Maps of random walks on complex networks reveal con

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Citation Report

#	Article	IF	CITATIONS
3	IT challenges organisational design: how to connect manufacturing concepts to IT. International Journal of Technology Management, 2000, 19, 630.	0.2	О
4	The Magic Volume Lens: An Interactive Focus+Context Technique for Volume Rendering. , 0, , .		23
5	Entropy rate of diffusion processes on complex networks. Physical Review E, 2008, 78, 065102.	0.8	150
6	Partition of networks into basins of attraction. Physical Review E, 2008, 78, 066111.	0.8	8
7	Robust PID sliding mode control of robot manipulators with online learning neural network. , 2009, , .		0
8	Signatures of Currency Vertices. Journal of the Physical Society of Japan, 2009, 78, 034801.	0.7	3
9	Regional Trade Agreements and the Pattern of Trade: A Networks Approach. SSRN Electronic Journal, 2009, , .	0.4	4
10	Hierarchical modularity in human brain functional networks. Frontiers in Neuroinformatics, 2009, 3, 37.	1.3	522
11	Network Monitoring Based on Community Structure Change., 2009,,.		1
12	Impact of hierarchical modular structure on ranking of individual nodes in directed networks. New Journal of Physics, 2009, 11, 113002.	1.2	20
13	Mining communities in networks. , 2009, , .		51
14	Immunization of networks with community structure. New Journal of Physics, 2009, 11, 123018.	1.2	69
15	Dynamical networks in tRNA:protein complexes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6620-6625.	3.3	685
16	A CitationRank algorithm inheriting Google technology designed to highlight genes responsible for serious adverse drug reaction. Bioinformatics, 2009, 25, 2244-2250.	1.8	25
17	CLUSTERING ALGORITHMS FOR DETECTING FUNCTIONAL MODULES IN PROTEIN INTERACTION NETWORKS. Journal of Bioinformatics and Computational Biology, 2009, 07, 217-242.	0.3	32
18	Differences in impact factor across fields and over time. Journal of the Association for Information Science and Technology, 2009, 60, 27-34.	2.6	197
19	A new approach for detecting scientific specialties from raw cocitation networks. Journal of the Association for Information Science and Technology, 2009, 60, 240-246.	2.6	56
20	Toward a consensus map of science. Journal of the Association for Information Science and Technology, 2009, 60, 455-476.	2.6	180

#	Article	IF	CITATIONS
21	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
22	Contentâ€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
23	Journal maps on the basis of <i>Scopus</i> data: A comparison with the <i>Journal Citation Reports</i> of the ISI. Journal of the Association for Information Science and Technology, 2010, 61, 352-369.	2.6	55
24	Can literature analysis identify innovation drivers in drug discovery?. Nature Reviews Drug Discovery, 2009, 8, 865-878.	21.5	93
25	Evolutionary epidemiology 20 years on: Challenges and prospects. Infection, Genetics and Evolution, 2009, 9, 108-123.	1.0	42
26	Clustering in weighted networks. Social Networks, 2009, 31, 155-163.	1.3	731
27	Communities, knowledge creation, and information diffusion. Journal of Informetrics, 2009, 3, 180-190.	1.4	125
28	Generalized lattice graphs for 2D-visualization of biological information. Journal of Theoretical Biology, 2009, 261, 136-147.	0.8	41
29	The map equation. European Physical Journal: Special Topics, 2009, 178, 13-23.	1.2	593
30	Improved community structure detection using a modified fine-tuning strategy. Europhysics Letters, 2009, 86, 28004.	0.7	103
31	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
32	Community detection algorithms: A comparative analysis. Physical Review E, 2009, 80, 056117.	0.8	1,546
33	Multi-tissue coexpression networks reveal unexpected subnetworks associated with disease. Genome Biology, 2009, 10, R55.	13.9	137
34	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
35	COUNTER and Usage Data: A Two-Part Webinar. Serials Review, 2009, 35, 292-296.	0.4	0
36	Community structure in networks of functional connectivity: Resolving functional organization in the rat brain with pharmacological MRI. Neurolmage, 2009, 47, 302-311.	2.1	52
37	Generic aspects of complexity in brain imaging data and other biological systems. NeuroImage, 2009, 47, 1125-1134.	2.1	126
38	Visualizing the Intellectual Structure with Paper-Reference Matrices. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1153-1160.	2.9	26

#	Article	IF	CITATIONS
39	Modular and Hierarchically Modular Organization of Brain Networks. Frontiers in Neuroscience, 2010, 4, 200.	1.4	897
40	Categorizing words through semantic memory navigation. European Physical Journal B, 2010, 74, 265-270.	0.6	30
41	Line graphs of weighted networks for overlapping communities. European Physical Journal B, 2010, 77, 265-272.	0.6	106
42	Networks and emotion-driven user communities at popular blogs. European Physical Journal B, 2010, 77, 597-609.	0.6	54
43	Fuzzy modularity and fuzzy community structure in networks. European Physical Journal B, 2010, 77, 547-557.	0.6	49
44	Scale-free property of local-world networks and their community structures. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5878-5886.	1.2	7
45	Self-organizing map of complex networks for community detection. Journal of Systems Science and Complexity, 2010, 23, 931-941.	1.6	6
46	Detecting community structure: From parsimony to weighted parsimony. Journal of Systems Science and Complexity, 2010, 23, 1024-1036.	1.6	2
47	Development of the Brain's Functional Network Architecture. Neuropsychology Review, 2010, 20, 362-375.	2.5	109
49	Usage bibliometrics. Annual Review of Information Science & Technology, 2010, 44, 1-64.	2.6	102
50	Community detection in graphs. Physics Reports, 2010, 486, 75-174.	10.3	8,128
51	Can epidemic models describe the diffusion of topics across disciplines?. Journal of Informetrics, 2010, 4, 74-82.	1.4	71
52	Finding communities in directed networks by PageRank random walk induced network embedding. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2443-2454.	1.2	34
53	Link communities reveal multiscale complexity in networks. Nature, 2010, 466, 761-764.	13.7	1,534
54	Design and implementation of a wireless multi-channel EEG recording. , 2010, , .		6
55	Mapping Change in Large Networks. PLoS ONE, 2010, 5, e8694.	1.1	474
56	Characterizing the Community Structure of Complex Networks. PLoS ONE, 2010, 5, e11976.	1.1	201
57	Statistically Validated Networks in Bipartite Complex Systems. SSRN Electronic Journal, 2010, , .	0.4	3

#	Article	IF	CITATIONS
58	Statistical significance of communities in networks. Physical Review E, 2010, 81, 046110.	0.8	97
59	Impact of degree heterogeneity on the behavior of trapping in Koch networks. Chaos, 2010, 20, 043112.	1.0	24
60	Performance of modularity maximization in practical contexts. Physical Review E, 2010, 81, 046106.	0.8	698
61	Identifying abnormal nodes in complex networks by using random walk measure. , 2010, , .		2
62	Use of Data-Biased Random Walks on Graphs for the Retrieval of Context-Specific Networks from Genomic Data. PLoS Computational Biology, 2010, 6, e1000889.	1.5	79
63	Estimating network parameters for selecting community detection algorithms. , 2010, , .		14
64	Eigenspaces of networks reveal the overlapping and hierarchical community structure more precisely. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P08012.	0.9	15
65	Clustering method incorporating network topology and dynamics. , 2010, , .		O
66	Coarse-grained diffusion distance for community structure detection in complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P12030.	0.9	4
67	Extracting weights from edge directions to find communities in directed networks. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P06003.	0.9	11
68	Finding communities in directed networks. Physical Review E, 2010, 81, 016103.	0.8	123
69	Clique graphs and overlapping communities. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P12037.	0.9	141
70	Uncovering the community structure associated with the diffusion dynamics on networks. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P04024.	0.9	42
71	Combinatorial approach to modularity. Physical Review E, 2010, 82, 026102.	0.8	15
72	Local resolution-limit-free Potts model for community detection. Physical Review E, 2010, 81, 046114.	0.8	143
73	Mapping from structure to dynamics: A unified view of dynamical processes on networks. Physical Review E, 2010, 82, 026116.	0.8	28
75	A Novel Candidate Disease Genes Prioritization Method Based on Module Partition and Rank Fusion. OMICS A Journal of Integrative Biology, 2010, 14, 337-356.	1.0	25
76	Handbook of Social Network Technologies and Applications. , 2010, , .		49

#	Article	IF	Citations
77	CommPar: A Community-Based Model Partitioning Approach for Large-Scale Networked Social Dynamics Simulation. , 2010, , .		6
78	The role of a discipline-specific journal in scientific discovery. Journal of the North American Benthological Society, 2010, 29, 1-11.	3.0	4
79	A Hierarchical Diffusion Algorithm for Community Detection in Social Networks. , 2010, , .		13
80	Numerical Simulation Research of NOx Emissions Characteristic of Vehicle Engine Fueled with LPG. , 2010, , .		0
81	A graph-based approach to vehicle trajectory analysis. Journal of Location Based Services, 2010, 4, 183-199.	1.4	72
82	Identifying Abnormal Nodes in Protein-Protein Interaction Networks. , 2010, , .		0
83	Centrality measures and thermodynamic formalism for complex networks. Physical Review E, 2011, 83, 046117.	0.8	60
84	Simulate to Detect: A Multi-agent System for Community Detection. , 2011, , .		23
85	Finding and Characterizing Communities in Multidimensional Networks. , 2011, , .		73
86	A Method for Community Detection in Uncertain Networks. , 2011, , .		12
87	Fuzzy overlapping communities in networks. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P02017.	0.9	110
88	Flow graphs: Interweaving dynamics and structure. Physical Review E, 2011, 84, 017102.	0.8	64
89	Quantitative analysis of bloggers' collective behavior powered by emotions. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P02005.	0.9	40
90	Limits of modularity maximization in community detection. Physical Review E, 2011, 84, 066122.	0.8	330
91	Communities and beyond: Mesoscopic analysis of a large social network with complementary methods. Physical Review E, 2011, 83, 056125.	0.8	22
92	Community Detection in Dynamic Social Networks: A Random Walk Approach. , 2011, , .		5
93	Beyond keyword search. , 2011, , .		57
94	Dissecting functional connectivity of neuronal microcircuits: experimental and theoretical insights. Trends in Neurosciences, 2011, 34, 225-236.	4.2	159

#	Article	IF	CITATIONS
95	Functional Network Organization of the Human Brain. Neuron, 2011, 72, 665-678.	3.8	3,485
96	Evolution of Worldwide Stock Markets, Correlation Structure and Correlation Based Graphs. SSRN Electronic Journal, 2011, , .	0.4	1
97	Engineering Social Contagions: Optimal Network Seeding and Incentive Strategies. SSRN Electronic Journal, 0, , .	0.4	14
98	Mapping Systemic Risk in the International Banking Network. SSRN Electronic Journal, 0, , .	0.4	45
99	Identification of Clusters of Investors from Their Real Trading Activity in a Financial Market. SSRN Electronic Journal, 2011 , , .	0.4	2
100	From Community Detection to Mentor Selection in Rating-Free Collaborative Filtering. Advances in Multimedia, 2011, 2011, 1-19.	0.2	0
101	Finding Statistically Significant Communities in Networks. PLoS ONE, 2011, 6, e18961.	1.1	760
102	Statistically Validated Networks in Bipartite Complex Systems. PLoS ONE, 2011, 6, e17994.	1.1	179
103	Happy Aged People Are All Alike, While Every Unhappy Aged Person Is Unhappy in Its Own Way. PLoS ONE, 2011, 6, e23377.	1.1	20
104	Structural and Dynamical Patterns on Online Social Networks: The Spanish May 15th Movement as a Case Study. PLoS ONE, 2011, 6, e23883.	1.1	127
105	Finding and Testing Network Communities by Lumped Markov Chains. PLoS ONE, 2011, 6, e27028.	1.1	50
106	Economic game theory for mutualism and cooperation. Ecology Letters, 2011, 14, 1300-1312.	3.0	145
107	Visualization studies on evidence-based medicine domain knowledge (series 3): visualization for dissemination of evidence based medicine information. Journal of Evidence-Based Medicine, 2011, 4, 96-105.	0.7	3
108	Life-Cycles and Mutual E_ects of Scientific Communities. Procedia, Social and Behavioral Sciences, 2011, 22, 37-48.	0.5	3
109	A new clustering method and its application in social networks. Pattern Recognition Letters, 2011, 32, 2109-2118.	2.6	32
110	A validity index approach for network partitions. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 3579-3591.	1.2	1
111	Identifying communities by influence dynamics in social networks. Physical Review E, 2011, 84, 046102.	0.8	26
112	Motifs in co-authorship networks and their relation to the impact of scientific publications. European Physical Journal B, 2011, 84, 535-540.	0.6	34

#	Article	IF	CITATIONS
113	Robust network community detection using balanced propagation. European Physical Journal B, 2011, 81, 353-362.	0.6	148
114	Detecting hidden spatial and spatio-temporal structures in glasses and complex physical systems by multiresolution network clustering. European Physical Journal E, 2011, 34, 105.	0.7	57
115	Community structure and patterns of scientific collaboration in Business and Management. Scientometrics, 2011, 89, 381-396.	1.6	60
116	Naturalized metaphilosophy. SynthÃ'se, 2011, 182, 297-313.	0.6	6
117	The semantic organization of the animal category: evidence from semantic verbal fluency and network theory. Cognitive Processing, 2011, 12, 183-196.	0.7	87
118	The effects of innovation alliance on network structure and density of cluster. Expert Systems With Applications, 2011, 38, 299-305.	4.4	37
119	A classification for community discovery methods in complex networks. Statistical Analysis and Data Mining, 2011, 4, 512-546.	1.4	263
120	Scopus' SNIP indicator: Reply to Moed. Journal of the Association for Information Science and Technology, 2011, 62, 214-215.	2.6	13
121	How fractional counting of citations affects the impact factor: Normalization in terms of differences in citation potentials among fields of science. Journal of the Association for Information Science and Technology, 2011, 62, 217-229.	2.6	89
122	Indicators of the interdisciplinarity of journals: Diversity, centrality, and citations. Journal of Informetrics, 2011, 5, 87-100.	1.4	201
123	Investigating relationships within and between category networks in Wikipedia. Journal of Informetrics, 2011, 5, 431-438.	1.4	24
124	Identifying the community structure of the international-trade multi-network. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2051-2066.	1.2	131
125	Discovering communities by information diffusion. , 2011, , .		7
126	A Markov random walk under constraint for discovering overlapping communities in complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P05031.	0.9	56
127	Map equation for link communities. Physical Review E, 2011, 84, 026110.	0.8	63
128	Disentangling categorical relationships through a graph of co-occurrences. Physical Review E, 2011, 84, 046108.	0.8	23
129	Evolutionary method for finding communities in bipartite networks. Physical Review E, 2011, 83, 066120.	0.8	31
130	Visual investigation of similarities in Global Terrorism Database by means of synthetic social networks., 2011,,.		6

#	Article	IF	CITATIONS
131	A general probabilistic framework for detecting community structure in networks. , 2011, , .		13
132	Node importance for dynamical process on networks: A multiscale characterization. Chaos, 2011, 21, 016107.	1.0	46
133	Social relevance of topological communities in ad hoc communication networks. , 2011, , .		3
134	Evolution of worldwide stock markets, correlation structure, and correlation-based graphs. Physical Review E, 2011, 84, 026108.	0.8	205
135	Unfolding communities in large complex networks: Combining defensive and offensive label propagation for core extraction. Physical Review E, 2011, 83, 036103.	0.8	177
136	Partitioning networks into communities by message passing. Physical Review E, 2011, 83, 016115.	0.8	19
137	Compression of Flow Can Reveal Overlapping-Module Organization in Networks. Physical Review X, 2011, 1, .	2.8	34
138	The interaction between multiplex community networks. Chaos, 2011, 21, 016104.	1.0	14
139	Community characterization of heterogeneous complex systems. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P01019.	0.9	44
140	Like like alike., 2011,,.		274
141	Detection of communities in directed networks based on strongly p-connected components. , 2011, , .		11
142	ANT COLONY OPTIMIZATION WITH A NEW RANDOM WALK MODEL FOR COMMUNITY DETECTION IN COMPLEX NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2011, 14, 795-815.	0.9	16
143	Identification of dependency patterns in research collaboration environments through cluster analysis. Journal of Information Science, 2011, 37, 67-85.	2.0	15
144	Identification of clusters of investors from their real trading activity in a financial market. New Journal of Physics, 2012, 14, 013041.	1.2	88
145	Modular organization of intrinsic brain networks: A graph theoretical analysis of resting-state fMRI. , 2012, , .		5
146	Graphlet-based edge clustering reveals pathogen-interacting proteins. Bioinformatics, 2012, 28, i480-i486.	1.8	57
147	DEMON., 2012,,.		160
148	Detecting community structure in networks using edge prediction methods. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P09008.	0.9	19

#	Article	IF	Citations
149	Following the follower., 2012,,.		20
150	Interpretation and trust. , 2012, , .		154
151	Detecting overlapping communities in folksonomies. , 2012, , .		10
152	Magnet community identification on social networks. , 2012, , .		14
153	Shaping communities out of triangles. , 2012, , .		50
154	Sampling from complex networks with high community structures. Chaos, 2012, 22, 023126.	1.0	17
155	Comparisons of clustering SSCI journals by emerging hierarchical clustering, hierarchical clustering and minimum spanning tree. , 2012, , .		0
156	Encoding dynamics for multiscale community detection: Markov time sweeping for the map equation. Physical Review E, 2012, 86, 026112.	0.8	58
157	Closed benchmarks for network community structure characterization. Physical Review E, 2012, 85, 026109.	0.8	14
158	Existence and significance of communities in the World Trade Web. Physical Review E, 2012, 85, 066119.	0.8	41
159	Modularity optimization by conformational space annealing. Physical Review E, 2012, 85, 056702.	0.8	43
160	Multiscale ensemble clustering for finding modules in complex networks. Physical Review E, 2012, 85, 026119.	0.8	8
161	Generalized master equations for non-Poisson dynamics on networks. Physical Review E, 2012, 86, 046102.	0.8	68
162	Mesoscopic model for free-energy-landscape analysis of DNA sequences. Physical Review E, 2012, 86, 021908.	0.8	16
163	Stability-to-instability transition in the structure of large-scale networks. Physical Review E, 2012, 86, 066106.	0.8	8
164	Communities and bottlenecks: Trees and treelike networks have high modularity. Physical Review E, 2012, 85, 066118.	0.8	50
165	Enhancing network robustness against malicious attacks. Physical Review E, 2012, 85, 066130.	0.8	142
166	Community detection using parallel genetic algorithms. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
167	Ranking and clustering of nodes in networks with smart teleportation. Physical Review E, 2012, 85, 056107.	0.8	76
168	Mapping university students' epistemic framing of computational physics using network analysis. Physical Review Physics Education Research, 2012, 8, .	1.7	19
169	Community Preserving Lossy Compression of Social Networks. , 2012, , .		11
170	Finding missing edges in networks based on their community structure. Physical Review E, 2012, 85, 056112.	0.8	62
171	FAST ACCURATE COMMUNITY DETECTION BASED ON DYNAMICS PROCESS AND STABILITY OPTIMIZATION. International Journal of Modern Physics B, 2012, 26, 1250189.	1.0	2
172	Potts model based on a Markov process computation solves the community structure problem effectively. Physical Review E, 2012, 86, 016109.	0.8	50
173	Finding twitter communities with common interests using following links of celebrities. , 2012, , .		27
174	AN ANT-BASED ALGORITHM WITH LOCAL OPTIMIZATION FOR COMMUNITY DETECTION IN LARGE-SCALE NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2012, 15, 1250036.	0.9	9
175	Multi-level Modeling of Quotation Families Morphogenesis., 2012,,.		2
176	Generalized Structural Holes Finding Algorithm by Bisection in Social Communities. , 2012, , .		10
177	Relative Validity Criteria for Community Mining Algorithms. , 2012, , .		14
178	Using community information to improve the precision of link prediction methods. , 2012, , .		76
179	Patient sharing and population genetic structure of methicillin-resistant <i>Staphylococcus aureus</i> . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6763-6768.	3.3	22
180	Consensus clustering in complex networks. Scientific Reports, 2012, 2, 336.	1.6	629
181	Control range: a controllability-based index for node significance in directed networks. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P04011.	0.9	27
182	Tweets Beget Propinquity: Detecting Highly Interactive Communities on Twitter Using Tweeting Links. , 2012, , .		9
183	Phase transitions in random Potts systems and the community detection problem: spin-glass type and dynamic perspectives. Philosophical Magazine, 2012, 92, 406-445.	0.7	43
184	Global disorder transition in the community structure of large-q Potts systems. Europhysics Letters, 2012, 99, 38006.	0.7	11

