nodes Attack Strategies. , 2018, , .		2
1614	NGA-LP: A Robust and Improved Genetic Algorithm to Detect Communities in Directed Networks. , 2018, , .		0
1615	A Network Pharmacology Approach to Uncover the Molecular Mechanisms of Herbal Formula Ban-Xia-Xie-Xin-Tang. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-22.	0.5	40
1616	Multilayer Value Metrics Using Lexical Link Analysis and Game Theory for Discovering Innovation from Big Data and Crowd-Sourcing. , 2018, , .		1
1617	Identifying Node Importance in a Complex Network Based on Node Bridging Feature. Applied Sciences (Switzerland), 2018, 8, 1914.	1.3	8
1618	Size Matters: A Comparative Analysis of Community Detection Algorithms. IEEE Transactions on Computational Social Systems, 2018, 5, 951-960.	3.2	36
1619	Unsupervised Image Segmentation via Graph-Based Community Detection. , 2018, , 83-97.		0
1620	General Structure Preserving Network Embedding. Lecture Notes in Computer Science, 2018, , 134-146.	1.0	0

#	ARTICLE	IF	CITATIONS
1621	Social network community structure and the contact-mediated sharing of commensal <i>E. coli</i> among captive rhesus macaques (<i>Macaca mulatta</i>). PeerJ, 2018, 6, e4271.	0.9	21
1622	Improving short-term information spreading efficiency in scale-free networks by specifying top large-degree vertices as the initial spreaders. Royal Society Open Science, 2018, 5, 181137.	1.1	6
1623	Topological Fragility Versus Antifragility: Understanding the Impact of Real-Time Repairs in Networks Under Targeted Attacks. , 2018, , .		1
1624	Community Detection Based Clustering. , 2018, , .		2
1625	Strategic distribution of seeds to support diffusion in complex networks. PLoS ONE, 2018, 13, e0205130.	1.1	8
1626	Influencing Information Spreading Processes in Complex Networks with Probability Spraying. , 2018, , .		2
1627	The geographic evolution of political cleavages in Switzerland: A network approach to assessing levels and dynamics of polarization between local populations. PLoS ONE, 2018, 13, e0208227.	1.1	3
1628	On the Stability of Network Indices Defined by Means of Matrix Functions. SIAM Journal on Matrix Analysis and Applications, 2018, 39, 1521-1546.	0.7	9
1629	On the role of sparseness in the evolution of modularity in gene regulatory networks. PLoS Computational Biology, 2018, 14, e1006172.	1.5	28
1630	A modularity-maximization-based approach for detecting multi-communities in social networks. Annals of Operations Research, 2018, 303, 381.	2.6	1
1631	SpreadMax: A Scalable Cascading Model for Influence Maximization in Social Networks. , 2018, , .		7
1632	Adaptive Affinity Learning for Accurate Community Detection. , 2018, , .		11
1633	Identification of Topological Vulnerabilities for Power Systems Networks. , 2018, , .		4
1634	Topological motifs populate complex networks through grouped attachment. Scientific Reports, 2018, 8, 12670.	1.6	5
1635	A test on the L-moments of the degree distribution of a Barabási-Albert network for detecting nodal and edge degradation. Journal of Complex Networks, 2018, 6, 24-53.	1.1	1
1636	Structure and dynamical behavior of non-normal networks. Science Advances, 2018, 4, eaau9403.	4.7	70
1637	Detecting Antagonistic and Allied Communities on Social Media. , 2018, , .		4
1638	Computing Weighted Strength and Applications to Partitioning. SIAM Journal on Discrete Mathematics, 2018, 32, 2747-2782.	0.4	0

#	ARTICLE	IF	CITATIONS
1639	Detecting Communities in Networks Using Competitive Hopfield Neural Network. , 2018, , .		1
1640	Large algebraic connectivity fluctuations in spatial network ensembles imply a predictive advantage from node location information. Physical Review E, 2018, 98, .	0.8	1
1641	Similarity-based future common neighbors model for link prediction in complex networks. Scientific Reports, 2018, 8, 17014.	1.6	20
1642	Influencers identification in complex networks through reaction-diffusion dynamics. Physical Review E, 2018, 98, .	0.8	13
1643	A Study on the Performance of Similarity Indices and its Relationship with Link Prediction: a Two-State Random Network Case. Journal of the Korean Physical Society, 2018, 73, 1589-1595.	0.3	0
1644	Market Basket Analysis Using Community Detection Approach: A Real Case. Lecture Notes in Social Networks, 2018, , 177-198.	0.8	2
1645	Cluster-based network proximities for arbitrary nodal subsets. Scientific Reports, 2018, 8, 14371.	1.6	1
1646	Modeling Co-Evolution Across Multiple Networks. , 2018, , 675-683.		2
1647	Extracting h-Backbone as a Core Structure in Weighted Networks. Scientific Reports, 2018, 8, 14356.	1.6	10
1648	Distinct Collective Inference Learning in Social Networks. , 2018, , .		0
1649	Analysis of behavioral differentiation in smart cities based on mobile usersâ€™ usage detail record data. International Journal of Distributed Sensor Networks, 2018, 14, 155014771877008.	1.3	1
1650	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
1651	Evaluation of invulnerability of scale-free networks using total information of local sub-graph. International Journal of Modern Physics C, 2018, 29, 1850075.	0.8	3
1652	Efficient anti-community detection in complex networks. , 2018, , .		0
1653	A degree-based block model and a local expansion optimization algorithm for anti-community detection in networks. PLoS ONE, 2018, 13, e0195226.	1.1	2
1654	Micro-blog user community discovery using generalized SimRank edge weighting method. PLoS ONE, 2018, 13, e0196447.	1.1	5
1655	Graph drawing using tabu search coupled with path relinking. PLoS ONE, 2018, 13, e0197103.	1.1	3
1656	Opinion Dynamics with Varying Susceptibility to Persuasion. , 2018, , .		49

#	ARTICLE	IF	CITATIONS
1657	An Analysis on Community Detection and Clustering Algorithms on the Post-Processing of Association Rules. , 2018, , .		2
1658	A comparative analysis of approaches to network-dismantling. Scientific Reports, 2018, 8, 13513.	1.6	90
1659	Core-periphery structure requires something else in the network. New Journal of Physics, 2018, 20, 043012.	1.2	42
1660	wTO: an R package for computing weighted topological overlap and a consensus network with integrated visualization tool. BMC Bioinformatics, 2018, 19, 392.	1.2	44
1661	A change of perspective in network centrality. Scientific Reports, 2018, 8, 15269.	1.6	31
1662	Complex self-sustained oscillation patterns in modular excitable networks. Physical Review E, 2018, 98, .	0.8	5
1663	Metanetwork Transmission Model for Predicting a Malaria-Control Strategy. Frontiers in Genetics, 2018, 9, 446.	1.1	0
1664	Finding Missing Links in Complex Networks: A Multiple-Attribute Decision-Making Method. Complexity, 2018, 2018, 1-16.	0.9	4
1665	Reconstructing Networks with Unknown and Heterogeneous Errors. Physical Review X, 2018, 8, .	2.8	41
1666	Behavior-based Community Detection. , 2018, , .		10
1667	Regional Diversity in the Postsynaptic Proteome of the Mouse Brain. Proteomes, 2018, 6, 31.	1.7	38
1668	Assortative mixing in spatially-extended networks. Scientific Reports, 2018, 8, 13825.	1.6	7
1669	Core community structure recovery and phase transition detection in temporally evolving networks. Scientific Reports, 2018, 8, 12938.	1.6	10
1670	Simplified Energy Landscape for Modularity Using Total Variation. SIAM Journal on Applied Mathematics, 2018, 78, 2439-2464.	0.8	8
1671	Community Detection in Networks via Nonlinear Modularity Eigenvectors. SIAM Journal on Applied Mathematics, 2018, 78, 2393-2419.	0.8	11
1672	Network size, structure, and pathogen transmission: a simulation study comparing different community detection algorithms. Behaviour, 2018, 155, 639-670.	0.4	9
1673	An Efficient Module Detection Algorithm for Large-Scale Complex Networks. , 2018, , .		0
1674	The Topology Optimization Rule for Multi-Agent System Fast Consensus. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1675	Differential Evolution of Correlation Indexes for Link Prediction. , 2018, , .		1
1676	Investigating Similarity of Nodes' Attributes in Topological Based Communities.. , 2018, , .		6
1677	Influence Propagation Model for Clique-Based Community Detection in Social Networks. IEEE Transactions on Computational Social Systems, 2018, 5, 563-575.	3.2	34
1678	The mutual specification of genres and audiences: Reflective two-mode centralities in person-to-culture data. Poetics, 2018, 68, 52-71.	0.6	16
1679	Community-Based Recommendation for Cold-Start Problem: A Case Study of Reciprocal Online Dating Recommendation. Lecture Notes in Social Networks, 2018, , 201-222.	0.8	0
1680	Punishing the redundant influence improves the accuracy of link prediction. International Journal of Modern Physics B, 2018, 32, 1850179.	1.0	1
1681	Roles of degree, H-index and coreness in link prediction of complex networks. International Journal of Modern Physics B, 2018, 32, 1850197.	1.0	7
1682	A reliability and link analysis based method for mining domain experts in dynamic social networks. Journal of Intelligent and Fuzzy Systems, 2018, 34, 2061-2073.	0.8	1
1683	Assessment of the key regulatory genes and their Interologs for Turner Syndrome employing network approach. Scientific Reports, 2018, 8, 10091.	1.6	26
1684	A two-stage algorithm for network reconstruction. Applied Soft Computing Journal, 2018, 70, 751-763.	4.1	5
1685	Coverage of Epidemics in American Newspapers Through the Lens of the Crisis and Emergency Risk Communication Framework. Health Security, 2018, 16, 147-157.	0.9	63
1686	A dynamic weighted TOPSIS method for identifying influential nodes in complex networks. Modern Physics Letters B, 2018, 32, 1850216.	1.0	30
1687	Market Basket Analysis Using Minimum Spanning Trees. Lecture Notes in Social Networks, 2018, , 155-167.	0.8	2
1688	Identifying influential spreaders based on diffusion K-truss decomposition. International Journal of Modern Physics B, 2018, 32, 1850238.	1.0	1
1689	A framework of community detection based on individual labels in attribute networks. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 523-536.	1.2	8
1690	M-Centrality: identifying key nodes based on global position and local degree variation. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 073407.	0.9	51
1691	A Hybrid Spectral Method for Network Community Detection. Lecture Notes in Computer Science, 2018, , 90-104.	1.0	3
1692	Weighted Betweenness Preferential Attachment: A New Mechanism Explaining Social Network Formation and Evolution. Scientific Reports, 2018, 8, 10871.	1.6	36

#	ARTICLE	IF	CITATIONS
1693	Brain Network Modularity Predicts Exercise-Related Executive Function Gains in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 426.	1.7	83
1694	Disrupted Module Efficiency of Structural and Functional Brain Connectomes in Clinically Isolated Syndrome and Multiple Sclerosis. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 138.	1.0	22
1695	Search result diversification on attributed networks via nonnegative matrix factorization. <i>Information Processing and Management</i> , 2018, 54, 1277-1291.	5.4	12
1696	A comparative study on community detection methods in complex networks. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 1077-1086.	0.8	28
1697	Regularized Multi-View Subspace Clustering for Common Modules Across Cancer Stages. <i>Molecules</i> , 2018, 23, 1016.	1.7	12
1698	Interactive Visual Graph Mining and Learning. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2018, 9, 1-25.	2.9	10
1699	Leveraging the nonuniform PSO network model as a benchmark for performance evaluation in community detection and link prediction. <i>New Journal of Physics</i> , 2018, 20, 063022.	1.2	25
1700	Network community detection using modularity density measures. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 053406.	0.9	22
1701	Disjoint Community Detection in Networks Based on the Relative Association of Members. <i>IEEE Transactions on Computational Social Systems</i> , 2018, 5, 493-507.	3.2	15
1702	Identifying influential nodes based on network representation learning in complex networks. <i>PLoS ONE</i> , 2018, 13, e0200091.	1.1	27
1703	The difference between optimal and germane communities. <i>Social Network Analysis and Mining</i> , 2018, 8, 1.	1.9	2
1704	Different Anti-Vaping Campaigns Attracting the Same Opponent Community. <i>IEEE Transactions on Nanobioscience</i> , 2018, 17, 409-416.	2.2	1
1705	SNMFP: A two-stage approach to community detection in signed networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 510, 754-764.	1.2	3
1706	Improved centrality indicators to characterize the nodal spreading capability in complex networks. <i>Applied Mathematics and Computation</i> , 2018, 334, 388-400.	1.4	100
1707	A generalised significance test for individual communities in networks. <i>Scientific Reports</i> , 2018, 8, 7351.	1.6	18
1708	The fastest spreader in SIS epidemics on networks. <i>European Physical Journal B</i> , 2018, 91, 1.	0.6	0
1709	A Fusion Link Prediction Method Based on Limit Theorem. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 32.	1.3	1
1710	Anomaly Detection With Subgraph Search and Vertex Classification Preprocessing in Chung-Lu Random Networks. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 5255-5268.	3.2	9

#	ARTICLE	IF	CITATIONS
1711	Convex skeletons of complex networks. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180422.	1.5	5
1712	Ranking the spreading capability of nodes in complex networks based on link significance. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 929-937.	1.2	10
1713	Sequence comparison in computational historical linguistics. <i>Journal of Language Evolution</i> , 2018, 3, 130-144.	0.4	19
1714	Degree distributions of bipartite networks and their projections. <i>Physical Review E</i> , 2018, 98, 022307.	0.8	18
1715	Consistency of modularity clustering on random geometric graphs. <i>Annals of Applied Probability</i> , 2018, 28, .	0.6	8
1716	Sequences of purchases in credit card data reveal lifestyles in urban populations. <i>Nature Communications</i> , 2018, 9, 3330.	5.8	55
1717	Contacts-aware opportunistic forwarding in mobile social networks: A community perspective. , 2018, , .		17
1718	Uncovering the Nucleus of Social Networks. , 2018, , .		3
1719	Comparative analysis of two discretizations of Ricci curvature for complex networks. <i>Scientific Reports</i> , 2018, 8, 8650.	1.6	80
1720	The independence of the centrality for community detection. <i>International Journal of Modern Physics C</i> , 2018, 29, 1850060.	0.8	1
1721	Combining Link and Content for Community Detection. , 2018, , 301-312.		1
1722	Network community-based model reduction for vortical flows. <i>Physical Review E</i> , 2018, 97, 063103.	0.8	24
1723	Optimized Label Propagation Community Detection on Big Data Networks. , 2018, , .		5
1724	A parallel adaptive quantum genetic algorithm for the controllability of arbitrary networks. <i>PLoS ONE</i> , 2018, 13, e0193827.	1.1	4
1725	Connectivity as an emergent property of geomorphic systems. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 4-26.	1.2	233
1726	Community Detection Using Node Attributes: A Non-negative Matrix Factorization Approach. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 275-285.	0.5	3
1727	iSIRA: Integrated shift-invert residual Arnoldi method for graph Laplacian matrices from big data. <i>Journal of Computational and Applied Mathematics</i> , 2019, 346, 518-531.	1.1	6
1728	A Survey on Network Embedding. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019, 31, 833-852.	4.0	741

#	ARTICLE	IF	CITATIONS
1729	Inverse modelling-based multi-objective evolutionary algorithm with decomposition for community detection in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 662-674.	1.2	17
1730	p-means centrality. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 68, 41-55.	1.7	12
1731	Structural covariance and cortical reorganisation in schizophrenia: a MRI-based morphometric study. <i>Psychological Medicine</i> , 2019, 49, 412-420.	2.7	34
1732	The application of degree related clustering coefficient in estimating the link predictability and predicting missing links of networks. <i>Chaos</i> , 2019, 29, 053135.	1.0	5
1733	Statistical Inference of Diffusion Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019, , 1-1.	4.0	9
1734	Organizing Project Actors for Collective Decision-Making about Interdependent Risks. <i>Complexity</i> , 2019, 2019, 1-18.	0.9	1
1735	Community Search over Big Graphs. <i>Synthesis Lectures on Data Management</i> , 2019, 14, 1-206.	0.6	24
1736	ANDERATION: A New Anti-Community Detection Algorithm and its Application to Explore Incompatibility of Traditional Chinese Medicine. <i>IEEE Access</i> , 2019, 7, 113975-113987.	2.6	0
1737	Error-correcting decoders for communities in networks. <i>Applied Network Science</i> , 2019, 4, .	0.8	1
1738	Guideline for comparing functional enrichment of biological network modular structures. <i>Applied Network Science</i> , 2019, 4, .	0.8	4
1739	Discerning Influential Spreaders in Complex Networks by Accounting the Spreading Heterogeneity of the Nodes. <i>IEEE Access</i> , 2019, 7, 92070-92078.	2.6	11
1740	Selective Brain Network and Cellular Responses Upon Dimethyl Fumarate Immunomodulation in Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2019, 10, 1779.	2.2	5
1741	Estimation of traffic flow changes using networks in networks approaches. <i>Applied Network Science</i> , 2019, 4, .	0.8	10
1742	Neighbor Similarity Based Agglomerative Method for Community Detection in Networks. <i>Complexity</i> , 2019, 2019, 1-16.	0.9	10
1743	Exergy and network analysis of chemical sites. <i>Sustainable Production and Consumption</i> , 2019, 19, 270-288.	5.7	13
1744	Five decades of research on urban poverty: Main research communities, core knowledge producers, and emerging thematic areas. <i>Journal of Cleaner Production</i> , 2019, 237, 117850.	4.6	18
1745	K -Lowest-Influence Overlapping Nodes Based Community Detection in Complex Networks. <i>IEEE Access</i> , 2019, 7, 109646-109661.	2.6	8
1746	Modular structure in <i>C. elegans</i> neural network and its response to external localized stimuli. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 122051.	1.2	13

#	ARTICLE	IF	CITATIONS
1747	A Random Sampling $O(n)$ Forceâ€œcalculation Algorithm for Graph Layouts. Computer Graphics Forum, 2019, 38, 739-751.	1.8	9
1748	Auto-weighted Multi-view learning for Semi-Supervised graph clustering. Neurocomputing, 2019, 362, 19-32.	3.5	12
1749	A Nonlinear Spectral Method for Core-Periphery Detection in Networks. SIAM Journal on Mathematics of Data Science, 2019, 1, 269-292.	1.0	26
1750	Super-resolution modularity analysis shows polyhedral caveolin-1 oligomers combine to form scaffolds and caveolae. Scientific Reports, 2019, 9, 9888.	1.6	37
1751	Structural sparsity of complex networks: Bounded expansion in random models and real-world graphs. Journal of Computer and System Sciences, 2019, 105, 199-241.	0.9	7
1752	Label propagation method based on bi-objective optimization for ambiguous community detection in large networks. Scientific Reports, 2019, 9, 9999.	1.6	0
1753	Refined parcellation of the nervous system by algorithmic detection of hidden features within communities. Physical Review E, 2019, 100, 012301.	0.8	2
1754	Predator-prey games on complex networks. Communications in Nonlinear Science and Numerical Simulation, 2019, 79, 104911.	1.7	10
1755	Detecting communities from networks using an improved self-organizing map. International Journal of Modern Physics C, 2019, 30, 1950054.	0.8	1
1756	Industrial Productivity Divergence and Input-Output Network Structures: Evidence from Japan 1973â€œ2012. Economies, 2019, 7, 52.	1.2	4
1757	Ollivier-Ricci Curvature-Based Method to Community Detection in Complex Networks. Scientific Reports, 2019, 9, 9800.	1.6	55
1758	On the Origin of Biomolecular Networks. Frontiers in Genetics, 2019, 10, 240.	1.1	17
1759	Modularized tri-factor nonnegative matrix factorization for community detection enhancement. Physica A: Statistical Mechanics and Its Applications, 2019, 533, 122050.	1.2	8
1760	Centrality in Complex Networks with Overlapping Community Structure. Scientific Reports, 2019, 9, 10133.	1.6	66
1761	News Frame Analysis: An Inductive Mixed-method Computational Approach. Communication Methods and Measures, 2019, 13, 248-266.	3.0	103
1762	Community detection in civil society online networks: Theoretical guide and empirical assessment. Social Networks, 2019, 59, 120-133.	1.3	14
1763	The heterogeneity in link weights may decrease the robustness of real-world complex weighted networks. Scientific Reports, 2019, 9, 10692.	1.6	44
1764	CDLIB: a python library to extract, compare and evaluate communities from complex networks. Applied Network Science, 2019, 4, .	0.8	73

#	ARTICLE	IF	CITATIONS
1765	Multivariate Spatiotemporal Hawkes Processes and Network Reconstruction. SIAM Journal on Mathematics of Data Science, 2019, 1, 356-382.	1.0	26
1766	Collaborative Learning Agents (CLA) for Swarm Intelligence and Applications to Health Monitoring of System of Systems. Lecture Notes in Computer Science, 2019, , 706-718.	1.0	1
1767	An adaptive discrete particle swarm optimization for influence maximization based on network community structure. International Journal of Modern Physics C, 2019, 30, 1950050.	0.8	10
1768	Community Detection in Social Networks: Literature Review. Journal of Information and Knowledge Management, 2019, 18, 1950019.	0.8	4
1769	Detecting Fake News on Social Media. Synthesis Lectures on Data Mining and Knowledge Discovery, 2019, 11, 1-129.	0.5	22
1770	Recent advance on detecting core-periphery structure: a survey. CCF Transactions on Pervasive Computing and Interaction, 2019, 1, 175-189.	1.7	12
1771	SimNet: Similarity-based network embeddings with mean commute time. PLoS ONE, 2019, 14, e0221172.	1.1	7
1772	A hybrid iterated carousel greedy algorithm for community detection in complex networks. Physica A: Statistical Mechanics and Its Applications, 2019, 536, 122124.	1.2	11
1774	Ego-zones: non-symmetric dependencies reveal network groups with large and dense overlaps. Applied Network Science, 2019, 4, .	0.8	7
1775	Local memory boosts label propagation for community detection. Applied Network Science, 2019, 4, .	0.8	6
1776	Hierarchical Community Structure Preserving Network Embedding. , 2019, , .		26
1777	A detailed characterization of complex networks using Information Theory. Scientific Reports, 2019, 9, 16689.	1.6	19
1778	Reduced network extremal ensemble learning (RenEEL) scheme for community detection in complex networks. Scientific Reports, 2019, 9, 14234.	1.6	6
1779	A new local algorithm for overlapping community detection based on clustering coefficient and common neighbor similarity. , 2019, , .		1
1780	Identify Connected Positive Influence Dominating Set in Social Networks Using Two-Hop Coverage. IEEE Transactions on Computational Social Systems, 2019, 6, 956-967.	3.2	6
1781	Weighted h-index for Identifying Influential Spreaders. Symmetry, 2019, 11, 1263.	1.1	8
1782	Multi-hop assortativities for network classification. Journal of Complex Networks, 2019, 7, 603-622.	1.1	7
1783	Link prediction based on combined influence and effective path. International Journal of Modern Physics B, 2019, 33, 1950249.	1.0	7

#	ARTICLE	IF	CITATIONS
1784	Learning Edge Properties in Graphs from Path Aggregations. , 2019, , .		3
1785	Multiscale Local Community Detection in Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	4.0	15
1786	Scalable MCMC in Degree Corrected Stochastic Block Model. , 2019, , .		1
1787	Security Through Simplicity: A Case Study in Logical Segmentation Inference. Computer, 2019, 52, 76-79.	1.2	0
1788	Attributed network embedding via subspace discovery. Data Mining and Knowledge Discovery, 2019, 33, 1953-1980.	2.4	29
1789	Ensemble clustering for graphs: comparisons and applications. Applied Network Science, 2019, 4, .	0.8	13
1790	Neighbors-based divisive algorithm for hierarchical analysis in networks. International Journal of Modern Physics C, 2019, 30, 1940003.	0.8	0
1791	An effective similarity measure based on kernel spectral method for complex networks. International Journal of Modern Physics C, 2019, 30, 1940005.	0.8	0
1792	FluidC+: A novel community detection algorithm based on fluid propagation. International Journal of Modern Physics C, 2019, 30, 1950021.	0.8	1
1793	The Influence of Cerebrospinal Fluid Abnormalities and APOE 4 on PHF-Tau Protein: Evidence From Voxel Analysis and Graph Theory. Frontiers in Aging Neuroscience, 2019, 11, 208.	1.7	3
1794	Awakening: Predicting external stimulation to force transitions between different brain states. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18088-18097.	3.3	176
1795	Identification and Classification of Differentially Expressed Genes and Network Meta-Analysis Reveals Potential Molecular Signatures Associated With Tuberculosis. Frontiers in Genetics, 2019, 10, 932.	1.1	26
1796	A new method for detecting communities and their centers using the Adamic/Adar Index and game theory. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122354.	1.2	6
1797	DDGK: Learning Graph Representations for Deep Divergence Graph Kernels. , 2019, , .		37
1798	A Novel Community Detection Algorithm Based on Local Similarity of Clustering Coefficient in Social Networks. IEEE Access, 2019, 7, 121586-121598.	2.6	18
1799	Community Detection in Social Graph Using Nature-Inspired Based Artificial Bee Colony Algorithm with Crossover and Mutation. , 2019, , .		1
1800	Impact of heterogeneous distribution of immunization probability on recurrent epidemic outbreaks. International Journal of Modern Physics C, 2019, 30, 1950093.	0.8	0
1801	Locating the Source of Diffusion in Complex Networks via Gaussian-Based Localization and Deduction. Applied Sciences (Switzerland), 2019, 9, 3758.	1.3	13

#	ARTICLE	IF	CITATIONS
1802	A comprehensive literature review on community detection: Approaches and applications. <i>Procedia Computer Science</i> , 2019, 151, 295-302.	1.2	33
1803	Acupoint selection principles in acupuncture and moxibustion for obesity based on Q-PSO algorithm. <i>World Journal of Acupuncture-moxibustion</i> , 2019, 29, 216-220.	0.1	2
1804	Transitivity correlation: A descriptive measure of network transitivity. <i>Network Science</i> , 2019, 7, 353-375.	0.8	1
1805	Solving large minimum vertex cover problems on a quantum annealer. , 2019, , .		19
1806	Detecting communities from networks based on their intrinsic properties. <i>International Journal of Modern Physics C</i> , 2019, 30, 1950104.	0.8	2
1807	Fratricide in rebel movements: A network analysis of Syrian militant infighting. <i>Journal of Peace Research</i> , 2019, 56, 321-335.	1.5	48
1808	Detecting clusters over intercity transportation networks using K-shortest paths and hierarchical clustering: a case study of mainland China. <i>International Journal of Geographical Information Science</i> , 2019, 33, 1082-1105.	2.2	16
1809	A reversed node ranking approach for influence maximization in social networks. <i>Applied Intelligence</i> , 2019, 49, 2684-2698.	3.3	32
1810	A divide and agglomerate algorithm for community detection in social networks. <i>Information Sciences</i> , 2019, 482, 321-333.	4.0	33
1811	Characterization of Symmetry of Complex Networks. <i>Symmetry</i> , 2019, 11, 692.	1.1	7
1812	Dynamical exploration of the repertoire of brain networks at rest is modulated by psilocybin. <i>NeuroImage</i> , 2019, 199, 127-142.	2.1	152
1813	Evidence for fungi and gold redox interaction under Earth surface conditions. <i>Nature Communications</i> , 2019, 10, 2290.	5.8	25
1814	Brain network modularity predicts cognitive training-related gains in young adults. <i>Neuropsychologia</i> , 2019, 131, 205-215.	0.7	29
1815	Identification of Spatiotemporal Relationships in Travel Speeds along Individual Roadways using Probe Vehicle Data. <i>Transportation Research Record</i> , 2019, 2673, 546-560.	1.0	2
1816	LAPSO-IM: A learning-based influence maximization approach for social networks. <i>Applied Soft Computing Journal</i> , 2019, 82, 105554.	4.1	51
1817	Generative Graph Models based on Laplacian Spectra?. , 2019, , .		4
1818	Protein interactions and consensus clustering analysis uncover insights into herpesvirus virion structure and function relationships. <i>PLoS Biology</i> , 2019, 17, e3000316.	2.6	18
1819	Identifying influential spreaders by gravity model. <i>Scientific Reports</i> , 2019, 9, 8387.	1.6	99