#	Article	IF	CITATIONS
185	A New Definition of Modularity for Community Detection in Complex Networks. Chinese Physics Letters, 2012, 29, 098901.	1.3	5
186	Predicting effects of structural stress in a genome-reduced model bacterial metabolism. Scientific Reports, 2012, 2, 621.	1.6	13
187	Modular networks of word correlations on Twitter. Scientific Reports, 2012, 2, 814.	1.6	7
188	Non-negative sparse autoencoder neural networks for the detection of overlapping, hierarchical communities in networked datasets. Chaos, 2012, 22, 043141.	1.0	2
189	Detection and Interpretation of Communities in Complex Networks: Practical Methods and Application. , 2012, , 81-113.		20
190	Translating upwards: linking the neural and social sciences via neuroeconomics. Nature Reviews Neuroscience, 2012, 13, 789-797.	4.9	69
191	PageRank and rank-reversal dependence on the damping factor. Physical Review E, 2012, 86, 066104.	0.8	7
192	Network structure, topology, and dynamics in generalized models of synchronization. Physical Review E, 2012, 86, 026108.	0.8	15
193	Bibliometric perspectives on medical innovation using the medical subject Headings of <scp>P</scp> ub <scp>M</scp> ed. Journal of the Association for Information Science and Technology, 2012, 63, 2239-2253.	2.6	67
194	A new methodology for constructing a publicationâ€level classification system of science. Journal of the Association for Information Science and Technology, 2012, 63, 2378-2392.	2.6	391
195	Science is all in the eye of the beholder: Keyword maps in Google scholar citations. Journal of the Association for Information Science and Technology, 2012, 63, 2370-2377.	2.6	20
196	The binding mechanism, multiple binding modes, and allosteric regulation of <i>Staphylococcus aureus</i> Sortase A probed by molecular dynamics simulations. Protein Science, 2012, 21, 1858-1871.	3.1	36
197	Local Community Detection Using Link Similarity. Journal of Computer Science and Technology, 2012, 27, 1261-1268.	0.9	47
198	Community structure in real-world networks from a non-parametrical synchronization-based dynamical approach. Chaos, Solitons and Fractals, 2012, 45, 1171-1179.	2.5	1
199	Discovering the Geographical Borders of Human Mobility. KI - Kunstliche Intelligenz, 2012, 26, 253-260.	2.2	58
200	Context-sensitive detection of local community structure. Social Network Analysis and Mining, 2012, 2, 279-289.	1.9	21
201	Social network mining of requester communities in crowdsourcing markets. Social Network Analysis and Mining, 2012, 2, 329-344.	1.9	6
202	Community detection algorithm using the definition of community. , 2012, , .		1

#	Article	IF	CITATIONS
203	Path-sharing: A new betweenness measure for community identification in networks. , 2012, , .		0
204	Discovering link communities in complex networks by exploiting link dynamics. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P10015.	0.9	18
205	A framework for knowledge integration and diffusion. Journal of Documentation, 2012, 68, 31-44.	0.9	43
206	Automated community detection on social networks. , 2012, , .		7
207	Efficient and reliable network tomography in heterogeneous networks using BitTorrent broadcasts and clustering algorithms. , 2012 , , .		4
208	Scholarly Journals: Print, Digital, Open Access, and Search Engines. , 2012, , .		0
209	Friend or frenemy?., 2012,,.		77
210	Citation Networks. Understanding Complex Systems, 2012, , 233-257.	0.3	38
211	Biogeography Revisited with Network Theory: Retracing the History of Hydrothermal Vent Communities. Systematic Biology, 2012, 61, 127.	2.7	93
212	Community detection in incomplete information networks. , 2012, , .		69
213	Defining and Discovering Communities in Social Networks. Springer Optimization and Its Applications, 2012, , 139-168.	0.6	21
214	Multi-resolution modularity methods and their limitations in community detection. European Physical Journal B, 2012, 85, 1.	0.6	14
215	Infomap Based Community Detection in Weibo Following Graph. , 2012, , .		4
216	Social networks community detection using the Shapley value. , 2012, , .		11
217	Spurious but systematic correlations in functional connectivity MRI networks arise from subject motion. NeuroImage, 2012, 59, 2142-2154.	2.1	6,516
218	A complex networks approach for data clustering. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6174-6183.	1.2	21
219	Transforming a complex network to an acyclic one. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6184-6189.	1.2	1
220	Bloom: A stochastic growth-based fast method of community detection in networks. Journal of Computational Science, 2012, 3, 356-366.	1.5	5

#	Article	IF	Citations
221	Interactive overlays: A new method for generating global journal maps from Web-of-Science data. Journal of Informetrics, 2012, 6, 318-332.	1.4	97
222	Community Detection in Social Networks Using Information Diffusion. , 2012, , .		18
224	Comparative evaluation of community detection algorithms: a topological approach. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P08001.	0.9	110
225	Recipe recommendation using ingredient networks. , 2012, , .		167
226	Community-Affiliation Graph Model for Overlapping Network Community Detection. , 2012, , .		190
227	Scalable Uncertainty Management. Lecture Notes in Computer Science, 2012, , .	1.0	0
228	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
229	Significant Communities in Large Sparse Networks. PLoS ONE, 2012, 7, e33721.	1.1	25
230	"Do Octopuses Have a Brain?―Knowledge, Perceptions and Attitudes towards Neuroscience at School. PLoS ONE, 2012, 7, e47943.	1.1	22
231	Cellular Automata on Graphs: Topological Properties of ER Graphs Evolved towards Low-Entropy Dynamics. Entropy, 2012, 14, 993-1010.	1.1	10
232	Naturalistic fMRI Mapping Reveals Superior Temporal Sulcus as the Hub for the Distributed Brain Network for Social Perception. Frontiers in Human Neuroscience, 2012, 6, 233.	1.0	306
233	Generalized String Pseudo-Folding Lattices in Bioinformatics: State-of-Art Review, New Model for Enzyme Sub-Classes, and Study of ESTs on Trichinella spiralis. Current Bioinformatics, 2012, 7, 7-34.	0.7	1
234	Is Viral Marketing Worth the Trouble? - Evidence from the Diffusion of the iPhone 3G over a Large Social Network. SSRN Electronic Journal, 2012, , .	0.4	6
235	Mapping (<scp>USPTO</scp>) patent data using overlays to <scp>G</scp> oogle <scp>M</scp> aps. Journal of the Association for Information Science and Technology, 2012, 63, 1442-1458.	2.6	55
236	Community overlays upon real-world complex networks. European Physical Journal B, 2012, 85, 1.	0.6	6
237	The Connectome of a Decision-Making Neural Network. Science, 2012, 337, 437-444.	6.0	403
238	Characterizing and modeling an electoral campaign in the context of Twitter: 2011 Spanish Presidential election as a case study. Chaos, 2012, 22, 023138.	1.0	68
239	The largeâ€scale structure of journal citation networks. Journal of the Association for Information Science and Technology, 2012, 63, 837-842.	2.6	21

#	Article	IF	Citations
240	Community detection in Social Media. Data Mining and Knowledge Discovery, 2012, 24, 515-554.	2.4	509
241	Community detection via heterogeneous interaction analysis. Data Mining and Knowledge Discovery, 2012, 25, 1-33.	2.4	169
242	A combinatorial model and algorithm for globally searching community structure in complex networks. Journal of Combinatorial Optimization, 2012, 23, 425-442.	0.8	20
243	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
244	Balanced Multi-Label Propagation for Overlapping Community Detection in Social Networks. Journal of Computer Science and Technology, 2012, 27, 468-479.	0.9	109
245	Discovering Typed Communities in Mobile Social Networks. Journal of Computer Science and Technology, 2012, 27, 480-491.	0.9	11
246	Length of clustering algorithms based on random walks with an application to neuroscience. Chaos, Solitons and Fractals, 2012, 45, 629-639.	2.5	0
247	GANC: Greedy agglomerative normalized cut for graph clustering. Pattern Recognition, 2012, 45, 831-843.	5.1	22
248	Efficient algorithm based on neighborhood overlap for community identification in complex networks. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1788-1796.	1.2	14
249	Criterions for locally dense subgraphs. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1831-1847.	1.2	5
250	Traffic dynamics in scale-free networks with tunable strength of community structure. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1887-1893.	1.2	13
251	Community detection based on the "clumpiness―matrix in complex networks. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2463-2474.	1.2	9
252	Efficient overlapping community detection in huge real-world networks. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2475-2490.	1.2	28
253	Ordered community structure in networks. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2752-2763.	1.2	5
254	Community detection in networks by using multiobjective evolutionary algorithm with decomposition. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4050-4060.	1.2	211
255	Discovering Spatial Patterns in Originâ€Destination Mobility Data. Transactions in GIS, 2012, 16, 411-429.	1.0	126
256	Identifying overlapping communities in social networks using multi-scale local information expansion. European Physical Journal B, 2012, 85, 1.	0.6	21
257	ABACUS: frequent pAttern mining-BAsed Community discovery in mUltidimensional networkS. Data Mining and Knowledge Discovery, 2013, 27, 294-320.	2.4	110

#	Article	IF	Citations
258	Word usage mirrors community structure in the online social network Twitter. EPJ Data Science, 2013, 2, .	1.5	34
259	A fast weak motif-finding algorithm based on community detection in graphs. BMC Bioinformatics, 2013, 14, 227.	1.2	11
260	Community detection in complex networks using extended compact genetic algorithm. Soft Computing, 2013, 17, 925-937.	2.1	40
261	Bad communities with high modularity. European Physical Journal B, 2013, 86, 1.	0.6	20
262	Random walks on non-homogenous weighted Koch networks. Chaos, 2013, 23, 033106.	1.0	38
263	An efficient agent-based algorithm for overlapping community detection using nodes' closeness. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 5231-5247.	1.2	18
264	Evidence for Hubs in Human Functional Brain Networks. Neuron, 2013, 79, 798-813.	3.8	699
265	Spatially constrained hierarchical parcellation of the brain with resting-state fMRI. NeuroImage, 2013, 76, 313-324.	2.1	203
266	Algorithms from and for Nature and Life. Studies in Classification, Data Analysis, and Knowledge Organization, 2013 , , .	0.1	0
267	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
268	Overlapping community detection at scale. , 2013, , .		547
269	MCF: A tool to find multi-scale community profiles in biological networks. Computer Methods and Programs in Biomedicine, 2013, 112, 665-672.	2.6	5
270	Functional network architecture of reading-related regions across development. Brain and Language, 2013, 125, 231-243.	0.8	68
271	Impact maturity times and citation time windows: The 2-year maximum journal impact factor. Journal of Informetrics, 2013, 7, 593-602.	1.4	26
273	Fuzzy overlapping community detection based on local random walk and multidimensional scaling. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 6578-6586.	1.2	57
274	Detecting Communities and Corresponding Central Nodes in Large Social Networks. Communications in Computer and Information Science, 2013, , 55-65.	0.4	1
275	A Novel Approach to Uncover Health Care Frauds through Spectral Analysis. , 2013, , .		8
276	A MapReduce and Information Compression Based Social Community Structure Mining Method. , 2013, ,		0

#	Article	IF	Citations
277	Overlapping community detection in networks. ACM Computing Surveys, 2013, 45, 1-35.	16.1	793
278	The role of hidden influentials in the diffusion of online information cascades. EPJ Data Science, 2013, 2, .	1.5	57
279	Communities validity: methodical evaluation of community mining algorithms. Social Network Analysis and Mining, 2013, 3, 1039-1062.	1.9	11
280	FURS: Fast and Unique Representative Subset selection retaining large-scale community structure. Social Network Analysis and Mining, 2013, 3, 1075-1095.	1.9	20
281	The prescribed output pattern regulates the modular structure of flow networks. European Physical Journal B, 2013, 86, 1.	0.6	6
282	The extraction of community structures from publication networks to support ethnographic observations of field differences in scientific communication. Journal of the Association for Information Science and Technology, 2013, 64, 2405-2427.	2.6	17
283	Advanced graph mining for community evaluation in social networks and the web. , 2013, , .		7
284	Extending a configuration model to find communities in complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P09013.	0.9	9
285	Clustering and community detection in directed networks: A survey. Physics Reports, 2013, 533, 95-142.	10.3	496
286	Parallel \$(k)\$-Clique Community Detection on Large-Scale Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1651-1660.	4.0	52
287	Quantitative Analysis of Community Detection Methods for Longitudinal Mobile Data., 2013,,.		1
288	Jargon and graph modularity on twitter. , 2013, , .		0
289	Provincialization of terrestrial faunas following the end-Permian mass extinction. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8129-8133.	3.3	140
290	Engineering social contagions: Optimal network seeding in the presence of homophily. Network Science, 2013, 1, 125-153.	0.8	108
291	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
292	Edge Balance Ratio: Power Law From Vertices to Edges in Directed Complex Network. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 184-194.	7.3	3
293	Application of a Cognitive-Inspired Algorithm for Detecting Communities in Mobility Networks. , 2013, , .		0
294	Abnormal brain synchrony in Down Syndrome. NeuroImage: Clinical, 2013, 2, 703-715.	1.4	111

#	Article	IF	CITATIONS
295	Efficient community detection with additive constrains on large networks. Knowledge-Based Systems, 2013, 52, 268-278.	4.0	17
296	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
297	Detecting Communities by Revised Max-flow Method in Networks. Communications in Theoretical Physics, 2013, 60, 258-262.	1.1	0
298	Hierarchical community detection with applications to real-world network analysis. Data and Knowledge Engineering, 2013, 83, 20-38.	2.1	45
299	An efficient community detection method based on rank centrality. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2182-2194.	1.2	38
300	Obtaining communities with a fitness growth process. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2278-2293.	1.2	4
301	Community Detection in Complex Networks: Multi–objective Enhanced Firefly Algorithm. Knowledge-Based Systems, 2013, 46, 1-11.	4.0	153
302	EAMCD: an efficient algorithm based on minimum coupling distance for community identification in complex networks. European Physical Journal B, 2013, 86, 1.	0.6	6
303	Community structure detection in complex networks with partial background information. Europhysics Letters, 2013, 101, 48005.	0.7	49
304	Reaction-diffusion processes and metapopulation models on duplex networks. Physical Review E, 2013, 87, .	0.8	24
305	Tracking Individuals Shows Spatial Fidelity Is a Key Regulator of Ant Social Organization. Science, 2013, 340, 1090-1093.	6.0	335
306	Correlation Dimension of Complex Networks. Physical Review Letters, 2013, 110, 168703.	2.9	70
307	The knowledge domain of the academy of international business studies (AIB) conferences: a longitudinal scientometric perspective for the years 2006–2011. Scientometrics, 2013, 95, 541-561.	1.6	11
308	Comparing journals from different fields of science and social science through a JCR subject categories normalized impact factor. Scientometrics, 2013, 95, 645-672.	1.6	51
309	Neural representations of events arise from temporal community structure. Nature Neuroscience, 2013, 16, 486-492.	7.1	398
310	Analysis of bibliometric indicators for individual scholars in a large data set. Scientometrics, 2013, 97, 627-637.	1.6	42
311	Using bibliometrics to support the facilitation of crossâ€disciplinary communication. Journal of the Association for Information Science and Technology, 2013, 64, 1768-1779.	2.6	7
312	The IchnoGIS method: Network science and geostatistics in ichnology. Theory and application (Grado) Tj ETQq1	1 0.78431 1.0	4 rgBT /Over

#	Article	IF	Citations
313	An O(n2) algorithm for detecting communities of unbalanced sizes in large scale social networks. Knowledge-Based Systems, 2013, 37, 19-36.	4.0	18
314	The Stability of a Graph Partition: A Dynamics-Based Framework for Community Detection. Modeling and Simulation in Science, Engineering and Technology, 2013, , 221-242.	0.4	34
315	Evaluating the Performance of Clustering Algorithms in Networks. Modeling and Simulation in Science, Engineering and Technology, 2013, , 143-158.	0.4	0
316	Using community detection for sentiment analysis. , 2013, , .		6
317	Lessons from the modular organization of the transcriptional regulatory network of Bacillus subtilis. BMC Systems Biology, 2013, 7, 127.	3.0	26
318	A dynamical model for community detection in complex networks. , 2013, , .		6
319	Recommendation-Assisted Personal Web. , 2013, , .		3
320	Coevolution Reveals a Network of Human Proteins Originating with Multicellularity. Molecular Biology and Evolution, 2013, 30, 332-346.	3.5	21
321	Comparing relational and non-relational algorithms for clustering propositional data., 2013,,.		5
322	Modeling information diffusion and community membership using stochastic optimization., 2013,,.		14
323	Spectral graph multisection through orthogonality. , 2013, , .		2
324	Alternate views of graph clusterings based on thresholds. , 2013, , .		0
325	Analyzing future communities in growing citation networks. , 2013, , .		3
326	OverCite. , 2013, , .		9
327	Kernel Spectral Clustering for Big Data Networks. Entropy, 2013, 15, 1567-1586.	1.1	59
328	Surprise maximization reveals the community structure of complex networks. Scientific Reports, 2013, 3, 1060.	1.6	66
329	Community Event Prediction in Dynamic Social Networks. , 2013, , .		5
330	Information sharing in quantum complex networks. Physical Review A, 2013, 87, .	1.0	12

#	ARTICLE	IF	CITATIONS
331	Community Detection in Scale-Free Networks: Approximation Algorithms for Maximizing Modularity. IEEE Journal on Selected Areas in Communications, 2013, 31, 997-1006.	9.7	33
332	Bivalve network reveals latitudinal selectivity gradient at the end-Cretaceous mass extinction. Scientific Reports, 2013, 3, .	1.6	35
333	Trends in computer science research. Communications of the ACM, 2013, 56, 74-83.	3.3	653
334	A spectral algorithm of community identification. Europhysics Letters, 2013, 101, 48001.	0.7	3
335	A Hierarchical Clustering Approach to Modularity Maximization. Studies in Classification, Data Analysis, and Knowledge Organization, 2013, , 79-86.	0.1	0
336	INFORMATION AND SELF-ORGANIZATION OF BEHAVIOR. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1303001.	0.9	17
337	Emergence of scaling in human-interest dynamics. Scientific Reports, 2013, 3, 3472.	1.6	71
338	Dynamically Weighted Clique Evolution Model in Clique Networks. Mathematical Problems in Engineering, 2013, 2013, 1-6.	0.6	4
339	Combining a popularity-productivity stochastic block model with a discriminative-content model for general structure detection. Physical Review E, 2013, 88, 012807.	0.8	16
340	Manipulation of extreme events on scale-free networks. Physical Review E, 2013, 88, 014801.	0.8	10
341	Graph clustering with local search optimization: The resolution bias of the objective function matters most. Physical Review E, 2013, 87, 012812.	0.8	13
342	Zero resource spoken audio corpus analysis. , 2013, , .		15
343	Large-scale community detection on speaker content graphs. , 2013, , .		9
344	Efficient local behavioral-change strategies to reduce the spread of epidemics in networks. Physical Review E, 2013, 88, 042801.	0.8	18
345	Evolution of correlation structure of industrial indices of U.S. equity markets. Physical Review E, 2013, 88, 012806.	0.8	48
346	Genetic Algorithm with a Local Search Strategy for Discovering Communities in Complex Networks. International Journal of Computational Intelligence Systems, 2013, 6, 354.	1.6	27
347	Flow motifs reveal limitations of the static framework to represent human interactions. Physical Review E, 2013, 87, 042814.	0.8	12
348	Talking and learning physics: Predicting future grades from network measures and Force Concept Inventory pretest scores. Physical Review Physics Education Research, 2013, 9, .	1.7	52

#	Article	IF	CITATIONS
349	Self-tuned kernel spectral clustering for large scale networks. , 2013, , .		17
350	Spectral clustering with epidemic diffusion. Physical Review E, 2013, 88, 042813.	0.8	15
351	Inferring Directed Static Networks of Influence from Undirected Temporal Networks. , 2013, , .		3
352	Spanning tree separation reveals community structure in networks. Physical Review E, 2013, 87, .	0.8	8
353	Colluder Detection Based on Hypergraph Decomposition. , 2013, , .		1
354	Detecting community structure of networks using evolutionary coordination games. , 2013, , .		1
355	Evaluating Cerebral Cortex Connectivity with Local Information Algorithm. , 2013, , .		1
356	Virality Prediction and Community Structure in Social Networks. Scientific Reports, 2013, 3, 2522.	1.6	416
357	Networks of networks: a citation network analysis of the adoption, use, and adaptation of formal network techniques in archaeology. Literary and Linguistic Computing, 2013, 28, 538-562.	0.6	24
359	Evaluating the Stability of Communities Found by Clustering Algorithms. Studies in Computational Intelligence, 2013, , 121-132.	0.7	0
360	An Empirical Study of the Relation between Community Structure and Transitivity. Studies in Computational Intelligence, 2013, , 99-110.	0.7	31
361	Informative Value of Individual and Relational Data Compared Through Business-Oriented Community Detection. Lecture Notes in Social Networks, 2013, , 303-330.	0.8	4
362	Clustering bipartite graphs in terms of approximate formal concepts and sub-contexts. International Journal of Computational Intelligence Systems, 2013, 6, 1125.	1.6	11
363	On the Evolution of Contacts and Communities in Networks of Face-to-Face Proximity. , 2013, , .		4
364	Towards multi-ego-centred communities: a node similarity approach. International Journal of Web Based Communities, 2013, 9, 299.	0.2	10
365	Towards realistic artificial benchmark for community detection algorithms evaluation. International Journal of Web Based Communities, 2013, 9, 349.	0.2	37
366	Exploring the limits of community detection strategies in complex networks. Scientific Reports, 2013, 3, 2216.	1.6	58
367	Constant Communities in Complex Networks. Scientific Reports, 2013, 3, 1825.	1.6	31