#	ARTICLE	IF	CITATIONS
1820	Minimum Control Cost of Weighted Linear Dynamic Networks. Lecture Notes in Computer Science, 2019, , 111-123.	1.0	0
1821	Detection and visualization of communities in mass spectrometry imaging data. BMC Bioinformatics, 2019, 20, 303.	1.2	15
1822	Longitudinal cortical network reorganization in early relapsingâ€“remitting multiple sclerosis. Therapeutic Advances in Neurological Disorders, 2019, 12, 175628641983867.	1.5	26
1823	Link Prediction Based on Community Information and Its Parallelization. IEEE Access, 2019, 7, 62633-62645.	2.6	10
1824	Effect of antipsychotics on community structure in functional brain networks. Journal of Complex Networks, 2019, 7, 932-960.	1.1	12
1825	Reconstruction and inference of the Lactococcus lactis MG1363 gene co-expression network. PLoS ONE, 2019, 14, e0214868.	1.1	5
1826	Identifying Influential Rumor Spreader in Social Network. Discrete Dynamics in Nature and Society, 2019, 2019, 1-10.	0.5	5
1827	Identifying lncRNA-mediated regulatory modules via ChIA-PET network analysis. BMC Bioinformatics, 2019, 20, 292.	1.2	10
1828	Fault tolerance of random graphs with respect to connectivity: Mean-field approximation for semidense random graphs. Physical Review E, 2019, 99, 050304.	0.8	0
1829	Adversarial Training Methods for Network Embedding. , 2019, , .		52
1830	Detecting communities by suspecting the maximum degree nodes. International Journal of Modern Physics B, 2019, 33, 1950133.	1.0	3
1831	Network Patterns of Beta-Amyloid Deposition in Parkinsonâ€™s Disease. Molecular Neurobiology, 2019, 56, 7731-7740.	1.9	12
1832	Thick Data: A New Qualitative Analytics for Identifying Customer Insights. IT Professional, 2019, 21, 4-13.	1.4	17
1833	DPSCAN: Structural Graph Clustering Based on Density Peaks. Lecture Notes in Computer Science, 2019, , 626-641.	1.0	2
1834	Quasi-Laplacian centrality: A new vertex centrality measurement based on Quasi-Laplacian energy of networks. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121130.	1.2	19
1835	A multi-objective ant colony optimization with decomposition for community detection in complex networks. Transactions of the Institute of Measurement and Control, 2019, 41, 2521-2534.	1.1	3
1836	Link prediction based on weighted synthetical influence of degree and H-index on complex networks. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121184.	1.2	5
1837	A novel node gravitation-based label propagation algorithm for community detection. International Journal of Modern Physics C, 2019, 30, 1950049.	0.8	10

#	ARTICLE	IF	CITATIONS
1838	Seeking community structure in networks via biogeography-based optimization with consensus dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121188.	1.2	5
1839	A similarity based generalized modularity measure towards effective community discovery in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121338.	1.2	5
1840	Link prediction based on linear dynamical response. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121397.	1.2	6
1841	GA-Based Q-Attack on Community Detection. <i>IEEE Transactions on Computational Social Systems</i> , 2019, 6, 491-503.	3.2	63
1842	A novel complex network community detection approach using discrete particle swarm optimization with particle diversity and mutation. <i>Applied Soft Computing Journal</i> , 2019, 81, 105476.	4.1	36
1843	An effective scheme to address influence maximization for opinion formation in social networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019, 30, e3599.	2.6	3
1844	SECTOR: A Neural Model for Coherent Topic Segmentation and Classification. <i>Transactions of the Association for Computational Linguistics</i> , 2019, 7, 169-184.	3.2	34
1845	Brain Imaging of the Cortex in ADHD: A Coordinated Analysis of Large-Scale Clinical and Population-Based Samples. <i>American Journal of Psychiatry</i> , 2019, 176, 531-542.	4.0	261
1846	Network based statistics reveals trophic and neuroprotective effect of early high dose erythropoetin on brain connectivity in very preterm infants. <i>NeuroImage: Clinical</i> , 2019, 22, 101806.	1.4	21
1847	The Local Triangle Structure Centrality Method to Rank Nodes in Networks. <i>Complexity</i> , 2019, 2019, 1-16.	0.9	6
1848	Structure and stability of the coral microbiome in space and time. <i>Scientific Reports</i> , 2019, 9, 6785.	1.6	74
1849	Community detection in facebook activity networks and presenting a new multilayer label propagation algorithm for community detection. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950089.	1.0	12
1850	Topological and functional comparison of community detection algorithms in biological networks. <i>BMC Bioinformatics</i> , 2019, 20, 212.	1.2	41
1851	The Altered Reconfiguration Pattern of Brain Modular Architecture Regulates Cognitive Function in Cerebral Small Vessel Disease. <i>Frontiers in Neurology</i> , 2019, 10, 324.	1.1	27
1852	From Louvain to Leiden: guaranteeing well-connected communities. <i>Scientific Reports</i> , 2019, 9, 5233.	1.6	2,249
1853	Ocean Acidification Regulates the Activity, Community Structure, and Functional Potential of Heterotrophic Bacterioplankton in an Oligotrophic Gyre. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2019, 124, 1001-1017.	1.3	10
1854	Unit Disk Graph-Based Node Similarity Index for Complex Network Analysis. <i>Complexity</i> , 2019, 2019, 1-22.	0.9	4
1855	Identifying influential spreaders in complex networks by propagation probability dynamics. <i>Chaos</i> , 2019, 29, 033120.	1.0	45

#	ARTICLE	IF	CITATIONS
1856	Anti-seasonal submergence dominates the structure and composition of prokaryotic communities in the riparian zone of the Three Gorges Reservoir, China. <i>Science of the Total Environment</i> , 2019, 663, 662-672.	3.9	18
1857	Temporal-Spatial Patterns in Dynamic Functional Brain Network for Self-Paced Hand Movement. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 643-651.	2.7	6
1858	A Comparative Study of Cluster Detection Algorithms in Protein-Protein Interaction for Drug Target Discovery and Drug Repurposing. <i>Frontiers in Pharmacology</i> , 2019, 10, 109.	1.6	26
1859	TIFIM: A Two-stage Iterative Framework for Influence Maximization in Social Networks. <i>Applied Mathematics and Computation</i> , 2019, 354, 338-352.	1.4	80
1860	From networks to optimal higher-order models of complex systems. <i>Nature Physics</i> , 2019, 15, 313-320.	6.5	239
1861	Parallel Conical Area Community Detection Using Evolutionary Multi-Objective Optimization. <i>Processes</i> , 2019, 7, 111.	1.3	3
1862	Snooping Around a Fence: A Lesson from the Education Sector in a Software Service Ecosystem. <i>Lecture Notes in Computer Science</i> , 2019, , 66-76.	1.0	1
1863	Counts-of-counts similarity for prediction and search in relational data. <i>Data Mining and Knowledge Discovery</i> , 2019, 33, 1254-1297.	2.4	0
1864	Effects of seniority, gender and geography on the bibliometric output and collaboration networks of European Research Council (ERC) grant recipients. <i>PLoS ONE</i> , 2019, 14, e0212286.	1.1	20
1865	The bridge between cognition and behavior in acquired brain injury: A graph theoretical approach. <i>Brain and Behavior</i> , 2019, 9, e01208.	1.0	10
1866	An efficient method to detect communities in social networks using DBSCAN algorithm. <i>Social Network Analysis and Mining</i> , 2019, 9, 1.	1.9	12
1867	Age-related differences in network flexibility and segregation at rest and during motor performance. <i>NeuroImage</i> , 2019, 194, 93-104.	2.1	26
1868	Graph-Based Community Detection for Decoy Selection in Template-Free Protein Structure Prediction. <i>Molecules</i> , 2019, 24, 854.	1.7	9
1869	Altered ability to access a clinically relevant control network in patients remitted from major depressive disorder. <i>Human Brain Mapping</i> , 2019, 40, 2771-2786.	1.9	76
1870	Guided graph spectral embedding: Application to the <i>C. elegans</i> connectome. <i>Network Neuroscience</i> , 2019, 3, 807-826.	1.4	11
1871	Effective Link Prediction Based on Community Relationship Strength. <i>IEEE Access</i> , 2019, 7, 43233-43248.	2.6	23
1872	A New Network Feature Affects the Intervention Performance on Public Opinion Dynamic Networks. <i>Scientific Reports</i> , 2019, 9, 5089.	1.6	0
1873	The overlapping continuum of host range among strains in the <i>Pseudomonas syringae</i> complex. <i>Phytopathology Research</i> , 2019, 1, .	0.9	75

#	ARTICLE	IF	CITATIONS
1874	Detecting community structure in complex networks via resistance distance. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120782.	1.2	14
1875	Finding community of brain networks based on artificial bee colony with uniform design. <i>Multimedia Tools and Applications</i> , 2019, 78, 33297-33317.	2.6	4
1876	A semi-supervised deep network embedding approach based on the neighborhood structure. <i>Big Data Mining and Analytics</i> , 2019, 2, 205-216.	7.5	5
1877	Genetic Algorithms for Discovering Community Cores Hidden within Multidimensional Social Networks. , 2019, , .		0
1879	Edge-Nodes Representation Neural Machine for Link Prediction. <i>Algorithms</i> , 2019, 12, 12.	1.2	3
1880	Differential network enrichment analysis reveals novel lipid pathways in chronic kidney disease. <i>Bioinformatics</i> , 2019, 35, 3441-3452.	1.8	26
1881	The evolution of citation graphs in artificial intelligence research. <i>Nature Machine Intelligence</i> , 2019, 1, 79-85.	8.3	65
1882	Comparisons of KarcÅ±Åand Shannon entropies and their effects on centrality of social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 352-363.	1.2	19
1883	Identification of Missing Links Using Susceptible-Infected-Susceptible Spreading Traces. <i>IEEE Transactions on Network Science and Engineering</i> , 2019, 6, 917-927.	4.1	4
1884	Emergence of Stable and Glassy States in Dynamics of Social Networks. , 2019, , 49-69.		0
1885	An approach based on mixed hierarchical clustering and optimization for graph analysis in social media network: toward globally hierarchical community structure. <i>Knowledge and Information Systems</i> , 2019, 60, 907-947.	2.1	4
1886	Hierarchical Ego based Community Detection in Social Network. , 2019, , .		0
1887	Detection of Hierarchical Overlapping Communities in Complex Networks. , 2019, , .		0
1888	Improved Deep Embeddings for Inferencing with Multi-Layered Graphs. , 2019, , .		3
1889	Bridging the Gap between Community and Node Representations: Graph Embedding via Community Detection. , 2019, , .		4
1890	DSSLP: A Distributed Framework for Semi-supervised Link Prediction. , 2019, , .		4
1891	Cancer Biomarker Discovery from Gene Co-expression Networks Using Community Detection Methods. , 2019, , .		3
1892	An Efficient Graph Eccentric Approach to find Influential Nodes in Social Network. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
1893	Unsupervised Classification for Social Networks with RS Matrix. , 2019, , .		1
1894	Measuring intrinsic significance of community structure. International Journal of Modern Physics C, 2019, 30, 1950068.	0.8	1
1895	An Efficient Algorithm for Link Prediction Based on Local Information: Considering the Effect of Node Degree. , 2019, , .		1
1896	Spaceland Embedding of Sparse Stochastic Graphs. , 2019, , .		4
1897	Link prediction based on the tie connection strength of common neighbor. International Journal of Modern Physics C, 2019, 30, 1950089.	0.8	3
1898	Learning Diffusions without Timestamps. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 582-589.	3.6	3
1899	A Survey of Different Methods in Finding Latent Relationships among Complex Networks. , 2019, , .		1
1900	Summarizing the Slices: Sample-Based Core-Periphery Classification on Complex Networks. , 2019, , .		0
1901	Link Prediction Evaluation Using Palette Weisfeiler-Lehman Graph Labelling Algorithm. International Journal of Knowledge and Systems Science, 2019, 10, 1-20.	0.5	3
1902	Enhancing link prediction by exploring community membership of nodes. International Journal of Modern Physics B, 2019, 33, 1950382.	1.0	8
1903	An Improved LFM Algorithm Based on Fitness Function and Community Similarity. , 2019, , .		0
1904	Shapley Value and Extremal Optimization for the Network Influence Maximization Problem. , 2019, , .		2
1905	On the Lower Bound of Modularity for Graph Fission. , 2019, , .		0
1906	Effectively Detecting Communities by Adjusting Initial Structure via Cores. Complexity, 2019, 2019, 1-20.	0.9	3
1907	Detecting community structure by belonging intensity analysis of intermediate nodes. International Journal of Modern Physics C, 2019, 30, 1950079.	0.8	0
1908	Mean-field theory of graph neural networks in graph partitioning. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 124007.	0.9	14
1909	Improved P2P Botnet Community Detection: Combining Modularity and Strong Community. , 2019, , .		3
1910	A Comparative Study of Link Prediction Algorithms For Social Networks of Varying Sizes. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
1911	On Herb Compatibility Rule of Insomnia Based on Machine Learning Approaches. , 2019, , .		1
1912	A Bayesian Inference Method Using Monte Carlo Sampling for Estimating the Number of Communities in Bipartite Networks. Scientific Programming, 2019, 2019, 1-12.	0.5	1
1913	Model selection for relational data factorization. , 2019, , .		1
1914	Computing the statistical significance of optimized communities in networks. Scientific Reports, 2019, 9, 18444.	1.6	8
1915	Gragnostics: Fast, Interpretable Features for Comparing Graphs. , 2019, , .		7
1916	Community Detection with Self-Adapting Switching Based on Affinity. Complexity, 2019, 2019, 1-16.	0.9	0
1917	Relating Modularity Maximization and Stochastic Block Models in Multilayer Networks. SIAM Journal on Mathematics of Data Science, 2019, 1, 667-698.	1.0	16
1918	Finding Community Modules of Brain Networks Based on PSO with Uniform Design. BioMed Research International, 2019, 2019, 1-14.	0.9	3
1919	DynaMo: Dynamic Community Detection by Incrementally Maximizing Modularity. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	4.0	32
1920	A Computational Framework for Predicting Direct Contacts and Substructures within Protein Complexes. Biomolecules, 2019, 9, 656.	1.8	0
1921	Complex Network Analysis of Water Distribution Systems in Their Dual Representation Using Isolation Valve Information. , 2019, , .		8
1922	Development and Implementation of Enhanced Segmentation Algorithm in Software Defined Networks. , 2019, , .		1
1923	D-Chain Tomography of Networks: A New Structure Spectrum and an Application to the SIR Process. SIAM Journal on Applied Dynamical Systems, 2019, 18, 2181-2201.	0.7	1
1924	Uncovering community structure in networks via hybrid clustering using cascading failure dynamics and topological metric functions. International Journal of Modern Physics B, 2019, 33, 1950352.	1.0	1
1925	Unsupervised methods for Software Defect Prediction. , 2019, , .		3
1926	A novel complex network link prediction framework via combining mutual information with local naive Bayes. Chaos, 2019, 29, 113110.	1.0	6
1927	Identifying Influential Nodes with a Community Structure Measure. , 2019, , .		3
1928	A review of stochastic block models and extensions for graph clustering. Applied Network Science, 2019, 4, .	0.8	89

#	ARTICLE	IF	CITATIONS
1929	On community structure in complex networks: challenges and opportunities. <i>Applied Network Science</i> , 2019, 4, .	0.8	104
1930	Networks clustering with bee colony. <i>Artificial Intelligence Review</i> , 2019, 52, 1297-1309.	9.7	3
1931	Exponentially Twisted Sampling for Centrality Analysis and Community Detection in Attributed Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2019, 6, 684-697.	4.1	7
1932	Clustering Method Based on Centrality Metrics for Social Network Analysis. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 591-597.	0.3	1
1933	A spectral method to find communities in bipartite networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 424-437.	1.2	9
1934	Identification of top-k influential nodes based on enhanced discrete particle swarm optimization for influence maximization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 477-496.	1.2	38
1935	A complex network community detection algorithm based on label propagation and fuzzy C-means. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 519, 217-226.	1.2	27
1936	Community detection in complex networks using edge-deleting with restrictions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 519, 181-194.	1.2	17
1937	Modeling, Analysis and Validation of Evolving Networks With Hybrid Interactions. <i>IEEE/ACM Transactions on Networking</i> , 2019, 27, 126-142.	2.6	7
1938	Locally-biased spectral approximation for community detection. <i>Knowledge-Based Systems</i> , 2019, 164, 459-472.	4.0	15
1939	Temperature dependent network stability in simple alcohols and pure water: The evolution of Laplace spectra. <i>Journal of Molecular Liquids</i> , 2019, 273, 670-675.	2.3	6
1940	Influence minimization in linear threshold networks. <i>Automatica</i> , 2019, 100, 10-16.	3.0	18
1941	A Link-Based Similarity for Improving Community Detection Based on Label Propagation Algorithm. <i>Journal of Systems Science and Complexity</i> , 2019, 32, 737-758.	1.6	34
1942	Study of the shear-rate dependence of granular friction based on community detection. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	4
1943	Community Detection Using an Enhanced Louvain Method in Complex Networks. <i>Lecture Notes in Computer Science</i> , 2019, , 243-250.	1.0	7
1944	Causal deconvolution by algorithmic generative models. <i>Nature Machine Intelligence</i> , 2019, 1, 58-66.	8.3	52
1945	A novel modularity-based discrete state transition algorithm for community detection in networks. <i>Neurocomputing</i> , 2019, 334, 89-99.	3.5	52
1946	Non-Backtracking Centrality Based Random Walk on Networks. <i>Computer Journal</i> , 2019, 62, 63-80.	1.5	13

#	ARTICLE	IF	CITATIONS
1947	A Memory-Based Label Propagation Algorithm for Community Detection. <i>Studies in Computational Intelligence</i> , 2019, , 171-182.	0.7	5
1948	On the Evaluation of Community Detection Algorithms on Heterogeneous Social Media Data. <i>Unsupervised and Semi-supervised Learning</i> , 2019, , 295-333.	0.4	1
1949	Ensemble Clustering for Graphs. <i>Studies in Computational Intelligence</i> , 2019, , 231-243.	0.7	11
1950	Community detection in social networks based on fire propagation. <i>Swarm and Evolutionary Computation</i> , 2019, 44, 31-48.	4.5	23
1951	Network reconstruction based on time series via memetic algorithm. <i>Knowledge-Based Systems</i> , 2019, 164, 404-425.	4.0	13
1952	Who are influential in Q&A communities? A measure of V-Constraint based on knowledge diffusion capability. <i>Journal of Information Science</i> , 2019, 45, 488-501.	2.0	2
1953	EHC: Extended H-index Centrality measure for identification of usersâ€™ spreading influence in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 141-155.	1.2	46
1954	Thresholds in the resilience of modular social networks to invasion by defectors. <i>Journal of Theoretical Biology</i> , 2019, 460, 56-63.	0.8	4
1955	Centrality and Partial Correlation Coefficient-Based Assortativity Analysis of Real-World Networks. <i>Computer Journal</i> , 2019, 62, 1247-1264.	1.5	3
1956	Studying Fake News via Network Analysis: Detection and Mitigation. <i>Lecture Notes in Social Networks</i> , 2019, , 43-65.	0.8	72
1957	C:N ratio shaped both taxonomic and functional structure of microbial communities in livestock and poultry breeding wastewater treatment reactor. <i>Science of the Total Environment</i> , 2019, 651, 625-633.	3.9	76
1958	Community detection based on network communicability distance. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 515, 112-118.	1.2	10
1959	Towards semantic segmentation of orthophoto images using graph-based community identification. <i>Neural Computing and Applications</i> , 2019, 31, 1155-1163.	3.2	1
1960	Graph Theoretical Framework of Brain Networks in Multiple Sclerosis: A Review of Concepts. <i>Neuroscience</i> , 2019, 403, 35-53.	1.1	117
1961	An efficient and fast algorithm for community detection based on node role analysis. <i>International Journal of Machine Learning and Cybernetics</i> , 2019, 10, 641-654.	2.3	3
1962	Probabilistic Community Detection With Unknown Number of Communities. <i>Journal of the American Statistical Association</i> , 2019, 114, 893-905.	1.8	34
1963	Controlling Best Response Dynamics for Network Games. <i>IEEE Transactions on Network Science and Engineering</i> , 2019, 6, 225-236.	4.1	2
1964	Community Detection in Multi-Layer Networks Using Joint Nonnegative Matrix Factorization. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019, 31, 273-286.	4.0	111

#	ARTICLE	IF	CITATIONS
1965	Hybrid Mixed-Membership Blockmodel for Inference on Realistic Network Interactions. IEEE Transactions on Network Science and Engineering, 2019, 6, 336-350.	4.1	9
1966	Powered Gaussian kernel spectral clustering. Neural Computing and Applications, 2019, 31, 557-572.	3.2	31
1967	Adapting the TopLeaders algorithm for dynamic social networks. Journal of Supercomputing, 2020, 76, 7883-7905.	2.4	10
1968	Improving Bitcoin Ownership Identification Using Transaction Patterns Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 9-20.	5.9	41
1969	Control Distance and Energy Scaling of Complex Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 726-736.	4.1	11
1970	Method towards discovering potential opportunity information during cross-organisational business processes using role identification analysis within complex social network. Enterprise Information Systems, 2020, 14, 436-462.	3.3	5
1971	A network-based concept extraction for managing customer requests in a social media care context. International Journal of Information Management, 2020, 51, 101956.	10.5	18
1972	A node-priority based large-scale overlapping community detection using evolutionary multi-objective optimization. Evolutionary Intelligence, 2020, 13, 59-68.	2.3	8
1973	Changes of the postcentral cortex in irritable bowel syndrome patients. Brain Imaging and Behavior, 2020, 14, 1566-1576.	1.1	13
1974	Identifying the Structure of Cities by Clustering Using a New Similarity Measure Based on Smart Card Data. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2002-2011.	4.7	30
1975	Stochastic Block Models are a Discrete Surface Tension. Journal of Nonlinear Science, 2020, 30, 2429-2462.	1.0	3
1976	Guiding Neuroevolution with Structural Objectives. Evolutionary Computation, 2020, 28, 115-140.	2.3	9
1977	Network Representation Learning: A Survey. IEEE Transactions on Big Data, 2020, 6, 3-28.	4.4	368
1978	Network analysis to measure academic performance in economics. Empirical Economics, 2020, 58, 995-1018.	1.5	1
1979	Online social network analysis: detection of communities of interest. Journal of Intelligent Information Systems, 2020, 54, 5-21.	2.8	24
1980	Community-Centric Brokerage-Aware Access Control for Online Social Networks. Future Generation Computer Systems, 2020, 109, 469-478.	4.9	7
1981	Topic and sentiment aware microblog summarization for twitter. Journal of Intelligent Information Systems, 2020, 54, 129-156.	2.8	18
1982	A spectral method to detect community structure based on the communicability modularity. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122751.	1.2	10

#	ARTICLE	IF	CITATIONS
1983	Digging the topology of rock art in northwestern Patagonia. <i>Journal of Complex Networks</i> , 2020, 8, .	1.1	7
1984	Detecting Disjoint Communities in a Social Network based on the Degrees of Association between Edges and Influential Nodes. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, , 1-1.	4.0	3
1985	Homophily Preserving Community Detection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 2903-2915.	7.2	18
1986	An ensemble based on a bi-objective evolutionary spectral algorithm for graph clustering. <i>Expert Systems With Applications</i> , 2020, 141, 112911.	4.4	7
1987	Modularized convex nonnegative matrix factorization for community detection in signed and unsigned networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 539, 122904.	1.2	9
1988	CNDP: Link prediction based on common neighbors degree penalization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 539, 122950.	1.2	38
1989	A Deep Generative Model for Graph Layout. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2020, 26, 665-675.	2.9	28
1990	Empowering graph segmentation methods with SOMs and CONN similarity for clustering large and complex data. <i>Neural Computing and Applications</i> , 2020, 32, 18161-18178.	3.2	6
1991	A three-stage algorithm on community detection in social networks. <i>Knowledge-Based Systems</i> , 2020, 187, 104822.	4.0	53
1992	IM&S&SO: Maximizing influence in social networks using social spider optimization. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5421.	1.4	19
1993	Containment of rumor spread in complex social networks. <i>Information Sciences</i> , 2020, 506, 113-130.	4.0	119
1994	Spectral based hypothesis testing for community detection in complex networks. <i>Information Sciences</i> , 2020, 512, 1360-1371.	4.0	10
1995	Automatic generation of adaptive network models based on similarity to the desired complex network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123353.	1.2	2
1996	A fine-grained loop-level parallel approach to efficient fuzzy community detection in complex networks. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5537.	1.4	0
1997	An optimisation tool for robust community detection algorithms using content and topology information. <i>Journal of Supercomputing</i> , 2020, 76, 226-254.	2.4	14
1998	Community detection in signed networks by relaxing modularity optimization with orthogonal and nonnegative constraints. <i>Neural Computing and Applications</i> , 2020, 32, 10645-10654.	3.2	4
1999	Core-periphery organization of the cryptocurrency market inferred by the modularity operator. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123075.	1.2	7
2000	Translating vitamin D transcriptomics to clinical evidence: Analysis of data in asthma and chronic obstructive pulmonary disease, followed by clinical data meta-analysis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 197, 105505.	1.2	3

#	ARTICLE	IF	CITATIONS
2001	Relative Assortativity Index: A Quantitative Metric to Assess the Impact of Link Prediction Techniques on Assortativity of Complex Networks. <i>Computer Journal</i> , 2020, 63, 1417-1437.	1.5	1
2002	A no self-edge stochastic block model and a heuristic algorithm for balanced anti-community detection in networks. <i>Information Sciences</i> , 2020, 518, 95-112.	4.0	3
2003	Large deviations for empirical measures of dense stochastic block graphs. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, , 1.	3.3	0
2004	Multiplex community detection in complex networks using an evolutionary approach. <i>Expert Systems With Applications</i> , 2020, 146, 113184.	4.4	21
2005	A Survey of Sentiment Analysis from Social Media Data. <i>IEEE Transactions on Computational Social Systems</i> , 2020, 7, 450-464.	3.2	96
2006	An improved multi-objective evolutionary algorithm for detecting communities in complex networks with graphlet measure. <i>Computer Networks</i> , 2020, 169, 107070.	3.2	3
2007	Analyses and applications of optimization methods for complex network reconstruction. <i>Knowledge-Based Systems</i> , 2020, 193, 105406.	4.0	4
2008	Link prediction in complex networks based on Significance of Higher-Order Path Index (SHOPI). <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123790.	1.2	27
2009	Predicting potential links via combined hybrid influence of endpoints and connectivity of quasi-local paths. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 548, 123850.	1.2	2
2010	Computational network biology: Data, models, and applications. <i>Physics Reports</i> , 2020, 846, 1-66.	10.3	126
2011	Complex Networks Theory. , 2020, , 45-69.		3
2012	GrAMME: Semisupervised Learning Using Multilayered Graph Attention Models. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 3977-3988.	7.2	23
2013	Autonomous Semantic Community Detection via Adaptively Weighted Low-rank Approximation. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2019, 15, 1-22.	3.0	6
2014	Local community detection by the nearest nodes with greater centrality. <i>Information Sciences</i> , 2020, 517, 377-392.	4.0	53
2015	Relative-path-based algorithm for link prediction on complex networks using a basic similarity factor. <i>Chaos</i> , 2020, 30, 013104.	1.0	16
2016	Identifying significant edges via neighborhood information. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 548, 123877.	1.2	10
2017	The effect of individual and food characteristics on food retrieval and food sharing in captive Guinea baboons (<i>Papio papio</i>). <i>American Journal of Primatology</i> , 2020, 82, e23078.	0.8	6
2018	Swash: A collective personal name matching framework. <i>Expert Systems With Applications</i> , 2020, 147, 113115.	4.4	1

#	ARTICLE	IF	CITATIONS
2019	Graph-based label propagation algorithm for community detection. <i>International Journal of Machine Learning and Cybernetics</i> , 2020, 11, 1319-1329.	2.3	20
2020	Analyzing co-authoring communities of tourism research collaboration. <i>Tourism Management Perspectives</i> , 2020, 33, 100607.	3.2	12
2021	CLP-ID: Community-based link prediction using information diffusion. <i>Information Sciences</i> , 2020, 514, 402-433.	4.0	36
2022	Network structure reveals clusters of associations between childhood adversities and development outcomes. <i>Developmental Science</i> , 2020, 23, e12934.	1.3	48
2023	Community structure: A comparative evaluation of community detection methods. <i>Network Science</i> , 2020, 8, 1-41.	0.8	36
2024	Hierarchical clustering of bipartite data sets based on the statistical significance of coincidences. <i>Physical Review E</i> , 2020, 102, 042304.	0.8	0
2025	Brain Network Modularity Predicts Improvements in Cognitive and Scholastic Performance in Children Involved in a Physical Activity Intervention. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 346.	1.0	20
2026	Influence Based Community Detection Over Social Media. , 2020, , .		1
2027	Whole transcriptomic network analysis using Co-expression Differential Network Analysis (CoDiNA). <i>PLoS ONE</i> , 2020, 15, e0240523.	1.1	13
2028	The Dynamics of Functional Brain Networks Associated With Depressive Symptoms in a Nonclinical Sample. <i>Frontiers in Neural Circuits</i> , 2020, 14, 570583.	1.4	34
2029	Influential node detection of social networks based on network invulnerability. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126879.	0.9	10
2030	A Semantic Analysis and Community Detection-Based Artificial Intelligence Model for Core Herb Discovery from the Literature: Taking Chronic Glomerulonephritis Treatment as a Case Study. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-23.	0.7	3
2031	Molecular Simulations and Network Modeling Reveal an Allosteric Signaling in the SARS-CoV-2 Spike Proteins. <i>Journal of Proteome Research</i> , 2020, 19, 4587-4608.	1.8	72
2032	Community detection in complex network based on APT method. <i>Pattern Recognition Letters</i> , 2020, 138, 193-200.	2.6	9
2033	Robust Hierarchical Overlapping Community Detection With Personalized PageRank. <i>IEEE Access</i> , 2020, 8, 102867-102882.	2.6	4
2034	Community detectability and structural balance dynamics in signed networks. <i>Physical Review E</i> , 2020, 102, 012304.	0.8	5
2035	Merge-split Markov chain Monte Carlo for community detection. <i>Physical Review E</i> , 2020, 102, 012305.	0.8	23
2036	Testing the static and dynamic performance of statistical methods for the detection of national industrial clusters. <i>Papers in Regional Science</i> , 2020, 99, 1137-1158.	1.0	6

#	ARTICLE	IF	CITATIONS
2037	NEW: A generic learning model for tie strength prediction in networks. <i>Neurocomputing</i> , 2020, 406, 282-292.	3.5	5
2038	Transcriptome analysis of the zebrafish <i>atoh7</i> Mutant, <i>lakritz</i> , highlights <i>Atoh7</i> -dependent genetic networks with potential implications for human eye diseases. <i>FASEB BioAdvances</i> , 2020, 2, 434-448.	1.3	2
2039	Comparing biological and artificial vision systems: Network measures of functional connectivity. <i>Neuroscience Letters</i> , 2020, 739, 135407.	1.0	6
2040	Influence maximization algorithm based on reducing search space in the social networks. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	15
2041	Network-Based Clustering for Varying Coefficient Panel Data Models. <i>Journal of Business and Economic Statistics</i> , 2020, , 1-17.	1.8	0
2042	Identifying influential spreaders in reversible process. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110197.	2.5	10
2043	FLGAI: a unified network embedding framework integrating multi-scale network structures and node attribute information. <i>Applied Intelligence</i> , 2020, 50, 3976-3989.	3.3	5
2044	Link prediction using node information on local paths. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 557, 124980.	1.2	31
2045	Link Prediction Adversarial Attack Via Iterative Gradient Attack. <i>IEEE Transactions on Computational Social Systems</i> , 2020, 7, 1081-1094.	3.2	25
2046	Fuzzy Measures: A solution to deal with community detection problems for networks with additional information. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 6217-6230.	0.8	4
2047	GLLPA: A Graph Layout based Label Propagation Algorithm for community detection. <i>Knowledge-Based Systems</i> , 2020, 206, 106363.	4.0	13
2048	Community detection in node-attributed social networks: A survey. <i>Computer Science Review</i> , 2020, 37, 100286.	10.2	131
2049	Statistical Estimation of Diffusion Network Topologies. , 2020, , .		4
2050	Social network design for inducing effort. <i>Quantitative Marketing and Economics</i> , 2020, 18, 381-417.	0.7	6
2051	LILPA: A label importance based label propagation algorithm for community detection with application to core drug discovery. <i>Neurocomputing</i> , 2020, 413, 107-133.	3.5	18
2052	A Community Detection Method Based on Local Optimization in Social Networks. <i>IEEE Network</i> , 2020, 34, 42-48.	4.9	12
2053	Extracting representative user subset of social networks towards user characteristics and topological features. <i>World Wide Web</i> , 2020, 23, 2903-2931.	2.7	1
2054	QML Based Community Detection in the realm of Social Network Analysis. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
2055	A complex networks based analysis of jump risk in equity returns: An evidence using intraday movements from Pakistan stock market. <i>Journal of Behavioral and Experimental Finance</i> , 2020, 28, 100418.	2.1	1
2056	Bio-priming with a hypovirulent phytopathogenic fungus enhances the connection and strength of microbial interaction network in rapeseed. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 45.	2.9	33
2057	A framework for second-order eigenvector centralities and clustering coefficients. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20190724.	1.0	9
2058	A pyramidal community detection algorithm based on a generalization of the clustering coefficient. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 9111-9125.	3.3	6
2059	Exploring Carbon Mineral Systems: Recent Advances in C Mineral Evolution, Mineral Ecology, and Network Analysis. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	29
2060	Nonnegative Matrix Factorization Algorithm with Two Attribute Matrices for Community Detection. , 2020, , .		1
2061	Correspondence analysis-based network clustering and importance of degenerate solutions unification of spectral clustering and modularity maximization. <i>Social Network Analysis and Mining</i> , 2020, 10, 1.	1.9	1
2062	Efficient influence spread estimation for influence maximization. <i>Social Network Analysis and Mining</i> , 2020, 10, 1.	1.9	18
2063	A Temporal User Attribute-Based Algorithm to Detect Communities in Online Social Networks. <i>IEEE Access</i> , 2020, 8, 154363-154381.	2.6	3
2064	Divisive Algorithm Based on Node Clustering Coefficient for Community Detection. <i>IEEE Access</i> , 2020, 8, 142337-142347.	2.6	8
2065	Detecting Overlapping Communities in Modularity Optimization by Reweighting Vertices. <i>Entropy</i> , 2020, 22, 819.	1.1	4
2066	Enhancing Edge Attack Strategy via an OWA Operator-Based Ensemble Design in Real-World Networks. <i>Entropy</i> , 2020, 22, 830.	1.1	2
2067	A medical network clustering method with weighted graph structure. <i>Measurement and Control</i> , 2020, 53, 1751-1759.	0.9	3
2068	Link prediction based on contribution of neighbors. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050158.	0.8	4
2069	Comparative analysis of sequential community detection algorithms based on internal and external quality measure. <i>Journal of Statistics and Management Systems</i> , 2020, 23, 1129-1146.	0.3	4
2070	Link prediction based on the powerful combination of endpoints and neighbors. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050269.	1.0	2
2071	Network Structure Transmission With Limited Data via Compressed Sensing. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 3200-3211.	4.1	4
2072	Detecting Interactive Gene Groups for Single-Cell RNA-Seq Data Based on Co-Expression Network Analysis and Subgraph Learning. <i>Cells</i> , 2020, 9, 1938.	1.8	11

#	ARTICLE	IF	CITATIONS
2073	Path-based extensions of local link prediction methods for complex networks. Scientific Reports, 2020, 10, 19848.	1.6	20
2074	Cross-Face Centrality: A New Measure for Identifying Key Nodes in Networks Based on Formal Concept Analysis. IEEE Access, 2020, 8, 206901-206913.	2.6	8
2075	Tomato Spotted Wilt Virus Benefits Its Thrips Vector by Modulating Metabolic and Plant Defense Pathways in Tomato. Frontiers in Plant Science, 2020, 11, 575564.	1.7	26
2076	Frustrated random walks: A faster algorithm to evaluate node distances on connected and undirected graphs. Physical Review E, 2020, 102, 052135.	0.8	3
2077	Review on Learning and Extracting Graph Features for Link Prediction. Machine Learning and Knowledge Extraction, 2020, 2, 672-704.	3.2	20
2078	Discovering Correlation Indices for Link Prediction Using Differential Evolution. Mathematics, 2020, 8, 2097.	1.1	5
2079	Identifying Important Nodes in Bio-Molecular Networks. , 2020, , 315-396.		0
2080	Novel Node Centrality-Based Efficient Empirical Robustness Assessment for Directed Network Complexity, 2020, 2020, 1-14.	0.9	1
2081	Mining of gene modules and identification of key genes in head and neck squamous cell carcinoma based on gene co-expression network analysis. Medicine (United States), 2020, 99, e22655.	0.4	5
2082	Detecting Overlapping Communities via Expanding Core Regions. , 2020, , .		0
2083	Community detection based on similarities of communication behavior in IP networks. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 1451-1461.	3.3	6
2084	Lengthening of average path length in social networks due to the effect of community structure. Journal of King Saud University - Computer and Information Sciences, 2020, , .	2.7	0
2085	Introduction and Preliminaries. , 2020, , 1-49.		0
2086	Exploring the step function distribution of the threshold fraction of adopted neighbors versus minimum fraction of nodes as initial adopters to assess the cascade blocking intra-cluster density of complex real-world networks. Applied Network Science, 2020, 5, .	0.8	0
2087	Role of modularity in self-organization dynamics in biological networks. Physical Review E, 2020, 102, 052306.	0.8	16
2088	Interacting Discovery Processes on Complex Networks. Physical Review Letters, 2020, 125, 248301.	2.9	18
2089	Towards quantum computing based community detection. Computer Science Review, 2020, 38, 100313.	10.2	9
2090	A Multi-Objective Evolutionary Algorithm Based on KNN-Graph for Traffic Network Attack. Electronics (Switzerland), 2020, 9, 1589.	1.8	1

#	ARTICLE	IF	CITATIONS
2091	Generalized Markov stability of network communities. <i>Physical Review E</i> , 2020, 101, 052301.	0.8	3
2092	Remit Accretion in IOT Networks Encircling Ingenious Firefly Algorithm Correlating Water Drop Algorithm. <i>Procedia Computer Science</i> , 2020, 167, 551-561.	1.2	6
2093	Identifying Influential Spreaders Based on Adaptive Weighted Link Model. <i>IEEE Access</i> , 2020, 8, 66068-66073.	2.6	11
2094	Link Prediction Model Based on the Topological Feature Learning for Complex Networks. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 10051-10065.	1.7	2
2095	Social network analysis for social neuroscientists. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 883-901.	1.5	28
2096	A novel iterated greedy algorithm for detecting communities in complex network. <i>Social Network Analysis and Mining</i> , 2020, 10, 1.	1.9	6
2097	Exploring and managing the complexity of large infrastructure projects with network theory and model-based systems engineering – The example of radioactive waste disposal. <i>Systems Engineering</i> , 2020, 23, 443-459.	1.6	4
2098	Link prediction model based on geodesic distance measure using various machine learning classification models. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 6663-6675.	0.8	3
2099	Node-community membership diversifies community structures: An overlapping community detection algorithm based on local expansion and boundary re-checking. <i>Knowledge-Based Systems</i> , 2020, 198, 105935.	4.0	17
2100	Community Detection in Social Networks Using Affinity Propagation with Adaptive Similarity Matrix. <i>Big Data</i> , 2020, 8, 189-202.	2.1	19
2101	On Utilizing Communities Detected From Social Networks in Hashtag Recommendation. <i>IEEE Transactions on Computational Social Systems</i> , 2020, 7, 971-982.	3.2	13
2102	gplas: a comprehensive tool for plasmid analysis using short-read graphs. <i>Bioinformatics</i> , 2020, 36, 3874-3876.	1.8	26
2103	A Study of Mental Maps in Immersive Network Visualization. , 2020, , .		15
2104	Precision as a measure of predictability of missing links in real networks. <i>Physical Review E</i> , 2020, 101, 052318.	0.8	16
2105	Finding Cliques in Social Networks: A New Distribution-Free Model. <i>SIAM Journal on Computing</i> , 2020, 49, 448-464.	0.8	13
2106	High throughput sequencing of 18S rRNA and its gene to characterize a <i>Prorocentrum shikokuense</i> (Dinophyceae) bloom. <i>Harmful Algae</i> , 2020, 94, 101809.	2.2	10
2107	Intermediacy of publications. <i>Royal Society Open Science</i> , 2020, 7, 190207.	1.1	9
2108	Quantifying the Effect of Community Structures for Link Prediction by Constructing Null Models. <i>IEEE Access</i> , 2020, 8, 89269-89280.	2.6	2

#	ARTICLE	IF	CITATIONS
2109	Total Variation Based Community Detection Using a Nonlinear Optimization Approach. SIAM Journal on Applied Mathematics, 2020, 80, 1392-1419.	0.8	9
2110	Allosteric Mechanism of the Hsp90 Chaperone Interactions with Cochaperones and Client Proteins by Modulating Communication Spines of Coupled Regulatory Switches: Integrative Atomistic Modeling of Hsp90 Signaling in Dynamic Interaction Networks. Journal of Chemical Information and Modeling, 2020, 60, 3616-3631.	2.5	10
2111	Boundary-connection deletion strategy based method for community detection in complex networks. Applied Intelligence, 2020, 50, 3570-3589.	3.3	4
2112	Brain Network Disruption in Whiplash. American Journal of Neuroradiology, 2020, 41, 994-1000.	1.2	10
2113	Topological analysis of SARS CoV-2 main protease. Chaos, 2020, 30, 061102.	1.0	47
2114	Reconstructing Heterogeneous Networks via Compressive Sensing and Clustering. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, , 1-11.	3.4	7
2115	Identifying vital nodes based on reverse greedy method. Scientific Reports, 2020, 10, 4826.	1.6	5
2116	MOEA-based community detection. , 2020, , 197-232.		0
2117	Spectral analysis for gene communities in cancer cells. Journal of Complex Networks, 2020, 8, .	1.1	1
2118	Systemic Risk and Trading Strategy Based on Correlation-Based Networks in Stock Markets. Fluctuation and Noise Letters, 2020, 19, 2050028.	1.0	1
2119	Rise of the Machines? Examining the Influence of Social Bots on a Political Discussion Network. Social Science Computer Review, 2022, 40, 264-287.	2.6	37
2120	Cortical 3-hinges could serve as hubs in cortico-cortical connective network. Brain Imaging and Behavior, 2020, 14, 2512-2529.	1.1	16
2121	NALPA: A Node Ability Based Label Propagation Algorithm for Community Detection. IEEE Access, 2020, 8, 46642-46664.	2.6	9
2122	Separable neural mechanisms for the pleiotropic association of copy number variants with neuropsychiatric traits. Translational Psychiatry, 2020, 10, 93.	2.4	12
2123	Community Detection in Scientific Co-Authorship Networks using Neo4j. , 2020, , .		6
2124	Link prediction based on hybrid influence of neighbors. International Journal of Modern Physics B, 2020, 34, 2050018.	1.0	5
2125	Null Models for Formal Contexts. Information (Switzerland), 2020, 11, 135.	1.7	2
2126	The Power of Smiling: The Adult Brain Networks Underlying Learned Infant Emotionality. Cerebral Cortex, 2020, 30, 2019-2029.	1.6	31

#	ARTICLE	IF	CITATIONS
2127	Neural network correlates of high-altitude adaptive genetic variants in Tibetans: A pilot, exploratory study. <i>Human Brain Mapping</i> , 2020, 41, 2406-2430.	1.9	9
2128	Functional connections between and within brain subnetworks under resting-state. <i>Scientific Reports</i> , 2020, 10, 3438.	1.6	14
2129	Approximation algorithms for two variants of correlation clustering problem. <i>Journal of Combinatorial Optimization</i> , 2020, , 1.	0.8	0
2130	PGO: Describing Property Graphs in RDF. <i>IEEE Access</i> , 2020, 8, 118355-118369.	2.6	4
2131	Optimization Algorithms for Detection of Social Interactions. <i>Algorithms</i> , 2020, 13, 139.	1.2	7
2132	ProtExA: A tool for post-processing proteomics data providing differential expression metrics, co-expression networks and functional analytics. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1695-1703.	1.9	5
2133	LSMD: A fast and robust local community detection starting from low degree nodes in social networks. <i>Future Generation Computer Systems</i> , 2020, 113, 41-57.	4.9	31
2134	Community detection and social network analysis based on the Italian wars of the 15th century. <i>Future Generation Computer Systems</i> , 2020, 113, 25-40.	4.9	12
2135	Resting state functional connectivity of the pain matrix and default mode network in irritable bowel syndrome: a graph theoretical analysis. <i>Scientific Reports</i> , 2020, 10, 11015.	1.6	17
2136	Community detection via a triangle and edge combination conductance partitioning. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 073405.	0.9	1
2137	Link prediction techniques, applications, and performance: A survey. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 553, 124289.	1.2	226
2138	Does phenology explain plant-pollinator interactions at different latitudes? An assessment of its explanatory power in plant hoverfly networks in French calcareous grasslands. <i>Oikos</i> , 2020, 129, 753-765.	1.2	16
2139	Feature Selection and Combination of Information in the Functional Brain Connectome for Discrimination of Mild Cognitive Impairment and Analyses of Altered Brain Patterns. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 28.	1.7	39
2140	Adaptive Graph Convolution Using Heat Kernel for Attributed Graph Clustering. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1473.	1.3	2
2141	A vertex-similarity clustering algorithm for community detection. <i>Journal of Information and Telecommunication</i> , 2020, 4, 36-50.	2.2	2
2142	Community Detection Based on a Preferential Decision Model. <i>Information (Switzerland)</i> , 2020, 11, 53.	1.7	0
2143	Single-Cell Clustering Based on Shared Nearest Neighbor and Graph Partitioning. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2020, 12, 117-130.	2.2	21
2144	functionInk: An efficient method to detect functional groups in multidimensional networks reveals the hidden structure of ecological communities. <i>Methods in Ecology and Evolution</i> , 2020, 11, 804-817.	2.2	7

#	ARTICLE	IF	CITATIONS
2145	Missing Link Prediction using Common Neighbor and Centrality based Parameterized Algorithm. Scientific Reports, 2020, 10, 364.	1.6	52
2146	Echo chambers and social mediators in public advocacy issue networks. Public Relations Review, 2020, 46, 101882.	1.9	15
2147	An iterated local search algorithm for community detection in complex networks. International Journal of Modern Physics B, 2020, 34, 2050013.	1.0	3
2148	OrthoNet: Multilayer Network Data Clustering. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 152-162.	1.6	10
2149	Community-aware dynamic network embedding by using deep autoencoder. Information Sciences, 2020, 519, 22-42.	4.0	11
2150	The Musical Structure of Time in the Brain: Repetition, Rhythm, and Harmony in fMRI During Rest and Passive Movie Viewing. Frontiers in Computational Neuroscience, 2019, 13, 98.	1.2	3
2151	Towards effective discovery of natural communities in complex networks and implications in e-commerce. Electronic Commerce Research, 2020, , 1.	3.0	15
2152	GMM: A generalized mechanics model for identifying the importance of nodes in complex networks. Knowledge-Based Systems, 2020, 193, 105464.	4.0	71
2153	Detecting community structure in complex networks using genetic algorithm based on object migrating automata. Computational Intelligence, 2020, 36, 824-860.	2.1	12
2154	Quantum Optimization and Quantum Learning: A Survey. IEEE Access, 2020, 8, 23568-23593.	2.6	56
2155	Shifts in microbial communities and networks are correlated with the soil ionome in a kiwifruit orchard under different fertilization regimes. Applied Soil Ecology, 2020, 149, 103517.	2.1	24
2156	On the superiority of modularity-based clustering for determining placement-relevant clusters. The Integration VLSI Journal, 2020, 74, 32-44.	1.3	7
2157	Constructing Real-Life Benchmarks for Community Detection by Rewiring Edges. Complexity, 2020, 2020, 1-16.	0.9	3
2158	Metric Representations of Networks: A Uniqueness Result. , 2020, , .		0
2159	Demarcating geographic regions using community detection in commuting networks with significant self-loops. PLoS ONE, 2020, 15, e0230941.	1.1	14
2160	Semi-supervised stochastic blockmodel for structure analysis of signed networks. Knowledge-Based Systems, 2020, 195, 105714.	4.0	9
2161	SAT-based models for overlapping community detection in networks. Computing (Vienna/New York), 2020, 102, 1275-1299.	3.2	12
2162	Microbial Community Response to a Passive Salt Marsh Restoration. Estuaries and Coasts, 2020, 43, 1439-1455.	1.0	22

#	ARTICLE	IF	CITATIONS
2163	Online reactions to the 2017 "Unite the right"™ rally in Charlottesville: measuring polarization in Twitter networks using media followership. <i>Applied Network Science</i> , 2020, 5, .	0.8	14
2164	Framework based on communicability to measure the similarity of nodes in complex networks. <i>Information Sciences</i> , 2020, 524, 241-253.	4.0	10
2165	Analysis of the susceptible-infected-susceptible epidemic dynamics in networks via the non-backtracking matrix. <i>IMA Journal of Applied Mathematics</i> , 2020, 85, 214-230.	0.8	3
2166	A Compression-Based Multi-Objective Evolutionary Algorithm for Community Detection in Social Networks. <i>IEEE Access</i> , 2020, 8, 62137-62150.	2.6	6
2167	A multilevel analytical framework for studying cultural evolution in prehistoric hunter-gatherer societies. <i>Biological Reviews</i> , 2020, 95, 1020-1035.	4.7	14
2168	Unraveling Heterogeneity of Coral Microbiome Assemblages in Tropical and Subtropical Corals in the South China Sea. <i>Microorganisms</i> , 2020, 8, 604.	1.6	12
2169	Hierarchical clustering supported by reciprocal nearest neighbors. <i>Information Sciences</i> , 2020, 527, 279-292.	4.0	44
2170	To design or to integrate? Instructional design versus technology integration in developing learning interventions. <i>Educational Technology Research and Development</i> , 2020, 68, 2473-2504.	2.0	11
2171	Identification of the effects of the existing network properties on the performance of current community detection methods. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2020, , .	2.7	5
2172	Identifying critical nodes in complex networks via graph convolutional networks. <i>Knowledge-Based Systems</i> , 2020, 198, 105893.	4.0	74
2173	Complex systems: Features, similarity and connectivity. <i>Physics Reports</i> , 2020, 861, 1-41.	10.3	35
2174	Reduced Modulation of Task-Related Connectivity Mediates Age-Related Declines in Bimanual Performance. <i>Cerebral Cortex</i> , 2020, 30, 4346-4360.	1.6	8
2175	A novel metric for community detection. <i>Europhysics Letters</i> , 2020, 129, 68002.	0.7	10
2176	A Seed-Expanding Method Based on TOPSIS for Community Detection in Complex Networks. <i>Complexity</i> , 2020, 2020, 1-14.	0.9	5
2177	Leaders among the leaders in Economics: a network analysis of the Nobel Prize laureates. <i>Applied Economics Letters</i> , 2021, 28, 584-589.	1.0	5
2178	Forecasting Flight Delays Using Clustered Models Based on Airport Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 3179-3189.	4.7	12
2179	Clustering Through Probability Distribution Analysis Along Eigenpaths. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 875-884.	5.9	2
2180	Community detection in complex networks using network embedding and gravitational search algorithm. <i>Journal of Intelligent Information Systems</i> , 2021, 57, 51-72.	2.8	32

#	ARTICLE	IF	CITATIONS
2181	Signature of consciousness in brain-wide synchronization patterns of monkey and human fMRI signals. <i>NeuroImage</i> , 2021, 226, 117470.	2.1	33
2182	Co-design of a stakeholders' ecosystem: an assessment methodology by linking social network analysis, stakeholder theory and participatory mapping. <i>Kybernetes</i> , 2021, 50, 836-858.	1.2	9
2183	Formalising and Detecting Community Structures in Real World Complex Networks. <i>Journal of Systems Science and Complexity</i> , 2021, 34, 180-205.	1.6	4
2184	The asymptotic distribution of modularity in weighted signed networks. <i>Biometrika</i> , 2021, 108, 1-16.	1.3	2
2185	A methodological framework to analyse determinants of host-microbiota networks, with an application to the relationships between <i>Daphnia magna</i> 's gut microbiota and bacterioplankton. <i>Journal of Animal Ecology</i> , 2021, 90, 102-119.	1.3	8
2186	Comparing Graph Clusterings: Set Partition Measures vs. Graph-Aware Measures. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 2127-2132.	9.7	1
2187	Exploiting homophily to characterize communities in online social networks. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e5929.	1.4	1
2188	Relationship Between Community Structure and Clustering Coefficient. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 203-220.	0.5	0
2189	Prediction of trust propensity from intrinsic brain morphology and functional connectome. <i>Human Brain Mapping</i> , 2021, 42, 175-191.	1.9	31
2190	Community Detection Based on Modularized Deep Nonnegative Matrix Factorization. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2021, 35, 2159006.	0.7	10
2191	Measuring institutional thickness in tourism: An empirical application based on social network analysis. <i>Tourism Management Perspectives</i> , 2021, 37, 100770.	3.2	12
2192	Stream gauge network grouping analysis using community detection. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 781-795.	1.9	11
2193	Analysis and vulnerability of the international wheat trade network. <i>Food Security</i> , 2021, 13, 113-128.	2.4	38
2194	Identification of multi-layer networks community by fusing nonnegative matrix factorization and topological structural information. <i>Knowledge-Based Systems</i> , 2021, 213, 106666.	4.0	6
2195	Mixed-case community detection problem in social networks: Algorithms and analysis. <i>Theoretical Computer Science</i> , 2021, 854, 94-104.	0.5	2
2196	Soil bacterial and eukaryotic occurrence networks across a desert climate gradient in northern China. <i>Land Degradation and Development</i> , 2021, 32, 1938-1950.	1.8	17
2197	Generating large scale-free networks with the Chung-Lu random graph model. <i>Networks</i> , 2021, 78, 174-187.	1.6	10
2198	Control of Southern Root-knot Nematodes on Tomato and Regulation of Soil Bacterial Community by Biofumigation with <i>Zanthoxylum bungeanum</i> Seed. <i>Horticultural Plant Journal</i> , 2021, 7, 49-58.	2.3	4