#	Article	IF	Citations
369	Significant Scales in Community Structure. Scientific Reports, 2013, 3, 2930.	1.6	98
370	Enhanced Community Structure Detection in Complex Networks with Partial Background Information. Scientific Reports, 2013, 3, 3241.	1.6	52
371	A multi-objective genetic algorithm for community discovery. , 2013, , .		6
372	Community structure in interaction web service networks. International Journal of Web Based Communities, 2013, 9, 392.	0.2	5
373	Whither biogeography, and whence? Bringing our subject together. Frontiers of Biogeography, 2013, 5,	0.8	0
374	Finding Communities in Credit Networks. Economics, 2013, 7, .	0.2	9
375	The Bridges and Brokers of Global Campaigns in the Context of Social Media. SSRN Electronic Journal, 0, , .	0.4	10
376	Phylomemetic Patterns in Science Evolution—The Rise and Fall of Scientific Fields. PLoS ONE, 2013, 8, e54847.	1.1	92
377	Identifying Communities and Key Vertices by Reconstructing Networks from Samples. PLoS ONE, 2013, 8, e61006.	1.1	4
378	The Phenomenology of Specialization of Criminal Suspects. PLoS ONE, 2013, 8, e64703.	1.1	18
379	The Role of Gender in Scholarly Authorship. PLoS ONE, 2013, 8, e66212.	1.1	562
380	Evolution of Correlation Structure of Industrial Indices of US Equity Markets. SSRN Electronic Journal, 0, , .	0.4	1
381	Community Structure Discovery in Directed Graphs by Asymmetric Clustering. Behaviormetrika, 2013, 40, 85-99.	0.9	2
382	An horizon scan of biogeography. Frontiers of Biogeography, 2013, 5, .	0.8	5
384	Uncovering Patterns of Inter-Urban Trip and Spatial Interaction from Social Media Check-In Data. PLoS ONE, 2014, 9, e86026.	1.1	249
385	Detecting the Community Structure and Activity Patterns of Temporal Networks: A Non-Negative Tensor Factorization Approach. PLoS ONE, 2014, 9, e86028.	1.1	182
386	Link Community Detection Using Generative Model and Nonnegative Matrix Factorization. PLoS ONE, 2014, 9, e86899.	1.1	26
387	Multi-Scale Analysis of the European Airspace Using Network Community Detection. PLoS ONE, 2014, 9, e94414.	1.1	34

#	Article	IF	CITATIONS
388	Multilevel Hierarchical Kernel Spectral Clustering for Real-Life Large Scale Complex Networks. PLoS ONE, 2014, 9, e99966.	1.1	22
389	Stock Portfolio Structure of Individual Investors Infers Future Trading Behavior. PLoS ONE, 2014, 9, e103006.	1.1	12
390	Active Semi-Supervised Community Detection Based on Must-Link and Cannot-Link Constraints. PLoS ONE, 2014, 9, e110088.	1.1	23
391	Time Development in the Early History of Social Networks: Link Stabilization, Group Dynamics, and Segregation. PLoS ONE, 2014, 9, e112775.	1.1	16
392	A Node Influence Based Label Propagation Algorithm for Community Detection in Networks. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	55
393	Decomposition-Based Multiobjective Evolutionary Algorithm for Community Detection in Dynamic Social Networks. Scientific World Journal, The, 2014, 2014, 1-22.	0.8	20
394	The VWFA: it's not just for words anymore. Frontiers in Human Neuroscience, 2014, 8, 88.	1.0	101
395	Simulated rich club lesioning in brain networks: a scaffold for communication and integration?. Frontiers in Human Neuroscience, 2014, 8, 647.	1.0	81
396	Mixing, Transport and Coherent Structures. Oberwolfach Reports, 2014, 11, 213-286.	0.0	0
398	Random walks on adjacency graphs for mining lexical relations from big text data. , 2014, , .		27
399	An EDA-based community detection in complex networks. , 2014, , .		3
400	An improvement of PLSA-based community detection algorithm. Modern Physics Letters B, 2014, 28, 1450120.	1.0	2
401	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
402	Analysis of two crime-related networks derived from bipartite social networks. , 2014, , .		6
403	Statistics of co-occurring keywords in confined text messages on Twitter. European Physical Journal: Special Topics, 2014, 223, 1849-1858.	1.2	3
404	TRIBAC: Discovering Interpretable Clusters and Latent Structures in Graphs. , 2014, , .		3
405	Research on Fast Community Detection Algorithm in Microblog. Applied Mechanics and Materials, 0, 513-517, 2045-2049.	0.2	0
407	Sparse Coding in Modularity Community Detection with Big Data. Applied Mechanics and Materials, 0, 687-691, 1653-1656.	0.2	0

#	Article	IF	CITATIONS
408	Research on variance of subnets in network sampling. Journal of Systems Engineering and Electronics, 2014, 25, 1098-1106.	1.1	1
409	User Interaction Based Community Detection in Online Social Networks. Lecture Notes in Computer Science, 2014, , 296-310.	1.0	9
410	Integrating attributes of nodes solves the community structure partition effectively. Modern Physics Letters B, 2014, 28, 1450037.	1.0	3
411	Application-driven bandwidth guarantees in datacenters. , 2014, , .		96
412	Inference for Graphs and Networks: Adapting Classical Tools to Modern Data. , 2014, , 1-31.		6
413	Optimal Behavioral Hierarchy. PLoS Computational Biology, 2014, 10, e1003779.	1.5	91
414	Random walk centrality for temporal networks. New Journal of Physics, 2014, 16, 063023.	1.2	50
415	On Facebook, most ties are weak. Communications of the ACM, 2014, 57, 78-84.	3.3	125
416	Component Detection in Directed Networks. , 2014, , .		2
417	A detection of overlapping community in mobile social network. , 2014, , .		3
418	On maximizing diffusion speed in social networks. , 2014, , .		15
419	Community detection-based features for sequence classification. , 2014, , .		3
420	Discovering Social Circles in Directed Graphs. ACM Transactions on Knowledge Discovery From Data, 2014, 8, 1-27.	2.5	12
421	Overlapping community detection via link partition of asymmetric weighted graph. , 2014, , .		3
422	Algorithms and Dynamical Models for Communities and Reputation in Social Networks. Springer Theses, 2014, , .	0.0	12
423	Advanced Technologies, Embedded and Multimedia for Human-centric Computing. Lecture Notes in Electrical Engineering, 2014, , .	0.3	4
424	High quality, scalable and parallel community detection for large real graphs., 2014,,.		96
425	Multilinguals and Wikipedia editing. , 2014, , .		44

#	Article	IF	CITATIONS
426	Detecting Local Community Structures in Networks Based on Boundary Identification. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	7
427	A network complexity metric based on planarity and community structure. Journal of Complex Networks, 2014, 2, 299-312.	1.1	1
428	Network local structure in the urban bus system of Madrid. , 2014, , .		0
429	From Object to Flow: Network Sensibility, Symbolic Interactionism, and Social Media. Studies in Symbolic Interaction, 2014, , 7-41.	0.3	14
430	The interplay between dynamics and networks. , 2014, , .		19
431	Detecting cohesive and 2-mode communities indirected and undirected networks. , 2014, , .		55
432	On the permanence of vertices in network communities. , 2014, , .		91
433	Community-Enhanced De-anonymization of Online Social Networks. , 2014, , .		80
434	Evaluating and Comparing the IGraph Community Detection Algorithms. , 2014, , .		7
435	Directed interactivity of large-scale brain networks: Introducing a new method for estimating resting-state effective connectivity MRI. , 2014 , , .		1
436	A Multiobjective Evolutionary Algorithm Based on Similarity for Community Detection From Signed Social Networks. IEEE Transactions on Cybernetics, 2014, 44, 2274-2287.	6.2	190
437	Exploiting Paper Contents and Citation Links to Identify and Characterise Specialisations., 2014,,.		2
438	Cassandra. , 2014, , .		0
439	Mapping cortical functions with a local community detection algorithm. Journal of Complex Networks, 2014, 2, 637-653.	1.1	8
440	Multilayer weighted social network model. Physical Review E, 2014, 90, 052810.	0.8	46
441	Knowledge Integration and Diffusion: Measures and Mapping of Diversity and Coherence. , 2014, , 169-190.		31
442	General optimization technique for high-quality community detection in complex networks. Physical Review E, 2014, 90, 012811.	0.8	122
443	Community detection in networks: Structural communities versus ground truth. Physical Review E, 2014, 90, 062805.	0.8	157

#	Article	IF	CITATIONS
444	Mapping the online communication patterns of political conversations. Physica A: Statistical Mechanics and Its Applications, 2014, 414, 403-413.	1.2	16
445	Using triads to identify local community structure in social networks. , 2014, , .		13
446	Improving management of aquatic invasions by integrating shipping network, ecological, and environmental data. , 2014, , .		34
447	Density-based and transport-based core-periphery structures in networks. Physical Review E, 2014, 89, 032810.	0.8	43
448	Hierarchical Block Structures and High-Resolution Model Selection in Large Networks. Physical Review X, 2014, 4, .	2.8	177
449	Infinite-degree-corrected stochastic block model. Physical Review E, 2014, 90, 032819.	0.8	13
450	Improving the performance of algorithms to find communities in networks. Physical Review E, 2014, 89, 032809.	0.8	19
451	Blind and myopic ants in heterogeneous networks. Physical Review E, 2014, 90, 052814.	0.8	3
452	COST EFFECTIVENESS OF OPEN ACCESS PUBLICATIONS. Economic Inquiry, 2014, 52, 1315-1321.	1.0	29
453	Phase transitions in semisupervised clustering of sparse networks. Physical Review E, 2014, 90, 052802.	0.8	37
454	Driving Interconnected Networks to Supercriticality. Physical Review X, 2014, 4, .	2.8	32
455	Understanding genetic variation – the value of systems biology. British Journal of Clinical Pharmacology, 2014, 77, 597-605.	1.1	55
456	Analytical estimation of the correlation dimension of integer lattices. Chaos, 2014, 24, 043101.	1.0	8
457	The role of the interactome in the maintenance of deleterious variability in human populations. Molecular Systems Biology, 2014, 10, 752.	3.2	28
458	Overlapping Communities Explain Core–Periphery Organization of Networks. Proceedings of the IEEE, 2014, 102, 1892-1902.	16.4	114
459	Mesoscopic analysis of online social networks: The role of negative ties. Physical Review E, 2014, 90, 042817.	0.8	27
460	Finding knowledge paths among scientific disciplines. Journal of the Association for Information Science and Technology, 2014, 65, 2331-2347.	1.5	34
461	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

#	Article	IF	CITATIONS
462	Detecting overlapping communities in massive networks. Europhysics Letters, 2014, 108, 68001.	0.7	5
463	Two-layer modular analysis of gene and protein networks in breast cancer. BMC Systems Biology, 2014, 8, 81.	3.0	9
464	Interest communities and flow roles in directed networks: the Twitter network of the UK riots. Journal of the Royal Society Interface, 2014, 11, 20140940.	1.5	52
465	Community Detection and Visualization of Networks with the Map Equation Framework. , 2014, , 3-34.		94
466	An efficient community detection algorithm using greedy surprise maximization. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 165101.	0.7	16
467	Application and comparative performance of network modularity algorithms to ecological communities classification. Acta Societatis Botanicorum Poloniae, 2014, 83, 93-102.	0.8	2
468	NEIWalk: Community Discovery in Dynamic Content-Based Networks. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1734-1748.	4.0	52
469	Beautiful History and Beastly Science. A Possible Interdisciplinary Marriage. Procedia, Social and Behavioral Sciences, 2014, 116, 2215-2219.	0.5	O
470	A community-detection based approach to identification of inhomogeneities in granular matter. Physica A: Statistical Mechanics and Its Applications, 2014, 407, 312-331.	1.2	19
471	Analyzing future communities in growing citation networks. Knowledge-Based Systems, 2014, 69, 34-44.	4.0	23
472	A methodology for the characterization of flow conductivity through the identification of communities in samples of fractured rocks. Expert Systems With Applications, 2014, 41, 811-820.	4.4	17
473	Multi-level learning based memetic algorithm for community detection. Applied Soft Computing Journal, 2014, 19, 121-133.	4.1	103
474	Generalised blockmodelling of social and relational networks using evolutionary computing. Social Network Analysis and Mining, 2014, 4, 1.	1.9	4
475	Potential links by neighbor communities. Physica A: Statistical Mechanics and Its Applications, 2014, 406, 244-252.	1.2	19
476	Community detection in social networks using hybrid merging of sub-communities. Journal of Network and Computer Applications, 2014, 40, 73-84.	5.8	34
477	"Six Degrees of Separationâ€â€"Revealing a "Small-World Phenomenon―through a Chemistry Literature Search Activity. Journal of Chemical Education, 2014, 91, 546-549.	1.1	5
478	SurpriseMe: an integrated tool for network community structure characterization using Surprise maximization. Bioinformatics, 2014, 30, 1041-1042.	1.8	19
479	All for one, one for all: Consensus community detection in networks. , 2014, , .		0

#	Article	IF	Citations
480	Triadic closure as a basic generating mechanism of communities in complex networks. Physical Review E, 2014, 90, 042806.	0.8	136
481	Making a Mark: a computational and visual analysis of one researcher's intellectual domain. International Journal of Geographical Information Science, 2014, 28, 1209-1232.	2.2	11
482	IncOrder: Incremental density-based community detection in dynamic networks. Knowledge-Based Systems, 2014, 72, 1-12.	4.0	28
483	Ubicon and its applications for ubiquitous social computing. New Review of Hypermedia and Multimedia, 2014, 20, 53-77.	0.9	35
484	Tie strength distribution in scientific collaboration networks. Physical Review E, 2014, 90, 032804.	0.8	26
485	Semi-supervised community detection based on discrete potential theory. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 173-182.	1.2	21
486	Detecting the dynamics of urban structure through spatial network analysis. International Journal of Geographical Information Science, 2014, 28, 2178-2199.	2.2	368
487	Revealing cell assemblies at multiple levels of granularity. Journal of Neuroscience Methods, 2014, 236, 92-106.	1.3	30
488	Community Detection in Social Networks. Applied Mechanics and Materials, 0, 496-500, 2174-2177.	0.2	5
489	Querying k-truss community in large and dynamic graphs. , 2014, , .		308
490	Community detection by graph Voronoi diagrams. New Journal of Physics, 2014, 16, 063007.	1.2	22
491	Improving data forwarding in Mobile Social Networks with infrastructure support: A space-crossing community approach. , 2014, , .		17
492	Diffusing through Disciplines: Insiders, Outsiders, and Socially Influenced Citation Behavior. Social Forces, 2014, 93, 355-382.	0.9	30
493	Graph Wavelets for Multiscale Community Mining. IEEE Transactions on Signal Processing, 2014, 62, 5227-5239.	3.2	113
494	Memory in network flows and its effects on spreading dynamics and community detection. Nature Communications, 2014, 5, 4630.	5.8	279
495	Community analysis in directed networks: In-, out-, and pseudocommunities. Physical Review E, 2014, 89, 012814.	0.8	12
496	Assortifying Networks. New Generation Computing, 2014, 32, 297-308.	2.5	0
497	BFF: A tool for eliciting tie strength and user communities in social networking services. Information Systems Frontiers, 2014, 16, 225-237.	4.1	38

#	Article	IF	CITATIONS
498	Bootstrapping on Undirected Binary Networks Via Statistical Mechanics. Journal of Statistical Physics, 2014, 156, 823-842.	0.5	9
499	Interaction Patterns between <i>Potato Virus Y</i> and elF4E-Mediated Recessive Resistance in the Solanaceae. Journal of Virology, 2014, 88, 9799-9807.	1.5	23
500	Modeling dual-scale epidemic dynamics on complex networks with reaction diffusion processes. Journal of Zhejiang University: Science C, 2014, 15, 265-274.	0.7	4
501	Theory and Applications of Satisfiability Testing – SAT 2014. Lecture Notes in Computer Science, 2014, , .	1.0	2
502	Identifying extract class refactoring opportunities for internetware. Science China Information Sciences, 2014, 57, 1-18.	2.7	2
503	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
504	An MDL approach to efficiently discover communities in bipartite network. Journal of Central South University, 2014, 21, 1353-1367.	1.2	3
505	Network measures predict neuropsychological outcome after brain injury. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14247-14252.	3.3	240
506	An edge-centric perspective on the human connectome: link communities in the brain. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130527.	1.8	51
507	Characteristic times of biased random walks on complex networks. Physical Review E, 2014, 89, 012803.	0.8	67
508	A Review on Applications of Graph Theory in Network Analysis of Biological Processes. International Journal of Intelligent Computing in Medical Sciences and Image Processing, 2014, 6, 27-43.	0.5	2
510	Modularity revisited: A novel dynamics-based concept for decomposing complex networks. Journal of Computational Dynamics, 2014, 1, 191-212.	0.4	14
511	The great entanglement: The contagious capacity of the international banking network just before the 2008 crisis. Journal of Banking and Finance, 2014, 49, 367-385.	1.4	18
512	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
513	Anti-modularity and anti-community detecting in complex networks. Information Sciences, 2014, 275, 293-313.	4.0	29
514	Cultural scene detection using reverse Louvain optimization. Science of Computer Programming, 2014, 95, 44-72.	1.5	13
515	Journal topic citation potential and between-field comparisons: The topic normalized impact factor. Journal of Informetrics, 2014, 8, 406-418.	1.4	26
516	Disrupted modular organization of resting-state cortical functional connectivity in U.S. military personnel following concussive †mild†blast-related traumatic brain injury. NeuroImage, 2014, 84, 76-96.	2.1	120

#	ARTICLE	IF	CITATIONS
517	Complex Network Clustering by Multiobjective Discrete Particle Swarm Optimization Based on Decomposition. IEEE Transactions on Evolutionary Computation, 2014, 18, 82-97.	7.5	323
518	Non-parametric Bayesian graph models reveal community structure in resting state fMRI. Neurolmage, 2014, 100, 301-315.	2.1	15
519	Analyzing evolution of research topics with NEViewer: a new method based on dynamic co-word networks. Scientometrics, 2014, 101, 1253-1271.	1.6	44
520	Remodeling the network for microgroup detection on microblog. Knowledge and Information Systems, 2014, 39, 643-665.	2.1	7
521	A Biclustering Framework for Consensus Problems. SIAM Journal on Imaging Sciences, 2014, 7, 2488-2525.	1.3	10
522	A testing based extraction algorithm for identifying significant communities in networks. Annals of Applied Statistics, 2014, 8, .	0.5	27
523	Hydrodynamic provinces and oceanic connectivity from a transport network help designing marine reserves. Geophysical Research Letters, 2014, 41, 2883-2891.	1.5	155
524	Giving online support: individual and social processes in a domestic violence forum. International Journal of Web Based Communities, 2014, 10, 147.	0.2	6
525	Mapping the temporal evolution of scientific community structures. Proceedings of the American Society for Information Science and Technology, 2014, 51, 1-4.	0.2	0
527	A Guide to Selecting a Network Similarity Method. , 2014, , .		33
528	Community Detection in Complex Networks Using Coupled Kuramoto Oscillators. , 2014, , .		1
529	Relative centrality and local community detection. Network Science, 2015, 3, 445-479.	0.8	16
530	Characterization of the live salmonid movement network in Ireland: Implications for disease prevention and control. Preventive Veterinary Medicine, 2015, 122, 195-204.	0.7	20
531	De-anonymizing social networks: Using user interest as a side-channel., 2015,,.		6
532	Patent overlay maps: Spain and the Basque Country. International Journal of Technology Management, 2015, 69, 261.	0.2	4
533	Evaluating accuracy of community detection using the relative normalized mutual information. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P11006.	0.9	49
534	Accelerating Link Community Detection in Social Networks. , 2015, , .		1
535	TL-GSO: - A hybrid approach to mine communities from social networks. , 2015, , .		6

#	Article	IF	CITATIONS
536	Near Linear-Time Community Detection in Networks with Hardly Detectable Community Structure. , 2015, , .		3
537	The dynamics of journalâ€journal citation relations: Can "hot spots―in the sciences be mapped?. Proceedings of the Association for Information Science and Technology, 2015, 52, 1-4.	0.3	1
538	Prognostic models in coronary artery disease: Cox and network approaches. Royal Society Open Science, 2015, 2, 140270.	1.1	3
539	Community-Preserving Generalization of Social Networks. , 2015, , .		5
540	Detecting Communities Based on Network Topology. Scientific Reports, 2014, 4, 5739.	1.6	53
541	Modularity and the spread of perturbations in complex dynamical systems. Physical Review E, 2015, 92, 060801.	0.8	7
542	High-Reproducibility and High-Accuracy Method for Automated Topic Classification. Physical Review X, 2015, 5, .	2.8	45
543	Model Selection and Hypothesis Testing for Large-Scale Network Models with Overlapping Groups. Physical Review X, 2015, 5, .	2.8	52
544	Leveraging disjoint communities for detecting overlapping community structure. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P05017.	0.9	19
545	Ground-state phase-space structures of two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>±</mml:mo><mml:mi>J<td>ni>@/8nml:r</td><td>mrew></td></mml:mi></mml:mrow></mml:math>	ni> @/8 nml:r	mr e w>
546	Generalised measures for the evaluation of community detection methods. International Journal of Social Network Mining, 2015, 2, 44.	0.2	25
547	Mod-M \tilde{A}^{1} /Ilner: an efficient algorithm for hierarchical community analysis in large networks. International Journal of Social Network Mining, 2015, 2, 133.	0.2	1
548	Community Detection in Signed Networks: the Role of Negative ties in Different Scales. Scientific Reports, 2015, 5, 14339.	1.6	54
549	Detection of gene communities in multi-networks reveals cancer drivers. Scientific Reports, 2015, 5, 17386.	1.6	91
550	Fast community structure local uncovering by independent vertex-centred process. , 2015, , .		2
551	Random surfers on a web encyclopedia. , 2015, , .		5
552	Homophyly/Kinship Model: Naturally Evolving Networks. Scientific Reports, 2015, 5, 15140.	1.6	10
553	Network Structure and Community Evolution on Twitter: Human Behavior Change in Response to the 2011 Japanese Earthquake and Tsunami. Scientific Reports, 2014, 4, 6773.	1.6	80