#	ARTICLE	IF	CITATIONS
2199	Effects of initial temperature on microbial community succession rate and volatile flavors during Baijiu fermentation process. <i>Food Research International</i> , 2021, 141, 109887.	2.9	58
2200	Molecular aggregation in liquid water: Laplace spectra and spectral clustering of H-bonded network. <i>Journal of Molecular Liquids</i> , 2021, 327, 114802.	2.3	6
2201	A label propagation algorithm for community detection on high-degree mixed networks. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e6141.	1.4	0
2202	Community Detection in Complex Networks Using Link Strength-Based Hybrid Genetic Algorithm. <i>SN Computer Science</i> , 2021, 2, 1.	2.3	8
2203	Visualizing complex networks by leveraging community structures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 565, 125506.	1.2	5
2204	The impact of common neighbor algorithm on individual friend choices and online social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 566, 125670.	1.2	5
2205	Analysis of the evolution and collaboration networks of citizen science scientific publications. <i>Scientometrics</i> , 2021, 126, 225-257.	1.6	18
2206	An Evolutionary Multiobjective Framework for Complex Network Reconstruction Using Community Structure. <i>IEEE Transactions on Evolutionary Computation</i> , 2021, 25, 247-261.	7.5	11
2207	Recurrence quantification analysis of dynamic brain networks. <i>European Journal of Neuroscience</i> , 2021, 53, 1040-1059.	1.2	22
2208	Existence identifications of unobserved paths in graph-based social networks. <i>World Wide Web</i> , 2021, 24, 157-173.	2.7	2
2209	VGHC: a variable granularity hierarchical clustering for community detection. <i>Granular Computing</i> , 2021, 6, 37-46.	4.4	6
2210	The interconnectedness of the economic content in the speeches of the US Presidents. <i>Annals of Operations Research</i> , 2021, 299, 593-615.	2.6	2
2211	Further Towards Unambiguous Edge Bundling: Investigating Power-Confluent Drawings for Network Visualization. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2021, 27, 2244-2249.	2.9	2
2212	Deterministic blockmodelling of signed and two-mode networks: A tutorial with software and psychological examples. <i>British Journal of Mathematical and Statistical Psychology</i> , 2021, 74, 34-63.	1.0	5
2213	A Hyperbolic Embedding Method for Weighted Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 599-612.	4.1	7
2214	A classification of community detection methods in social networks: a survey. <i>International Journal of General Systems</i> , 2021, 50, 63-91.	1.2	33
2215	LFIC: Identifying Influential Nodes in Complex Networks by Local Fuzzy Information Centrality. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 3284-3296.	6.5	24
2216	Research of Motif-Based Similarity for Link Prediction Problem. <i>IEEE Access</i> , 2021, 9, 66636-66645.	2.6	3

#	ARTICLE	IF	CITATIONS
2217	Parallel label propagation algorithm based on weight and random walk. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 1609-1628.	1.0	0
2218	Using molecular transmission networks to understand the epidemic characteristics of HIV-1 CRF08_BC across China. <i>Emerging Microbes and Infections</i> , 2021, 10, 497-506.	3.0	10
2219	Smoothness Sensor: Adaptive Smoothness-Transition Graph Convolutions for Attributed Graph Clustering. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 12771-12784.	6.2	5
2220	Nonlocal pagerank. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2021, 55, 77-97.	0.8	9
2221	The distance backbone of complex networks. <i>Journal of Complex Networks</i> , 2021, 9, .	1.1	16
2222	Dynamic Topic Modeling Using Social Network Analytics. <i>Lecture Notes in Computer Science</i> , 2021, , 498-509.	1.0	2
2224	Network bipartitioning in the anti-communicability Euclidean space. <i>AIMS Mathematics</i> , 2021, 6, 1153-1174.	0.7	2
2225	Effects of seeds on cooperate epidemic spreading on complex networks. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150039.	1.0	1
2226	Multi-Function Radar Signal Sorting Based on Complex Network. <i>IEEE Signal Processing Letters</i> , 2021, 28, 91-95.	2.1	15
2227	Cost-Aware Deployment of Check-In Nodes in Complex Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 3378-3390.	5.9	9
2228	The Robustness of Graph k -Shell Structure Under Adversarial Attacks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 1797-1801.	2.2	1
2229	Identifying Top-k Influential Nodes Based on Discrete Particle Swarm Optimization With Local Neighborhood Degree Centrality. <i>IEEE Access</i> , 2021, 9, 21345-21356.	2.6	12
2230	A Review on Community Detection in Large Complex Networks from Conventional to Deep Learning Methods: A Call for the Use of Parallel Meta-Heuristic Algorithms. <i>IEEE Access</i> , 2021, 9, 96501-96527.	2.6	16
2231	Link Prediction Based on Hyper-Substructure Network. <i>Big Data Management</i> , 2021, , 29-48.	0.9	1
2232	Measuring Node Contribution to Community Structure With Modularity Vitality. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 707-723.	4.1	37
2233	Community Detection by a Riemannian Projected Proximal Gradient Method. <i>IFAC-PapersOnLine</i> , 2021, 54, 544-551.	0.5	0
2234	A morphospace of functional configuration to assess configurational breadth based on brain functional networks. <i>Network Neuroscience</i> , 2021, 5, 666-688.	1.4	5
2235	Criminal Network Community Detection in Social Media Forensics. <i>Communications in Computer and Information Science</i> , 2021, , 371-383.	0.4	4

#	ARTICLE	IF	CITATIONS
2236	Estimating the Manifold Dimension of a Complex Network Using Weyl's Law. Lecture Notes in Computer Science, 2021, , 164-173.	1.0	0
2237	RobustECD: Enhancement of Network Structure for Robust Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	2
2238	A Novel Approach of Community Detection Using Association Rules Learning: Application to Users' Friendships of Online Social Networks. Lecture Notes in Networks and Systems, 2021, , 29-43.	0.5	3
2239	Edge Based Stochastic Block Model Statistical Inference. Studies in Computational Intelligence, 2021, , 462-473.	0.7	2
2240	A novel meta-heuristic approach for influence maximization in social networks. Expert Systems, 2023, 40, e12676.	2.9	5
2241	A generalized gravity model for influential spreaders identification in complex networks. Chaos, Solitons and Fractals, 2021, 143, 110456.	2.5	41
2242	Multiscale Evolutionary Perturbation Attack on Community Detection. IEEE Transactions on Computational Social Systems, 2021, 8, 62-75.	3.2	16
2243	Evaluating the Effectiveness of Community Detection Algorithms for Influence Maximization in Social Networks. , 2021, , .		1
2244	Kinship does not predict the structure of a shark social network. Behavioral Ecology, 2021, 32, 211-222.	1.0	10
2245	Local volume dimension: A novel approach for important nodes identification in complex networks. International Journal of Modern Physics B, 2021, 35, 2150069.	1.0	4
2246	Effects of link perturbation on network modularity for community detections in complex network systems. Modern Physics Letters B, 2021, 35, 2150214.	1.0	0
2247	Community detection based on first passage probabilities. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 390, 127099.	0.9	6
2249	Adaptive Reconfiguration of Intrinsic Community Structure in Children with 5-Year Abacus Training. Cerebral Cortex, 2021, 31, 3122-3135.	1.6	8
2250	One-Step Memory Random Walk on Complex Networks: An Efficient Local Navigation Strategy. Fluctuation and Noise Letters, 2021, 20, 2150040.	1.0	1
2251	An integer program and new lower bounds for computing the strong rainbow connection numbers of graphs. Networks, 0, , .	1.6	0
2252	A Jungle Community Detection Algorithm Based on New Weighted Similarity. Arabian Journal for Science and Engineering, 2021, 46, 8493-8507.	1.7	3
2253	Overlapping community detection using core label propagation algorithm and belonging functions. Applied Intelligence, 2021, 51, 8067-8087.	3.3	8
2255	Identifying and Ranking Influential Nodes in Complex Networks Based on Dynamic Node Strength. Algorithms, 2021, 14, 82.	1.2	8

#	ARTICLE	IF	CITATIONS
2256	A benefit function for community detection based on edge and path of length two. <i>International Journal of Modern Physics C</i> , 2021, 32, 2150082.	0.8	1
2257	THE POWER FUNCTION HIDDEN IN THE VULNERABILITY OF FRACTAL COMPLEX NETWORKS. <i>Fractals</i> , 2021, 29, 2150070.	1.8	6
2258	Towards effective link prediction: A hybrid similarity model. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 4013-4026.	0.8	4
2259	Sub-graph degree-based bridge centrality algorithm. <i>International Journal of Modern Physics C</i> , 0, , 2150090.	0.8	0
2261	A Node Similarity and Community Link Strength-Based Community Discovery Algorithm. <i>Complexity</i> , 2021, 2021, 1-17.	0.9	4
2262	Temporal high-order proximity aware behavior analysis on Ethereum. <i>World Wide Web</i> , 2021, 24, 1565-1585.	2.7	9
2263	Visibility graph based temporal community detection with applications in biological time series. <i>Scientific Reports</i> , 2021, 11, 5623.	1.6	14
2264	Link Prediction and Node Classification Based on Multitask Graph Autoencoder. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-13.	0.8	1
2265	Identification of the Key Regulators of Spina Bifida Through Graph-Theoretical Approach. <i>Frontiers in Genetics</i> , 2021, 12, 597983.	1.1	3
2266	The friendship paradox in real and model networks. <i>Journal of Complex Networks</i> , 2021, 9, .	1.1	6
2267	Comparison of Deep-Sea Picoeukaryotic Composition Estimated from the V4 and V9 Regions of 18S rRNA Gene with a Focus on the Hadal Zone of the Mariana Trench. <i>Microbial Ecology</i> , 2022, 83, 34-47.	1.4	5
2268	Dependencies-based microservices decomposition method. <i>International Journal of Computers and Applications</i> , 2022, 44, 814-821.	0.8	4
2269	Directional Laplacian Centrality for Cyber Situational Awareness. <i>Digital Threats Research and Practice</i> , 2021, 2, 1-28.	1.7	2
2270	Integrated Biophysical Modeling of the SARS-CoV-2 Spike Protein Binding and Allosteric Interactions with Antibodies. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4596-4619.	1.2	60
2271	Constraints and variation in food web link-species space. <i>Biology Letters</i> , 2021, 17, 20210109.	1.0	3
2273	Revealing Consensus and Dissensus between Network Partitions. <i>Physical Review X</i> , 2021, 11, .	2.8	19
2274	A clique-based discrete bat algorithm for influence maximization in identifying top-k influential nodes of social networks. <i>Soft Computing</i> , 2021, 25, 8223-8240.	2.1	7
2275	A Scalable Redefined Stochastic Blockmodel. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021, 15, 1-28.	2.5	4

#	ARTICLE	IF	CITATIONS
2276	CoCoNet: an efficient deep learning tool for viral metagenome binning. <i>Bioinformatics</i> , 2021, 37, 2803-2810.	1.8	11
2277	LPA-MNI: An Improved Label Propagation Algorithm Based on Modularity and Node Importance for Community Detection. <i>Entropy</i> , 2021, 23, 497.	1.1	23
2278	Statistical mechanics meets single-cell biology. <i>Nature Reviews Genetics</i> , 2021, 22, 459-476.	7.7	65
2280	Reconstruction of ER Network from Specific Academic Texts for the Governance of MSW-NIMBY Crisis in China. <i>Complexity</i> , 2021, 2021, 1-19.	0.9	0
2281	Luminal A Breast Cancer Co-expression Network: Structural and Functional Alterations. <i>Frontiers in Genetics</i> , 2021, 12, 629475.	1.1	14
2282	Missing link prediction and spurious link detection based on attractive force and community. <i>Science Progress</i> , 2021, 104, 003685042110185.	1.0	1
2283	A preference random walk algorithm for link prediction through mutual influence nodes in complex networks. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2022, 34, 5375-5387.	2.7	33
2284	ProHiCo: A Probabilistic Framework to Hide Communities in Large Networks. , 2021, , .		2
2285	Finding the resistance distance and eigenvector centrality from the network's eigenvalues. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 569, 125751.	1.2	5
2286	Nonpreferential Attachment Leads to Scale-Free or Not. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-9.	0.6	1
2287	Sex Differences in the Physiological Network of Healthy Young Subjects. <i>Frontiers in Physiology</i> , 2021, 12, 678507.	1.3	9
2288	Effects of visual attention modulation on dynamic functional connectivity during own-face viewing in body dysmorphic disorder. <i>Neuropsychopharmacology</i> , 2021, 46, 2030-2038.	2.8	10
2289	Network Analysis of Herbs Recommended for the Treatment of COVID-19. <i>Infection and Drug Resistance</i> , 2021, Volume 14, 1833-1844.	1.1	5
2290	Phase fMRI defines brain resting-state functional hubs within central and posterior regions. <i>Brain Structure and Function</i> , 2021, 226, 1925-1941.	1.2	5
2291	Network-based analysis of key regulatory genes implicated in Type 2 Diabetes Mellitus and Recurrent Miscarriages in Turner Syndrome. <i>Scientific Reports</i> , 2021, 11, 10662.	1.6	4
2292	Dopamine Transporter Is a Master Regulator of Dopaminergic Neural Network Connectivity. <i>Journal of Neuroscience</i> , 2021, 41, 5453-5470.	1.7	12
2293	A Set-Theoretic Approach to Modeling Network Structure. <i>Algorithms</i> , 2021, 14, 153.	1.2	1
2295	Community detection via an efficient nonconvex optimization approach based on modularity. <i>Computational Statistics and Data Analysis</i> , 2021, 157, 107163.	0.7	11

#	ARTICLE	IF	CITATIONS
2296	Key node and network performance analysis of 5G smart power plant based on complex network. , 2021, , .		0
2297	Spatiotemporal evolution and driving factors of global production networks: An analysis based on the input-output technique. Journal of Chinese Geography, 2021, 31, 641-663.	1.5	6
2298	Critical nodes identification based on comprehensive topological importance in complex networks. , 2021, , .		0
2299	Pitman-Yor Process Mixture Model for Community Structure Exploration Considering Latent Interaction Patterns. Chinese Physics B, 0, , .	0.7	0
2301	Towards Inferring Influential Facebook Users. Computers, 2021, 10, 62.	2.1	4
2302	Making sense of tweets using sentiment analysis on closely related topics. Social Network Analysis and Mining, 2021, 11, 44.	1.9	9
2303	Overlapping Community Detection in Networks via Sparse Spectral Decomposition. Sankhya A, 0, , 1.	0.4	1
2304	A Method for Improving the Accuracy of Link Prediction Algorithms. Complexity, 2021, 2021, 1-5.	0.9	2
2305	Comprehensive influence of topological location and neighbor information on identifying influential nodes in complex networks. PLoS ONE, 2021, 16, e0251208.	1.1	6
2306	Simplicial SIRS epidemic models with nonlinear incidence rates. Chaos, 2021, 31, 053112.	1.0	31
2307	Network Analyzing by the Aid of Orbit Polynomial. Symmetry, 2021, 13, 801.	1.1	3
2308	A convex principle of search time for a multi-biased random walk on complex networks. Chaos, Solitons and Fractals, 2021, 147, 110990.	2.5	3
2309	Community Detection in Social Networks using Local Topology and Information Exchange. , 2021, , .		2
2311	Clustering assessment in weighted networks. PeerJ Computer Science, 2021, 7, e600.	2.7	3
2312	What is binge drinking? Insights from a network perspective. Addictive Behaviors, 2021, 117, 106848.	1.7	13
2313	Network Embedding on Hierarchical Community Structure Network. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-23.	2.5	2
2314	Neighborhood-based bridge node centrality tuple for complex network analysis. Applied Network Science, 2021, 6, .	0.8	15
2315	An efficient algorithm for link prediction based on local information: Considering the effect of node degree. Concurrency Computation Practice and Experience, 2022, 34, e6289.	1.4	8

#	ARTICLE	IF	CITATIONS
2316	The community structure of word co-occurrence networks: Experiments with languages from the Americas. <i>Europhysics Letters</i> , 2021, 134, 58002.	0.7	1
2317	The Complex Community Structure of the Bitcoin Address Correspondence Network. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	2
2318	Optimizing modularity with nonnegative matrix factorization. <i>International Journal of Modern Physics C</i> , 2021, 32, .	0.8	1
2319	An Extended Correlation Dimension of Complex Networks. <i>Entropy</i> , 2021, 23, 710.	1.1	2
2320	Continuous Encoding for Community Detection in Attribute Networks with Preserving Node Information. , 2021, , .		0
2321	Community Hiding by Link Perturbation in Social Networks. <i>IEEE Transactions on Computational Social Systems</i> , 2021, 8, 704-715.	3.2	18
2322	Identifying Influential Spreaders in Complex Networks by Considering the Impact of the Number of Shortest Paths. <i>Journal of Systems Science and Complexity</i> , 2021, 34, 2168-2181.	1.6	9
2323	Inference of large modified Poisson-type graphical models: Application to RNA-seq data in childhood atopic asthma studies. <i>Annals of Applied Statistics</i> , 2021, 15, .	0.5	1
2324	Attributed Network Embedding with Micro-Meso Structure. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021, 15, 1-26.	2.5	11
2326	Clustering of Unhealthy Behaviors: Protocol for a Multiple Behavior Analysis of Data From the Canadian Longitudinal Study on Aging. <i>JMIR Research Protocols</i> , 2021, 10, e24887.	0.5	2
2327	Gravitational community detection by predicting diameter. <i>Discrete Mathematics, Algorithms and Applications</i> , 2022, 14, .	0.4	1
2328	A review of heuristics and metaheuristics for community detection in complex networks: Current usage, emerging development and future directions. <i>Swarm and Evolutionary Computation</i> , 2021, 63, 100885.	4.5	28
2329	GPN: A novel gravity model based on position and neighborhood to identify influential nodes in complex networks. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150183.	1.0	6
2330	Safeness-Based Community Penetration. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 2690-2694.	2.2	3
2331	NI-Louvain: A novel algorithm to detect overlapping communities with influence analysis. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2022, 34, 7765-7774.	2.7	5
2332	Brain network modularity predicts changes in cortical thickness in children involved in a physical activity intervention. <i>Psychophysiology</i> , 2021, 58, e13890.	1.2	9
2333	Quantum inspired community detection for analysis of biodiversity change driven by land-use conversion and climate change. <i>Scientific Reports</i> , 2021, 11, 14332.	1.6	2
2334	Identifying influential spreaders in complex networks based on network embedding and node local centrality. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 573, 125971.	1.2	30

#	ARTICLE	IF	CITATIONS
2335	COVID-19 Community Temporal Visualizer: a new methodology for the network-based analysis and visualization of COVID-19 data. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2021, 10, 46.	1.2	8
2336	Common brain networks underlying human social interactions: Evidence from large-scale neuroimaging meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 126, 289-303.	2.9	37
2337	Simulating Subject Communities in Case Law Citation Networks. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	1
2338	Multiple Support Recovery Using Very Few Measurements Per Sample. , 2021, , .		2
2339	Representing complex networks without connectivity via spectrum series. <i>Information Sciences</i> , 2021, 563, 16-22.	4.0	3
2340	Spectral estimation for detecting low-dimensional structure in networks using arbitrary null models. <i>PLoS ONE</i> , 2021, 16, e0254057.	1.1	2
2341	A systematic comparison of community detection algorithms for measuring selective exposure in co-exposure networks. <i>Scientific Reports</i> , 2021, 11, 15218.	1.6	5
2342	HomDroid: detecting Android covert malware by social-network homophily analysis. , 2021, , .		10
2343	Inferring Functional Epigenetic Modules by Integrative Analysis of Multiple Heterogeneous Networks. <i>Frontiers in Genetics</i> , 2021, 12, 706952.	1.1	0
2344	Identifying Influential Nodes in Complex Networks Based on Node Itself and Neighbor Layer Information. <i>Symmetry</i> , 2021, 13, 1570.	1.1	14
2345	The relative importance of structure and dynamics on node influence in reversible spreading processes. <i>Frontiers of Physics</i> , 2021, 16, 1.	2.4	6
2346	Community detection with dependent connectivity. <i>Annals of Statistics</i> , 2021, 49, .	1.4	9
2347	Hide and Seek: Outwitting Community Detection Algorithms. <i>IEEE Transactions on Computational Social Systems</i> , 2021, 8, 799-808.	3.2	20
2348	Fake News Propagation and Mitigation Techniques: A Survey. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 355-386.	0.5	5
2349	Extracting complements and substitutes from sales data: a network perspective. <i>EPJ Data Science</i> , 2021, 10, .	1.5	4
2350	Prognostic targets recognition of rectal adenocarcinoma based on transcriptomics. <i>Medicine (United Tj ETQq1 1 0,784314 rgBT /Over</i>	0,4	2
2351	Community Detection in Social Networks. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 91-107.	0.5	3
2352	A Transcriptome Community-and-Module Approach of the Human Mesoconnectome. <i>Entropy</i> , 2021, 23, 1031.	1.1	5

#	ARTICLE	IF	CITATIONS
2353	Evolving climate network perspectives on global surface air temperature effects of ENSO and strong volcanic eruptions. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3075-3100.	1.2	6
2354	A propagation-based seed-centric local community detection for multilayer environment: The case study of colon adenocarcinoma. <i>PLoS ONE</i> , 2021, 16, e0255718.	1.1	1
2355	On using the modularity of recurrence network communities to detect change-point behaviour. <i>Expert Systems With Applications</i> , 2021, 176, 114837.	4.4	11
2356	Application of graph theory in the library domain—Building a faceted framework based on a literature review. <i>Journal of Librarianship and Information Science</i> , 2022, 54, 558-577.	1.6	2
2357	Overlapping community detection in networks based on link partitioning and partitioning around medoids. <i>PLoS ONE</i> , 2021, 16, e0255717.	1.1	6
2358	Layer reconstruction and missing link prediction of a multilayer network with maximum $\langle \mathbf{a} \rangle_{\text{posterior}}$ estimation. <i>Physical Review E</i> , 2021, 104, 024301.	0.8	10
2359	The functional brain favours segregated modular connectivity at old age unless affected by neurodegeneration. <i>Communications Biology</i> , 2021, 4, 973.	2.0	8
2360	Power grid partition with improved biogeography-based optimization algorithm. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101267.	1.7	6
2362	Lexical diachronic semantic maps. <i>Journal of Historical Linguistics</i> , 2021, 11, 367-420.	0.1	16
2363	Catch the tweet to fight the flu: Using Twitter to promote flu shots on a college campus. <i>Journal of American College Health</i> , 2023, 71, 2470-2484.	0.8	6
2364	Combating emerging financial risks in the big data era: A perspective review. <i>Fundamental Research</i> , 2021, 1, 595-606.	1.6	31
2365	A Network Analysis of Drug Combinations Associated with Acute Generalized Exanthematous Pustulosis (AGEP). <i>Journal of Clinical Medicine</i> , 2021, 10, 4486.	1.0	8
2366	Enriching networks with edge insertion to improve community detection. <i>Social Network Analysis and Mining</i> , 2021, 11, 1.	1.9	3
2367	A sorting method of node based on Eigenvector and Closeness centrality. <i>Journal of Physics: Conference Series</i> , 2021, 2031, 012043.	0.3	0
2368	Phase-wise migration of multiple legacy applications—A graph-theoretic approach. <i>Information and Software Technology</i> , 2021, 137, 106606.	3.0	0
2370	An analysis model of diagnosis and treatment for COVID-19 pandemic based on medical information fusion. <i>Information Fusion</i> , 2021, 73, 11-21.	11.7	16
2371	Non-random Co-occurrence of Juvenile White Sharks (<i>Carcharodon carcharias</i>) at Seasonal Aggregation Sites in Southern California. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	12
2372	Modularity in Biological Networks. <i>Frontiers in Genetics</i> , 2021, 12, 701331.	1.1	26

#	ARTICLE	IF	CITATIONS
2373	A novel centrality measure for identifying influential nodes based on minimum weighted degree decomposition. <i>International Journal of Modern Physics B</i> , 2021, 35, .	1.0	2
2374	Label entropy-based cooperative particle swarm optimization algorithm for dynamic overlapping community detection in complex networks. <i>International Journal of Intelligent Systems</i> , 2022, 37, 1371-1407.	3.3	8
2375	Detecting community structures using Modified Fast Louvain Method in complex networks. <i>International Journal of Information Technology (Singapore)</i> , 2021, 13, 1711.	1.8	1
2376	EC-BED-NETS: A Novel Deep Learning Framework for Recognizing Dominant Nodes in Multifaceted and Social Networks. <i>Big Data</i> , 2021, , .	2.1	0
2377	Universal and macro-areal patterns in the lexicon. <i>Linguistic Typology</i> , 2022, 26, 439-487.	0.5	10
2378	Allosteric Control of Structural Mimicry and Mutational Escape in the SARS-CoV-2 Spike Protein Complexes with the ACE2 Decoys and Miniprotein Inhibitors: A Network-Based Approach for Mutational Profiling of Binding and Signaling. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 5172-5191.	2.5	26
2379	Estimating the drivers of urban economic complexity and their connection to economic performance. <i>Royal Society Open Science</i> , 2021, 8, 210670.	1.1	5
2380	Habituation effect in social networks as a potential factor silently crushing influence maximisation efforts. <i>Scientific Reports</i> , 2021, 11, 19055.	1.6	3
2381	Does the Belt and Road Initiative Promote Value Chain Connection Between China and the Silk Road Countries?. <i>Chinese Geographical Science</i> , 2021, 31, 979-995.	1.2	7
2382	Joint nonnegative matrix factorization and network embedding for graph co-clustering. <i>Neurocomputing</i> , 2021, 462, 453-465.	3.5	7
2383	Node2vec with weak supervision on community structures. <i>Pattern Recognition Letters</i> , 2021, 150, 147-154.	2.6	1
2384	Sparsity of weighted networks: Measures and applications. <i>Information Sciences</i> , 2021, 577, 557-578.	4.0	4
2385	Small variation in dynamic functional connectivity in cerebellar networks. <i>Neurocomputing</i> , 2021, 461, 751-761.	3.5	9
2386	Functional networks in non-human primate spinal cord and the effects of injury. <i>NeuroImage</i> , 2021, 240, 118391.	2.1	8
2387	Community structure exploration considering latent link patterns in complex networks. <i>Neurocomputing</i> , 2021, 459, 10-22.	3.5	3
2388	Sparsity-aware robust community detection (SPARCODE). <i>Signal Processing</i> , 2021, 187, 108147.	2.1	4
2389	A network embedding-enhanced Bayesian model for generalized community detection in complex networks. <i>Information Sciences</i> , 2021, 575, 306-322.	4.0	9
2390	Detecting groups in large vector autoregressions. <i>Journal of Econometrics</i> , 2021, 225, 2-26.	3.5	4

#	ARTICLE	IF	CITATIONS
2391	Identifying influential nodes in social networks: A voting approach. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111309.	2.5	30
2392	A fast variable neighborhood search approach for multi-objective community detection. <i>Applied Soft Computing Journal</i> , 2021, 112, 107838.	4.1	11
2393	Microbial community profiles in soils adjacent to mining and smelting areas: Contrasting potentially toxic metals and co-occurrence patterns. <i>Chemosphere</i> , 2021, 282, 130992.	4.2	33
2394	PLDLS: A novel parallel label diffusion and label Selection-based community detection algorithm based on Spark in social networks. <i>Expert Systems With Applications</i> , 2021, 183, 115377.	4.4	19
2395	A modified label propagation algorithm for community detection in attributed networks. <i>International Journal of Information Management Data Insights</i> , 2021, 1, 100030.	6.5	15
2396	The identification of crucial spreaders in complex networks by effective gravity model. <i>Information Sciences</i> , 2021, 578, 725-749.	4.0	34
2397	An efficient Nyström spectral clustering algorithm using incomplete Cholesky decomposition. <i>Expert Systems With Applications</i> , 2021, 186, 115813.	4.4	6
2398	Maximal cliques based method for detecting and evaluating learning communities in social networks. <i>Future Generation Computer Systems</i> , 2022, 126, 1-14.	4.9	9
2399	Deep neighbor-aware embedding for node clustering in attributed graphs. <i>Pattern Recognition</i> , 2022, 122, 108230.	5.1	30
2400	Identifying vital nodes in complex networks based on information entropy, minimum dominating set and distance. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150071.	1.0	6
2401	Evolution of Influential Developer's Communities in OSS and its Impact on Quality. <i>Intelligent Automation and Soft Computing</i> , 2021, 28, 337-352.	1.6	1
2402	Disjoint and Non-Disjoint Community Detection with Control of Overlaps Between Communities. <i>SN Computer Science</i> , 2021, 2, 1.	2.3	0
2403	Complex networks identification using Bayesian model with independent Laplace prior. <i>Chaos</i> , 2021, 31, 013107.	1.0	9
2404	Codependency and mutual exclusivity for gene community detection from sparse single-cell transcriptome data. <i>Nucleic Acids Research</i> , 2021, 49, e104-e104.	6.5	3
2405	NIRS-KIT: a MATLAB toolbox for both resting-state and task fNIRS data analysis. <i>Neurophotonics</i> , 2021, 8, 010802.	1.7	73
2406	Dynamic Network Modeling of Allosteric Interactions and Communication Pathways in the SARS-CoV-2 Spike Trimer Mutants: Differential Modulation of Conformational Landscapes and Signal Transmission via Cascades of Regulatory Switches. <i>Journal of Physical Chemistry B</i> , 2021, 125, 850-873.	1.2	66
2407	Twenty Years of Network Science: A Bibliographic and Co-authorship Network Analysis. <i>Lecture Notes in Social Networks</i> , 2021, , 1-24.	0.8	9
2408	Clustering spatio-temporal bi-partite graphs for finding crowdsourcing communities in IoMT networks. <i>Big Earth Data</i> , 2021, 5, 24-48.	2.0	2