#	Article	IF	CITATIONS
554	Structure of local interactions in complex financial dynamics. Scientific Reports, 2014, 4, 5321.	1.6	58
555	Identifying robust communities and multi-community nodes by combining top-down and bottom-up approaches to clustering. Scientific Reports, 2015, 5, 16361.	1.6	74
556	Flow networks: A characterization of geophysical fluid transport. Chaos, 2015, 25, 036404.	1.0	100
557	Hierarchical networks of scientific journals. Palgrave Communications, 2015, 1, .	4.7	21
558	Comparing and modelling land use organization in cities. Royal Society Open Science, 2015, 2, 150449.	1.1	63
559	OCMiner: A density-based overlapping community detection method for social networks. Intelligent Data Analysis, 2015, 19, 917-947.	0.4	16
560	Approximate closest community search in networks. Proceedings of the VLDB Endowment, 2015, 9, 276-287.	2.1	141
561	The role of endogenous and exogenous mechanisms in the formation of R&D networks. Scientific Reports, 2015, 4, 5679.	1.6	40
562	Multi-resolution Community Discovery from Signed Networks Based on Novel Particle Swarm Optimization. , 2015, , .		0
563	ModulGraph., 2015, , .		6
564	Social Circle Discovery in Ego-Networks by Mining the Latent Structure of User Connections and Profile Attributes. , 2015 , , .		5
565	A new image segmentation approach using community detection algorithms. , 2015, , .		8
566	A simple phenomenological model for time evolution of social networks. Journal of Physics: Conference Series, 2015, 604, 012010.	0.3	0
567	The use of colocation and flow networks in mobile crowdsourcing. , 2015, , .		1
568	Network structure exploration via Bayesian nonparametric models. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P10004.	0.9	4
569	Review on community detection algorithms in social networks. , 2015, , .		19
570	The Dark Side of Brokerage: Conflicts Between Individual and Collective Pursuits of Innovation. Proceedings - Academy of Management, 2015, 2015, 11819.	0.0	1
571	Network Community Detection on Metric Space. Algorithms, 2015, 8, 680-696.	1.2	5

#	Article	IF	CITATIONS
572	Novel R tools for analysis of genome-wide population genetic data with emphasis on clonality. Frontiers in Genetics, 2015, 6, 208.	1.1	710
573	Detecting modules in biological networks by edge weight clustering and entropy significance. Frontiers in Genetics, 2015, 6, 265.	1.1	22
574	Identification of functional networks in resting state fMRI data using adaptive sparse representation and affinity propagation clustering. Frontiers in Neuroscience, 2015, 9, 383.	1.4	33
575	Heat-Passing Framework for Robust Interpretation of Data in Networks. PLoS ONE, 2015, 10, e0116121.	1.1	O
576	Probabilistic Clustering of the Human Connectome Identifies Communities and Hubs. PLoS ONE, 2015, 10, e0117179.	1.1	25
577	SPINE: SParse elgengene NEtwork Linking Gene Expression Clusters in Dehalococcoides mccartyi to Perturbations in Experimental Conditions. PLoS ONE, 2015, 10, e0118404.	1.1	3
578	A Stochastic Model for Detecting Overlapping and Hierarchical Community Structure. PLoS ONE, 2015, 10, e0119171.	1.1	12
579	Mining the Modular Structure of Protein Interaction Networks. PLoS ONE, 2015, 10, e0122477.	1.1	7
580	A Modularity-Based Method Reveals Mixed Modules from Chemical-Gene Heterogeneous Network. PLoS ONE, 2015, 10, e0125585.	1.1	2
581	Multi-Objective Community Detection Based on Memetic Algorithm. PLoS ONE, 2015, 10, e0126845.	1.1	34
582	Multiscale Embedded Gene Co-expression Network Analysis. PLoS Computational Biology, 2015, 11, e1004574.	1.5	229
583	Community Structure Analysis of Transcriptional Networks Reveals Distinct Molecular Pathways for Early- and Late-Onset Temporal Lobe Epilepsy with Childhood Febrile Seizures. PLoS ONE, 2015, 10, e0128174.	1.1	14
584	Information Filtering via Heterogeneous Diffusion in Online Bipartite Networks. PLoS ONE, 2015, 10, e0129459.	1.1	8
585	Characterization and Detection of ϵ-Berge-Zhukovskii Equilibria. PLoS ONE, 2015, 10, e0131983.	1.1	4
586	Effects of Edge Directions on the Structural Controllability of Complex Networks. PLoS ONE, 2015, 10, e0135282.	1.1	12
587	A Shadowing Problem in the Detection of Overlapping Communities: Lifting the Resolution Limit through a Cascading Procedure. PLoS ONE, 2015, 10, e0140133.	1.1	5
588	The Distribution of the Asymptotic Number of Citations to Sets of Publications by a Researcher or from an Academic Department Are Consistent with a Discrete Lognormal Model. PLoS ONE, 2015, 10, e0143108.	1.1	23
589	Analyzing the Evolution and the Future of the Internet Topology Focusing on Flow Hierarchy. Journal of Computer Networks and Communications, 2015, 2015, 1-18.	1.2	5

#	Article	IF	CITATIONS
590	Mapping bilateral information interests using the activity of Wikipedia editors. Palgrave Communications, $2015,1,.$	4.7	13
591	SHOPIN. Advances in Protein Chemistry and Structural Biology, 2015, 101, 323-349.	1.0	2
592	Effective Semisupervised Community Detection Using Negative Information. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	2
593	Detecting Communities in 2-Mode Networks via Fast Nonnegative Matrix Trifactorization. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	4
594	Linguistic influence patterns within the global network of Wikipedia language editions., 2015,,.		1
595	Identification of hybrid node and link communities in complex networks. Scientific Reports, 2015, 5, 8638.	1.6	36
596	CenLP: A centrality-based label propagation algorithm for community detection in networks. Physica A: Statistical Mechanics and Its Applications, 2015, 436, 767-780.	1.2	26
597	Punctuated equilibrium in the large-scale evolution of programming languages . Journal of the Royal Society Interface, 2015, 12, 20150249.	1.5	42
598	A Survey of Community Detection Algorithms Based On Analysis-Intent. Advances in Information Security, 2015, , 237-263.	0.9	1
599	Modeling influence diffusion to uncover influence centrality and community structure in social networks. Social Network Analysis and Mining, 2015, 5, 1.	1.9	6
602	Expected Nodes: A Quality Function for the Detection of Link Communities. Studies in Computational Intelligence, 2015, , 57-64.	0.7	0
603	Group size affects social relationships in yellow-bellied marmots (Marmota flaviventris). Behavioral Ecology, 2015, 26, 909-915.	1.0	22
604	Relevance of Negative Links in Graph Partitioning: A Case Study Using Votes from the European Parliament. , 2015 , , .		4
605	Detecting Communities of Methods Using Dynamic Analysis Data. , 2015, , .		0
606	Finding Hierarchical Communities in Complex Networks Using Influence-Guided Label Propagation. , 2015, , .		5
607	Unveiling the structure of multi-attributed networks via joint non-negative matrix factorization. , 2015, , .		5
608	Data Mining for Efficient Collaborative Information Discovery. , 2015, , .		4
609	Fusion based approach to discovering social circles in EGO networks. , 2015, , .		1

#	Article	IF	CITATIONS
610	Long-term neural and physiological phenotyping of a single human. Nature Communications, 2015, 6, 8885.	5.8	353
611	Community-centric analysis of user engagement in Skype social network. , 2015, , .		10
612	Detecting Real-World Influence through Twitter. , 2015, , .		33
613	Tracking the evolution of community structures in time-evolving social networks. , 2015, , .		16
614	Evaluation of Community Mining Algorithms in the Presence of Attributes. Lecture Notes in Computer Science, 2015, , 152-163.	1.0	2
615	An improved algorithm for community discovery in social networks based on label propagation. , 2015, , .		2
616	The Impacts of Network Structure on User Activity Level in Online Social Networks. , 2015, , .		1
617	Reinventing the Triangles: Rule of Thumb for Assessing Detectability. , 2015, , .		0
618	Predicting disease genes based on normalized protein modules and phenotype ontology. , 2015, , .		3
619	Community Detection Algorithm Based on the Scale Free Property of Networks. , 2015, , .		1
620	WebOCD., 2015,,.		2
621	Community Detection in Multiplex Networks using Locally Adaptive Random Walks. , 2015, , .		53
622	Dynamic community detection based on game theory in social networks., 2015,,.		10
623	A survey of results on mobile phone datasets analysis. EPJ Data Science, 2015, 4, .	1.5	405
624	Enhancing the Utility of Community Detection Research. Procedia Manufacturing, 2015, 3, 4098-4105.	1.9	0
626	Using local utility maximization to detect social networks communities. , 2015, , .		3
627	Identifying Diffusion Sources in Large Networks: A Community Structure Based Approach., 2015,,.		1
628	Community detection in social networks using ant colony algorithm and fuzzy clustering. , 2015, , .		7

#	Article	IF	CITATIONS
629	Mining top-k influential nodes in social networks via community detection. International Journal of Information Technology and Management, 2015, 14, 172.	0.1	1
630	HLPA: A hybrid label propagation algorithm to find communities in large-scale networks. , 2015, , .		6
631	Social significance of community structure: Statistical view. Physical Review E, 2015, 91, 012801.	0.8	109
632	Characterizing heterogeneity in children with and without ADHD based on reward system connectivity. Developmental Cognitive Neuroscience, 2015, 11, 155-174.	1.9	110
633	Revealing travel patterns and city structure with taxi trip data. Journal of Transport Geography, 2015, 43, 78-90.	2.3	325
634	Mapping change in the overnight money market. Physica A: Statistical Mechanics and Its Applications, 2015, 424, 44-51.	1.2	10
635	Detecting overlapping communities in networks via dominant label propagation. Chinese Physics B, 2015, 24, 018703.	0.7	17
636	Large-scale community detection based on node membership grade and sub-communities integration. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 279-294.	1.2	35
637	The Chinese Correction of February 2007: How financial hierarchies change in a market crash. Physica A: Statistical Mechanics and Its Applications, 2015, 424, 225-241.	1.2	12
638	A social network model driven by events and interests. Expert Systems With Applications, 2015, 42, 4229-4238.	4.4	13
639	Community mining with new node similarity by incorporating both global and local topological knowledge in a constrained random walk. Physica A: Statistical Mechanics and Its Applications, 2015, 424, 363-371.	1.2	5
640	Think locally, act locally: Detection of small, medium-sized, and large communities in large networks. Physical Review E, 2015, 91, 012821.	0.8	88
641	Visualizing the Evolution of Communities in Dynamic Graphs. Computer Graphics Forum, 2015, 34, 277-288.	1.8	56
642	An overlapping semantic community detection algorithm base on the ARTs multiple sampling models. Expert Systems With Applications, 2015, 42, 3420-3432.	4.4	20
643	Exploratory Analysis of Communities in Co-authorship Networks: A Case Study. Advances in Intelligent Systems and Computing, 2015, , 55-64.	0.5	13
644	A novel dynamical community detection algorithm based on weighting scheme. International Journal of Modern Physics C, 2015, 26, 1550091.	0.8	4
645	Estimating the resolution limit of the map equation in community detection. Physical Review E, 2015, 91, 012809.	0.8	52
646	Steady state and mean recurrence time for random walks on stochastic temporal networks. Physical Review E, 2015, 91, 012806.	0.8	21

#	Article	IF	CITATIONS
648	An early warning indicator for atmospheric blocking events using transfer operators. Chaos, 2015, 25, 036406.	1.0	46
649	An entropy-based social network community detecting method and its application to scientometrics. Scientometrics, 2015, 102, 1003-1017.	1.6	12
650	Potential induced random teleportation on finite graphs. Computational Optimization and Applications, 2015, 61, 689-711.	0.9	1
651	Fast Disjoint and Overlapping Community Detection. Lecture Notes in Computer Science, 2015, , 153-179.	1.0	3
652	Anonymizing graphs: measuring quality for clustering. Knowledge and Information Systems, 2015, 44, 507-528.	2.1	15
653	Cascading failures of interdependent modular scale-free networks with different coupling preferences. Europhysics Letters, 2015, 111, 18007.	0.7	36
654	A similarity-based community detection method with multiple prototype representation. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 519-531.	1,2	14
655	FOCS: Fast Overlapped Community Search. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 2974-2985.	4.0	29
656	NETWORK HETEROGENEITY AND NODE CAPACITY LEAD TO HETEROGENEOUS SCALING OF FLUCTUATIONS IN RANDOM WALKS ON GRAPHS. International Journal of Modeling, Simulation, and Scientific Computing, 2015, 18, 1550007.	0.9	3
657	The Molecular Clock of Neutral Evolution Can Be Accelerated or Slowed by Asymmetric Spatial Structure. PLoS Computational Biology, 2015, 11, e1004108.	1.5	38
658	Considering student retention as a complex system: a possible way forward for enhancing student retention. European Journal of Engineering Education, 2015, 40, 235-255.	1.5	11
659	A novel disjoint community detection algorithm for social networks based on backbone degree and expansion. Expert Systems With Applications, 2015, 42, 8349-8360.	4.4	34
660	Hologenome theory supported by cooccurrence networks of species-specific bacterial communities in siphonous algae (<i>Caulerpa</i>). FEMS Microbiology Ecology, 2015, 91, fiv067.	1.3	55
661	Distributed Community Detection with the WCC Metric. , 2015, , .		10
662	Functional System and Areal Organization of a Highly Sampled Individual Human Brain. Neuron, 2015, 87, 657-670.	3.8	785
663	The frequency dimension of fMRI dynamic connectivity: Network connectivity, functional hubs and integration in the resting brain. Neurolmage, 2015, 121, 227-242.	2.1	115
664	Human diffusion and city influence. Journal of the Royal Society Interface, 2015, 12, 20150473.	1.5	40
665	Link Prediction in Linked Data of Interspecies Interactions Using Hybrid Recommendation Approach. Lecture Notes in Computer Science, 2015, , 113-128.	1.0	4

#	Article	IF	CITATIONS
666	Improving the quality of overlapping community detection through link addition based on topic similarity. , $2015, , .$		3
667	Exploring community structure of software Call Graph and its applications in class cohesion measurement. Journal of Systems and Software, 2015, 108, 193-210.	3.3	42
668	Identifying Modular Flows on Multilayer Networks Reveals Highly Overlapping Organization in Interconnected Systems. Physical Review X, 2015, 5, .	2.8	178
669	Community discovery by propagating local and global information based on the MapReduce model. Information Sciences, 2015, 323, 73-93.	4.0	68
670	A network approach for identifying and delimiting biogeographical regions. Nature Communications, 2015, 6, 6848.	5.8	183
671	Multiple leaders on a multilayer social media. Chaos, Solitons and Fractals, 2015, 72, 90-98.	2.5	30
672	Sampling promotes community structure in social and information networks. Physica A: Statistical Mechanics and Its Applications, 2015, 432, 206-215.	1.2	13
673	Dynamic subfield analysis of disciplines: an examination of the trading impact and knowledge diffusion patterns of computer science. Scientometrics, 2015, 104, 335-359.	1.6	18
675	Space-Crossing: Community-Based Data Forwarding in Mobile Social Networks Under the Hybrid Communication Architecture. IEEE Transactions on Wireless Communications, 2015, 14, 4720-4727.	6.1	13
676	A memetic algorithm for computing and transforming structural balance in signed networks. Knowledge-Based Systems, 2015, 85, 196-209.	4.0	39
677	Community detection using local neighborhood in complex networks. Physica A: Statistical Mechanics and Its Applications, 2015, 436, 665-677.	1.2	65
678	Defining and identifying cograph communities in complex networks. New Journal of Physics, 2015, 17, 013044.	1.2	34
679	Mixing Network Extremal Optimization for Community Structure Detection. Lecture Notes in Computer Science, 2015, , 126-137.	1.0	5
680	Environmentally induced phenotypic variation in wild yellow-bellied marmots. Journal of Mammalogy, 2015, 96, 269-278.	0.6	26
681	Use of Local Group Information to Identify Communities in Networks. ACM Transactions on Knowledge Discovery From Data, 2015, 9, 1-27.	2.5	10
682	Smart Rewiring: Improving Network Robustness Faster. Chinese Physics Letters, 2015, 32, 078901.	1.3	12
684	Discovering Family Groups in Passenger Social Networks. Journal of Computer Science and Technology, 2015, 30, 1141-1153.	0.9	2
685	Discovery of Complex User Communities. Human-computer Interaction Series, 2015, , 1-22.	0.4	0

#	Article	IF	Citations
686	Modeling Evolutionary Group Search Optimization Approach for Community Detection in Social Networks. , 2015, , .		7
687	From Local to Global Communities in Large Networks Through Consensus. Lecture Notes in Computer Science, 2015, , 659-666.	1.0	1
688	An Algorithm for Detecting Communities in Social Networks. Journal of Mathematical Sciences, 2015, 211, 310-318.	0.1	0
689	ldentification of overlapping community structure with Grey Relational Analysis in social networks. , 2015, , .		1
690	g-Miner., 2015,,.		30
691	Mapping The Evolution of Scientific Community Structures in Time. , 2015, , .		2
692	Community detection in multiplex social networks., 2015,,.		7
693	Segmentation and evolution of urban areas in Beijing: A view from mobility data of massive individuals. , $2015, $, .		1
694	Mitigation of malicious attacks on network observation. International Journal of Modern Physics C, 2015, 26, 1550108.	0.8	3
695	Topic dynamics in Weibo: a comprehensive study. Social Network Analysis and Mining, 2015, 5, 1.	1.9	7
696	Interpreting communities based on the evolution of a dynamic attributed network. Social Network Analysis and Mining, 2015, 5, 1.	1.9	9
697	Application-driven bandwidth guarantees in datacenters. Computer Communication Review, 2015, 44, 467-478.	1.5	50
698	Modelling spatial distributions of alpine vegetation: A graph theory approach to delineate ecologically-consistent species assemblages. Ecological Informatics, 2015, 30, 196-202.	2.3	18
699	Link prediction in social networks using hierarchical community detection., 2015,,.		10
700	Expected time-invariant effects of biological traits on mammal species duration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13015-13020.	3.3	29
701	Individual Variability of the System-Level Organization of the Human Brain. Cerebral Cortex, 2017, 27, bhv239.	1.6	166
702	Improve Network Clustering via Diversified Ranking. Lecture Notes in Computer Science, 2015, , 104-115.	1.0	1
703	Finding Overlapping Communities with Random Walks on Line Graph and Attraction Intensity. Lecture Notes in Computer Science, 2015, , 94-103.	1.0	3

#	Article	IF	CITATIONS
704	Tradition and Innovation in Scientists' Research Strategies. American Sociological Review, 2015, 80, 875-908.	2.8	364
706	Generalization of clustering agreements and distances for overlapping clusters and network communities. Data Mining and Knowledge Discovery, 2015, 29, 1458-1485.	2.4	11
707	A parameter-free community detection method based on centrality and dispersion of nodes in complex networks. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 321-334.	1.2	41
708	Lexical shifts, substantive changes, and continuity in State of the Union discourse, 1790–2014. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10837-10844.	3.3	107
709	Fast Search to Detect Communities by Truncated Inverse Page Rank in Social Networks. , 2015, , .		1
710	Community Detection based on Distance Dynamics. , 2015, , .		108
712	Algorithm for Retrieval of Sub-community Graph from a Compressed Community Graph Using Graph Mining Techniques. Procedia Computer Science, 2015, 57, 678-685.	1.2	4
713	The modular and integrative functional architecture of the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6798-807.	3.3	474
714	Trends and Applications in Knowledge Discovery and Data Mining. Lecture Notes in Computer Science, 2015, , .	1.0	0
715	Overlapping community detection using neighborhood ratio matrix. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 510-521.	1.2	51
716	Identifying Sparse Connectivity Patterns in the brain using resting-state fMRI. NeuroImage, 2015, 105, 286-299.	2.1	81
717	Greedy discrete particle swarm optimization for large-scale social network clustering. Information Sciences, 2015, 316, 503-516.	4.0	108
718	Meso-level retrieval: IR-bibliometrics interplay and hybrid citation-words methods in scientific fields delineation. Scientometrics, 2015, 102, 2223-2245.	1.6	20
719	An information-theoretic approach for detecting communities in networks. Quality and Quantity, 2015, 49, 1719-1733.	2.0	2
720	Linked Sex Differences in Cognition and Functional Connectivity in Youth. Cerebral Cortex, 2015, 25, 2383-2394.	1.6	302
721	An approach to the author citation potential: measures of scientific performance which are invariant across scientific fields. Scientometrics, 2015, 102, 1467-1496.	1.6	7
722	An on-line sequential learning method in social networks for node classification. Neurocomputing, 2015, 149, 207-214.	3.5	10
723	Detecting community structure via synchronous label propagation. Neurocomputing, 2015, 151, 1063-1075.	3.5	27