#	ARTICLE	IF	CITATIONS
2409	Fuzzy Community Detection Based on Elite Symbiotic Organisms Search and Node Neighborhood Information. IEEE Transactions on Fuzzy Systems, 2022, 30, 2500-2514.	6.5	4
2410	RefineDCN: An Improved Community Detection Algorithm Based on Center Finding. IEEE Access, 2021, 9, 14630-14639.	2.6	0
2411	The Cross-Shareholding Network and Risk Contagion from Stochastic Shocks: An Investigation Based on China's Market. Computational Economics, 0, , 1.	1.5	2
2412	Community detection in dynamic networks: a comprehensive and comparative review using external and internal criteria. International Journal of Systems Assurance Engineering and Management, 2021, 12, 217-230.	1.5	2
2414	Modelling cascading failures in networks with the harmonic closeness. PLoS ONE, 2021, 16, e0243801.	1.1	2
2415	Role Discovery-Guided Network Embedding Based on Autoencoder and Attention Mechanism. IEEE Transactions on Cybernetics, 2023, 53, 365-378.	6.2	6
2422	Human Behavior, Dynamics of. , 2009, , 4608-4631.		1
2423	Community Structure in Graphs. , 2009, , 1141-1163.		71
2424	A Systems Bioinformatics Approach to Interconnect Biological Pathways. Methods in Molecular Biology, 2021, 2189, 231-249.	0.4	3
2425	Graph Data Management and Mining: A Survey of Algorithms and Applications. The Kluwer International Series on Advances in Database Systems, 2010, , 13-68.	1.1	42
2426	Framework for Fast Identification of Community Structures in Large-Scale Social Networks. Annals of Information Systems, 2010, , 149-175.	0.5	5
2427	Understanding Group Structures and Properties in Social Media. , 2010, , 163-185.		4
2428	Laplacian Spectra and Synchronization Processes on Complex Networks. Springer Optimization and Its Applications, 2012, , 81-113.	0.6	16
2429	Game-Theoretic Framework for Community Detection. , 2014, , 573-588.		4
2430	Multi-scale Modularity and Dynamics in Complex Networks. Modeling and Simulation in Science, Engineering and Technology, 2013, , 125-141.	0.4	7
2431	Combining Link and Content for Community Detection. , 2017, , 1-13.		1
2432	Game-Theoretic Framework for Community Detection. , 2018, , 891-907.		1
2433	Access-Control Prediction in Social Network Sites: Examining the Role of Homophily. Lecture Notes in Computer Science, 2018, , 61-74.	1.0	1

#	ARTICLE	IF	CITATIONS
2434	Extracting Representative User Subset of Social Networks Towards User Characteristics and Topological Features. Lecture Notes in Computer Science, 2018, , 213-229.	1.0	1
2435	Primate Infectious Disease Ecology: Insights and Future Directions at the Human-Macaque Interface. Fascinating Life Sciences, 2020, , 249-284.	0.5	7
2436	An Immunological Algorithm for Graph Modularity Optimization. Advances in Intelligent Systems and Computing, 2020, , 235-247.	0.5	3
2437	A New Approach to Detect At-Risk Learning Communities in Social Networks. Learning and Analytics in Intelligent Systems, 2020, , 75-84.	0.5	4
2438	Three-Way Decisions Community Detection Model Based on Weighted Graph Representation. Lecture Notes in Computer Science, 2020, , 153-165.	1.0	3
2439	Semantic Similarity Measures for Topological Link Prediction. Lecture Notes in Computer Science, 2020, , 132-142.	1.0	1
2440	The Randomized Greedy Modularity Clustering Algorithm and the Core Groups Graph Clustering Scheme. Studies in Classification, Data Analysis, and Knowledge Organization, 2014, , 17-36.	0.1	7
2441	Privacy and Anonymization in Social Networks. Intelligent Systems Reference Library, 2014, , 243-270.	1.0	3
2442	Community Detection in Bipartite Networks Using Random Walks. Studies in Computational Intelligence, 2014, , 157-165.	0.7	11
2443	Crowd Tracking with Dynamic Evolution of Group Structures. Lecture Notes in Computer Science, 2014, , 139-154.	1.0	26
2444	Considerations About Multistep Community Detection. Lecture Notes in Computer Science, 2014, , 549-561.	1.0	3
2445	An Observational Study to Identify the Role of Online Communication in Offline Social Networks. Communications in Computer and Information Science, 2014, , 509-522.	0.4	1
2446	Community Dynamics: Event and Role Analysis in Social Network Analysis. Lecture Notes in Computer Science, 2014, , 85-97.	1.0	4
2447	The (not so) Critical Nodes of Criminal Networks. Lecture Notes in Computer Science, 2015, , 87-96.	1.0	2
2448	A Multi-Objective Genetic Algorithm for Community Detection in Multidimensional Social Network. Advances in Intelligent Systems and Computing, 2016, , 129-139.	0.5	3
2449	Neural Networks for Fast Estimation of Social Network Centrality Measures. Advances in Intelligent Systems and Computing, 2015, , 175-184.	0.5	6
2450	A Fast and Complete Enumeration of Pseudo-Cliques for Large Graphs. Lecture Notes in Computer Science, 2016, , 423-435.	1.0	2
2451	Overlapping Community Detection Using Core Label Propagation and Belonging Function. Lecture Notes in Computer Science, 2016, , 165-174.	1.0	3

#	ARTICLE	IF	CITATIONS
2452	Machine Learning Application to Human Brain Network Studies: A Kernel Approach. Springer Proceedings in Mathematics and Statistics, 2017, , 229-249.	0.1	5
2453	Evolutionary Game Network Reconstruction by Memetic Algorithm with $l_1/2$ Regularization. Lecture Notes in Computer Science, 2017, , 15-26.	1.0	1
2454	Fluid Communities: A Competitive, Scalable and Diverse Community Detection Algorithm. Studies in Computational Intelligence, 2018, , 229-240.	0.7	38
2455	Detecting Community Structure in Dynamic Social Networks Using the Concept of Leadership. Studies in Systems, Decision and Control, 2018, , 97-118.	0.8	12
2456	Analysis of Enriched Co-authorship Networks: Methodology and a Case Study. Intelligent Systems Reference Library, 2019, , 277-317.	1.0	2
2457	Applications of Trace Estimation Techniques. Lecture Notes in Computer Science, 2018, , 19-33.	1.0	3
2458	Zentralitätsanomalien und Netzwerkstruktur. Ein Plädoyer für einen "engeren" Netzwerkbegriff und ein community-orientiertes Zentralitätsmodell. , 2008, , 261-272.		2
2459	Zentralitätsanomalien und Netzwerkstruktur. Ein Plädoyer für einen "engeren" Netzwerkbegriff und ein community-orientiertes Zentralitätsmodell. , 2010, , 261-272.		4
2460	Effective Algorithm for Detecting Community Structure in Complex Networks Based on GA and Clustering. Lecture Notes in Computer Science, 2007, , 657-664.	1.0	38
2461	Discovering Functional Communities in Dynamical Networks. , 2006, , 140-157.		13
2462	Small Alliances in Graphs. Lecture Notes in Computer Science, 2007, , 218-227.	1.0	4
2463	Detecting Overlapping Community Structures in Networks with Global Partition and Local Expansion. , 2008, , 43-55.		6
2464	Differential Betweenness in Complex Networks Clustering. Lecture Notes in Computer Science, 2008, , 227-234.	1.0	5
2465	Finding Community Structure Based on Subgraph Similarity. Studies in Computational Intelligence, 2009, , 73-81.	0.7	18
2466	Multi-level Algorithms for Modularity Clustering. Lecture Notes in Computer Science, 2009, , 257-268.	1.0	81
2467	Data in Social Network Analysis. Lecture Notes in Computer Science, 2009, , 134-149.	1.0	4
2468	Hybrid Clustering of Multiple Information Sources via HOSVD. Lecture Notes in Computer Science, 2010, , 337-345.	1.0	6
2469	The Link Prediction Problem in Bipartite Networks. Lecture Notes in Computer Science, 2010, , 380-389.	1.0	47

#	ARTICLE	IF	CITATIONS
2470	Community Detection Using a Measure of Global Influence. Lecture Notes in Computer Science, 2010, , 20-35.	1.0	20
2471	Discovering Community-Oriented Roles of Nodes in a Social Network. Lecture Notes in Computer Science, 2010, , 52-64.	1.0	29
2472	Social Community Detection from Photo Collections Using Bayesian Overlapping Subspace Clustering. Lecture Notes in Computer Science, 2011, , 57-64.	1.0	2
2474	Listing All Maximal Cliques in Large Sparse Real-World Graphs. Lecture Notes in Computer Science, 2011, , 364-375.	1.0	97
2476	A Generalization Based Approach for Anonymizing Weighted Social Network Graphs. Lecture Notes in Computer Science, 2011, , 118-130.	1.0	24
2477	On Modeling Virality of Twitter Content. Lecture Notes in Computer Science, 2011, , 212-221.	1.0	11
2478	Are We There Yet? When to Stop a Markov Chain while Generating Random Graphs. Lecture Notes in Computer Science, 2012, , 153-164.	1.0	19
2479	Community Structure: An Introduction. Springer Theses, 2013, , 1-17.	0.0	2
2480	Exploratory Analysis of the Structural Regularities in Networks. Springer Theses, 2013, , 93-117.	0.0	1
2481	Collective Classification Techniques: An Experimental Study. Advances in Intelligent Systems and Computing, 2013, , 99-108.	0.5	9
2482	Community Structure Based Node Scores for Network Immunization. Lecture Notes in Computer Science, 2012, , 899-902.	1.0	4
2483	Resting-State fMRI Single Subject Cortical Parcellation Based on Region Growing. Lecture Notes in Computer Science, 2012, 15, 188-195.	1.0	15
2484	Structural Change Pattern Mining Based on Constrained Maximal k-Plex Search. Lecture Notes in Computer Science, 2012, , 284-298.	1.0	5
2485	Integrating Social Media Data for Community Detection. Lecture Notes in Computer Science, 2012, , 1-20.	1.0	13
2487	Drawing Clustered Graphs as Topographic Maps. Lecture Notes in Computer Science, 2013, , 426-438.	1.0	15
2489	Learning Representative Nodes in Social Networks. Lecture Notes in Computer Science, 2013, , 25-36.	1.0	7
2490	A New Approach to Identify Influential Spreaders in Complex Networks. Lecture Notes in Computer Science, 2013, , 99-104.	1.0	20
2491	Applying to Twitter Networks of a Community Extraction Method Using Intersection Graph and Semantic Analysis. Lecture Notes in Computer Science, 2013, , 314-323.	1.0	1

#	ARTICLE	IF	CITATIONS
2492	GMAC: A Seed-Insensitive Approach to Local Community Detection. Lecture Notes in Computer Science, 2013, , 297-308.	1.0	25
2495	The Irreducible Spine(s) of Undirected Networks. Lecture Notes in Computer Science, 2013, , 104-117.	1.0	4
2496	Relational Change Pattern Mining Based on Modularity Difference. Lecture Notes in Computer Science, 2013, , 187-198.	1.0	1
2497	An Energy Model for Network Community Structure Detection. Lecture Notes in Computer Science, 2013, , 410-421.	1.0	1
2498	Ein indikatorengeprägter Ansatz zur Resilienzanalyse von Energiesystemen in Transition. , 2018, , 293-326.		2
2499	Detecting Communities in Social Networks Using Local Information. , 2010, , 197-214.		8
2500	A Comparative Analysis of Community Detection Algorithms on Social Networks. Advances in Intelligent Systems and Computing, 2019, , 287-298.	0.5	10
2501	Community Detection Using Maximizing Modularity and Similarity Measures in Social Networks. Smart Innovation, Systems and Technologies, 2020, , 197-206.	0.5	6
2502	Social Network Predicts Exposure to Respiratory Infection in a Wild Chimpanzee Group. EcoHealth, 2020, 17, 437-448.	0.9	8
2503	Finding influential nodes in social networks based on neighborhood correlation coefficient. Knowledge-Based Systems, 2020, 194, 105580.	4.0	71
2504	ModMRF: A modularity-based Markov Random Field method for community detection. Neurocomputing, 2020, 405, 218-228.	3.5	19
2505	Identifying key nodes based on improved structural holes in complex networks. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 318-327.	1.2	43
2506	A density based link clustering algorithm for overlapping community detection in networks. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 65-78.	1.2	15
2507	A social communication model based on simplicial complexes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126895.	0.9	23
2508	Particle-attached riverine bacteriome shifts in a pollutant-resistant and pathogenic community during a Mediterranean extreme storm event. Science of the Total Environment, 2020, 732, 139047.	3.9	7
2510	Social goods dilemmas in heterogeneous societies. Nature Human Behaviour, 2020, 4, 819-831.	6.2	49
2511	Evolution mechanism of principal modes in climate dynamics. New Journal of Physics, 2020, 22, 093077.	1.2	6
2513	Reconfiguration of Network Hub Structure after Propofol-induced Unconsciousness. Anesthesiology, 2013, 119, 1347-1359.	1.3	127

#	ARTICLE	IF	CITATIONS
2524	A framework for the construction of generative models for mesoscale structure in multilayer networks. <i>Physical Review Research</i> , 2020, 2, .	1.3	23
2525	Threefold way to the dimension reduction of dynamics on networks: An application to synchronization. <i>Physical Review Research</i> , 2020, 2, .	1.3	14
2526	<i>ALEPH</i>: a network-oriented approach for the generation of fragment-based libraries and for structure interpretation. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020, 76, 193-208.	1.1	16
2527	Static and Dynamic Community Detection Methods That Optimize a Specific Objective Function: A Survey and Experimental Evaluation. <i>IEEE Access</i> , 2020, 8, 98330-98358.	2.6	9
2528	SIG-CLA: A Significant Community Detection based on Cellular Learning Automata. , 2020, , .		6
2529	Community-Aware Graph Signal Processing: Modularity Defines New Ways of Processing Graph Signals. <i>IEEE Signal Processing Magazine</i> , 2020, 37, 150-159.	4.6	5
2530	Online Reconstruction of Complex Networks From Streaming Data. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 5136-5147.	6.2	15
2531	Community leader and transition probability based LPA. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050253.	1.0	1
2532	Clustr. , 2009, , .		48
2533	Panther. , 2015, , .		29
2534	Using Local Spectral Methods to Robustify Graph-Based Learning Algorithms. , 2015, , .		17
2535	Utilising Wikipedia for Text Mining Applications. <i>ACM SIGIR Forum</i> , 2016, 49, 150-151.	0.4	1
2536	Structural Diversity and Homophily. , 2017, , .		12
2537	Deep Multi-Graph Clustering via Attentive Cross-Graph Association. , 2020, , .		15
2538	Two decades of network science. , 2019, , .		21
2539	Noise-Enhanced Community Detection. , 2020, , .		7
2540	Algorithmic and Statistical Perspectives on Large-Scale Data Analysis. <i>Chapman & Hall/CRC Computational Science</i> , 2012, , 427-469.	0.5	9
2541	A Novel Method of Identifying Influential Nodes in Complex Networks Based on Random Walks. <i>Journal of Information and Computational Science</i> , 2014, 11, 6735-6740.	0.1	3

#	ARTICLE	IF	CITATIONS
2542	The Role of Continuous Processes in Cognitive Development. <i>Mathematics for Applications</i> , 2015, 4, 129-152.	0.1	3
2543	Network "Small-World-Ness": A Quantitative Method for Determining Canonical Network Equivalence. <i>PLoS ONE</i> , 2008, 3, e0002051.	1.1	1,098
2544	A New Measure of Centrality for Brain Networks. <i>PLoS ONE</i> , 2010, 5, e12200.	1.1	254
2545	Community Landscapes: An Integrative Approach to Determine Overlapping Network Module Hierarchy, Identify Key Nodes and Predict Network Dynamics. <i>PLoS ONE</i> , 2010, 5, e12528.	1.1	168
2546	Defecting or Not Defecting: How to "Read" Human Behavior during Cooperative Games by EEG Measurements. <i>PLoS ONE</i> , 2010, 5, e14187.	1.1	151
2547	Automated Discrimination of Brain Pathological State Attending to Complex Structural Brain Network Properties: The Shiverer Mutant Mouse Case. <i>PLoS ONE</i> , 2011, 6, e19071.	1.1	20
2548	Employment Growth through Labor Flow Networks. <i>PLoS ONE</i> , 2013, 8, e60808.	1.1	43
2549	Prediction of Rat Behavior Outcomes in Memory Tasks Using Functional Connections among Neurons. <i>PLoS ONE</i> , 2013, 8, e74298.	1.1	9
2550	Roosting and Foraging Social Structure of the Endangered Indiana Bat (<i>Myotis sodalis</i>). <i>PLoS ONE</i> , 2014, 9, e96937.	1.1	34
2551	The Community Structure of the Global Corporate Network. <i>PLoS ONE</i> , 2014, 9, e104655.	1.1	52
2552	Uncovering Community Structures with Initialized Bayesian Nonnegative Matrix Factorization. <i>PLoS ONE</i> , 2014, 9, e107884.	1.1	7
2553	Aberrant Functional Connectome in Neurologically Asymptomatic Patients with End-Stage Renal Disease. <i>PLoS ONE</i> , 2015, 10, e0121085.	1.1	30
2554	Fast Fragmentation of Networks Using Module-Based Attacks. <i>PLoS ONE</i> , 2015, 10, e0142824.	1.1	44
2555	CD-Based Indices for Link Prediction in Complex Network. <i>PLoS ONE</i> , 2016, 11, e0146727.	1.1	10
2556	BoCluSt: Bootstrap Clustering Stability Algorithm for Community Detection. <i>PLoS ONE</i> , 2016, 11, e0156576.	1.1	5
2557	Locating Structural Centers: A Density-Based Clustering Method for Community Detection. <i>PLoS ONE</i> , 2017, 12, e0169355.	1.1	36
2558	Properties of healthcare teaming networks as a function of network construction algorithms. <i>PLoS ONE</i> , 2017, 12, e0175876.	1.1	8
2559	Exploring the roles of cannot-link constraint in community detection via Multi-variance Mixed Gaussian Generative Model. <i>PLoS ONE</i> , 2017, 12, e0178029.	1.1	7

#	ARTICLE	IF	CITATIONS
2560	Real-time community detection in full social networks on a laptop. PLoS ONE, 2018, 13, e0188702.	1.1	13
2561	Statistical test for detecting community structure in real-valued edge-weighted graphs. PLoS ONE, 2018, 13, e0194079.	1.1	7
2562	Community Detection by using the Extended Modularity. Acta Cybernetica, 2011, 20, 69-85.	0.5	12
2563	A Study on Relationship between Modularity and Diffusion Dynamics in Networks from Spectral Analysis Perspective. International Journal of Advanced Computer Science and Applications, 2014, 5, .	0.5	3
2564	Local dependency in networks. International Journal of Applied Mathematics and Computer Science, 2015, 25, 281-293.	1.5	8
2565	Functional Connectome Analyses Reveal the Human Olfactory Network Organization. ENeuro, 2020, 7, ENEURO.0551-19.2020.	0.9	19
2566	The effects of graded levels of calorie restriction: VII. Topological rearrangement of hypothalamic aging networks. Aging, 2016, 8, 917-932.	1.4	18
2567	An Efficient Algorithm for Optimizing Bipartite Modularity in Bipartite Networks. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2010, 14, 408-415.	0.5	33
2568	Choosing a Clustering: An A Posteriori Method for Social Networks. Journal of Social Structure, 2014, 15, 1-21.	1.3	5
2569	Trading Communities, the Networked Structure of International Relations and the Kantian Peace. SSRN Electronic Journal, 0, , .	0.4	1
2570	The Community Structure of the Global Corporate Network. SSRN Electronic Journal, 0, , .	0.4	5
2572	Finding Community of Brain Networks Based on Neighbor Index and DPSO with Dynamic Crossover. Current Bioinformatics, 2020, 15, 287-299.	0.7	3
2573	Symptom Distribution Regularity of Insomnia: Network and Spectral Clustering Analysis. JMIR Medical Informatics, 2020, 8, e16749.	1.3	7
2574	Cluster analysis in document networks. WIT Transactions on Information and Communication Technologies, 2008, , .	0.0	4
2575	Socio-epistemic analysis of scientific knowledge production in little science research. TripleC, 2008, 6, 134-145.	0.6	1
2576	Network analysis reveals multispecies spatial associations in the shark community of a Caribbean marine protected area. Marine Ecology - Progress Series, 2020, 633, 105-126.	0.9	20
2577	dragon: A New Tool for Exploring Redox Evolution Preserved in the Mineral Record. Frontiers in Earth Science, 2020, 8, .	0.8	6
2578	Information Bottleneck Based Community Detection in Network. Jisuanji Xuebao/Chinese Journal of Computers, 2009, 31, 677-686.	0.3	6

#	ARTICLE	IF	CITATIONS
2579	Service Classification and Recommendation Based on Software Networks. Jisuanji Xuebao/Chinese Journal of Computers, 2012, 34, 2355-2369.	0.3	12
2580	Rich-club phenomenon based search immunization. Journal of Computer Applications, 2010, 30, 1533-1535.	0.1	1
2581	Spectral plot properties: Towards a qualitative classification of networks. Networks and Heterogeneous Media, 2008, 3, 395-411.	0.5	28
2582	Community Detection in Large-Scale Social Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 189-206.	0.3	2
2583	Multiobjective Group Search Optimization Approach for Community Detection in Networks. International Journal of Applied Evolutionary Computation, 2016, 7, 50-70.	0.7	2
2584	Using Social Network Analysis to Explore Digital Student Interactions and Business Competency Learning in a Web-based Educational Platform. International Journal of Information Systems and Social Change, 2015, 6, 1-23.	0.1	7
2585	Leveraging Spatio-Temporal Clustering for Participatory Urban Infrastructure Monitoring. , 2014, , .		8
2586	The Development of Social Network Analysis “ with an Emphasis on Recent Events. , 2014, , 26-39.		28
2587	A Hybrid Algorithm for Community Detection Using PSO and EO. Advances in Information Sciences and Service Sciences, 2013, 5, 187-195.	0.1	3
2588	On Accuracy of Community Structure Discovery Algorithms. Journal of Convergence Information Technology, 2011, 6, 283-292.	0.1	16
2589	Improved Functional Enrichment Analysis of Biological Networks using Scalable Modularity Based Clustering. Journal of Proteomics and Bioinformatics, 2016, 9, .	0.4	10
2590	An Algorithm for Detecting Group in Mobile Social Network. Journal of Networks, 2012, 7, .	0.4	8
2591	Ant Colony Optimization for Detecting Communities from Bipartite network. Journal of Software, 2013, 8, .	0.6	1
2592	Comparative analysis of community discovery methods in social networks. International Journal of Computer Applications, 2011, 14, 27-31.	0.2	10
2593	Community Detection in Complex Network via BGLL Algorithm. International Journal of Computer Applications, 2012, 48, 32-42.	0.2	6
2594	Author verification using a Graph-based Representation. International Journal of Computer Applications, 2015, 123, 1-8.	0.2	6
2595	Distribution of Maximal Clique Size of the Vertices for Theoretical Small-World Networks and Real-World Networks. International Journal of Computer Networks and Communications, 2015, 7, 21-41.	0.3	5
2596	Overlapping Kernel-based Community Detection with Node Attributes. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
2598	Modularity bounds for clusters located by leading eigenvectors of the normalized modularity matrix. Journal of Mathematical Inequalities, 2017, , 701-714.	0.5	1
2599	Node influence calculation mechanism based on Bayesian and semiring algebraic model in social networks. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 130201.	0.2	4
2600	Evaluating influential spreaders in complex networks by extension of degree. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 088901.	0.2	6
2601	Node importance measurement based on neighborhood similarity in complex network. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 038902.	0.2	24
2602	Protein biogenesis machinery is a driver of replicative aging in yeast. ELife, 2015, 4, e08527.	2.8	151
2603	Exploring Twitter communication dynamics with evolving community analysis. PeerJ Computer Science, 0, 3, e107.	2.7	7
2604	Capturing the interplay of dynamics and networks through parameterizations of Laplacian operators. PeerJ Computer Science, 0, 2, e57.	2.7	7
2605	Spectral Methods for Data Science: A Statistical Perspective. Foundations and Trends in Machine Learning, 2021, 14, 566-806.	46.6	37
2606	Community detection in social networks by incorporating the preferential selection. Journal of Complex Networks, 2021, 9, .	1.1	0
2607	Community Detection and Impact of Bots on Sentiment Polarity of Twitter Networks. , 2021, , .		1
2608	An Experimental Evaluation of Similarity-Based and Embedding-Based Link Prediction Methods on Graphs. International Journal of Data Mining & Knowledge Management Process, 2021, 11, 1-18.	0.1	0
2609	Contextual polarity and influence mining in online social networks. Computational Social Networks, 2021, 8, .	2.1	2
2610	Discrete bacterial foraging optimization for community detection in networks. Future Generation Computer Systems, 2022, 128, 192-204.	4.9	5
2611	End-to-end variational graph clustering with local structural preservation. Neural Computing and Applications, 2022, 34, 3767-3782.	3.2	2
2612	Minimal Cycle Representatives in Persistent Homology Using Linear Programming: An Empirical Study With User's Guide. Frontiers in Artificial Intelligence, 2021, 4, 681117.	2.0	3
2613	Unsupervised community detection in attributed networks based on mutual information maximization. New Journal of Physics, 2021, 23, 113016.	1.2	5
2614	Ecological network analysis to assess the restoration success of disturbed mine soil in Zoucheng, China. Land Degradation and Development, 2021, 32, 5393-5411.	1.8	14
2615	Evidential link prediction method based on the importance of high-order path index. Modern Physics Letters B, 0, , .	1.0	0