#	Article	IF	CITATIONS
724	Online foresight platforms: Evidence for their impact on scenario planning & Evidence for Evidence for their impact on scenario planning & Evidence for Evidence for their impact on scenario planning & Evidence for Evidence for their impact on scenario planning & Evidence for Evidence for their impact on scenario planning & Evidence for E	6.2	62
725	Using Network Models to Analyze Old Chinese Rhyme Data (甓網絡擡型來å^†æžå∰»£æ¼¢èªžçš"éŸ»æ¯æ• 218-241.	據), Bull 0.1	etip of Chine
726	Publishing Patterns in BRIC Countries: A Network Analysis. Publications, 2016, 4, 20.	1.9	5
728	Detection of network communities with memory-biased random walk algorithms. Journal of Complex Networks, 0, , cnw007.	1.1	2
729	Edge-attractor random walks on dynamic networks. Journal of Complex Networks, 0, , cnw009.	1.1	1
730	Comparing local search paths with global search paths on protein residue networks: allosteric communication. Journal of Complex Networks, 0, , cnw020.	1.1	2
731	Incremental Density-Based Link Clustering Algorithm for Community Detection in Dynamic Networks. Mathematical Problems in Engineering, 2016, 2016, 1-11.	0.6	15
732	A Neighborhood-Impact Based Community Detection Algorithm via Discrete PSO. Mathematical Problems in Engineering, 2016, 2016, 1-15.	0.6	10
733	Investigating "Locality―of Intra-Urban Spatial Interactions in New York City Using Foursquare Data. ISPRS International Journal of Geo-Information, 2016, 5, 43.	1.4	10
734	A Monte Carlo Evaluation of Weighted Community Detection Algorithms. Frontiers in Neuroinformatics, 2016, 10, 45.	1.3	66
735	Resting State Functional Connectivity MRI among Spectral MEG Current Sources in Children on the Autism Spectrum. Frontiers in Neuroscience, 2016, 10, 258.	1.4	10
736	Portraying Temporal Dynamics of Urban Spatial Divisions with Mobile Phone Positioning Data: A Complex Network Approach. ISPRS International Journal of Geo-Information, 2016, 5, 240.	1.4	22
737	Network Analysis and Visualization of Mouse Retina Connectivity Data. PLoS ONE, 2016, 11, e0158626.	1.1	2
738	Analysis of Network Clustering Algorithms and Cluster Quality Metrics at Scale. PLoS ONE, 2016, 11, e0159161.	1.1	143
739	A Multi-Method Approach for Proteomic Network Inference in 11 Human Cancers. PLoS Computational Biology, 2016, 12, e1004765.	1.5	32
740	Z-Score-Based Modularity for Community Detection in Networks. PLoS ONE, 2016, 11, e0147805.	1.1	26
741	Does Size Matter? The Multipolar International Landscape of Nanoscience. PLoS ONE, 2016, 11, e0166914.	1.1	5
742	A Biased Review of Biases in Twitter Studies on Political Collective Action. Frontiers in Physics, 2016, 4, .	1.0	24

#	ARTICLE	IF	CITATIONS
743	Community Structure Reveals Biologically Functional Modules in MEF2C Transcriptional Regulatory Network. Frontiers in Physiology, 2016, 7, 184.	1.3	37
744	Nearest Neighbor Search in the Metric Space of a Complex Network for Community Detection. Information (Switzerland), 2016, 7, 17.	1.7	7
745	A Study on Pattern-Based Spectral Clustering Methods in DWN. , 2016, , .		0
746	Optimizing complex networks controllability by local structure information. International Journal of Modern Physics C, 2016, 27, 1650115.	0.8	1
747	BlackHole: Robust community detection inspired by graph drawing., 2016,,.		9
748	Higher-order organization of complex networks. Science, 2016, 353, 163-166.	6.0	708
749	Using pathâ€based approaches to examine the dynamic structure of disciplineâ€evel citation networks: 1997–2011. Journal of the Association for Information Science and Technology, 2016, 67, 1943-1955.	1.5	7
750	Representing higher-order dependencies in networks. Science Advances, 2016, 2, e1600028.	4.7	117
751	Consensus and multiplex approach for community detection in attributed networks., 2016,,.		9
752	Dynamical origins of the community structure of an online multi-layer society. New Journal of Physics, 2016, 18, 083045.	1.2	24
753	Forming Grouped Teams with Efficient Collaboration in Social Networks. Computer Journal, 0, , .	1.5	2
754	Community-based delurking in social networks. , 2016, , .		12
755	Modularity and stability in ecological communities. Nature Communications, 2016, 7, 12031.	5.8	208
756	Limited random walk algorithm for big graph data clustering. Journal of Big Data, 2016, 3, .	6.9	17
757	Link community detection by non-negative matrix factorization with multi-step similarities. Modern Physics Letters B, 2016, 30, 1650370.	1.0	3
758	Non-sharing communities? An empirical study of community detection for access control decisions. , 2016, , .		7
759	Applying Community Detection Methods to Cluster Tags in Multimedia Search Results. , 2016, , .		3
760	An incremental local-first community detection method for dynamic graphs. , 2016, , .		6

#	Article	IF	CITATIONS
761	Dynamic Clustering in Social Networks Using Louvain and Infomap Method., 2016,,.		9
762	Efficient and Scalable Detection of Overlapping Communities in Big Networks. , 2016, , .		4
763	Activity Detection from Email Meta-Data Clustering. , 2016, , .		0
764	Quick Community Detection of Big Graph Data Using Modified Louvain Algorithm. , 2016, , .		1
765	Relational Synthesis of Text and Numeric Data for Anomaly Detection on Computing System Logs. , 2016, , .		13
766	Estimating Services Flows. , 2016, , 33-50.		0
767	Spatial competition and contestability based on choice histories of consumers. Papers in Regional Science, 2016, 95, 877-895.	1.0	8
768	Community Detection in Location-Based Social Networks: An Entropy-Based Approach. , 2016, , .		5
769	Mining complex hyperspectral ALMA cubes for structure with neural machine learning. , 2016, , .		6
770	TribeFlow., 2016,,.		23
771	Core Community Detection Algorithm based on Edge Removal Learning. , 2016, , .		0
772	Community detection in social networks using a hybrid swarm intelligence approach. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2016, 19, 255-267.	0.7	3
773	Multi-objective population-based incremental learning for community structure detection., 2016,,.		0
774	Using higher-order Markov models to reveal flow-based communities in networks. Scientific Reports, 2016, 6, 23194.	1.6	38
775	A Novel Social Event Organization Approach for Diverse User Choices. Computer Journal, 0, , .	1.5	7
776	Three-Dimensional Gene Map of Cancer Cell Types: Structural Entropy Minimisation Principle for Defining Tumour Subtypes. Scientific Reports, 2016, 6, 20412.	1.6	11
777	A multi-objective genetic algorithm for community detection in weighted networks. , 2016, , .		12
778	Frequent Subgraph Based Familial Classification of Android Malware. , 2016, , .		37

#	Article	IF	CITATIONS
779	Spectral Entropies as Information-Theoretic Tools for Complex Network Comparison. Physical Review $X,2016,6,.$	2.8	66
780	Ensemble-based algorithms to detect disjoint and overlapping communities in networks. , 2016, , .		5
781	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
782	An interaction-based approach to detecting highly interactive Twitter communities using tweeting links. Web Intelligence, 2016, 14, 1-15.	0.1	23
783	Modular structure of brain functional networks: breaking the resolution limit by Surprise. Scientific Reports, 2016, 6, 19250.	1.6	63
784	Multi-resolution community detection in massive networks. Scientific Reports, 2016, 6, 38998.	1.6	13
785	Community detection in complex networks based on DBSCAN* and a Martingale process. , 2016, , .		6
786	Community detection in graphs based on surprise maximization using firefly heuristics. , 2016, , .		9
787	Perturb-Seq: Dissecting Molecular Circuits with Scalable Single-Cell RNA Profiling of Pooled Genetic Screens. Cell, 2016, 167, 1853-1866.e17.	13.5	1,144
788	Motif-based embedding for graph clustering. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 123401.	0.9	7
789	A comparison of methods for cascade prediction. , 2016, , .		3
790	Mining social interactions in privacy-preserving temporal networks. , 2016, , .		10
791	Dynamical detection of network communities. Scientific Reports, 2016, 6, 25570.	1.6	17
792	Uncovering disease mechanisms through network biology in the era of Next Generation Sequencing. Scientific Reports, 2016, 6, 24570.	1.6	29
793	Analyzing the usage of social media during spanish presidential electoral campaigns. , 2016, , .		3
794	Info-Clustering: A Mathematical Theory for Data Clustering. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2016, 2, 64-91.	1.4	20
795	Finding Communities by Their Centers. Scientific Reports, 2016, 6, 24017.	1.6	20
796	Monitoring Collective Attention During Disasters. , 2016, , .		1

#	Article	IF	CITATIONS
797	Additional Dimensions to the Study of Funnels in Combinatorial Landscapes., 2016,,.		13
798	Enhancing community detection by using local structural information. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 033405.	0.9	19
799	Kernel Spectral Clustering and Applications. , 2016, , 135-161.		13
800	Gene-based and semantic structure of the Gene Ontology as a complex network. Physica A: Statistical Mechanics and Its Applications, 2016, 458, 313-328.	1.2	2
801	A new network model for the study of scientific collaborations: Romanian computer science and mathematics co-authorship networks. Scientometrics, 2016, 108, 613-632.	1.6	18
802	Community detection in networks based on minimum spanning tree and modularity. Physica A: Statistical Mechanics and Its Applications, 2016, 460, 230-234.	1.2	30
803	Community structure detection based on the neighbor node degree information. International Journal of Modern Physics C, 2016, 27, 1650046.	0.8	17
804	A Recommendation System Based on Hierarchical Clustering of an Article-Level Citation Network. IEEE Transactions on Big Data, 2016, 2, 113-123.	4.4	103
805	Measures of scholarly journal quality are not universally applicable to determining value of advertised annual subscription price. Scientometrics, 2016, 107, 963-973.	1.6	4
806	Dynamic structure evolution of time-dependent network. Physica A: Statistical Mechanics and Its Applications, 2016, 456, 347-358.	1.2	7
807	SONIC: streaming overlapping community detection. Data Mining and Knowledge Discovery, 2016, 30, 819-847.	2.4	8
808	Using network science and text analytics to produce surveys in a scientific topic. Journal of Informetrics, 2016, 10, 487-502.	1.4	94
809	Fast and Accurate Mining the Community Structure: Integrating Center Locating and Membership Optimization. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2349-2362.	4.0	152
810	Mining Online Social Data for Detecting Social Network Mental Disorders. , 2016, , .		35
811	A review of features for the discrimination of twitter users: application to the prediction of offline influence. Social Network Analysis and Mining, 2016, 6, 1.	1.9	23
812	Longitudinal Navigation Log Data on a Large Web Domain. , 2016, , .		1
813	On the Stability of BOLD fMRI Correlations. Cerebral Cortex, 2017, 27, 4719-4732.	1.6	403
814	Community Structure Detection for the Functional Connectivity Networks of the Brain. Lecture Notes in Computer Science, 2016, , 633-643.	1.0	1

#	Article	IF	Citations
815	Detecting Network Community by Propagating Labels Based on Contact-Specific Constraint. Lecture Notes in Electrical Engineering, 2016, , 697-705.	0.3	1
817	A Distinct Gene Module for Dysfunction Uncoupled from Activation in Tumor-Infiltrating T Cells. Cell, 2016, 166, 1500-1511.e9.	13.5	315
818	Simultaneous discovery of cancer subtypes and subtype features by molecular data integration. Bioinformatics, 2016, 32, i445-i454.	1.8	25
819	Community Detection by Consensus Genetic-based Algorithm for Directed Networks. Procedia Computer Science, 2016, 96, 90-99.	1.2	10
820	Enhancing Group Search Optimization with Node Similarities for Detecting Communities. Advances in Intelligent Systems and Computing, 2016, , 303-316.	0.5	1
821	Bipartite Network Analysis of the Archaeal Virosphere: Evolutionary Connections between Viruses and Capsidless Mobile Elements. Journal of Virology, 2016, 90, 11043-11055.	1.5	84
823	A New Randomized Algorithm for Community Detection in Large Networks**The results of the paper have been obtained at IPME RAS under support of Russian Foundation for Basic Research (RFBR) grant 16-07-00890. IFAC-PapersOnLine, 2016, 49, 31-35.	0.5	7
824	Growing Neural Gas as a Memory Mechanism of a Heuristic to Solve a Community Detection Problem in Networks. Procedia Computer Science, 2016, 96, 485-494.	1.2	4
825	Community detection in networks: A user guide. Physics Reports, 2016, 659, 1-44.	10.3	1,426
826	Power-law relations in random networks with communities. Physical Review E, 2016, 94, 012302.	0.8	10
827	An Efficient Memetic Algorithm for Influence Maximization in Social Networks. IEEE Computational Intelligence Magazine, 2016, 11 , $22-33$.	3.4	87
828	Identification of top-K influential communities in big networks. Journal of Big Data, 2016, 3, .	6.9	21
829	Academic Paper Recommendation Based on Community Detection in Citation-Collaboration Networks. Lecture Notes in Computer Science, 2016, , 124-136.	1.0	7
830	Game theory, Extremal optimization, and Community Structure Detection in Complex Networks. , 2016,		2
831	Modularity., 2016,, 303-354.		3
832	Community detection in complex networks using density-based clustering algorithm and manifold learning. Physica A: Statistical Mechanics and Its Applications, 2016, 464, 221-230.	1.2	39
833	Feature identification for predicting community evolution in dynamic social networks. Engineering Applications of Artificial Intelligence, 2016, 55, 202-218.	4.3	30
834	Building knowledge maps of Web graphs. Artificial Intelligence, 2016, 239, 143-167.	3.9	14

#	Article	IF	CITATIONS
835	Comprehensive Classification of Retinal Bipolar Neurons by Single-Cell Transcriptomics. Cell, 2016, 166, 1308-1323.e30.	13.5	1,010
836	Chatty maps: constructing sound maps of urban areas from social media data. Royal Society Open Science, 2016, 3, 150690.	1.1	102
837	Fragmenting networks by targeting collective influencers at a mesoscopic level. Scientific Reports, 2016, 6, 37778.	1.6	8
838	Community structure analysis using label propagation and flow-based ensemble learning., 2016,,.		1
839	Brain network modules of meaningful and meaningless objects., 2016,,.		1
840	Homophilic network decomposition: a community-centric analysis of online social services. Social Network Analysis and Mining, 2016, 6, 1.	1.9	6
842	Comparison method for community detection on brain networks from neuroimaging data. Applied Network Science, 2016, 1, 8.	0.8	18
843	Identifying community structures in dynamic networks. Social Network Analysis and Mining, 2016, 6, 1.	1.9	18
844	Construction of a pragmatic base line for journal classifications and maps based on aggregated journal-journal citation relations. Journal of Informetrics, 2016, 10, 902-918.	1.4	20
845	A survey on game theoretic models for community detection in social networks. Social Network Analysis and Mining, 2016, 6, 1.	1.9	32
846	A corrected normalized mutual information for performance evaluation of community detection. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 093403.	0.9	8
847	Detecting Community Pacemakers of Burst Topic in Twitter. Lecture Notes in Computer Science, 2016, , 245-255.	1.0	0
848	Random Walks on Directed Networks: Inference and Respondent-Driven Sampling. Journal of Official Statistics, 2016, 32, 433-459.	0.1	7
849	A survey on network community detection based on evolutionary computation. International Journal of Bio-Inspired Computation, 2016, 8, 84.	0.6	98
850	Traveling salesman problems with PageRank Distance on complex networks reveal community structure. Physica A: Statistical Mechanics and Its Applications, 2016, 463, 293-302.	1.2	10
851	Mining communities in social network based on information diffusion. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 604-617.	0.8	1
852	Detecting communities in complex networks-A discrete hybrid evolutionary approach. International Journal of Computers and Applications, 2016, 38, 29-40.	0.8	3
853	Efficient community detection of network flows for varying Markov times and bipartite networks. Physical Review E, 2016, 93, 032309.	0.8	37

#	Article	IF	CITATIONS
854	Emergence of coexisting percolating clusters in networks. Physical Review E, 2016, 93, 062308.	0.8	7
855	Comparing Community-based Information Adoption and Diffusion Across Different Microblogging Sites. , 2016, , .		8
856	The Explanatory Power of Network Models. Philosophy of Science, 2016, 83, 698-709.	0.5	43
857	A flexible methodology to sectorize water supply networks based on social network theory concepts and multi-objective optimization. Journal of Hydroinformatics, 2016, 18, 62-76.	1.1	45
858	Network Structure among Brain Systems in Adult ADHD is Uniquely Modified by Stimulant Administration. Cerebral Cortex, 2017, 27, 3970-3979.	1.6	17
859	How Information Spreads in Online Social Networks. Advances in Business and Management Forecasting, 2016, , 209-235.	1.1	0
860	Robust Inference of Identity by Descent from Exome-Sequencing Data. American Journal of Human Genetics, 2016, 99, 1106-1116.	2.6	8
861	Targeted cyber-attacks: Unveiling target reconnaissance strategy via Social Networks. , 2016, , .		6
862	Permanence and Community Structure in Complex Networks. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-34.	2.5	9
863	Language games in investigation of social networks: Finding communities and influential agents. Automation and Remote Control, 2016, 77, 144-158.	0.4	1
864	Partitioning Networks with Node Attributes by Compressing Information Flow. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-26.	2.5	54
865	The Structure of Ontogenies in a Model Protocell. Artificial Life, 2016, 22, 499-517.	1.0	7
866	The research space: using career paths to predict the evolution of the research output of individuals, institutions, and nations. Scientometrics, 2016, 109, 1695-1709.	1.6	68
867	Detecting Communities under Differential Privacy. , 2016, , .		15
868	Infomap Bioregions: Interactive Mapping of Biogeographical Regions from Species Distributions. Systematic Biology, 2017, 66, syw087.	2.7	84
869	Toward early and order-of-magnitude cascade prediction in social networks. Social Network Analysis and Mining, 2016, 6, 1.	1.9	1
870	Epidemic spreading on complex networks with community structures. Scientific Reports, 2016, 6, 29748.	1.6	131
871	Evidence for Two Independent Factors that Modify Brain Networks to Meet Task Goals. Cell Reports, 2016, 17, 1276-1288.	2.9	128

#	Article	IF	CITATIONS
872	Discovering communities in complex networks by edge label propagation. Scientific Reports, 2016, 6, 22470.	1.6	37
873	Brain Network Theory Can Predict Whether Neuropsychological Outcomes Will Differ from Clinical Expectations. Archives of Clinical Neuropsychology, 2017, 32, 40-52.	0.3	11
874	A Link Strength Based Label Propagation Algorithm for Community Detection. , 2016, , .		8
875	Deep data: discovery and visualization Application to hyperspectral ALMA imagery. Proceedings of the International Astronomical Union, 2016, 12, 281-290.	0.0	3
876	Maximal Neighbor Similarity Reveals Real Communities in Networks. Scientific Reports, 2016, 5, 18374.	1.6	24
877	Exploring the topological sources of robustness against invasion in biological and technological networks. Scientific Reports, 2016, 6, 20666.	1.6	8
878	Cycle and flow trusses in directed networks. Royal Society Open Science, 2016, 3, 160270.	1.1	12
879	The Double-Stranded DNA Virosphere as a Modular Hierarchical Network of Gene Sharing. MBio, 2016, 7, .	1.8	151
880	Toward a route detection method base on detail call records. , 2016, , .		1
881	Efficient exploration of multiplex networks. New Journal of Physics, 2016, 18, 043035.	1.2	39
882	On Maximizing Diffusion Speed Over Social Networks With Strategic Users. IEEE/ACM Transactions on Networking, 2016, 24, 3798-3811.	2.6	12
883	Impact of similarity threshold on the topology of molecular similarity networks and clustering outcomes. Journal of Cheminformatics, 2016, 8, 16.	2.8	15
884	Accelerating the mining of influential nodes in complex networks through community detection. , 2016, , .		10
885	Computational genomic identification and functional reconstitution of plant natural product biosynthetic pathways. Natural Product Reports, 2016, 33, 951-962.	5.2	77
886	Identification of multi-attribute functional urban areas under a perspective of community detection: A case study. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 827-836.	1.2	10
887	Uncovering fuzzy communities in networks with structural similarity. Neurocomputing, 2016, 210, 26-33.	3.5	11
888	Big Network Analytics Based on Nonconvex Optimization. Studies in Big Data, 2016, , 345-373.	0.8	1
889	Diffusion inspires selection of pinning nodes in pinning control. Physica A: Statistical Mechanics and Its Applications, 2016, 446, 120-128.	1.2	6

#	Article	IF	CITATIONS
890	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
891	LED: A fast overlapping communities detection algorithm based on structural clustering. Neurocomputing, 2016, 207, 488-500.	3.5	82
892	Technological novelty profile and invention's future impact. EPJ Data Science, 2016, 5, .	1.5	36
893	Ligand cluster-based protein network and ePlatton, a multi-target ligand finder. Journal of Cheminformatics, 2016, 8, 23.	2.8	1
894	Information-driven network analysis: evolving the "complex networks―paradigm. Mind and Society, 2016, 15, 155-167.	0.9	1
895	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
896	Structural Information and Dynamical Complexity of Networks. IEEE Transactions on Information Theory, 2016, 62, 3290-3339.	1.5	63
897	Random walks on real metro systems. International Journal of Modern Physics C, 2016, 27, 1650122.	0.8	2
898	BLOCKS: Efficient and Stable Online Visualization of Dynamic Network Evolution. The Review of Socionetwork Strategies, 2016, 10, 33-51.	1.0	0
899	Which publication is your representative work?. Journal of Informetrics, 2016, 10, 842-853.	1.4	13
900	Generation and Evaluation of a Cortical Area Parcellation from Resting-State Correlations. Cerebral Cortex, 2016, 26, 288-303.	1.6	1,132
901	Uncovering regional characteristics from mobile phone data: A network science approach. Papers in Regional Science, 2016, 95, 613-631.	1.0	27
902	Aggregated journal–journal citation relations in scopus and web of science matched and compared in terms of networks, maps, and interactive overlays. Journal of the Association for Information Science and Technology, 2016, 67, 2194-2211.	1.5	25
903	Network community structure alterations in adult schizophrenia: identification and localization of alterations. Neurolmage: Clinical, 2016, 10, 96-106.	1.4	45
904	A comparative analysis of network robustness against different link attacks. Physica A: Statistical Mechanics and Its Applications, 2016, 448, 144-153.	1.2	18
905	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
906	<scp>netview p</scp> : a network visualization tool to unravel complex population structure using genomeâ€wide <scp>SNP</scp> s. Molecular Ecology Resources, 2016, 16, 216-227.	2.2	109
907	Analysis of community properties and node properties to understand the structure of the bus transport network. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 523-530.	1.2	23

#	Article	IF	Citations
908	Put Three and Three Together. ACM Transactions on Knowledge Discovery From Data, 2016, 10, 1-42.	2.5	17
909	Scalably revealing the dynamics of soft community structure in complex networks. Journal of Systems Science and Complexity, 2016, 29, 1071-1088.	1.6	7
910	Identifying natural grouping structure in gelada baboons: a network approach. Animal Behaviour, 2016, 114, 119-128.	0.8	13
911	Local community extraction in directed networks. Physica A: Statistical Mechanics and Its Applications, 2016, 452, 258-265.	1.2	9
912	A general method of community detection by identifying community centers with affinity propagation. Physica A: Statistical Mechanics and Its Applications, 2016, 447, 508-519.	1.2	19
913	Hierarchical block matrices as efficient representations of chromosome topologies and their application for 3C data integration. Bioinformatics, 2016, 32, 1121-1129.	1.8	5
914	Structure and dynamics of stock market in times of crisis. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 654-666.	0.9	72
915	Advances in Network Science. Lecture Notes in Computer Science, 2016, , .	1.0	4
916	Modular Brain Networks. Annual Review of Psychology, 2016, 67, 613-640.	9.9	1,012
917	Community Detection in Bipartite Networks: Algorithms and Case studies. Understanding Complex Systems, 2016, , 25-50.	0.3	31
918	An improved multi-objective evolutionary algorithm for simultaneously detecting separated and overlapping communities. Natural Computing, 2016, 15, 635-651.	1.8	11
919	Subspace Based Network Community Detection Using Sparse Linear Coding. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 801-812.	4.0	59
920	Leaders in communities of real-world networks. Physica A: Statistical Mechanics and Its Applications, 2016, 444, 428-441.	1.2	14
921	Dissecting Complex and Multifactorial Nature of Alzheimer's Disease Pathogenesis: a Clinical, Genomic, and Systems Biology Perspective. Molecular Neurobiology, 2016, 53, 4833-4864.	1.9	52
922	Network-Based Analysis for Uncovering Mechanisms Underlying Alzheimer's Disease. Methods in Molecular Biology, 2016, 1303, 479-491.	0.4	3
923	Networked discontent: The anatomy of protest campaigns in social media. Social Networks, 2016, 44, 95-104.	1.3	185
924	Time series clustering via community detection in networks. Information Sciences, 2016, 326, 227-242.	4.0	120
925	Political rumoring on Twitter during the 2012 US presidential election: Rumor diffusion and correction. New Media and Society, 2017, 19, 1214-1235.	3.1	118

#	Article	IF	Citations
926	Noisy extremal optimization. Soft Computing, 2017, 21, 1253-1270.	2.1	9
927	An interactive graphical method for community detection in network data. Computational Statistics, 2017, 32, 535-557.	0.8	3
928	k-Degree anonymity and edge selection: improving data utility in large networks. Knowledge and Information Systems, 2017, 50, 447-474.	2.1	50
929	Finding overlapping communities based on Markov chain and link clustering. Peer-to-Peer Networking and Applications, 2017, 10, 411-420.	2.6	37
930	Respondent-Driven Sampling Bias Induced by Community Structure and Response Rates in Social Networks. Journal of the Royal Statistical Society Series A: Statistics in Society, 2017, 180, 99-118.	0.6	22
931	Clustering Single-Cell Expression Data Using Random Forest Graphs. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1172-1181.	3.9	18
932	Identifying diverse reviews about products. World Wide Web, 2017, 20, 351-369.	2.7	1
933	A Component-Based Diffusion Model With Structural Diversity for Social Networks. IEEE Transactions on Cybernetics, 2017, 47, 1078-1089.	6.2	31
934	Module-based visualization of large-scale graph networkÂdata. Journal of Visualization, 2017, 20, 205-215.	1,1	8
935	ACO-based clustering for Ego Network analysis. Future Generation Computer Systems, 2017, 66, 160-170.	4.9	41
936	HySA: a Hybrid Structural variant Assembly approach using next-generation and single-molecule sequencing technologies. Genome Research, 2017, 27, 793-800.	2.4	32
937	A local perspective on community structure in multilayer networks. Network Science, 2017, 5, 144-163.	0.8	42
938	Exploring triad-rich substructures by graph-theoretic characterizations in complex networks. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 53-69.	1.2	5
939	A layer reduction based community detection algorithm on multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2017, 471, 244-252.	1.2	12
940	A community integration strategy based on an improved modularity density increment for large-scale networks. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 471-485.	1.2	37
941	Evolutionary algorithm and modularity for detecting communities in networks. Physica A: Statistical Mechanics and Its Applications, 2017, 473, 89-96.	1.2	34
942	Joint Attention and Brain Functional Connectivity in Infants and Toddlers. Cerebral Cortex, 2017, 27, 1709-1720.	1.6	103
943	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

#	Article	IF	CITATIONS
944	Multi-scale brain networks. Neurolmage, 2017, 160, 73-83.	2.1	445
945	The modular organization of human anatomical brain networks: Accounting for the cost of wiring. Network Neuroscience, 2017, 1, 42-68.	1.4	136
946	Stepping community detection algorithm based on label propagation and similarity. Physica A: Statistical Mechanics and Its Applications, 2017, 472, 145-155.	1.2	41
947	Community Detection and Classification in Hierarchical Stochastic Blockmodels. IEEE Transactions on Network Science and Engineering, 2017, 4, 13-26.	4.1	73
948	Fast graph clustering with a new description model for community detection. Information Sciences, 2017, 388-389, 37-47.	4.0	52
949	GA-LP: A genetic algorithm based on Label Propagation to detect communities in directed networks. Expert Systems With Applications, 2017, 74, 127-138.	4.4	19
950	A Deep Stochastic Model for Detecting Community in Complex Networks. Journal of Statistical Physics, 2017, 166, 230-243.	0.5	4
951	Assessing larval connectivity for marine spatial planning in the Adriatic. Marine Environmental Research, 2017, 125, 73-81.	1.1	35
952	Constructing virtual IoT network topologies with a brain-inspired connectivity model. , 2017, , .		0
953	Individual differences and time-varying features of modular brain architecture. Neurolmage, 2017, 152, 94-107.	2.1	87
954	Link prediction in multiplex online social networks. Royal Society Open Science, 2017, 4, 160863.	1.1	126
955	A group evolving-based framework with perturbations for link prediction. Physica A: Statistical Mechanics and Its Applications, 2017, 475, 117-128.	1.2	9
956	Comparison of topic extraction approaches and their results. Scientometrics, 2017, 111, 1169-1221.	1.6	56
957	Citation-based clustering of publications using CitNetExplorer and VOSviewer. Scientometrics, 2017, 111, 1053-1070.	1.6	1,133
958	The many facets of community detection in complex networks. Applied Network Science, 2017, 2, 4.	0.8	125
959	The left middle temporal gyrus in the middle of an impaired social-affective communication network in social anxiety disorder. Journal of Affective Disorders, 2017, 214, 53-59.	2.0	43
960	Mapping the cognitive structure of astrophysics by infomap clustering of the citation network and topic affinity analysis. Scientometrics, 2017, 111, 1033-1051.	1.6	22
961	Investigating the effect of global data on topic detection. Scientometrics, 2017, 111, 999-1015.	1.6	22

#	Article	IF	CITATIONS
962	Generating clustered journal maps: an automated system for hierarchical classification. Scientometrics, 2017, 110, 1601-1614.	1.6	36
963	Stochastic graph Voronoi tessellation reveals community structure. Physical Review E, 2017, 95, 022306.	0.8	1
964	Alexithymia and personality traits of patients with inflammatory bowel disease. Scientific Reports, 2017, 7, 41786.	1.6	13
965	Clustering of 770,000 genomes reveals post-colonial population structure of North America. Nature Communications, 2017, 8, 14238.	5.8	99
966	Characterising Inter and Intra-Community Interactions in Link Streams Using Temporal Motifs. Springer Proceedings in Complexity, 2017, , 81-92.	0.2	2
967	Biogeography: Drivers of bioregionalization. Nature Ecology and Evolution, 2017, 1, 114.	3.4	66
968	Refinement of the community detection performance by weighted relationship coupling. Pramana - Journal of Physics, 2017, 88, 1.	0.9	1
969	Resting-State Network Topology Differentiates Task Signals across the Adult Life Span. Journal of Neuroscience, 2017, 37, 2734-2745.	1.7	72
970	Large-scale community detection based on a new dissimilarity measure. Social Network Analysis and Mining, $2017, 7, 1$.	1.9	9
971	Global biogeography of Albian ammonoids: A network-based approach. Geology, 2017, 45, 659-662.	2.0	23
972	A seed-expanding method based on random walks for community detection in networks with ambiguous community structures. Scientific Reports, 2017, 7, 41830.	1.6	27
973	Single-Cell RNA Sequencing: Unraveling the Brain One Cell at a Time. Trends in Molecular Medicine, 2017, 23, 563-576.	3.5	111
974	Implementation of Probabilistic Algorithms by Multiâ€chromophoric Molecular Networks with Application to Multiple Travelling Pathways. ChemPhysChem, 2017, 18, 1782-1789.	1.0	2
975	Assessment of engineered cells using CellNet and RNA-seq. Nature Protocols, 2017, 12, 1089-1102.	5.5	41
976	Bi-directional Joint Inference for User Links and Attributes on Large Social Graphs., 2017,,.		24
977	Parallel Modularity Clustering. Procedia Computer Science, 2017, 108, 1793-1802.	1.2	5
978	Green alder (<i>Alnus viridis</i>) encroachment shapes microbial communities in subalpine soils and impacts its bacterial or fungal symbionts differently. Environmental Microbiology, 2017, 19, 3235-3250.	1.8	18
979	Community detection based on significance optimization in complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 053213.	0.9	11

#	Article	IF	CITATIONS
980	A Mixed Representation-Based Multiobjective Evolutionary Algorithm for Overlapping Community Detection. IEEE Transactions on Cybernetics, 2017, 47, 2703-2716.	6.2	98
981	Detection of Terrorism-related Twitter Communities using Centrality Scores. , 2017, , .		19
982	Generative method to discover emphysema subtypes with unsupervised learning using lung macroscopic patterns (LMPS): The MESA COPD study. , 2017, 2017, 375-378.		8
983	Topology of Complex Networks and Performance Limitations of Community Detection Algorithms. IEEE Access, 2017, 5, 10901-10914.	2.6	15
984	Models, Algorithms, and Technologies for Network Analysis. Springer Proceedings in Mathematics and Statistics, 2017, , .	0.1	0
985	Phylogenomic Synteny Network Analysis of MADS-Box Transcription Factor Genes Reveals Lineage-Specific Transpositions, Ancient Tandem Duplications, and Deep Positional Conservation. Plant Cell, 2017, 29, 1278-1292.	3.1	106
986	The structure of communities in scaleâ€free networks. Concurrency Computation Practice and Experience, 2017, 29, e4040.	1.4	11
987	The geography of spatial synchrony. Ecology Letters, 2017, 20, 801-814.	3.0	116
988	Scalable Motif-aware Graph Clustering. , 2017, , .		94
989	A balance of activity in brain control and reward systems predicts self-regulatory outcomes. Social Cognitive and Affective Neuroscience, 2017, 12, 832-838.	1.5	35
990	Reassembling the city through Instagram. Transactions of the Institute of British Geographers, 2017, 42, 612-624.	1.8	88
991	A spectral method to detect community structure based on distance modularity matrix. International Journal of Modern Physics B, 2017, 31, 1750129.	1.0	4
992	Querying Intimate-Core Groups in Weighted Graphs. , 2017, , .		15
993	The new challenges of multiplex networks: Measures and models. European Physical Journal: Special Topics, 2017, 226, 401-416.	1.2	101
994	HybridVis: An adaptive hybrid-scale visualization of multivariate graphs. Journal of Visual Languages and Computing, 2017, 41, 100-110.	1.8	7
995	Multiple-predators-based capture process on complex networks. Chinese Physics B, 2017, 26, 038901.	0.7	1
996	Mining Community Structure with Node Embeddings. Lecture Notes in Social Networks, 2017, , 123-140.	0.8	1
997	A LexDFS-Based Approach on Finding Compact Communities. Lecture Notes in Social Networks, 2017, , 141-177.	0.8	2

#	ARTICLE	IF	CITATIONS
998	Understanding the Usage of Idioms in the Twitter Social Network. , 2017, , 767-788.		1
999	An algorithm Walktrap-SPM for detecting overlapping community structure. International Journal of Modern Physics B, 2017, 31, 1750121.	1.0	5
1000	Collective Phenomena Emerging from the Interactions between Dynamical Processes in Multiplex Networks. Physical Review Letters, 2017, 118, 138302.	2.9	107
1001	Community detection in social network by using a multi-objective evolutionary algorithm. Intelligent Data Analysis, 2017, 21, 385-409.	0.4	16
1002	Spatial confluence of psychological and anatomical network constructs in the human brain revealed by a mass meta-analysis of fMRI activation. Scientific Reports, 2017, 7, 44259.	1.6	7
1003	Implications of the cattle trade network in Cameroon for regional disease prevention and control. Scientific Reports, 2017, 7, 43932.	1.6	67
1004	Investigating original order with cybernetics and community detection algorithms. Archival Science, 2017, 17, 267-283.	0.6	4
1005	Network approaches for plant phylogenomic synteny analysis. Current Opinion in Plant Biology, 2017, 36, 129-134.	3.5	48
1006	Dynamics on networks: competition of temporal and topological correlations. Scientific Reports, 2017, 7, 41627.	1.6	27
1007	Magnetic eigenmaps for community detection in directed networks. Physical Review E, 2017, 95, 022302.	0.8	22
1008	The Echo Chamber Effect in Twitter: does community polarization increase?. Studies in Computational Intelligence, 2017, , 373-378.	0.7	14
1009	Semantic Stability in Wikipedia. Studies in Computational Intelligence, 2017, , 379-390.	0.7	0
1010	Visualizing the knowledge domain of sustainable development research between 1987 and 2015: a bibliometric analysis. Scientometrics, 2017, 110, 893-914.	1.6	124
1011	A deep dive into location-based communities in social discovery networks. Computer Communications, 2017, 100, 78-90.	3.1	15
1012	Dynamic vs. static social networks in models of parasite transmission: predicting <i><scp>C</scp>ryptosporidium</i> spread in wild lemurs. Journal of Animal Ecology, 2017, 86, 419-433.	1.3	27
1014	A Community Detection Algorithm Based on Local Double Rings and Fireworks Algorithm. Lecture Notes in Computer Science, 2017, , 129-135.	1.0	2
1015	Community Detection Algorithm for Big Social Networks Using Hybrid Architecture. Big Data Research, 2017, 10, 44-52.	2.6	18
1016	The science of science: From the perspective of complex systems. Physics Reports, 2017, 714-715, 1-73.	10.3	234

#	Article	IF	CITATIONS
1017	Hierarchical Community Detection Based on Multi Degrees of Distance Space and Submodularity Optimization. Communications in Computer and Information Science, 2017, , 343-354.	0.4	2
1018	Characterizing fisheries connectivity in marine social–ecological systems. ICES Journal of Marine Science, 2017, 74, 2087-2096.	1.2	81
1019	Segregated Systems of Human Brain Networks. Trends in Cognitive Sciences, 2017, 21, 981-996.	4.0	259
1020	Inverse Resolution Limit of Partition Density and Detecting Overlapping Communities by Link-Surprise. Scientific Reports, 2017, 7, 12399.	1.6	8
1021	Community detection based on influence power. Applied Informatics, 2017, 4, .	0.5	4
1022	A Feature Selection Method Based on Feature Correlation Networks. Lecture Notes in Computer Science, 2017, , 248-261.	1.0	11
1023	Quantifying airborne dispersal routes of pathogens over continents to safeguard global wheat supply. Nature Plants, 2017, 3, 780-786.	4.7	81
1024	GLFR: A Generalized LFR Benchmark for Testing Community Detection Algorithms. , 2017, , .		1
1025	Super-Resolution Community Detection for Layer-Aggregated Multilayer Networks. Physical Review X, 2017, 7, .	2.8	16
1026	Analysing the potential of Wikipedia for science education using automatic organization of knowledge. Data Technologies and Applications, 2017, 51, 373-386.	0.8	2
1027	Evolutionary and molecular foundations of multiple contemporary functions of the nitroreductase superfamily. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9549-E9558.	3.3	111
1028	Community detection: Comparison among clustering algorithms and application to EEG-based brain networks., 2017, 2017, 3965-3968.		8
1029	The impact of interaction and algorithm choice on identified communities. , 2017, , .		0
1030	A hybrid evolutionary algorithm for community detection. , 2017, , .		3
1031	Assessing the suitability of network community detection to available meta-data using rank stability. , $2017, , .$		8
1032	Core of communities in bipartite networks. Physical Review E, 2017, 96, 022321.	0.8	14
1033	Methods and Data. Springer Theses, 2017, , 25-52.	0.0	0
1034	Community structure detection in multipartite networks. , 2017, , .		1

#	Article	IF	CITATIONS
1035	Metrics for Community Analysis. ACM Computing Surveys, 2018, 50, 1-37.	16.1	181
1036	Random walks and diffusion on networks. Physics Reports, 2017, 716-717, 1-58.	10.3	420
1037	Global organization of a binding site network gives insight into evolution and structure-function relationships of proteins. Scientific Reports, 2017, 7, 11652.	1.6	4
1038	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
1039	Hybrid de-anonymization across real-world heterogeneous social networks. , 2017, , .		5
1040	Knowledge acquisition: A Complex networks approach. Information Sciences, 2017, 421, 154-166.	4.0	56
1041	Ensemble-based community detection in multilayer networks. Data Mining and Knowledge Discovery, 2017, 31, 1506-1543.	2.4	55
1042	A game-theoretic approach for non-overlapping communities detection. , 2017, , .		0
1043	Finite-size analysis of the detectability limit of the stochastic block model. Physical Review E, 2017, 95, 062304.	0.8	7
1044	Precision Functional Mapping of Individual Human Brains. Neuron, 2017, 95, 791-807.e7.	3.8	948
1045	Individual Movement Strategies Revealed through Novel Clustering of Emergent Movement Patterns. Scientific Reports, 2017, 7, 44052.	1.6	21
1046	Node Attribute-enhanced Community Detection in Complex Networks. Scientific Reports, 2017, 7, 2626.	1.6	31
1047	Cross-validation estimate of the number of clusters in a network. Scientific Reports, 2017, 7, 3327.	1.6	25
1048	Combining taskâ€related activation and connectivity analysis of fMRI data reveals complex modulation of brain networks. Human Brain Mapping, 2017, 38, 5726-5739.	1.9	26
1049	Associations between dynamic functional connectivity and age, metabolic risk, and cognitive performance. Neurobiology of Aging, 2017, 59, 135-143.	1.5	58
1050	Difference of urban development in China from the perspective of passenger transport around Spring Festival. Applied Geography, 2017, 87, 85-96.	1.7	89
1051	Dynamic structure of stock communities: a comparative study between stock returns and turnover rates. European Physical Journal B, 2017, 90, 1.	0.6	1
1052	SA-SOM algorithm for detecting communities in complex networks. Modern Physics Letters B, 2017, 31, 1750262.	1.0	2