#	ARTICLE	IF	CITATIONS
2616	An effective heuristic clustering algorithm for mining multiple critical nodes in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 588, 126535.	1.2	9
2617	Influence of heterogeneous edge weights on assortative mixing patterns in military personnel networks. <i>Pattern Analysis and Applications</i> , 0, , 1.	3.1	0
2618	An enhanced evolutionary approach for solving the community detection problem. <i>Journal of Information and Telecommunication</i> , 2022, 6, 83-100.	2.2	0
2619	Distributed Subnetworks of Depression Defined by Direct Intracranial Neurophysiology. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 746499.	1.0	6
2620	Directed network Laplacians and random graph models. <i>Royal Society Open Science</i> , 2021, 8, 211144.	1.1	5
2621	On community structure validation in real networks. <i>Computational Statistics</i> , 2022, 37, 1165-1183.	0.8	3
2622	An Automorphic Distance Metric and Its Application to Node Embedding for Role Mining. <i>Complexity</i> , 2021, 2021, 1-17.	0.9	0
2623	Systematic comparison of graph embedding methods in practical tasks. <i>Physical Review E</i> , 2021, 104, 044315.	0.8	9
2624	Social Network Community Detection by Combining Self-Organizing Maps and Genetic Algorithms. <i>Complexity</i> , 2021, 2021, 1-14.	0.9	2
2625	Determining the best algorithm to detect community structures in networks: application to power systems. <i>Environment Systems and Decisions</i> , 2022, 42, 251-264.	1.9	1
2627	Parameter-free and cooperative local search algorithms for graph colouring. <i>Soft Computing</i> , 2021, 25, 15035-15050.	2.1	4
2630	Community Structure in Congressional Cosponsorship Networks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6
2631	Modeling the Product Space as a Network. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2632	Challenges for Dynamic Heterogeneous Networks in Observational Sciences. <i>Chapman & Hall/CRC Data Mining and Knowledge Discovery Series</i> , 2008, , .	0.2	1
2633	Networks: Structure and Dynamics. , 2009, , 6048-6066.		1
2634	Informative Laplacian Projection. <i>Lecture Notes in Computer Science</i> , 2009, , 359-368.	1.0	0
2635	Irregular Community Discovery for Social CRM in Cloud Computing. <i>Lecture Notes in Computer Science</i> , 2009, , 497-509.	1.0	1
2636	Network Partitioning and Self-sizing Methods for QoS Management with Autonomic Characteristics. <i>Lecture Notes in Computer Science</i> , 2009, , 151-160.	1.0	1

#	ARTICLE	IF	CITATIONS
2637	Spectral clustering and community detection in document networks. WIT Transactions on Information and Communication Technologies, 2009, , .	0.0	2
2638	Graph visualization with latent variable models. , 2010, , .		3
2639	Information-Driven Collective Intelligences. Lecture Notes in Computer Science, 2010, , 352-362.	1.0	0
2640	ONDOCS: Ordering Nodes to Detect Overlapping Community Structure. Annals of Information Systems, 2010, , 125-148.	0.5	1
2641	The evaluation function of weight similarity and its application in community detection in weighted networks. Wuli Xuebao/Acta Physica Sinica, 2010, 59, 6022.	0.2	4
2642	Finding Research Community in Collaboration Network with Expertise Profiling. Lecture Notes in Computer Science, 2010, , 337-344.	1.0	7
2643	Recherche et reprÃ©sentation de communautÃ©s dans un grand graphe. Une approche combinÃ©e. Document Numerique, 2010, 14, 59-80.	0.2	1
2644	Immunization strategy by cutting edges. Journal of Computer Applications, 2010, 30, 1775-1777.	0.1	0
2645	Functional Connectivity MR Imaging. , 2011, , 355-371.		4
2646	Modules in Biological Networks. , 2011, , 248-274.		0
2647	Community Detection Through Optimal Density Contrast of Adjacency Matrix. Informatica, 2011, 22, 135-148.	1.5	2
2649	Innovations and Trends in Web Data Management. Studies in Computational Intelligence, 2011, , 1-18.	0.7	0
2650	MULTI-SCALE COMMUNITY DETECTION USING STABILITY AS OPTIMISATION CRITERION IN A GREEDY ALGORITHM. , 2011, , .		7
2651	Constructing Social Networks from Unstructured Group Dialog in Virtual Worlds. Lecture Notes in Computer Science, 2011, , 180-187.	1.0	5
2652	Anonymizing Graphs Against Weight-based Attacks with Community Preservation. Journal of Computing Science and Engineering, 2011, 5, 197-209.	0.3	2
2654	Role Assorted Community Discovery for Weighted Networks. Journal of Software, 2011, 6, .	0.6	0
2655	Method for Intelligent Representation of Research Activities of an Organization over a Taxonomy of Its Field. Intelligent Systems Reference Library, 2012, , 423-454.	1.0	0
2656	Research on a New Network Model for Fault Location Based on Betweenness. Advances in Intelligent and Soft Computing, 2012, , 417-424.	0.2	0

#	ARTICLE	IF	CITATIONS
2657	Immunization of Networks via Modularity Based Node Representation. Smart Innovation, Systems and Technologies, 2012, , 33-44.	0.5	0
2658	Categorization Method for Nodes in Complex Networks and Its Application. Transactions of the Japanese Society for Artificial Intelligence, 2012, 27, 111-120.	0.1	0
2659	Group similarity based algorithm for network community structure detection. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 218901.	0.2	4
2660	A Cooperative and Heuristic Community Detecting Algorithm. Journal of Computers, 2012, 7, .	0.4	5
2662	Link Communities Detection via Local Approach. Lecture Notes in Computer Science, 2012, , 282-291.	1.0	0
2663	Topological Comparison of Brain Functional Networks and Internet Service Providers. IEICE Transactions on Communications, 2012, E95.B, 1539-1546.	0.4	3
2664	Web Community Discovery Based on Fuzzy Game-Theoretic Framework. Lecture Notes in Electrical Engineering, 2012, , 307-314.	0.3	0
2665	Analysis of community evaluation criterion and discovery algorithm of weighted complex network. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 210511.	0.2	3
2666	Evaluating Exploratory Visualization Systems: A User Study on How Clustering-Based Systems Supporting Information Seeking from Large Document Collections. SSRN Electronic Journal, 0, , .	0.4	0
2668	Parallel Community Mining in Social Network using Map-reduce. International Journal of Advancements in Computing Technology, 2012, 4, 445-453.	0.1	2
2669	A Random Network Ensemble Model Based Generalized Network Community Mining Algorithm. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 812-822.	0.3	0
2670	Tag Ontology Automatic Building for Semantic Searching of Services: a Case Study on Mashup Services. Journal of Computers, 2012, 7, .	0.4	3
2671	Competence Region Modelling in Relational Classification. Lecture Notes in Computer Science, 2013, , 236-244.	1.0	0
2673	Analysis on Drug Dosage Form Name Based on N-gram Technique and Network Analysis. Communications in Computer and Information Science, 2013, , 178-182.	0.4	0
2674	Efficient Usage of Collective Classification Algorithms for Collaborative Decision Making. Lecture Notes in Computer Science, 2013, , 73-80.	1.0	0
2675	Community Structure and Diffusion Dynamics on Networks. Springer Theses, 2013, , 73-92.	0.0	0
2676	A Nearly-Sublinear Method for Approximating a Column of the Matrix Exponential for Matrices from Large, Sparse Networks. Lecture Notes in Computer Science, 2013, , 68-79.	1.0	4
2677	Wifigrams: Design of Hierarchical Wi-Fi Indoor Localization Systems Guided by Social Network Analysis. Lecture Notes in Computer Science, 2013, , 9-16.	1.0	0

#	ARTICLE	IF	CITATIONS
2678	Statistical Equilibrium Models for Sparse Economic Networks. SSRN Electronic Journal, 0, , .	0.4	0
2679	A new approach to identify influential spreaders in complex networks. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 140101.	0.2	16
2680	Graph Clustering by Maximizing Statistical Association Measures. Lecture Notes in Computer Science, 2013, , 56-67.	1.0	0
2681	Multiscale Community Detection in Networks with Heterogeneous Degree Distributions. Springer Theses, 2013, , 45-71.	0.0	1
2682	Generation of Dynamic Sub-groups for Social Networks Analysis. Journal of Digital Contents Society, 2013, 14, 41-50.	0.1	0
2683	SpecP: A tool for spectral partitioning of protein contact graph. Bioinformatics, 2013, 9, 545-548.	0.2	0
2685	Identifying Overlapping Communities in Directed Networks via Triangles. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2013, 11, .	0.1	0
2686	Moblog-Based Social Networks. Studies in Computational Intelligence, 2014, , 75-97.	0.7	0
2687	Social Network Clustering. International Journal of Information Technology and Computer Science, 2014, 6, 76-81.	0.8	4
2688	Community Detection. Springer Theses, 2014, , 11-47.	0.0	0
2689	The Emergence of Roles in Large-Scale Networks of Communication. SSRN Electronic Journal, 0, , .	0.4	0
2690	Detecting Hierarchical Structure of Community Members by Link Pattern Expansion Method. Lecture Notes in Computer Science, 2014, , 95-104.	1.0	0
2691	Ranking Nodes Using Reputation. Springer Theses, 2014, , 211-222.	0.0	0
2692	Collective Behavior of social Networking Sites. IOSR Journal of Computer Engineering, 2014, 16, 75-79.	0.1	1
2693	Friends and Circlesâ€”A Design Study for Contact Management in Egocentric Online Social Networks. Lecture Notes in Social Networks, 2014, , 129-161.	0.8	2
2694	Enhancing Modularity Optimization via Local Close-Knit Structures. Lecture Notes in Computer Science, 2014, , 346-358.	1.0	0
2695	Graph Partitioning and Eigenvalue Problems. The Brain & Neural Networks, 2014, 21, 162-169.	0.1	0
2696	Mining Social Interaction - Ubiquitous Sensors and Social Media. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
2698	A Novel Approach for Secure Hidden Community Mining in Social Networks using Data Mining Techniques. International Journal of Computer Applications, 2014, 87, 12-19.	0.2	0
2699	A Social Network Analysis of Tourism Destinations in Package Tourism Products. Journal of the Korea Academia-Industrial Cooperation Society, 2014, 15, 1414-1423.	0.0	0
2701	Centrality-Based Connected Dominating Sets for Complex Network Graphs. International Journal of Interdisciplinary Telecommunications and Networking, 2014, 6, 1-24.	0.2	1
2702	Prediction of Collective Behavior in Live Social Media. International Journal of Computer Applications, 2014, 95, 8-11.	0.2	7
2704	Data Mining on Social Interaction Networks. Journal of Data Mining and Digital Humanities, 0, 2014, .	0.3	22
2705	A Community Divisive Algorithm Based on Local Weak Edges. Journal of Information and Computational Science, 2014, 11, 3727-3737.	0.1	0
2707	Functional Connectivity MR Imaging. , 2015, , 83-104.		0
2708	Addressing Object Heterogeneity Through Edge Cluster in Multi-mode Networks. Smart Innovation, Systems and Technologies, 2015, , 285-292.	0.5	0
2709	Towards the Implementation of the Model. SpringerBriefs in Optimization, 2015, , 103-120.	0.3	0
2710	Mining Social Interaction Data in Virtual Worlds. Communications in Computer and Information Science, 2015, , 86-105.	0.4	0
2711	Assessing Vertex Relevance based on Community Detection. , 2015, , .		2
2712	Intentional Risk and Cyber-Security: A Motivating Introduction. SpringerBriefs in Optimization, 2015, , 1-8.	0.3	0
2713	Cluster Discovery in Biological Networks. Computational Biology, 2015, , 241-274.	0.1	0
2714	Clustering Communities Using Interval K-Means. SSRN Electronic Journal, 0, , .	0.4	0
2715	The Role of Accessibility in the Static and Dynamic Risk Computation. SpringerBriefs in Optimization, 2015, , 53-63.	0.3	0
2717	Mathematical Model II: Dynamic Intentional Risk. SpringerBriefs in Optimization, 2015, , 99-102.	0.3	0
2718	Communities Identification Using Nodes Features. Lecture Notes in Computer Science, 2015, , 303-312.	1.0	0
2719	Mathematical Model I: Static Intentional Risk. SpringerBriefs in Optimization, 2015, , 65-98.	0.3	0

#	ARTICLE	IF	CITATIONS
2720	Self-similarity of Edge Weights and Community Detection in Weighted Networks. Journal of Information and Computational Science, 2015, 12, 1533-1540.	0.1	0
2721	On the Distribution of the Maximal Clique Size for the Vertices in Real-World Network Graphs and Correlation Studies. , 2015, , .		0
2723	A new Pre-processing Strategy for Improving Community Detection Algorithms. International Journal of Computer Applications, 2015, 119, 16-20.	0.2	1
2724	Quantifying and applying modularity in the Afrikaans film industry (1994â€“2014) as a complex network. South African Journal of Science and Technology, 2015, 34, .	0.1	0
2726	The Segregation and Cohesion in the Network of Interlocking Directorates. Zeszyty Naukowe Uniwersytetu SzczeciÅ„skiego Finanse Rynki Finansowe Ubezpieczenia, 2016, 79, 617-627.	0.1	1
2727	Community Detection in Weighted Networks via Recursive Edge-Filtration. Journal of Communications, 2016, , .	1.3	0
2728	A vilÅ¡gkereskedelem hÅ¡ilÅ¡zatelmÅ©leti vizsgÅ¡latÅ¡nak lehetÅ‘segeirÅ‘l. KÅ‘zgazdasÅ¡gi Szemle, 2016, 63, 799-808.		0
2729	Mild Traumatic Brain Injury Outcome Prediction Based on Both Graph and K-nn Methods. Lecture Notes in Computer Science, 2016, , 271-281.	1.0	1
2730	Complex Networks Clustering for Lower Power Scan Segmentation in At-Speed Testing. IEICE Transactions on Electronics, 2016, E99.C, 1071-1079.	0.3	1
2731	Afrikaans as a complex network: The word co-occurrence network in AndrÅ‘ P. BrinkÅ‘™s <i>Donkermaan</i> in Afrikaans, Dutch and English. South African Journal of Science and Technology, 2016, 35, .	0.1	0
2732	Fuzzy<i>c</i>-Regression Models for Fuzzy Numbers on a Graph. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2016, 20, 521-534.	0.5	1
2735	Effect of degree correlations on controllability of undirected networks. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 028901.	0.2	2
2736	Community Detection in Networks using Node Attributes and Modularity. International Journal of Advanced Computer Science and Applications, 2017, 8, .	0.5	3
2737	Biclustering Evolutionary Spatiotemporal Community in Global Trading Network. Lecture Notes in Computer Science, 2017, , 589-598.	1.0	0
2738	An improved evaluating method of node spreading influence in complex network based on information spreading probability. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 208901.	0.2	3
2740	Spectral Clustering for Cell Formation with Minimum Dissimilarities Distance. Lecture Notes in Computer Science, 2017, , 126-136.	1.0	0
2741	System Vulnerability Analysis Using Graph Pathfinding Strategies in Partitioned Networks. Journal of Power and Energy Engineering, 2017, 05, 15-24.	0.3	0
2742	A Hypothesis Testing Framework for Modularity Based Network Community Detection. Statistica Sinica, 2017, , .	0.2	4

#	ARTICLE	IF	CITATIONS
2744	A ranking approach based on k-shell decomposition method by filtering out redundant link in weighted networks. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 188902.	0.2	2
2746	Hierarchical Consensus Algorithm of Multi-agent System Based on Node-Contribution-Based Community Decomposition. Lecture Notes in Electrical Engineering, 2018, , 421-429.	0.3	0
2747	Analysis of Communities Detection Algorithms in Complex Networks. International Journal of Computer Applications, 2017, 173, 1-7.	0.2	0
2748	Performance Analysis of Molecular Complex Detection in Social Network Datasets. International Journal of Computer Applications, 2017, 175, 10-15.	0.2	0
2749	Identifying Top-K Important Nodes Based on Probabilistic-Jumping Random Walk in Complex Networks. Studies in Computational Intelligence, 2018, , 326-338.	0.7	0
2750	Edge Representation Learning for Community Detection in Large Scale Information Networks. Lecture Notes in Computer Science, 2018, , 54-72.	1.0	1
2751	MCA-Based Community Detection. Studies in Classification, Data Analysis, and Knowledge Organization, 2018, , 59-66.	0.1	5
2752	A Degenerate Agglomerative Hierarchical Clustering Algorithm for Community Detection. Lecture Notes in Computer Science, 2018, , 234-242.	1.0	4
2753	Social Network Anonymization Techniques. Advances in Information Security, Privacy, and Ethics Book Series, 2018, , 36-50.	0.4	0
2754	Clique Size and Centrality Metrics for Analysis of Real-World Network Graphs. , 2018, , 6507-6521.		0
2756	Feature Learning from Social Graphs. , 2018, , 1-10.		0
2757	Community outlier detection in social networks based on graph matching. International Journal of Autonomous and Adaptive Communications Systems, 2018, 11, 209.	0.2	1
2758	Issues and Methods for Access, Storage, and Analysis of Data From Online Social Communities. Advances in Data Mining and Database Management Book Series, 2018, , 402-432.	0.4	0
2759	Centrality Metrics, Measures, and Real-World Network Graphs. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 1-33.	0.3	0
2760	Graph Modification Approaches. Advances in Information Security, Privacy, and Ethics Book Series, 2018, , 86-115.	0.4	0
2763	Local clustering. Journal of Open Source Software, 2018, 3, 960.	2.0	0
2767	Constructed Link Prediction Model by Relation Pattern on the Social Network. Advances in Intelligent Systems and Computing, 2019, , 264-271.	0.5	0
2768	An Overlapping Community Detection Algorithm Based on Triangle Coarsening and Dynamic Distance. Communications in Computer and Information Science, 2019, , 285-300.	0.4	0

#	ARTICLE	IF	CITATIONS
2769	Sender- and receiver-specific blockmodels. <i>Journal of Social Structure</i> , 2015, 16, 1-34.	1.3	0
2770	Centrality Metrics-Based Connected Dominating Sets for Real-World Network Graphs. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2019, , 1-29.	0.3	0
2771	Clique Size and Centrality Metrics for Analysis of Real-World Network Graphs. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2019, , 1183-1198.	0.2	0
2773	Snowboot: Bootstrap Methods for Network Inference. <i>R Journal</i> , 2019, 10, 95.	0.7	0
2774	Clustering Communities Using Interval K-Means. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 27-38.	0.1	0
2775	Complex network centrality method based on multi-order K-shell vector. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 196402.	0.2	12
2776	Node importance based on the weighted $\langle i \rangle_K \langle i \rangle$ -order propagation number algorithm. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 128901.	0.2	4
2777	Temporal Affordances in the Networked Remembering of Fukushima. , 2019, , 39-58.		2
2778	Application of DeepWalk Based on Hyperbolic Coordinates on Unsupervised Clustering. <i>Lecture Notes in Computer Science</i> , 2019, , 106-118.	1.0	0
2779	Feature Learning from Social Graphs. , 2019, , 745-754.		0
2780	Influence Maximization and Extremal Optimization. <i>Lecture Notes in Computer Science</i> , 2019, , 416-427.	1.0	0
2781	Analyzing Communication Features and Community Structure of HPC Applications. <i>Communications in Computer and Information Science</i> , 2019, , 239-254.	0.4	0
2782	Stratification-Oriented Analysis of Community Structure in Networks of Face-to-Face Proximity. <i>Lecture Notes in Computer Science</i> , 2019, , 28-43.	1.0	0
2784	Theory and use case of game-theoretic lexical link analysis. , 2019, , .		2
2787	The Presence of Anti-community Structure in Complex Networks. <i>Asset Analytics</i> , 2020, , 127-137.	0.4	0
2789	A Persistent Homology Perspective to the Link Prediction Problem. <i>Studies in Computational Intelligence</i> , 2020, , 27-39.	0.7	0
2791	Graph Abstraction Based on Node Betweenness Centrality. <i>International Journal of Image Graphics and Signal Processing</i> , 2019, 11, 10-17.	0.8	1
2793	Metrics Matter in Community Detection. <i>Studies in Computational Intelligence</i> , 2020, , 164-175.	0.7	4

#	ARTICLE	IF	CITATIONS
2795	Altmetrics as a research specialty (Dimensions, 2005-2018). Profesional De La Informacion, 2019, 28, .	2.7	0
2796	Empirical Evaluation of Approximation Algorithms for Generalized Graph Coloring and Uniform Quasi-wideness. Journal of Experimental Algorithmics, 2019, 24, 1-34.	0.7	6
2799	A Proposal for a Benchmark Generator of Weakly Connected Directed Graphs. Open Journal of Modelling and Simulation, 2020, 08, 18-34.	0.7	0
2800	Inferring brain functional hubs by eigencentality mapping of phase fMRI connectivity. , 2020, , .		1
2803	Detection Model of Communication Network Community Structure based on Spectral Method. , 2020, , .		0
2805	Mining of Gene Modules and Identification of Key Genes in Hepatocellular Carcinoma based on Gene Co-expression Network Analysis. , 2020, , .		2
2806	Globally Optimal Dense and Sparse Spanning Trees, and their Applications. Statistics, Optimization and Information Computing, 2020, 8, 328-345.	0.4	4
2807	Discrete-time quantum walk on complex networks for community detection. Physical Review Research, 2020, 2, .	1.3	14
2808	Tree decompositions of real-world networks from simulated annealing. Journal of Physics Complexity, 2020, 1, 035003.	0.9	1
2810	Democracy in the time of social media. , 2020, , .		0
2811	Sectoral productivity convergence, input-output structure and network communities in Japan. Structural Change and Economic Dynamics, 2021, 59, 582-599.	2.1	5
2812	Integrative Models of Brain Structure and Dynamics: Concepts, Challenges, and Methods. Frontiers in Neuroscience, 2021, 15, 752332.	1.4	14
2813	A framework combines supervised learning and dense subgraphs discovery to predict protein complexes. Frontiers of Computer Science, 2022, 16, 1.	1.6	1
2814	DMFO-CD: A Discrete Moth-Flame Optimization Algorithm for Community Detection. Algorithms, 2021, 14, 314.	1.2	30
2815	Multivariate morphological brain signatures enable individualized prediction of dispositional need for closure. Brain Imaging and Behavior, 2021, , 1.	1.1	0
2817	Rough Net Approach for Community Detection Analysis in Complex Networks. Lecture Notes in Computer Science, 2020, , 401-415.	1.0	1
2818	WLeidenRDF: RDF Data Query Method based on Semantic-Enhanced Graph-Clustering Algorithm. , 2020, , .		0
2819	Leverage Artificial Intelligence to Learn, Optimize, and Win (LAILOW) for the Marine Maintenance and Supply Complex System. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
2820	Importance ranking method of multiple attributes of network nodes. , 2020, , .		0
2821	An Efficient Two Stage Clustering Algorithm for Signed Social Networks. , 2020, , .		0
2823	Using Link Clustering to Detect Influential Spreaders. Studies in Computational Intelligence, 2021, , 408-419.	0.7	1
2824	Detecting the number of clusters in a network. Journal of Complex Networks, 2021, 8, .	1.1	2
2825	Increases in multimorbidity with weight class in the United States. Clinical Obesity, 2021, 11, e12436.	1.1	7
2826	Community Detection for Mobile Money Fraud Detection. , 2020, , .		7
2827	Enhanced Selective Encryption method for Bigdata Sensing Stream using one way Hash Chain Algorithm. , 2020, , .		1
2828	Tracing the evolution of service robotics: Insights from a topic modeling approach. Technological Forecasting and Social Change, 2022, 174, 121280.	6.2	19
2829	Evaluation of the Costs of Delayed Campaigns for Limiting the Spread of Negative Content, Panic and Rumours in Complex Networks. Lecture Notes in Computer Science, 2020, , 291-304.	1.0	1
2830	A mean-field approximation based BP algorithm for solving the stochastic block model. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 228901-228901.	0.2	0
2831	Multiplex connectome changes across the alzheimerâ€™s disease spectrum using gray matter and amyloid data. Cerebral Cortex, 2022, 32, 3501-3515.	1.6	10
2832	Assessment of the Effectiveness of Random and Real-Networks Based on the Asymptotic Entropy. Springer Proceedings in Complexity, 2020, , 39-50.	0.2	0
2833	Network Representation. , 2020, , 217-283.		1
2834	Network Representation Learning Based on Topological Structure and Vertex Attributes. Lecture Notes in Computer Science, 2020, , 484-497.	1.0	0
2835	Link predictability of complex network from spectrum perspective. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 088901.	0.2	4
2836	Opposing Forces of Social Attraction and Social Avoidance Drive Network Modularity. SSRN Electronic Journal, 0, , .	0.4	1
2837	Modularity Based Community Detection in Heterogeneous Networks. Statistica Sinica, 2020, , .	0.2	5
2838	Group Definition Based on Flow in Community Detection. Communications in Computer and Information Science, 2020, , 524-538.	0.4	3

#	ARTICLE	IF	CITATIONS
2839	Uncovering Hidden Block Structure for Clustering. Lecture Notes in Computer Science, 2020, , 140-155.	1.0	3
2840	A Community Detection Method Based on the Subspace Similarity of Nodes in Complex Networks. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 105-120.	0.5	0
2841	Model and Algorithm of Community Division Based on Weak Community Definition. Advances in Applied Mathematics, 2020, 09, 2153-2160.	0.0	0
2842	Forecasting Soccer Market Tendencies Using Link Prediction. Lecture Notes in Computer Science, 2020, , 663-675.	1.0	1
2843	IDK My Friends: Link Analysis on Social Networks to Mine Surprise Connections. Communications in Computer and Information Science, 2020, , 29-35.	0.4	0
2846	Differed biotic interactions influenced by anthropogenic disturbances among trophic levels in fragmented wetlands. Science of the Total Environment, 2022, 809, 151179.	3.9	1
2847	Mining social applications network from business perspective using modularity maximization for community detection. Social Network Analysis and Mining, 2021, 11, 1.	1.9	67
2848	Determining Community Structure and Modularity in Social Network using Genetic Algorithm. IJCCS (Indonesian Journal of Computing and Cybernetics Systems), 2020, 14, 219.	0.3	0
2849	Modules in Biological Networks. , 0, , 637-663.		0
2850	Universal Dynamics on Complex Networks, Really?. , 0, , 231-249.		0
2851	Structure-Based Hierarchical Transformations for Interactive Visual Exploration of Social Networks. , 2008, , 1015-1021.		1
2852	Feature Fusion Based Subgraph Classification for Link Prediction. , 2020, , .		4
2854	Weighted synthetical influence of degree and H-index in link prediction of complex networks. International Journal of Modern Physics B, 2020, 34, 2050307.	1.0	2
2856	Adversarial Attacks on Link Prediction Algorithms Based on Graph Neural Networks. , 2020, , .		13
2857	Analysis of node2vec random walks on networks. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200447.	1.0	5
2859	Link Analysis to Discover Insights from Structured and Unstructured Data on COVID-19. , 2020, , .		1
2860	Semisupervised Community Preserving Network Embedding with Pairwise Constraints. Complexity, 2020, 2020, 1-14.	0.9	1
2861	Module Identification of Biological Networks via Graph Partition. , 2021, , 125-150.		0

#	ARTICLE	IF	CITATIONS
2862	Street network analysis concerning characteristic of plaza-street system. , 2010, 45.3, 421-426.		2
2863	Leadership Insularity: A New Measure of Connectivity Between Central Nodes in Networks. Connections, 2010, 30, 4-10.	0.2	1
2864	Community Extraction in Multilayer Networks with Heterogeneous Community Structure. Journal of Machine Learning Research, 2017, 18, 5458-5506.	62.4	5
2865	HyPC-Map: A Hybrid Parallel Community Detection Algorithm Using Information-Theoretic Approach. , 2021, , .		3
2866	Node Importance Measurement and Simulation of Complex Network Based on K-index Expansion. , 2021, , .		2
2867	Edge Clustering Coefficient based Label Initialization for Label Propagation Algorithm to Detect Community Structures in Complex Networks. , 2021, , .		0
2868	PRADA-TF: Privacy-Diversity-Aware Online Team Formation. , 2021, , .		0
2869	Altered Structural Covariance of Insula, Cerebellum and Prefrontal Cortex Is Associated with Somatic Symptom Levels in Irritable Bowel Syndrome (IBS). Brain Sciences, 2021, 11, 1580.	1.1	4
2870	An extended improved global structure model for influential node identification in complex networks. Chinese Physics B, 2022, 31, 068904.	0.7	3
2871	A Multilayer Interactome Network Constructed in a Forest Poplar Population Mediates the Pleiotropic Control of Complex Traits. Frontiers in Genetics, 2021, 12, 769688.	1.1	0
2872	Community detection in complex network by network embedding and density clustering. Journal of Intelligent and Fuzzy Systems, 2021, 41, 6273-6284.	0.8	2
2873	Hierarchical <scp>communityâ€discovery</scp> algorithm combining core nodes and <scp>threeâ€order</scp> structure model. Concurrency Computation Practice and Experience, 2022, 34, e6669.	1.4	0
2874	The quasi-universality of nestedness in the structure of quantitative plant-parasite interactions. , 0, 1, .		4
2875	From One ToÂMany: Identifying Issues in CJEU Jurisprudence. Journal of Law and Courts, 0, , .	0.4	0
2876	An empirical investigation of director selection in movie preproduction: A two-sided matching approach. International Journal of Research in Marketing, 2022, 39, 888-906.	2.4	3
2877	Discovering spatial-temporal patterns via complex networks in investigating COVID-19 pandemic in the United States. Sustainable Cities and Society, 2022, 77, 103508.	5.1	16
2878	Identifying influential spreaders in complex networks by an improved gravity model. Scientific Reports, 2021, 11, 22194.	1.6	16
2879	Cluster synchronization of networks via a canonical transformation for simultaneous block diagonalization of matrices. Chaos, 2021, 31, 111102.	1.0	11