#	Article	IF	CITATIONS
1053	A Community-Aware Approach to Minimizing Dissemination in Graphs. Lecture Notes in Computer Science, 2017, , 85-99.	1.0	0
1054	Convex hulls of random walks in higher dimensions: A large-deviation study. Physical Review E, 2017, 96, 062101.	0.8	12
1055	GSO Based Heuristics for Identification of Communities and Their Leaders. , 2017, , 99-127.		2
1056	A uniform framework of projection and community detection for one-mode network in bipartite networks. Chinese Physics B, 2017, 26, 128901.	0.7	6
1057	Drawing clustered graphs by preserving neighborhoods. Pattern Recognition Letters, 2017, 100, 174-180.	2.6	6
1058	Community detection methods can discover better structural clusters than ground-truth communities. , 2017, , .		6
1059	Community Detection in Evolving Networks. , 2017, , .		7
1060	A Non-negative Symmetric Encoder-Decoder Approach for Community Detection., 2017, , .		46
1061	Social security: are socially connected individuals less vigilant?. Animal Behaviour, 2017, 134, 79-85.	0.8	18
1062	Network-based analysis of diagnosis progression patterns using claims data. Scientific Reports, 2017, 7, 15561.	1.6	31
1063	Hierarchical benchmark graphs for testing community detection algorithms. Physical Review E, 2017, 96, 052311.	0.8	15
1064	Insider Threat Event Detection in User-System Interactions. , 2017, , .		9
1065	Crime analysis against women from online newspaper reports and an approach to apply it in dynamic environment. , 2017 , , .		4
1066	A global picture of biological invasion threat on islands. Nature Ecology and Evolution, 2017, 1, 1862-1869.	3.4	95
1067	Multi-scale analysis of human behavior patterns of communication based on large scale mobile data., 2017,,.		1
1068	Unsupervised Keyword Extraction Using the GoW Model and Centrality Scores. Lecture Notes in Computer Science, 2017, , 344-351.	1.0	2
1069	A single-cell survey of the small intestinal epithelium. Nature, 2017, 551, 333-339.	13.7	1,197
1070	The diverse club. Nature Communications, 2017, 8, 1277.	5.8	124

#	Article	IF	CITATIONS
1071	SENA., 2017,,.		5
1072	A local search method for graph clustering heuristics based on partitional Distribution learning. , 2017, , .		O
1073	Bayesian approach to multilayer stochastic blockmodel and network changepoint detection. Network Science, 2017, 5, 164-186.	0.8	6
1074	Noise-processing by signaling networks. Scientific Reports, 2017, 7, 532.	1.6	14
1075	Community-Adaptive Link Prediction., 2017,,.		7
1076	A semi-synchronous label propagation algorithm with constraints for community detection in complex networks. Scientific Reports, 2017, 7, 45836.	1.6	23
1077	Network Backboning with Noisy Data. , 2017, , .		48
1078	Mining Community Structures in Multidimensional Networks. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-36.	2.5	23
1079	Diffusion Geometry Unravels the Emergence of Functional Clusters in Collective Phenomena. Physical Review Letters, 2017, 118, 168301.	2.9	37
1080	A local Random Walk method for identifying communities in social networks. , 2017, , .		1
1081	A theorem proving approach for automatically synthesizing visualizations of flow cytometry data. BMC Bioinformatics, 2017, 18, 245.	1.2	1
1082	Modularity in complex multilayer networks with multiple aspects: a static perspective. Applied Informatics, 2017, 4, .	0.5	20
1083	Outlier edge detection using random graph generation models and applications. Journal of Big Data, 2017, 4, .	6.9	9
1084	Eigenvector Centrality is a Metric of Elastomer Modulus, Heterogeneity, and Damage. Scientific Reports, 2017, 7, 1241.	1.6	2
1085	Single-Cell Analysis Reveals a Close Relationship between Differentiating Dopamine and Subthalamic Nucleus Neuronal Lineages. Cell Stem Cell, 2017, 20, 29-40.	5.2	127
1086	Efficient Approach to Correct Read Alignment for Pseudogene Abundance Estimates. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 522-533.	1.9	4
1087	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
1088	A discrete modified fireworks algorithm for community detection in complex networks. Applied Intelligence, 2017, 46, 373-385.	3.3	33

#	Article	IF	CITATIONS
1089	Toward a novel art inspired incremental community mining algorithm in dynamic social network. Applied Intelligence, 2017, 46, 409-426.	3.3	9
1090	Community Detection Using Dual-Representation Chemical Reaction Optimization. IEEE Transactions on Cybernetics, 2017, 47, 4328-4341.	6.2	18
1091	Tiles: an online algorithm for community discovery in dynamic social networks. Machine Learning, 2017, 106, 1213-1241.	3.4	109
1092	Correction for Closeness: Adjusting Normalized Mutual Information Measure for Clustering Comparison. Computational Intelligence, 2017, 33, 579-601.	2.1	35
1093	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
1094	Community detection in networks using new update rules for label propagation. Computing (Vienna/New York), 2017, 99, 679-700.	3.2	1
1095	Community detection in weighted brain connectivity networks beyond the resolution limit. Neurolmage, 2017, 146, 28-39.	2.1	53
1096	A Survey on Visual Approaches for Analyzing Scientific Literature and Patents. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 2179-2198.	2.9	55
1097	Individual-specific features of brain systems identified with resting state functional correlations. Neurolmage, 2017, 146, 918-939.	2.1	195
1098	A Comparative Study of Different Approaches for Tracking Communities in Evolving Social Networks. , 2017, , .		3
1099	An Algorithm Q-PSO for Community Detection in Complex Networks. , 2017, , .		4
1100	Information visualization: Conceptualizing new paths for filtering and navigate in scientific knowledge objects., 2017,,.		4
1101	SOM-empowered graph segmentation for fast automatic clustering of large and complex data., 2017,,.		4
1102	Fast Heuristic Algorithm for Multi-scale Hierarchical Community Detection. , 2017, , .		7
1103	Probabilistic Community Using Link and Content for Social Networks. IEEE Access, 2017, 5, 27189-27202.	2.6	9
1104	POISED., 2017,,.		33
1105	Micro-blog User Community Detection by Focusing on Micro-blog Content and Community Structure. Communications in Computer and Information Science, 2017, , 92-103.	0.4	1
1106	Exploring the Importance of Negative Links through the European Parliament Social Graph. , 2017, , .		3

#	Article	IF	CITATIONS
1107	Home Location Protection in Mobile Social Networks: A Community Based Method (Short Paper). Lecture Notes in Computer Science, 2017, , 694-704.	1.0	4
1108	Node-centric Community Discovery: From static to dynamic social network analysis. Online Social Networks and Media, 2017, 3-4, 32-48.	2.3	9
1109	Comparative analysis of community detection algorithms. , 2017, , .		8
1110	An evolutionary motifs-based algorithm for community detection. , 2017, , .		3
1111	Cascade size prediction in online social networks. , 2017, , .		5
1112	Tracking and predicting the evolution of research topics in scientific literature. , 2017, , .		8
1113	Community detection: Comparison of state of the art algorithms. , 2017, , .		10
1114	Detecting Communities by Integrating Perspective Communities as Semantic Information. , 2017, , .		1
1115	MRAttractor: Detecting communities from large-scale graphs. , 2017, , .		1
1116	Spatio-temporal mobility analysis for community detection in the mobile networks using CDR data. , 2017, , .		8
1117	ClusTop: A clustering-based topic modelling algorithm for twitter using word networks. , 2017, , .		17
1118	Massively parallel single-nucleus RNA-seq with DroNc-seq. Nature Methods, 2017, 14, 955-958.	9.0	859
1119	Efficient Vector Influence Clustering Coefficient Based Directed Community Detection Method. IEEE Access, 2017, 5, 17106-17116.	2.6	17
1120	Seeing the bigger picture: A novel statistical approach for enhancing image annotation by employing community detection., 2017,,.		0
1121	MultiNetCom: An Extended Framework for Communities Detection in Multi-relational Networks. , 2017, , .		0
1122	Network Modularity in Breast Cancer Molecular Subtypes. Frontiers in Physiology, 2017, 8, 915.	1.3	53
1123	Post-Processing Partitions to Identify Domains of Modularity Optimization. Algorithms, 2017, 10, 93.	1.2	37
1124	Mapping Higher-Order Network Flows in Memory and Multilayer Networks with Infomap. Algorithms, 2017, 10, 112.	1.2	56

#	Article	IF	Citations
1125	Large Scale Community Detection Using a Small World Model. Applied Sciences (Switzerland), 2017, 7, 1173.	1.3	33
1126	Backtracking and Mixing Rate of Diffusion on Uncorrelated Temporal Networks. Entropy, 2017, 19, 542.	1.1	5
1127	Graph Analysis and Modularity of Brain Functional Connectivity Networks: Searching for the Optimal Threshold. Frontiers in Neuroscience, 2017, 11, 441.	1.4	75
1128	Improving the Accuracy of Link Prediction Using Consensus Clustering. , 2017, , .		1
1129	The Human Cell Atlas. ELife, 2017, 6, .	2.8	1,547
1130	A Novel Synchronization-Based Approach for Functional Connectivity Analysis. Complexity, 2017, 2017, 1-12.	0.9	15
1131	Clustering Categorical Data Using Community Detection Techniques. Computational Intelligence and Neuroscience, 2017, 2017, 1-11.	1.1	8
1132	Heuristic Artificial Bee Colony Algorithm for Uncovering Community in Complex Networks. Mathematical Problems in Engineering, 2017, 2017, 1-12.	0.6	9
1133	The Potential of Automatic Word Comparison for Historical Linguistics. PLoS ONE, 2017, 12, e0170046.	1.1	52
1134	Collaboration patterns in the German political science co-authorship network. PLoS ONE, 2017, 12, e0174671.	1.1	14
1135	Business cycles' correlation and systemic risk of the Japanese supplier-customer network. PLoS ONE, 2017, 12, e0186467.	1.1	11
1136	A community detection algorithm using network topologies and rule-based hierarchical arc-merging strategies. PLoS ONE, 2017, 12, e0187603.	1.1	7
1137	Recent Themes in Social Networking Service Research. PLoS ONE, 2017, 12, e0170293.	1.1	26
1138	Island Biogeography of Food Webs. Advances in Ecological Research, 2017, , 183-262.	1.4	27
1139	Spread of hospital-acquired infections: A comparison of healthcare networks. PLoS Computational Biology, 2017, 13, e1005666.	1.5	39
1140	The shape of collaborations. EPJ Data Science, 2017, 6, .	1.5	130
1141	Data-driven modeling of collaboration networks: a cross-domain analysis. EPJ Data Science, 2017, 6, .	1.5	14
1142	Measuring and monitoring collective attention during shocking events. EPJ Data Science, 2017, 6, .	1.5	14

#	Article	IF	CITATIONS
1143	Hierarchical community detection via rank-2 symmetric nonnegative matrix factorization. Computational Social Networks, 2017, 4, 7.	2.1	9
1144	Optimal initial partitionning for high quality hybrid hierarchical community detection in social networks. , 2017, , .		3
1145	Multi-scale Politics Analysis on Urban Function Area Human Mobility., 2017,,.		0
1146	Uncovering Spatial Structures of Regional City Networks from Expressway Traffic Flow Data: A Case Study from Jiangsu Province, China. Sustainability, 2017, 9, 1541.	1.6	24
1147	Identifying Misaligned Inter-Group Links and Communities. Proceedings of the ACM on Human-Computer Interaction, 2017, 1, 1-23.	2.5	77
1148	NeuroCave: A web-based immersive visualization platform for exploring connectome datasets. Network Neuroscience, 2018, 2, 344-361.	1.4	18
1151	Quantifying the Effects of Increasing Mechanical Stress on Knee Acoustical Emissions Using Unsupervised Graph Mining. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 594-601.	2.7	19
1152	Modeling the heterogeneous traffic correlations in urban road systems using traffic-enhanced community detection approach. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 227-237.	1.2	24
1153	Android Malware Familial Classification and Representative Sample Selection via Frequent Subgraph Analysis. IEEE Transactions on Information Forensics and Security, 2018, 13, 1890-1905.	4.5	165
1155	Community detection in networks: A multidisciplinary review. Journal of Network and Computer Applications, 2018, 108, 87-111.	5.8	296
1156	Community detection in complex networks using proximate support vector clustering. Modern Physics Letters B, 2018, 32, 1850101.	1.0	7
1157	Transcriptional Roadmap to Seasonal Variation in Wood Formation of Norway Spruce. Plant Physiology, 2018, 176, 2851-2870.	2.3	40
1158	Estimation of Dynamic Sparse Connectivity Patterns From Resting State fMRI. IEEE Transactions on Medical Imaging, 2018, 37, 1224-1234.	5.4	33
1159	Comparative analysis on the selection of number of clusters in community detection. Physical Review E, 2018, 97, 022315.	0.8	9
1160	Decoding communities in networks. Physical Review E, 2018, 97, 022316.	0.8	7
1161	Beyond trees: Biogeographical regionalization of tropical Africa. Journal of Biogeography, 2018, 45, 1153-1167.	1.4	78
1162	Understanding spatial structures and organizational patterns of city networks in China: A highway passenger flow perspective. Journal of Chinese Geography, 2018, 28, 477-494.	1.5	34
1163	A Divided Discipline? Mapping Peace and Conflict Studies. International Studies Perspectives, 2018, 19, 128-147.	0.8	24

#	Article	IF	CITATIONS
1164	Using text analysis to quantify the similarity and evolution of scientific disciplines. Royal Society Open Science, 2018, 5, 171545.	1.1	29
1165	Multiple Local Community Detection. Performance Evaluation Review, 2018, 45, 76-83.	0.4	23
1166	What We Read, What We Search. , 2018, , .		15
1167	Accurate detection of hierarchical communities in complex networks based on nonlinear dynamical evolution. Chaos, 2018, 28, 043119.	1.0	8
1168	Community detection in networks using self-avoiding random walks. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 1046-1055.	1.2	10
1169	Disrupted modular organization of primary sensory brain areas in schizophrenia. Neurolmage: Clinical, 2018, 18, 682-693.	1.4	46
1170	Functional Brain Networks Are Dominated by Stable Group and Individual Factors, Not Cognitive or Daily Variation. Neuron, 2018, 98, 439-452.e5.	3.8	665
1171	Network analysis of particles and grains. Journal of Complex Networks, 2018, 6, 485-565.	1.1	113
1172	Multiple Network Motif Clustering with Genetic Algorithms. Communications in Computer and Information Science, 2018, , 296-307.	0.4	0
1173	Time series-based bibliometric analysis of the dynamics of scientific production. Scientometrics, 2018, 115, 1139-1159.	1.6	15
1174	Geodetic convex boundary curvatures of the communities in stock market networks. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 569-581.	1.2	8
1175	OLCPM: An online framework for detecting overlapping communities in dynamic social networks. Computer Communications, 2018, 123, 36-51.	3.1	22
1176	A novel method for overlapping community detection using Multi-objective optimization. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 825-835.	1.2	11
1177	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
1178	Structural disconnection is responsible for increased functional connectivity in multiple sclerosis. Brain Structure and Function, 2018, 223, 2519-2526.	1.2	21
1179	Coupling and segregation of large-scale brain networks predict individual differences in delay discounting. Biological Psychology, 2018, 133, 63-71.	1.1	12
1180	A unified method of detecting core-periphery structure and community structure in networks. Chaos, 2018, 28, 013122.	1.0	16
1181	Triadic co-clustering of users, issues and sentiments in political tweets. Expert Systems With Applications, 2018, 100, 79-94.	4.4	5

#	Article	IF	CITATIONS
1182	Incorporating network structure with node contents for community detection on large networks using deep learning. Neurocomputing, 2018, 297, 71-81.	3.5	52
1183	Acoustical Emission Analysis by Unsupervised Graph Mining: A Novel Biomarker of Knee Health Status. IEEE Transactions on Biomedical Engineering, 2018, 65, 1291-1300.	2.5	31
1184	Intrinsic, stimulus-driven and task-dependent connectivity in human auditory cortex. Brain Structure and Function, 2018, 223, 2113-2127.	1.2	12
1185	Detecting spatial community structure in movements. International Journal of Geographical Information Science, 2018, 32, 1326-1347.	2.2	28
1186	Convexity in complex networks. Network Science, 2018, 6, 176-203.	0.8	7
1187	FACH., 2018,,.		1
1188	Trust Degree can Preserve Community Structure on Co-evolving Complex Networks in Spatial Generalized Prisoner's Dilemma Game. Wireless Personal Communications, 2018, 102, 3089-3100.	1.8	1
1189	C ommunity D iff. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-34.	2.5	5
1190	A Comprehensive Study on Social Network Mental Disorders Detection via Online Social Media Mining. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1212-1225.	4.0	41
1191	Supporting sustainable system adoption: Socio-semantic analysis of transit rider debates on social media. Sustainable Cities and Society, 2018, 38, 123-136.	5.1	18
1192	Sophisticated jobs matter for economic complexity: An empirical analysis based on input-output matrices and employment data. Structural Change and Economic Dynamics, 2018, 45, 1-8.	2.1	65
1193	A new hierarchical method to find community structure in networks. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 418-426.	1.2	5
1194	Spin Model of Two Random Walkers in Complex Networks. Studies in Computational Intelligence, 2018, , 555-566.	0.7	1
1195	Shock Propagation Through Customer-Supplier Relationships: An Application of the Stochastic Actor-Oriented Model. Studies in Computational Intelligence, 2018, , 1100-1110.	0.7	3
1196	Subtyping cognitive profiles in Autism Spectrum Disorder using a Functional Random Forest algorithm. NeuroImage, 2018, 172, 674-688.	2.1	120
1197	Nonnegative matrix factorization with mixed hypergraph regularization for community detection. Information Sciences, 2018, 435, 263-281.	4.0	87
1198	A Novel Community Detection Method Based on Cluster Density Peaks. Lecture Notes in Computer Science, 2018, , 515-525.	1.0	4
1199	Tracking the Reorganization of Module Structure in Time-Varying Weighted Brain Functional Connectivity Networks. International Journal of Neural Systems, 2018, 28, 1750051.	3.2	20

#	ARTICLE	IF	CITATIONS
1200	Evolution of pallium, hippocampus, and cortical cell types revealed by single-cell transcriptomics in reptiles. Science, 2018, 360, 881-888.	6.0	344
1201	Structural Novelty and Diversity in Link Prediction. , 2018, , .		10
1202	Framework based on communicability and flow to analyze complex network dynamics. Physical Review E, 2018, 97, 052301.	0.8	14
1203	Towards Understanding Community Interests With Topic Modeling. IEEE Access, 2018, 6, 24660-24668.	2.6	15
1204	Detecting phenotype-driven transitions in regulatory network structure. Npj Systems Biology and Applications, 2018, 4, 16.	1.4	32
1205	The biogeographical imprint of mass extinctions. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180232.	1.2	27
1206	Single-cell reconstruction of developmental trajectories during zebrafish embryogenesis. Science, 2018, 360, .	6.0	624
1207	A Changing Landscape in Cardiovascular Research Publication Output. Journal of the American College of Cardiology, 2018, 71, 1584-1589.	1.2	9
1208	Knowledge based community detection in online social network. , 2018, , .		2
1209	Hierarchical community detection based on partial matrix convergence using random walks. Tsinghua Science and Technology, 2018, 23, 35-46.	4.1	13
1210	Weighted community detection and data clustering using message passing. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 033405.	0.9	11
1211	A comparative study of the measures for evaluating community structure in bipartite networks. Information Sciences, 2018, 448-449, 249-262.	4.0	10
1212	Walking, Gross Motor Development, and Brain Functional Connectivity in Infants and Toddlers. Cerebral Cortex, 2018, 28, 750-763.	1.6	65
1213	Community Deception or: How to Stop Fearing Community Detection Algorithms. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 660-673.	4.0	45
1214	Community detection by propagating the label of center. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 675-686.	1.2	19
1215	Core-biased random walks in networks. Journal of Complex Networks, 2018, 6, 877-886.	1.1	6
1216	Finding needles in the haystack: where to look for rare species in the American tropics. Ecography, 2018, 41, 321-330.	2.1	36
1217	A Meeting of the Minds: Exploring the Core–Periphery Structure and Retrieval Paths of Destination Image Using Social Network Analysis. Journal of Travel Research, 2018, 57, 612-626.	5.8	31