#	ARTICLE	IF	CITATIONS
2880	An Improved Louvain Algorithm for Community Detection. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	0.6	11
2881	Topological energy of the distance matrix. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, , 106115.	1.7	3
2882	DPNLP: distance based peripheral nodes label propagation algorithm for community detection in social networks. <i>World Wide Web</i> , 2022, 25, 73-98.	2.7	10
2884	Trends in yeast diversity discovery. <i>Fungal Diversity</i> , 2022, 114, 491-537.	4.7	31
2885	Mining relationships between performance of link prediction algorithms and network structure. <i>Chaos, Solitons and Fractals</i> , 2021, 153, 111485.	2.5	0
2886	Vulnerability of link-weighted complex networks in central attacks and fallback strategy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 590, 126667.	1.2	5
2887	Community Detection Using Semilocal Topological Features and Label Propagation Algorithm. <i>Lecture Notes in Computer Science</i> , 2021, , 255-266.	1.0	0
2889	Migration networks: applications of network analysis to macroscale migration patterns. , 2021, , 70-90.		1
2890	GraphAttacker: A General Multi-Task Graph Attack Framework. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 577-595.	4.1	1
2891	Elementary Subgraph Features for Link Prediction With Neural Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2023, 35, 3822-3831.	4.0	4
2893	Determining maximum cliques for community detection in weighted sparse networks. <i>Knowledge and Information Systems</i> , 2022, 64, 289-324.	2.1	12
2894	Disentangling direct from indirect relationships in association networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	61
2895	Topological analysis of the latent geometry of a complex network. <i>Chaos</i> , 2022, 32, 013116.	1.0	4
2896	Maximizing spreading in complex networks with risk in node activation. <i>Information Sciences</i> , 2022, 586, 1-23.	4.0	9
2897	On hypercomplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 591, 126714.	1.2	0
2898	A likelihood-ratio type test for stochastic block models with bounded degrees. <i>Journal of Statistical Planning and Inference</i> , 2022, 219, 98-119.	0.4	3
2899	Gender Differences in Networking. <i>SSRN Electronic Journal</i> , 0, , .	0.4	14
2900	Enhancing Scientific Collaborations using Community Detection and Document Clustering. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
2901	Clustering in Directed Graph Using the Laplacian Matrices and Their Eigenprojections. , 2020, , .		0
2902	Optimization of Network Disintegration Strategy based on Tabu-Genetic Hybrid Search Algorithm. , 2020, , .		1
2903	Identification of key regulators in parathyroid adenoma using an integrative gene network analysis. Bioinformatics, 2020, 16, 910-922.	0.2	3
2904	Independent Worker Selection In Crowdsourcing. , 2020, , .		0
2905	Topology Prediction and Structural Controllability Analysis of Complex Networks Without Connection Information. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6015-6027.	5.9	5
2906	On the Similarity Between von Neumann Graph Entropy and Structural Information: Interpretation, Computation, and Applications. IEEE Transactions on Information Theory, 2022, 68, 2182-2202.	1.5	7
2907	Seasonal temperature regulates network connectivity of salmon louse. ICES Journal of Marine Science, 2022, 79, 1075-1082.	1.2	4
2908	Optimal proactive monitor placement & scheduling for IoT networks. Journal of the Operational Research Society, 2022, 73, 2431-2450.	2.1	2
2909	Fruit fly phylogeny imprints bacterial gut microbiota. Evolutionary Applications, 2022, 15, 1621-1638.	1.5	5
2911	Community discovery algorithm of complex network attention model. International Journal of Machine Learning and Cybernetics, 0, , 1.	2.3	4
2912	Co-evolution of Opinion and Social Tie Dynamics Towards Structural Balance. , 2022, , 3362-3388.		0
2913	Local community detection with hints. Applied Intelligence, 2022, 52, 9599-9620.	3.3	5
2914	Protein complexes detection based on node local properties and gene expression in PPI weighted networks. BMC Bioinformatics, 2022, 23, 24.	1.2	5
2917	Identification of key regulators in Sarcoidosis through multidimensional systems biological approach. Scientific Reports, 2022, 12, 1236.	1.6	4
2918	A novel memorizing single chromosome evolutionary algorithm for detecting communities in complex networks. Computing (Vienna/New York), 2022, 104, 1099-1122.	3.2	1
2919	A fast community detection algorithm using a local and multi-level label diffusion method in social networks. International Journal of General Systems, 2022, 51, 352-385.	1.2	4
2920	Biophysical models of dispersal contribute to seascape genetic analyses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210024.	1.8	28
2921	A model of random industrial SAT. Theoretical Computer Science, 2022, , .	0.5	0

#	ARTICLE	IF	CITATIONS
2922	A Bayesian Allocation Model Based Approach to Mixed Membership Stochastic Blockmodels. <i>Applied Artificial Intelligence</i> , 2022, 36, .	2.0	0
2923	The immunoregulatory landscape of human tuberculosis granulomas. <i>Nature Immunology</i> , 2022, 23, 318-329.	7.0	110
2924	Novel Resistive Distance Descriptors on Complex Network. <i>IEEE Access</i> , 2022, 10, 14548-14563.	2.6	1
2925	Modularity maximization to design contiguous policy zones for pandemic response. <i>European Journal of Operational Research</i> , 2023, 304, 99-112.	3.5	8
2926	Study on Power Grid Partition and Attack Strategies Based on Complex Networks. <i>Frontiers in Physics</i> , 2022, 9, .	1.0	3
2927	Disentangling Homophily, Community Structure, and Triadic Closure in Networks. <i>Physical Review X</i> , 2022, 12, .	2.8	15
2928	Divide-and-Conquer Methods for Functions of Matrices with Banded or Hierarchical Low-Rank Structure. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2022, 43, 151-177.	0.7	2
2929	Perturbation of the Normalized Laplacian Matrix for the Prediction of Missing Links in Real Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 863-874.	4.1	4
2930	A local mean-based distance measure for spectral clustering. <i>Pattern Analysis and Applications</i> , 2022, 25, 351-359.	3.1	2
2931	Label propagation algorithm for community detection based on Coulomb's law. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 593, 126881.	1.2	10
2932	Community detection via network node vector label propagation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 593, 126931.	1.2	7
2933	Optimizing EEG Source Reconstruction with Concurrent fMRI-Derived Spatial Priors. <i>Brain Topography</i> , 2022, 35, 282-301.	0.8	2
2936	Local Community Detection Algorithm Based on Alternating Strategy of Strong Fusion and Weak Fusion. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 818-831.	6.2	6
2937	Look-Up and Look-Down Neurons in the Mouse Visual Thalamus During Freely Moving Exploration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2939	Continuous Encoding for Overlapping Community Detection in Attributed Network. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 5469-5482.	6.2	4
2940	Selecting Graph Metrics with Ecological Significance for Deepening Landscape Characterization: Review and Applications. <i>Land</i> , 2022, 11, 338.	1.2	0
2941	Exploring Mechanisms of Allosteric Regulation and Communication Switching in the Multiprotein Regulatory Complexes of the Hsp90 Chaperone with Cochaperones and Client Proteins: Atomistic Insights from Integrative Biophysical Modeling and Network Analysis of Conformational Landscapes. <i>Journal of Molecular Biology</i> , 2022, 434, 167506.	2.0	9
2942	Multi-source detection based on neighborhood entropy in social networks. <i>Scientific Reports</i> , 2022, 12, 5467.	1.6	3

#	ARTICLE	IF	CITATIONS
2943	The Synergism between Methanogens and Methanotrophs and the Nature of their Contributions to the Seasonal Variation of Methane Fluxes in a Wetland: The Case of Dajihu Subalpine Peatland. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 1375-1385.	1.9	4
2944	Critical nodes identification in complex networks via similarity coefficient. <i>Modern Physics Letters B</i> , 2022, 36, .	1.0	6
2945	Correlation Clustering. <i>Synthesis Lectures on Data Mining and Knowledge Discovery</i> , 2022, 12, 1-149.	0.5	2
2946	iNAP: An integrated network analysis pipeline for microbiome studies. , 2022, 1, .		126
2947	Coincidence complex networks. <i>Journal of Physics Complexity</i> , 2022, 3, 015012.	0.9	12
2948	An interaction-based method for detecting overlapping community structure in real-world networks. <i>International Journal of Data Science and Analytics</i> , 0, , 1.	2.4	1
2949	An improved cuckoo search optimization algorithm with genetic algorithm for community detection in complex networks. <i>Multimedia Tools and Applications</i> , 2022, 81, 25205-25231.	2.6	57
2950	Analysis and construction by convolution neural network of link prediction model on social network. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, , 1-12.	0.8	0
2951	Preserving the topological properties of complex networks in network sampling. <i>Chaos</i> , 2022, 32, 033122.	1.0	1
2952	Increased Excursions to Functional Networks in Schizophrenia in the Absence of Task. <i>Frontiers in Neuroscience</i> , 2022, 16, 821179.	1.4	17
2953	Link prediction in weighted networks via motif predictor. <i>Knowledge-Based Systems</i> , 2022, 242, 108402.	4.0	4
2954	Mapping the complexity of political ideology using emergent networks: the Chilean case. <i>Applied Network Science</i> , 2022, 7, .	0.8	0
2955	A novel approach to estimated Boulingand-Minkowski fractal dimension from complex networks. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111894.	2.5	4
2956	Information diffusion-aware likelihood maximization optimization for community detection. <i>Information Sciences</i> , 2022, 602, 86-105.	4.0	4
2957	Landscape-Based Protein Stability Analysis and Network Modeling of Multiple Conformational States of the SARS-CoV-2 Spike D614G Mutant: Conformational Plasticity and Frustration-Induced Allostery as Energetic Drivers of Highly Transmissible Spike Variants. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 1956-1978.	2.5	5
2958	Can you hold an advantageous network position? The role of neighborhood similarity in the sustainability of structural holes in social networks. <i>Decision Support Systems</i> , 2022, 158, 113783.	3.5	2
2959	Comparing proteinâ€“protein interaction networks of SARS-CoV-2 and (H1N1) influenza using topological features. <i>Scientific Reports</i> , 2022, 12, 5867.	1.6	6
2960	Vertex Nomination Between Graphs via Spectral Embedding and Quadratic Programming. <i>Journal of Computational and Graphical Statistics</i> , 2022, 31, 1254-1268.	0.9	0

#	ARTICLE	IF	CITATIONS
2961	A novel semi local measure of identifying influential nodes in complex networks. Chaos, Solitons and Fractals, 2022, 158, 112037.	2.5	9
2962	An interdisciplinary computational model for predicting traumatic brain injury: Linking biomechanics and functional neural networks. NeuroImage, 2022, 251, 119002.	2.1	5
2963	Community detection for access-control decisions: Analysing the role of homophily and information diffusion in Online Social Networks. Online Social Networks and Media, 2022, 29, 100203.	2.3	1
2964	DeMal: Module decomposition of malware based on community discovery. Computers and Security, 2022, 117, 102680.	4.0	1
2965	The biogeochemical responses of hyporheic groundwater to the long-run managed aquifer recharge: Linking microbial communities to hydrochemistry and micropollutants. Journal of Hazardous Materials, 2022, 431, 128587.	6.5	16
2966	CDGE –A Community Detection Algorithm Based On Graph Embedding. , 2021, , .		0
2967	Identification of Gene Modules and Key Genes Associated with Atrial Fibrillation Based on Gene Co-expression Network Analysis. , 2021, , .		0
2968	Fake news and COVID-19 vaccination. , 2021, , .		0
2969	Interaction Communities in Blockchain Online Social Media. , 2021, , .		4
2970	Exploring Web-Based Twitter Conversations Surrounding National Healthcare Decisions Day and Advance Care Planning From a Sociocultural Perspective: Computational Mixed Methods Analysis. JMIR Formative Research, 2022, 6, e35795.	0.7	6
2972	The modularity of random graphs on the hyperbolic plane. Journal of Complex Networks, 2021, 10, .	1.1	4
2973	Multi-agent coverage control based on improved community discovery algorithm. , 2021, , .		0
2975	Spectral detection of simplicial communities via Hodge Laplacians. Physical Review E, 2021, 104, 064303.	0.8	12
2976	Characterizing cycle structure in complex networks. Communications Physics, 2021, 4, .	2.0	34
2977	Identification of Key Nodes in Complex Networks. , 2021, , .		2
2978	A Community-Based Method for Identifying Influential Nodes using Network Embedding. , 2021, , .		2
2980	Reconstructing social networks of Late Glacial and Holocene hunter-gatherers to understand cultural evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200318.	1.8	6
2981	One Node at a Time: Node-Level Network Classification. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
2982	Finding Important Edges in Networks through Local Information. , 2021, , .		2
2983	Feature fusion graph attention network for link prediction. , 2021, , .		0
2984	Machine and Deep Learning Algorithms and Applications. Synthesis Lectures on Signal Processing, 2021, 12, 1-123.	0.3	1
2985	Cyber Insurance Ratemaking: A Graph Mining Approach. Risks, 2021, 9, 224.	1.3	6
2986	Hierarchical Cooperative Social Spider Algorithm for Community Detection in Large Network. , 2021, , .		0
2987	Research on Dynamic Community Detection Method Based on an Improved Pity Beetle Algorithm. IEEE Access, 2022, 10, 43914-43933.	2.6	4
2988	Computer Simulations and Network-Based Profiling of Binding and Allosteric Interactions of SARS-CoV-2 Spike Variant Complexes and the Host Receptor: Dissecting the Mechanistic Effects of the Delta and Omicron Mutations. International Journal of Molecular Sciences, 2022, 23, 4376.	1.8	16
2989	Ranking of Search Requests in the Digital Information Retrieval System Based on Dynamic Neural Networks. Complexity, 2022, 2022, 1-16.	0.9	1
2990	Clustering as a dual problem to colouring. Computational and Applied Mathematics, 2022, 41, 1.	1.0	0
2991	Degree correlations in graphs with clique clustering. Physical Review E, 2022, 105, 044314.	0.8	2
2992	Detecting implicit cross-communities to which an active user belongs. PLoS ONE, 2022, 17, e0264771.	1.1	0
2993	A complex network community detection algorithm based on random walk and label propagation. Transactions on Emerging Telecommunications Technologies, 0, , .	2.6	1
2994	BC_{DCN} : a new edge centrality measure to identify and rank critical edges pertaining to SIR diffusion in complex networks. Social Network Analysis and Mining, 2022, 12, 1.	1.9	4
2995	Brain Functional Connectivity Asymmetry: Left Hemisphere Is More Modular. Symmetry, 2022, 14, 833.	1.1	3
2996	Quadratic Optimization based Clique Expansion for overlapping community detection. Knowledge-Based Systems, 2022, 247, 108760.	4.0	5
2997	Vertex centrality of complex networks based on joint nonnegative matrix factorization and graph embedding. Chinese Physics B, 0, , .	0.7	0
2998	Finding the right partners? Examining inequalities in the global investment landscape of hydropower. Global Environmental Change, 2022, 74, 102518.	3.6	6
3035	Graph Mining Techniques for Networking Applications. , 0, , 42-62.		0

#	ARTICLE	IF	CITATIONS
3038	Multiple Support Recovery Using Very Few Measurements Per Sample. IEEE Transactions on Signal Processing, 2022, 70, 2193-2206.	3.2	3
3039	Deep graph clustering with enhanced feature representations for community detection. Applied Intelligence, 2023, 53, 1336-1349.	3.3	2
3040	Flow stability for dynamic community detection. Science Advances, 2022, 8, eabj3063.	4.7	5
3041	Link prediction for existing links in dynamic networks based on the attraction force. Chaos, Solitons and Fractals, 2022, 159, 112120.	2.5	1
3042	Adaptation of soil micro-food web to elemental limitation: evidence from the forest-steppe ecotone. Soil Biology and Biochemistry, 2022, 170, 108698.	4.2	17
3043	Dynamic trajectories of connectome state transitions are heritable. NeuroImage, 2022, 256, 119274.	2.1	2
3044	A new approach for evaluating node importance in complex networks via deep learning methods. Neurocomputing, 2022, 497, 13-27.	3.5	16
3045	Node importance ranking method in complex network based on gravity method. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 176401.	0.2	4
3046	The Network Structure of Occupations: Fragmentation, Differentiation, and Contagion. American Journal of Sociology, 2022, 127, 1551-1601.	0.3	4
3047	Distinctive functional regime of endogenous lncRNAs in dark regions of human genome. Computational and Structural Biotechnology Journal, 2022, 20, 2381-2390.	1.9	1
3048	SpecRp: A spectral-based community embedding algorithm. Machine Learning With Applications, 2022, 9, 100326.	3.0	1
3049	Estimating the number of communities by spectral methods. Electronic Journal of Statistics, 2022, 16, .	0.4	13
3051	Tracking Transfer of Carbon Dioxide Emissions to Countries along the Silk Roads Through Global Value Chains. Chinese Geographical Science, 0, , .	1.2	2
3052	An improved two-stage label propagation algorithm based on LeaderRank. PeerJ Computer Science, 0, 8, e981.	2.7	2
3053	Systematic assessment of the quality of fit of the stochastic block model for empirical networks. Physical Review E, 2022, 105, .	0.8	3
3054	A Mapping of the Twentieth-Century Urban Geography in North America Using Written Narratives and Network Analysis. Professional Geographer, 0, , 1-20.	1.0	0
3057	Assessing Social Movements in the Digital Age: Participation, Interaction and Empowerment in the Context of the #Metoo Mobilisation. SSRN Electronic Journal, 0, , .	0.4	0
3058	Influential Factors of Intercity Patient Mobility and its Network Structure in China. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
3060	Anti-Risk Ability of Government Purchasing Elderly Care Services under the Coordination of Complex Network and GERT. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-14.	0.6	0
3062	A hybrid trust model based on communication and social trust for vehicular social networks. <i>International Journal of Distributed Sensor Networks</i> , 2022, 18, 155013292210975.	1.3	7
3063	A network analysis to identify lung cancer comorbid diseases. <i>Applied Network Science</i> , 2022, 7, .	0.8	6
3065	Vulnerability assessment of urban road traffic systems based on traffic flow. <i>International Journal of Critical Infrastructure Protection</i> , 2022, 38, 100536.	2.9	14
3067	A Spin-Glass Model for Semi-Supervised Community Detection. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2012, 26, 900-906.	3.6	20
3068	A FastMap-Based Algorithm for Block Modeling. <i>Lecture Notes in Computer Science</i> , 2022, , 232-248.	1.0	3
3069	Privacy-Preserving Analytics on Decentralized Social Graphs: The Case of Eigendecomposition. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-15.	4.0	7
3070	Landscape Correspondence of Empirical and Population Risks in the Eigendecomposition Problem. <i>IEEE Transactions on Signal Processing</i> , 2022, 70, 2985-2999.	3.2	0
3074	Hashtag activism in a politicized pandemic: Framing the campaign to include Taiwan in the World Health Organization's efforts to combat COVID-19. <i>New Media and Society</i> , 0, , 146144482210991.	3.1	5
3075	Maximum Entropy Approach to Massive Graph Spectrum Learning with Applications. <i>Algorithms</i> , 2022, 15, 209.	1.2	0
3076	Identifying influential spreaders by gravity model considering multi-characteristics of nodes. <i>Scientific Reports</i> , 2022, 12, .	1.6	17
3077	Temporal knowledge graph representation learning with local and global evolutions. <i>Knowledge-Based Systems</i> , 2022, 251, 109234.	4.0	12
3078	Differentiated graph regularized non-negative matrix factorization for semi-supervised community detection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127692.	1.2	4
3079	Importance of Numerical Implementation and Clustering Analysis in Force-Directed Algorithms for Accurate Community Detection. <i>Applied Mathematics and Computation</i> , 2022, 431, 127310.	1.4	0
3080	Community detection using Local Group Assimilation. <i>Expert Systems With Applications</i> , 2022, 206, 117794.	4.4	1
3081	A neighbour-similarity based community discovery algorithm. <i>Expert Systems With Applications</i> , 2022, 206, 117822.	4.4	4
3082	Semi-global triangular centrality measure for identifying the influential spreaders from undirected complex networks. <i>Expert Systems With Applications</i> , 2022, 206, 117791.	4.4	17
3084	Target Netgrams: An Annulus-Constrained Stress Model for Radial Graph Visualization. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2022, , 1-13.	2.9	0

#	ARTICLE	IF	CITATIONS
3086	Dimension reduction of dynamical systems on networks with leading and non-leading eigenvectors of adjacency matrices. <i>Physical Review Research</i> , 2022, 4, .	1.3	5
3087	Quantum computing and artificial neural network for classification and time series prediction. , 2022, , .		1
3088	Inferring functional communities from partially observed biological networks exploiting geometric topology and side information. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
3089	A Flow-Based Node Dominance Centrality Measure for Complex Networks. <i>SN Computer Science</i> , 2022, 3, .	2.3	1
3090	Link prediction algorithm based on the initial information contribution of nodes. <i>Information Sciences</i> , 2022, 608, 1591-1616.	4.0	11
3091	Explainability in Graph Data Science: Interpretability, replicability, and reproducibility of community detection. <i>IEEE Signal Processing Magazine</i> , 2022, 39, 25-39.	4.6	0
3092	Metastability, fractal scaling, and synergistic information processing: What phase relationships reveal about intrinsic brain activity. <i>NeuroImage</i> , 2022, 259, 119433.	2.1	14
3093	Community Preserving Network Embedding. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2017, 31, .	3.6	410
3094	Lagrangian Constrained Community Detection. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2018, 32, .	3.6	6
3095	Topological descriptors and Laplace spectra in simple hydrogen bonded systems. <i>Journal of Molecular Liquids</i> , 2022, 363, 119860.	2.3	2
3097	Systematic Literature Review of Detecting Topics and Communities in Social Networks. <i>BiliÅYim Teknolojileri Dergisi</i> , 2022, 15, 317-329.	0.2	1
3098	Modular Analysis on Increasing Chinese Economy Based on Complex Network. , 2022, , .		0
3099	On rough set based fuzzy clustering for graph data. <i>International Journal of Machine Learning and Cybernetics</i> , 2022, 13, 3463-3490.	2.3	2
3100	Weighted enclosing subgraph-based link prediction for complex network. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2022, 2022, .	1.5	1
3101	Conformational Dynamics and Mechanisms of Client Protein Integration into the Hsp90 Chaperone Controlled by Allosteric Interactions of Regulatory Switches: Perturbation-Based Network Approach for Mutational Profiling of the Hsp90 Binding and Allostery. <i>Journal of Physical Chemistry B</i> , 2022, 126, 5421-5442.	1.2	2
3102	Contribution of directedness in graph spectra. <i>Physical Review Research</i> , 2022, 4, .	1.3	0
3103	Convergence, divergence, and macroevolutionary constraint as revealed by anatomical network analysis of the squamate skull, with an emphasis on snakes. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3104	Evaluation of community vulnerability based on communicability and structural dissimilarity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 128079.	1.2	1

#	ARTICLE	IF	CITATIONS
3105	Application of CCTV Methodology to Analyze COVID-19 Evolution in Italy. <i>BioTech</i> , 2022, 11, 33.	1.3	1
3106	Look-up and look-down neurons in the mouse visual thalamus during freely moving exploration. <i>Current Biology</i> , 2022, 32, 3987-3999.e4.	1.8	5
3107	Cascading effects of habitat loss on ectoparasite-associated bacterial microbiomes. <i>ISME Communications</i> , 2022, 2, .	1.7	5
3108	Core-periphery Partitioning and Quantum Annealing. , 2022, , .		2
3109	The genetic history of the Southern Arc: A bridge between West Asia and Europe. <i>Science</i> , 2022, 377, .	6.0	31
3110	An improved voterank algorithm to identifying a set of influential spreaders in complex networks. <i>Frontiers in Physics</i> , 0, 10, .	1.0	1
3111	Microbiome and Metabolome Analyses in Different Closed-Circulation Aquarium Systems and Their Network Visualization. <i>ACS Omega</i> , 2022, 7, 30399-30404.	1.6	3
3112	Identification of influential nodes in complex networks: A local degree dimension approach. <i>Information Sciences</i> , 2022, 610, 994-1009.	4.0	24
3113	A Hadamard walk model and its application in identification of important edges in complex networks. <i>Computer Communications</i> , 2022, 193, 378-387.	3.1	6
3114	Unfolding the evolution of carbon inequality embodied in inter-provincial trade of China: Network perspective analysis. <i>Environmental Impact Assessment Review</i> , 2022, 97, 106884.	4.4	20
3115	Evidential link prediction by exploiting the applicability of similarity indexes to nodes. <i>Expert Systems With Applications</i> , 2022, 210, 118397.	4.4	4
3116	Community Search over Big Graphs. <i>Synthesis Lectures on Data Management</i> , 2019, , .	0.6	10
3117	Degree-corrected distribution-free model for community detection in weighted networks. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3118	Connectivity alterations underlying the breakdown of pseudoneglect: New insights from healthy and pathological aging. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	2
3119	Eigen Vector Centrality (EVC) Routing for Delay Tolerant Networks: A Time Associated Matrix-Based Approach. <i>Wireless Personal Communications</i> , 2023, 128, 1217-1233.	1.8	1
3120	Community detection in attributed collaboration network for statisticians. <i>Stat</i> , 2023, 12, .	0.3	1
3121	Liming shifts the chemical properties and microbial community structures of peanut soils with different initial pH values. <i>Applied Soil Ecology</i> , 2023, 181, 104665.	2.1	3
3122	EEG-based multi-frequency band functional connectivity analysis and the application of spatio-temporal features in emotion recognition. <i>Biomedical Signal Processing and Control</i> , 2023, 79, 104157.	3.5	12

#	ARTICLE	IF	CITATIONS
3123	Influential factors of intercity patient mobility and its network structure in China. <i>Cities</i> , 2023, 132, 103975.	2.7	12
3124	Hierarchical Graph Neural Network Based-on Semi-implicit Variational Inference. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2022, , 1-1.	2.6	0
3125	Is Megamerger Better?â€‘Based on the Link Prediction Perspective. <i>IEEE Access</i> , 2022, 10, 79805-79814.	2.6	1
3126	Model for Generating Scale-Free Artificial Social Networks Using Small-World Networks. <i>Computers, Materials and Continua</i> , 2022, 73, 6367-6391.	1.5	1
3127	Supervised Learning Using Community Detection forÂLink Prediction. <i>Lecture Notes in Networks and Systems</i> , 2022, , 85-94.	0.5	1
3128	Community Detection via Autoencoder-Like Nonnegative Tensor Decomposition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2024, 35, 4179-4191.	7.2	3
3129	Unsupervised Hierarchical Semantic Segmentation with Multiview Cosegmentation and Clustering Transformers. , 2022, , .		10
3130	Key Nodes Mining in Complex Networks Based on Improved Pagerank Algorithm. , 2022, , .		0
3131	Research on the Vulnerability of Government Procurement of Elderly Care Services: A Complex Network Perspective. <i>Complexity</i> , 2022, 2022, 1-15.	0.9	2
3132	Mean-field theory for double-well systems on degree-heterogeneous networks. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2022, 478, .	1.0	6
3133	Exposure theory for learning complex networks with random walks. <i>Journal of Complex Networks</i> , 2022, 10, .	1.1	0
3134	Identifying spreading influence nodes for social networks. <i>Frontiers of Engineering Management</i> , 2022, 9, 520-549.	3.3	10
3135	Estimating the number of communities in the stochastic block model with outliers. <i>Journal of Complex Networks</i> , 2022, 10, .	1.1	0
3137	Divergences Between Resting State Networks and Meta-Analytic Maps Of Task-Evoked Brain Activity. <i>Open Neuroimaging Journal</i> , 2022, 15, .	0.2	0
3138	Recommendation system using a deep learning and graph analysis approach. <i>Computational Intelligence</i> , 0, , .	2.1	3
3140	Social network heterogeneity benefits individuals at the expense of groups in the creation of innovation. <i>Journal of Physics Complexity</i> , 2022, 3, 045002.	0.9	1
3141	Community detection in complex networks using stacked autoencoders and crow search algorithm. <i>Journal of Supercomputing</i> , 2023, 79, 3329-3356.	2.4	11
3143	Probing Mechanisms of Binding and Allostery in the SARS-CoV-2 Spike Omicron Variant Complexes with the Host Receptor: Revealing Functional Roles of the Binding Hotspots in Mediating Epistatic Effects and Communication with Allosteric Pockets. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11542.	1.8	15

#	ARTICLE	IF	CITATIONS
3144	Climate warming restructures seasonal dynamics of grassland soil microbial communities. , 2022, 1, 245-256.		5
3145	Missing nodes detection for complex networks based on graph convolutional networks. Journal of Ambient Intelligence and Humanized Computing, 0, , .	3.3	0
3146	Influence maximization based on network representation learning in social network. Intelligent Data Analysis, 2022, 26, 1321-1340.	0.4	1
3147	Towards Recommender Systems with Community Detection and Quantum Computing. , 2022, , .		2
3148	Graph neural network inspired algorithm for unsupervised network community detection. Applied Network Science, 2022, 7, .	0.8	4
3149	Functional network alterations in young brain tumor patients with radiotherapy-induced memory impairments and vascular injury. Frontiers in Neurology, 0, 13, .	1.1	3
3150	On network backbone extraction for modeling online collective behavior. PLoS ONE, 2022, 17, e0274218.	1.1	4
3151	On The Reduction of Instability of Label Propagation Algorithm. International Journal of Modern Physics C, 0, , .	0.8	0
3152	Community Detection on Proximity Networks. Lecture Notes in Electrical Engineering, 2023, , 33-47.	0.3	0
3153	Simplicial epidemic model with birth and death. Chaos, 2022, 32, .	1.0	6
3154	Complex networks for community detection of basketball players. Annals of Operations Research, 2023, 325, 363-389.	2.6	2
3155	Structural importance and evolution: An application to financial transaction networks. Physica A: Statistical Mechanics and Its Applications, 2022, 607, 128203.	1.2	1
3156	Deep manifold embedding of attributed graphs. Neurocomputing, 2022, 514, 83-93.	3.5	0
3157	Large-Scale Community Detection on YouTube for Topic Discovery and Exploration. Proceedings of the International AAAI Conference on Weblogs and Social Media, 2011, 5, 486-489.	1.5	21
3158	Identifying the Top- k Influential Spreaders in Social Networks: a Survey and Experimental Evaluation. IEEE Access, 2022, 10, 107809-107845.	2.6	2
3159	Local Community Detection: A Survey. IEEE Access, 2022, 10, 110701-110726.	2.6	5
3160	Network Immunization Strategy by Eliminating Fringe Nodes: A Percolation Perspective. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 1862-1871.	5.9	2
3161	Identifying accurate link predictors based on assortativity of complex networks. Scientific Reports, 2022, 12, .	1.6	1

#	ARTICLE	IF	CITATIONS
3162	Link prediction based on collaborative filtering. , 2022, , .		0
3163	Application of a maximal-clique based community detection algorithm to gut microbiome data reveals driver microbes during influenza A virus infection. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
3164	Watching the Whole World: The Media Framing of Foreign Countries in US News and its Antecedents. <i>Journalism Studies</i> , 0, , 1-21.	1.2	0
3165	Disentangling Decentralized Finance (DeFi) Compositions. <i>ACM Transactions on the Web</i> , 2023, 17, 1-26.	2.0	10
3166	A unified framework for analyzing complex systems: Juxtaposing the (Kernel) PCA method and graph theory. <i>Frontiers in Applied Mathematics and Statistics</i> , 0, 8, .	0.7	1
3167	Network polarization, filter bubbles, and echo chambers: an annotated review of measures and reduction methods. <i>International Transactions in Operational Research</i> , 2023, 30, 3122-3158.	1.8	6
3169	A Simplified Quantum Walk Model for Predicting Missing Links of Complex Networks. <i>Entropy</i> , 2022, 24, 1547.	1.1	1
3170	A novel method to identify influential nodes in complex networks based on gravity centrality. <i>Information Sciences</i> , 2022, 618, 98-117.	4.0	15
3171	Machine learning prediction of network dynamics with privacy protection. <i>Physical Review Research</i> , 2022, 4, .	1.3	2
3172	Modified Modularity Density Maximization and Density Ratio Heuristic. <i>Computers and Operations Research</i> , 2022, , 106072.	2.4	0
3173	Binarized network embedding with community structural information. <i>Information Sciences</i> , 2022, 616, 204-216.	4.0	1
3174	Power network uniqueness and synchronization stability from a higher-order structure perspective. <i>Physica D: Nonlinear Phenomena</i> , 2023, 443, 133557.	1.3	1
3175	Detecting Fake News on Social Media. <i>Synthesis Lectures on Data Mining and Knowledge Discovery</i> , 2019, , .	0.5	34
3176	Community Deception in Attributed Networks. <i>IEEE Transactions on Computational Social Systems</i> , 2024, 11, 228-237.	3.2	1
3177	From "In" to "Over": Behavioral Experiments on Whole-Network Computation. , 0, 3, 52-61.		2
3178	Soil microbial communities and their co-occurrence networks in response to long-term Pb&Zn contaminated soil in southern China. <i>Environmental Science and Pollution Research</i> , 0, , .	2.7	0
3179	Thinking processes in code.org: A relational analysis approach to computational thinking. <i>Computer Science Education</i> , 0, , 1-22.	2.7	0
3180	Identification of protein profile in metacyclic and amastigote-like stages of <i>Leishmania tropica</i> : a proteomic approach. <i>AMB Express</i> , 2022, 12, .	1.4	2

#	ARTICLE	IF	CITATIONS
3181	Test-retest reliability of time-varying patterns of brain activity across single band and multiband resting-state functional magnetic resonance imaging in healthy older adults. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	3
3182	VSGs Expressed during Natural <i>T. b. gambiense</i> Infection Exhibit Extensive Sequence Divergence and a Subspecies-Specific Bias towards Type B N-Terminal Domains. <i>MBio</i> , 2022, 13, .	1.8	3
3184	<i>Networks: Structure and Dynamics.</i> , 2009, , 575-597.		0
3185	Network community detection and clustering with random walks. <i>Physical Review Research</i> , 2022, 4, .	1.3	3
3187	Response of bacterial communities to shrub encroachment and forage planting in alpine grassland of the Qinghai-Tibetan Plateau. <i>Ecological Engineering</i> , 2023, 186, 106837.	1.6	1
3189	One-Hot Graph Encoder Embedding. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2023, 45, 7933-7938.	9.7	5
3190	Network Topology to Predict Bibliometrics Indices: A Case Study. <i>Lecture Notes in Computer Science</i> , 2022, , 166-180.	1.0	0
3191	Exploring the topological characteristics of urban trip networks based on taxi trajectory data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 609, 128391.	1.2	3
3192	Identification of node centrality based on Laplacian energy of networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 609, 128353.	1.2	5
3193	Importance evaluation method of complex network nodes based on information entropy and iteration factor. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2023, 72, 048901.	0.2	1
3194	A sentiment analysis-based two-stage consensus model of large-scale group with core-periphery structure. <i>Information Sciences</i> , 2023, 622, 808-841.	4.0	5
3195	Community Structure in the Boards Network of Enterprises on Polish Capital Market. <i>Przeegląd Statystyczny</i> , 2015, 62, 183-197.	0.1	0
3196	A Generalized Configuration Model With Triadic Closure. <i>IEEE Transactions on Network Science and Engineering</i> , 2023, 10, 754-765.	4.1	1
3197	Detection of Free-Standing Conversational Groups with Graph Convolutional Networks. , 2022, , .		0
3198	BiaScope: Visual Unfairness Diagnosis for Graph Embeddings. , 2022, , .		1
3199	Social network analytics and visualization: Dynamic topic-based influence analysis in evolving microblogs. <i>Expert Systems</i> , 2023, 40, .	2.9	3
3200	TRIAC Treatment Improves Impaired Brain Network Function and White Matter Loss in Thyroid Hormone Transporter <i>Mct8/Oatp1c1</i> Deficient Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15547.	1.8	5
3201	Community structure detection in networks based on Tabu search. <i>Journal of Control and Decision</i> , 0, , 1-11.	0.7	0

#	ARTICLE	IF	CITATIONS
3202	Disjoint multipath closeness centrality. Computing (Vienna/New York), 2023, 105, 1271-1294.	3.2	2
3203	Application of machine learning and complex network measures to an EEG dataset from ayahuasca experiments. PLoS ONE, 2022, 17, e0277257.	1.1	3
3204	Attributed Graph Embedding Based on Attention with Cluster. Mathematics, 2022, 10, 4563.	1.1	2
3205	Network Centrality and Modularity of Structural Covariance Networks in Posttraumatic Stress Disorder: A Multisite ENIGMA-PGC Study. Brain Connectivity, 0, , .	0.8	0
3206	Density and node closeness based clustering method for community detection. Journal of Intelligent and Fuzzy Systems, 2022, , 1-14.	0.8	0
3207	Graph Analysis with Multifunctional Self-Rectifying Memristive Crossbar Array. Advanced Materials, 2023, 35, .	11.1	6
3208	Riddles of Lost City: Chemotrophic Prokaryotes Drives Carbon, Sulfur, and Nitrogen Cycling at an Extinct Cold Seep, South China Sea. Microbiology Spectrum, 2023, 11, .	1.2	3
3209	Modularity, balance, and frustration in student social networks: The role of negative relationships in communities. PLoS ONE, 2022, 17, e0278647.	1.1	0
3210	A spectral method to detect community structure based on Coulomb's matrix. Social Network Analysis and Mining, 2023, 13, .	1.9	0
3211	Oppression by omission: An analysis of the #WhereIsTheInterpreter hashtag campaign around COVID-19 on Twitter. Media, Culture and Society, 2023, 45, 769-784.	1.9	2
3212	Community detection in large-scale real-world networks. Advances in Computers, 2021, , .	1.2	0
3213	An improved label propagation algorithm based on community core node and label importance for community detection in sparse network. Applied Intelligence, 2023, 53, 17935-17951.	3.3	1
3214	Supplementary Influence Maximization Problem in Social Networks. IEEE Transactions on Computational Social Systems, 2024, 11, 986-996.	3.2	1
3215	PAGroup: Privacy-aware grouping framework for high-performance federated learning. Journal of Parallel and Distributed Computing, 2023, 175, 37-50.	2.7	3
3216	Scaling of ant colony interaction networks. Frontiers in Ecology and Evolution, 0, 10, .	1.1	0
3217	AC2CD: An actor-critic architecture for community detection in dynamic social networks. Knowledge-Based Systems, 2023, 261, 110202.	4.0	9
3218	Tracing production carbon emission transfer through global value chains: Towards a top gainer principle. Science of the Total Environment, 2023, 866, 161316.	3.9	7
3219	Dynamic community detection considering daily rhythms of human mobility. Travel Behaviour & Society, 2023, 31, 209-222.	2.4	6

#	ARTICLE	IF	CITATIONS
3220	A method for task network partition with limited community number. , 2022, , .		0
3221	NetAct: a computational platform to construct core transcription factor regulatory networks using gene activity. Genome Biology, 2022, 23, .	3.8	12
3222	Ten-tier and multi-scale supply chain network analysis of medical equipment: random failure & intelligent attack analysis. International Journal of Production Research, 2023, 61, 8468-8492.	4.9	1
3223	Community-enhanced Link Prediction in Dynamic Networks. ACM Transactions on the Web, 2024, 18, 1-32.	2.0	2
3224	Obfuscating Community Structure in Complex Network With Evolutionary Divide-and-Conquer Strategy. IEEE Transactions on Evolutionary Computation, 2023, 27, 1926-1940.	7.5	6
3225	Key Node Identification Based on Vulnerability Life Cycle and the Importance of Network Topology. International Journal of Digital Crime and Forensics, 2023, 15, 1-16.	0.5	0
3226	Cohesion and segregation in the value migration network: Evidence from network partitioning based on sector classification and clustering. Social Network Analysis and Mining, 2023, 13, .	1.9	0
3227	Robustness and Sensitivity of Network-Based Topic Detection. Studies in Computational Intelligence, 2023, , 259-270.	0.7	0
3228	A novel discrete ICO algorithm for influence maximization in complex networks. Computing (Vienna/New York), 2023, 105, 1523-1546.	3.2	1
3229	A mechanics model based on information entropy for identifying influencers in complex networks. Applied Intelligence, 2023, 53, 18450-18469.	3.3	2
3230	KO: Modularity optimization in community detection. Neural Computing and Applications, 2023, 35, 11073-11087.	3.2	2
3231	Discovering Entities Similarities in Biological Networks Using a Hybrid Immune Algorithm. Informatics, 2023, 10, 18.	2.4	0
3232	Link Prediction of Complex Networks Based on Local Path and Closeness Centrality. Lecture Notes in Computer Science, 2023, , 51-63.	1.0	0
3233	A Four-Stage Algorithm for Community Detection Based on Label Propagation and Game Theory in Social Networks. AI, 2023, 4, 255-269.	2.1	2
3235	Universal versus system-specific features of punctuation usage patterns in major Western languages. Chaos, Solitons and Fractals, 2023, 168, 113183.	2.5	2
3236	MultiSimNeNc: A network representation learning-based module identification method by network embedding and clustering. Computers in Biology and Medicine, 2023, 156, 106703.	3.9	0
3237	Sequential locality of graphs and its hypothesis testing. Physical Review Research, 2023, 5, .	1.3	1
3238	A new link prediction method to alleviate the cold-start problem based on extending common neighbor and degree centrality. Physica A: Statistical Mechanics and Its Applications, 2023, 616, 128546.	1.2	6

#	ARTICLE	IF	CITATIONS
3239	Network Refinement: Denoising complex networks for better community detection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 617, 128681.	1.2	2
3240	Clustering of multi-layer networks with structural relations and conservation of features. <i>Applied Soft Computing Journal</i> , 2023, 140, 110272.	4.1	0
3241	Rumor source localization in social networks based on infection potential energy. <i>Information Sciences</i> , 2023, 634, 172-188.	4.0	10
3242	Vital spreaders identification synthesizing cross entropy and information entropy with Kshell method. <i>Expert Systems With Applications</i> , 2023, 224, 119928.	4.4	5
3243	A study on modularity density maximization: Column generation acceleration and computational complexity analysis. <i>European Journal of Operational Research</i> , 2023, 309, 516-528.	3.5	3
3244	Node importance evaluation of multi-level directed weighted network based on ISM and SH combination model. , 2022, , .		0
3245	A novel network core structure extraction algorithm utilized variational autoencoder for community detection. <i>Expert Systems With Applications</i> , 2023, 222, 119775.	4.4	8
3246	Extracting Characteristic Areas Based on Topic Distribution over Proximity Tree. <i>Springer Proceedings in Complexity</i> , 2022, , 109-120.	0.2	0
3247	Centrality measures in fuzzy social networks. <i>Information Systems</i> , 2023, 114, 102179.	2.4	6
3248	Uniformly Scattering Neighboring Nodes of an Ego-Centric Network on a Spherical Surface for Better Network Visualization. <i>Studies in Computational Intelligence</i> , 2023, , 97-107.	0.7	2
3249	Uncertainty Visualization for Graph Coarsening. , 2022, , .		0
3250	Revisiting Link Prediction on Heterogeneous Graphs with a Multi-view Perspective. , 2022, , .		2
3251	Economic network dynamics: a structural analysis of the international connectivity of Chinese manufacturing firms. <i>Journal of Economic Studies</i> , 2023, ahead-of-print, .	1.0	0
3252	Capturing New Nurses' Experiences and Supporting Critical Thinking. <i>CIN - Computers Informatics Nursing</i> , 0, Publish Ahead of Print, .	0.3	1
3253	Central limit theorem for the principal eigenvalue and eigenvector of Chung-Lu random graphs. <i>Journal of Physics Complexity</i> , 2023, 4, 015008.	0.9	0
3254	The core of board networks and firm value. <i>Frontiers in Physics</i> , 0, 11, .	1.0	0
3255	Disordered network structure and function in dystonia: pathological connectivity vs. adaptive responses. <i>Cerebral Cortex</i> , 2023, 33, 6943-6958.	1.6	1
3256	Improving Source Localization by Perturbing Graph Diffusion. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
3257	A network analysis of the structure and dynamics of FX derivatives markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 615, 128549.	1.2	1
3258	Abnormal brain network community structure related to psychological stress in schizophrenia. <i>Schizophrenia Research</i> , 2023, 254, 42-53.	1.1	2
3259	Interactive gene identification for cancer subtyping based on multi-omics clustering. <i>Methods</i> , 2023, 211, 61-67.	1.9	2
3260	Identifying influential nodes based on resistance distance. <i>Journal of Computational Science</i> , 2023, 67, 101972.	1.5	1
3261	Identifying and Protecting Cyber-Physical Systems' Influential Devices for Sustainable Cybersecurity. <i>IEEE Transactions on Sustainable Computing</i> , 2023, , 1-13.	2.2	1
3262	A Comparative Analysis of Different Multilevel Approaches for Community Detection. <i>Lecture Notes in Computer Science</i> , 2023, , 230-245.	1.0	0
3263	Key nodes mining for complex networks based on local gravity model. <i>Journal of Control and Decision</i> , 0, , 1-8.	0.7	0
3264	The Absence of a Weak-Tie Effect When Predicting Large-Weight Links in Complex Networks. <i>Entropy</i> , 2023, 25, 422.	1.1	1
3265	Core-periphery structure in networks: A statistical exposition. <i>Statistics Surveys</i> , 2023, 17, .	7.3	2
3267	Functional Connectivity and Small-World Networks in Prion Disease. <i>IEICE Transactions on Information and Systems</i> , 2023, E106.D, 427-430.	0.4	0
3268	Identifying Influential Spreaders Using Local Information. <i>Mathematics</i> , 2023, 11, 1302.	1.1	0
3269	Complex-network analysis of high-frequency combustion instability in a model single-element rocket engine combustor. <i>Journal of Fluid Mechanics</i> , 2023, 959, .	1.4	0
3270	Fast approach for link prediction in complex networks based on graph decomposition. <i>Evolving Systems</i> , 2024, 15, 303-320.	2.4	0
3271	FSopt_k: Finding the Optimal Anonymization Level for a Social Network Graph. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 3770.	1.3	0
3272	Assessment of community efforts to advance network-based prediction of protein-protein interactions. <i>Nature Communications</i> , 2023, 14, .	5.8	6
3273	Genetics Information with Functional Brain Networks for Dementia Classification. <i>Mathematics</i> , 2023, 11, 1529.	1.1	1
3274	Evaluation of Joint Modeling Techniques for Node Embedding and Community Detection on Graphs. , 2022, , .		0
3275	Metastability as a candidate neuromechanistic biomarker of schizophrenia pathology. <i>PLoS ONE</i> , 2023, 18, e0282707.	1.1	3

#	ARTICLE	IF	CITATIONS
3276	Estimating the Number of Communities in Weighted Networks. <i>Entropy</i> , 2023, 25, 551.	1.1	1
3277	Similarity-Based Hybrid Algorithms for Link Prediction Problem in Social Networks. <i>New Generation Computing</i> , 0, , .	2.5	0
3278	Considering weights in real social networks: A review. <i>Frontiers in Physics</i> , 0, 11, .	1.0	2
3279	Intra- and interbrain synchrony and hyperbrain network dynamics of a guitarist quartet and its audience during a concert. <i>Annals of the New York Academy of Sciences</i> , 2023, 1523, 74-90.	1.8	2
3280	Unpacking the sustainable development goals (<scp>SDGs</scp>) interlinkages: A semantic network analysis of the <scp>SDGs</scp> targets. <i>Sustainable Development</i> , 2023, 31, 2784-2796.	6.9	6
3281	Comparative Study of Random Walks with One-Step Memory on Complex Networks. <i>Springer Proceedings in Complexity</i> , 2023, , 14-25.	0.2	0
3282	Nature vs. Nurture in Science: The Effect of Researchers Segregation on Papers' Citation Histories. <i>Springer Proceedings in Complexity</i> , 2023, , 141-154.	0.2	0
3283	Random search immune algorithm for community detection. <i>Soft Computing</i> , 2023, 27, 8061-8090.	2.1	0
3284	Probe-based mass spectrometry approaches for single-cell and single-organelle measurements. <i>Mass Spectrometry Reviews</i> , 0, , .	2.8	2
3285	Consistency between ordering and clustering methods for graphs. <i>Physical Review Research</i> , 2023, 5, .	1.3	3
3287	clusterMaker2: a major update to clusterMaker, a multi-algorithm clustering app for Cytoscape. <i>BMC Bioinformatics</i> , 2023, 24, .	1.2	3
3289	Time series clustering for TBM performance investigation using spatio-temporal complex networks. <i>Expert Systems With Applications</i> , 2023, 225, 120100.	4.4	5
3290	Attributed Graph Embedding with Random Walk Regularization and Centrality-Based Attention. <i>Mathematics</i> , 2023, 11, 1830.	1.1	0
3291	Inferring the decision rules that drive co-foraging affiliations in wild mixed-species parrot groups. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2023, 378, .	1.8	3
3292	Intermediate-aided allosteric mechanism for β -glucosidase by Xanthene-11v as an inhibitor using residue interaction network analysis. <i>Journal of Molecular Graphics and Modelling</i> , 2023, 122, 108495.	1.3	1
3293	An Analysis of David E. Tyler's Publication and Coauthor Network. , 2023, , 3-21.		0
3294	Hypotheses in urban ecology: building a common knowledge base. <i>Biological Reviews</i> , 2023, 98, 1530-1547.	4.7	4
3295	Attention-based hierarchical random graph model for structural inference of real-world networks. <i>Expert Systems With Applications</i> , 2023, , 120199.	4.4	0

#	ARTICLE	IF	CITATIONS
3296	Identifying Influential Nodes in Social Networks: Exploiting Self-Voting Mechanism. Big Data, 2023, 11, 296-306.	2.1	0
3302	Sentiment Analysis on Social Media Data: A Survey. Lecture Notes in Networks and Systems, 2023, , 735-745.	0.5	0
3305	Functional Connectivity MR Imaging. , 2023, , 521-541.		0
3311	Group fairness without demographics using social networks. , 2023, , .		0
3317	LPCD: Incremental Approach for Dynamic Networks. Lecture Notes in Computer Science, 2023, , 203-213.	1.0	0
3319	Deep Learning Attention Model for Supervised and Unsupervised Network Community Detection. Lecture Notes in Computer Science, 2023, , 647-654.	1.0	0
3322	Deep Manifold Graph Auto-Encoder For Attributed Graph Embedding. , 2023, , .		0
3327	RGDroid: Detecting Android Malware with Graph Convolutional Networks against Structural Attacks. , 2023, , .		0
3328	Variable Neighborhood Search Approach to Community Detection Problem. Lecture Notes in Computer Science, 2023, , 188-199.	1.0	0
3344	Dynamic functional connectivity. , 2023, , 219-245.		1
3345	Community detection in network neuroscience. , 2023, , 149-171.		0
3347	A Neighborhood Overlap-Based Binary Search Algorithm for Edge Classification to Satisfy the Strong Triadic Closure Property in Complex Networks. Lecture Notes in Networks and Systems, 2023, , 160-169.	0.5	0
3354	From Cracked Accounts to Fake IDs: User Profiling on German Telegram Black Market Channels. Communications in Computer and Information Science, 2023, , 176-202.	0.4	0
3355	Community Detection Using Revised Medoid-Shift Based on KNN. Lecture Notes in Computer Science, 2023, , 345-353.	1.0	0
3360	Proactive Measures for Cyber-Physical Systems Cybersecurity. , 2023, , .		0
3361	CLP: A Community based Label Propagation Framework for Multiple Source Detection. , 2023, , .		0
3363	Crowd-Sourcing High-Value Information via Quantum Intelligence Game. Lecture Notes in Networks and Systems, 2023, , 552-564.	0.5	0
3365	Self-organizing and Load-Balancing via Quantum Intelligence Game for Peer-to-Peer Collaborative Learning Agents and Flexible Organizational Structures. Lecture Notes in Networks and Systems, 2023, , 532-551.	0.5	0

#	ARTICLE	IF	CITATIONS
3378	Fast Community Detection in Graphs with Infomap Method using Accelerated Sparse Accumulation. , 2023, , .		0
3379	Overlapping Community Discovery Algorithm Based on Seed Node Importance Selection. , 2023, , .		0
3380	Graph Representation Learning. , 2023, , 169-210.		0
3389	Based on local domain identifying influential nodes in social networks. , 2023, , .		0
3392	Multilayer Network Analysis for Industrial Supply Chains of Japanese Prefecture. , 2023, , .		0
3395	Network Medicine: Methods and Applications. , 2023, , 75-90.		0
3401	Social Welfare Attitudes. , 2023, , 239-268.		0
3414	On the Optimal Recovery of Graph Signals. , 2023, , .		1
3415	HEM: An Improved Parametric Link Prediction Algorithm Based onÂHybrid Network Evolution Mechanism. Lecture Notes in Computer Science, 2023, , 91-106.	1.0	0
3418	Network Structure Embedding Method Based onÂRole Domain Feature. Lecture Notes in Computer Science, 2024, , 79-91.	1.0	0
3425	A Heuristic Approach to Identify Influential Node in Complex Social Networks. , 2023, , .		0
3426	Community Detection Algorithms in Social Networks: An Empirical Evaluation. Lecture Notes in Electrical Engineering, 2023, , 333-343.	0.3	0
3428	A Procedure of Weight Thresholding on Complex Networks. , 2023, , .		0
3435	DSGCN: A Degree Strength Graph Convolution Network for Identifying Influential Nodes in Complex Networks. , 2023, , .		0
3436	STC+K: A Semi-Global Triangular and Degree Centrality Method to Identify Influential Spreaders in Complex Networks. , 2023, , .		0
3439	A Representation Learning Link Prediction Approach Using Line Graph Neural Networks. Lecture Notes in Computer Science, 2024, , 195-207.	1.0	0
3452	A Seed Expansion Algorithm Based on The CRITIC Method and Node Gravity. , 2023, , .		0
3457	Local Optimization Algorithm Based on Seed Nodes and Belief Propagation for Community Detection. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3458	A Neighbor-Induced Graph Convolution Network for Undirected Weighted Network Representation. , 2023, , .		0
3462	Two-Level Graph Representation Learning with Community-as-a-Node Graphs. , 2023, , .		0
3463	Decision-focused Graph Neural Networks for Graph Learning and Optimization. , 2023, , .		0
3471	Detecting Community Structures in Patients with Peripheral Nervous System Disorders. Studies in Computational Intelligence, 2024, , 172-184.	0.7	0
3472	Better Hide Communities: Benchmarking Community Deception Algorithms. Studies in Computational Intelligence, 2024, , 378-387.	0.7	0
3477	Numerical Analysis for Data Relationship. , 2024, , 61-77.		0