#	Article	IF	CITATIONS
1218	Uncovering the effect of dominant attributes on community topology: A case of facebook networks. Information Systems Frontiers, 2018, 20, 1041-1052.	4.1	4
1219	A comparison of network and clustering methods to detect biogeographical regions. Ecography, 2018, 41, 1-10.	2.1	129
1220	QMSampler: Joint Sampling of Multiple Networks with Quality Guarantee. IEEE Transactions on Big Data, 2018, 4, 90-104.	4.4	0
1221	Imbalanced classification in sparse and large behaviour datasets. Data Mining and Knowledge Discovery, 2018, 32, 25-82.	2.4	33
1222	Community-preserving anonymization of graphs. Knowledge and Information Systems, 2018, 54, 315-343.	2.1	23
1223	Clustering based on words distances. Cluster Computing, 2018, 21, 945-953.	3.5	1
1224	A swarm intelligence-based hybrid approach for identifying network modules. Journal of Computational Science, 2018, 28, 265-280.	1.5	3
1225	The Structured Assessment Dialogue. Contributions From Science Education Research, 2018, , 109-140.	0.4	5
1226	The Economic Commission for Latin America and the Caribbean (ECLAC) was right: scale-free complex networks and core-periphery patterns in world trade. Cambridge Journal of Economics, 2018, 42, 633-651.	0.8	22
1227	GLEAM: a graph clustering framework based on potential game optimization for large-scale social networks. Knowledge and Information Systems, 2018, 55, 741-770.	2.1	48
1228	Phase transition of Surprise optimization in community detection. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 693-707.	1.2	10
1229	Detecting composite communities in multiplex networks: A multilevel memetic algorithm. Swarm and Evolutionary Computation, 2018, 39, 177-191.	4.5	16
1230	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
1231	Aquatic urban ecology at the scale of a capital: community structure and interactions in street gutters. ISME Journal, 2018, 12, 253-266.	4.4	11
1232	Adaptive multi-resolution Modularity for detecting communities in networks. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 591-603.	1.2	15
1233	The national geographic characteristics of online public opinion propagation in China based on WeChat network. GeoInformatica, 2018, 22, 311-334.	2.0	14
1234	Hidden community detection in social networks. Information Sciences, 2018, 425, 92-106.	4.0	82
1235	How to Draw a Neighborhood? The Potential of Big Data, Regionalization, and Community Detection for Understanding the Heterogeneous Nature of Urban Neighborhoods. Geographical Analysis, 2018, 50, 182-203.	1.9	38

#	Article	IF	CITATIONS
1236	Layer Communities in Multiplex Networks. Journal of Statistical Physics, 2018, 173, 1286-1302.	0.5	14
1237	About Nash Equilibrium, Modularity Optimization, and Network Community Structure Detection. Advances in Intelligent Systems and Computing, 2018, , 209-218.	0.5	1
1238	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
1239	Overlapping community detection based on link graph using distance dynamics. International Journal of Modern Physics B, 2018, 32, 1850015.	1.0	7
1240	A community detection method based on local similarity and degree clustering information. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 1344-1354.	1.2	30
1241	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
1242	Currency co-movement and network correlation structure of foreign exchange market. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 65-74.	1.2	20
1243	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
1244	Urban landscape genomics identifies fine-scale gene flow patterns in an avian invasive. Heredity, 2018, 120, 138-153.	1.2	18
1245	A novel community detection algorithm based on simplification of complex networks. Knowledge-Based Systems, 2018, 143, 58-64.	4.0	24
1246	Communication dynamics in complex brain networks. Nature Reviews Neuroscience, 2018, 19, 17-33.	4.9	593
1247	Control networks and hubs. Psychophysiology, 2018, 55, e13032.	1.2	137
1248	Microblog sentiment analysis with weak dependency connections. Knowledge-Based Systems, 2018, 142, 170-180.	4.0	29
1249	Evolutionary Community Mining for Link Prediction in Dynamic Networks. Studies in Computational Intelligence, 2018, , 127-138.	0.7	7
1250	Global energy flows embodied in international trade: A combination of environmentally extended input–output analysis and complex network analysis. Applied Energy, 2018, 210, 98-107.	5.1	233
1251	A clustering algorithm for determining community structure in complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 980-993.	1.2	10
1252	A Probabilistic Framework for Structural Analysis and Community Detection in Directed Networks. IEEE/ACM Transactions on Networking, 2018, 26, 31-46.	2.6	15
1253	Transforming Assessment. Contributions From Science Education Research, 2018, , .	0.4	13

#	Article	IF	Citations
1254	Collective sparse symmetric non-negative matrix factorization for identifying overlapping communities in resting-state brain functional networks. NeuroImage, 2018, 166, 259-275.	2.1	23
1255	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
1256	Node similarity and modularity for finding communities in networks. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1958-1966.	1.2	32
1257	Wearable knee health system employing novel physiological biomarkers. Journal of Applied Physiology, 2018, 124, 537-547.	1.2	12
1258	Identifying cell populations with scRNASeq. Molecular Aspects of Medicine, 2018, 59, 114-122.	2.7	205
1259	A framework for detecting communities of unbalanced sizes in networks. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 24-37.	1.2	6
1260	Community Detection Metrics and Algorithms in Social Networks. , 2018, , .		6
1261	Key nodes mining of root network and phoneme network of modern Chinese characters. Journal of Physics: Conference Series, 2018, 1113, 012019.	0.3	O
1262	AFSMA., 2018,,.		1
1263	Finding Multi-granularity Community Structures in Social Networks Based on Significance of Community Partition. , 2018, , .		2
1264	Comparing Topological Partitioning Methods for District Metered Areas in the Water Distribution Network. Water (Switzerland), 2018, 10, 368.	1.2	15
1265	A Modified Distance Dynamics Model for Improvement of Community Detection. IEEE Access, 2018, 6, 63934-63947.	2.6	4
1266	Nonlinear cross-correlation among worldwide indexes. Journal of Physics: Conference Series, 2018, 1113, 012017.	0.3	0
1267	Utilizing Tweet Content for the Detection of Sentiment-Based Interaction Communities on Twitter. , 2018, , .		0
1268	BiVA: Bitcoin Network Visualization & Analysis., 2018,,.		12
1269	An Overview of Community Detection Methods in Transportation Networks., 2018,,.		0
1270	The Market Nanostructure Origin of Asset Price Time Reversal Asymmetry. SSRN Electronic Journal, 2018, , .	0.4	3
1271	Community Based Feature Selection Method for Detection of Android Malware. Journal of Global Information Management, 2018, 26, 54-77.	1.4	5

#	Article	IF	CITATIONS
1272	Using Massively Multiplayer Online Game Data to Analyze the Dynamics of Social Interactions. , 0, , 375-416.		4
1273	An Empirical Study on Sentiments in Twitter Communities. , 2018, , .		3
1274	Reciprocity and Success in Academic Careers. SSRN Electronic Journal, 0, , .	0.4	1
1275	Application Areas of Community Detection: A Review. , 2018, , .		28
1276	Effects of Edge Centrality on Random Walks on Graphs. Computer Journal, 2018, , .	1.5	2
1277	Mapping Science Based on Research Content Similarity. , 0, , .		2
1278	Identification of Research Thematic Approaches Based on Keywords Network Analysis in Colombian Social Sciences., 0,,.		4
1279	Exploratory Experiment on Co-Authorship Network using Social Network Analysis Metrics and Measures. International Journal of Engineering and Technology(UAE), 2018, 7, 782.	0.2	0
1280	Event Block Identification and Analysis for Effective Anomaly Detection to Build Reliable HPC Systems. , $2018, , .$		3
1281	Influence spreading model used to analyse social networks and detect sub-communities. Computational Social Networks, 2018, 5, 12.	2.1	14
1282	Nodal degree distributions of resting-state functional brain modules. , 2018, , .		3
1283	Manifold-based incremental community detection method for online speaker identification., 2018,,.		0
1284	Community detection using coordination games. Social Network Analysis and Mining, 2018, 8, 1.	1.9	2
1285	Model to Generate Benchmark Graphs Based on Evolution Dynamics. , 2018, , .		2
1286	NGA-LP: A Robust and Improved Genetic Algorithm to Detect Communities in Directed Networks. , 2018, , .		0
1287	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
1288	Communities' Detection in Social Networks: State of the art and perspectives. , 2018, , .		4
1289	Size Matters: A Comparative Analysis of Community Detection Algorithms. IEEE Transactions on Computational Social Systems, 2018, 5, 951-960.	3.2	36

#	Article	IF	CITATIONS
1290	The community structure of business establishments and its properties: evidence from joint patent applications. Evolutionary and Institutional Economics Review, 2018, 15, 465-475.	0.3	3
1291	Random walk on temporal networks with lasting edges. Physical Review E, 2018, 98, .	0.8	12
1292	Reactive random walkers on complex networks. Physical Review E, 2018, 98, .	0.8	13
1293	Big Data Analysis of Traditional Knowledge-based Ayurveda Medicine. Progress in Preventive Medicine (New York, N Y), 2018, 3, e0020.	0.7	9
1294	LexiRumah: An online lexical database of the Lesser Sunda Islands. PLoS ONE, 2018, 13, e0205250.	1.1	9
1295	Spatial phylogenetics reveals evolutionary constraints on the assembly of a large regional flora. American Journal of Botany, 2018, 105, 1938-1950.	0.8	21
1296	Community Detection in Networks Based on Modified PageRank and Stochastic Block Model. IEEE Access, 2018, 6, 77133-77144.	2.6	8
1297	Genome-wide RNAseq study of the molecular mechanisms underlying microglia activation in response to pathological tau perturbation in the rTg4510 tau transgenic animal model. Molecular Neurodegeneration, 2018, 13, 65.	4.4	62
1298	Entrograms and coarse graining of dynamics on complex networks. Journal of Complex Networks, 2018, 6, 661-678.	1.1	4
1299	Community Structures, Interactions and Dynamics in London's Bicycle Sharing Network. , 2018, , .		9
1300	A Parallel Approach to Detect Communities in Evolving Networks. Lecture Notes in Computer Science, 2018, , 188-203.	1.0	1
1301	Recursive Structure Similarity: A Novel Algorithm for Graph Clustering. , 2018, , .		0
1303	Adaptive Affinity Learning for Accurate Community Detection. , 2018, , .		11
1304	Corpus-Based Augmented Media Posts with Density-Based Clustering for Community Detection. , 2018, ,		12
1305	Exploring chromatin hierarchical organization via Markov State Modelling. PLoS Computational Biology, 2018, 14, e1006686.	1.5	11
1306	Modular structure in fish co-occurrence networks: A comparison across spatial scales and grouping methodologies. PLoS ONE, 2018, 13, e0208720.	1.1	9
1307	Detecting Antagonistic and Allied Communities on Social Media., 2018,,.		4
1308	Random walk on the activity-driven model with mutual selection. Europhysics Letters, 2018, 124, 48004.	0.7	5

#	Article	IF	Citations
1309	The structuralist revenge: economic complexity as an important dimension to evaluate growth and development. Brazilian Journal of Political Economy, 2018, 38, 219-236.	0.2	52
1310	Community Detection in Complex Networks by Detecting and Expanding Core Nodes Through Extended Local Similarity of Nodes. IEEE Transactions on Computational Social Systems, 2018, 5, 1021-1033.	3.2	91
1311	Detecting Communities in Networks Using Competitive Hopfield Neural Network., 2018,,.		1
1312	Origins and Evolution of the Global RNA Virome. MBio, 2018, 9, .	1.8	383
1313	Community cores expansion for overlapping community detection in complex networks. Modern Physics Letters B, 2018, 32, 1850405.	1.0	4
1314	STATISTICALLY VALIDATED LEAD-LAG NETWORKS AND INVENTORY PREDICTION IN THE FOREIGN EXCHANGE MARKET. International Journal of Modeling, Simulation, and Scientific Computing, 2018, 21, 1850019.	0.9	22
1315	Network, Transcriptomic and Genomic Features Differentiate Genes Relevant for Drug Response. Frontiers in Genetics, 2018, 9, 412.	1.1	18
1316	Identifying Influential Individuals on Large-Scale Social Networks: A Community Based Approach. IEEE Access, 2018, 6, 47240-47257.	2.6	21
1317	Detecting communities with the multi-scale Louvain method: robustness test on the metropolitan area of Brussels. Journal of Geographical Systems, 2018, 20, 363-386.	1.9	8
1318	Critical analysis of (Quasi-)Surprise for community detection in complex networks. Scientific Reports, 2018, 8, 14459.	1.6	7
1319	Hierarchical communities in the walnut structure of the Japanese production network. PLoS ONE, 2018, 13, e0202739.	1.1	29
1320	Method for the Analysis and Visualization of Similar Flow Hotspot Patterns between Different Regional Groups. ISPRS International Journal of Geo-Information, 2018, 7, 328.	1.4	7
1321	Proactive Caching at the Edge Leveraging Influential User Detection in Cellular D2D Networks. Future Internet, 2018, 10, 93.	2.4	16
1322	Tie and tag: A study of tie strength and tags for photo sharing. PLoS ONE, 2018, 13, e0202540.	1.1	5
1323	A new algorithm for communities detection in social networks with node attributes. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 1779-1791.	3.3	6
1324	Metanetwork Transmission Model for Predicting a Malaria-Control Strategy. Frontiers in Genetics, 2018, 9, 446.	1.1	O
1325	Spatial and Temporal Organization of the Individual Human Cerebellum. Neuron, 2018, 100, 977-993.e7.	3.8	201
1326	Functional Parcellation of the Cerebral Cortex Across the Human Adult Lifespan. Cerebral Cortex, 2018, 28, 4403-4423.	1.6	35

#	Article	IF	CITATIONS
1327	The Scale Effect on Spatial Interaction Patterns: An Empirical Study Using Taxi O-D data of Beijing and Shanghai. IEEE Access, 2018, 6, 51994-52003.	2.6	16
1328	Spatial brain networks. Comptes Rendus Physique, 2018, 19, 253-264.	0.3	9
1329	ProxiClust: Data Sparsification and Community Detection for Assembly-Free Metagenomic Binning. , 2018, , .		0
1330	A Cancer Cell Program Promotes T Cell Exclusion and Resistance to Checkpoint Blockade. Cell, 2018, 175, 984-997.e24.	13.5	892
1331	T Helper Cell Cytokines Modulate Intestinal Stem Cell Renewal and Differentiation. Cell, 2018, 175, 1307-1320.e22.	13.5	388
1332	The stability of coastal benthic biogeography over the last 10 million years. Global Ecology and Biogeography, 2018, 27, 1106-1120.	2.7	13
1333	Gauss's law for networks directly reveals community boundaries. Scientific Reports, 2018, 8, 11909.	1.6	4
1334	Minipuberty and Sexual Dimorphism in the Infant Human Thymus. Scientific Reports, 2018, 8, 13169.	1.6	17
1335	Converting Unstructured System Logs into Structured Event List for Anomaly Detection. , 2018, , .		2
1337	A mechanistic model of connector hubs, modularity and cognition. Nature Human Behaviour, 2018, 2, 765-777.	6.2	187
1338	Community detection based on preferred mode in bipartite networks. Modern Physics Letters B, 2018, 32, 1850330.	1.0	1
1339	Exploring the Hierarchical Structure of China's Railway Network from 2008 to 2017. Sustainability, 2018, 10, 3173.	1.6	11
1340	Automatically assembling a full census of an academic field. PLoS ONE, 2018, 13, e0202223.	1.1	5
1341	NPCCPM: An Improved Approach Towards Community Detection in Online Social Networks. Communications in Computer and Information Science, 2018, , 14-22.	0.4	0
1342	Network size, structure, and pathogen transmission: aÂsimulation study comparing different community detection algorithms. Behaviour, 2018, 155, 639-670.	0.4	9
1343	Characterizing the Analogy Between Hyperbolic Embedding and Community Structure of Complex Networks. Physical Review Letters, 2018, 121, 098301.	2.9	37
1344	No Silk Road for Online Gamers!. , 2018, , .		14
1345	Performance Effects of Dynamic Graph Data Structures in Community Detection Algorithms. , 2018, , .		2

#	Article	IF	CITATIONS
1346	Convolutional Neural Networks for Predicting Words: A Lip-Reading System. , 2018, , .		6
1347	Detection of Impurity and Bubble Defects in Tire X-Ray Image Based on Improved Extremum Filter and Locally Adaptive-threshold Binaryzation. , 2018, , .		6
1348	Tuning of PID Track Followers for Autonomous Driving. , 2018, , .		10
1349	IOT Based Streetlight Management. , 2018, , .		1
1350	A Comprehensive survey on Electric Springs and it's Applications in Smart Grids. , 2018, , .		2
1351	PCTDDE 2018 Title Page., 2018,,.		0
1353	Optimized H-LEACH algorithm for clustering to improve lifetime of WSN. , 2018, , .		7
1354	Semi-Supervised Community Detection Based on Distance Dynamics. IEEE Access, 2018, 6, 37261-37271.	2.6	23
1355	Investigating Similarity of Nodes' Attributes in Topological Based Communities , 2018, , .		6
1356	Reconfigurable optical implementation of quantum complex networks. New Journal of Physics, 2018, 20, 053024.	1.2	39
1357	Influence Propagation Model for Clique-Based Community Detection in Social Networks. IEEE Transactions on Computational Social Systems, 2018, 5, 563-575.	3.2	34
1358	Correlated Gene Expression and Anatomical Communication Support Synchronized Brain Activity in the Mouse Functional Connectome. Journal of Neuroscience, 2018, 38, 5774-5787.	1.7	23
1359	Socioeconomic status moderates age-related differences in the brain's functional network organization and anatomy across the adult lifespan. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5144-E5153.	3.3	100
1360	Community detection in complex networks using deep auto-encoded extreme learning machine. Modern Physics Letters B, 2018, 32, 1850180.	1.0	7
1361	A reliability and link analysis based methodÂfor mining domain experts inÂdynamic social networks. Journal of Intelligent and Fuzzy Systems, 2018, 34, 2061-2073.	0.8	1
1362	Tapping Community Memberships and Devising a Novel Homophily Modeling Approach for Trust Prediction. Lecture Notes in Computer Science, 2018, , 231-243.	1.0	0
1363	Iterated Greedy algorithm for performing community detection in social networks. Future Generation Computer Systems, 2018, 88, 785-791.	4.9	34
1364	Bipartisanship Breakdown, Functional Networks, and Forensic Analysis in Spanish 2015 and 2016 National Elections. Complexity, 2018, 2018, 1-23.	0.9	9

#	Article	IF	CITATIONS
1365	Diversity of indoor activities and economic development of neighborhoods. PLoS ONE, 2018, 13, e0198441.	1.1	10
1366	Adaptive Visual Dialog for Intelligent Tutoring Systems. Lecture Notes in Computer Science, 2018, , 413-418.	1.0	6
1367	Scalable Detection of Viral Memes from Diffusion Patterns. Computational Social Sciences, 2018, , 197-211.	0.4	5
1368	Comparing scientific and technological impact of biomedical research. Journal of Informetrics, 2018, 12, 706-717.	1.4	15
1369	Random walks on the world input–output network. Journal of Complex Networks, 2018, 6, 187-205.	1.1	15
1371	A Multi-Objective Genetic Algorithm for overlapping community detection based on edge encoding. Information Sciences, 2018, 462, 290-314.	4.0	44
1372	Constrained information flows in temporal networks reveal intermittent communities. Physical Review E, 2018, 97, 062312.	0.8	40
1373	A revised airway epithelial hierarchy includes CFTR-expressing ionocytes. Nature, 2018, 560, 319-324.	13.7	878
1374	Combining Non-negative Matrix Factorization and Sparse Coding for Functional Brain Overlapping Community Detection. Cognitive Computation, 2018, 10, 991-1005.	3.6	6
1375	Linked dimensions of psychopathology and connectivity in functional brain networks. Nature Communications, 2018, 9, 3003.	5.8	323
1376	Social interactions in online eating disorder communities: A network perspective. PLoS ONE, 2018, 13, e0200800.	1.1	37
1377	Sponge Walker: Community Detection in Large Directed Social Networks Using Local Structures and Random Walks. Lecture Notes in Social Networks, 2018, , 143-152.	0.8	0
1378	Multiplex Decomposition of Non-Markovian Dynamics and the Hidden Layer Reconstruction Problem. Physical Review X , 2018, 8 , .	2.8	16
1379	The Use of Network Theory for Analyzing Switching Behaviors: Assessing Cognitive and Educational-Based Intervention for Promoting Health. Frontiers in Psychology, 2018, 9, 1095.	1.1	2
1380	Finding overlapping communities in multilayer networks. PLoS ONE, 2018, 13, e0188747.	1.1	29
1381	Understanding the Spatial Structure of Urban Commuting Using Mobile Phone Location Data: A Case Study of Shenzhen, China. Sustainability, 2018, 10, 1435.	1.6	38
1382	A novel two-step community detection approach based on community tree and the N-players cooperative game in large-scale social networks. Journal of Computational Methods in Sciences and Engineering, 2018, 18, 1007-1020.	0.1	1
1383	Computational approaches for predicting key transcription factors in targeted cell reprogramming (Review). Molecular Medicine Reports, 2018, 18, 1225-1237.	1.1	7

#	Article	IF	CITATIONS
1384	Network Modularity and Hierarchical Structure in Breast Cancer Molecular Subtypes. Springer Proceedings in Complexity, 2018, , 352-358.	0.2	18
1385	Fishermen Follow Fine-Scale Physical Ocean Features for Finance. Frontiers in Marine Science, 2018, 5, .	1.2	35
1386	Brain Network Modularity Predicts Exercise-Related Executive Function Gains in Older Adults. Frontiers in Aging Neuroscience, 2017, 9, 426.	1.7	83
1387	Changes in Dynamics Within and Between Resting-State Subnetworks in Juvenile Myoclonic Epilepsy Occur at Multiple Frequency Bands. Frontiers in Neurology, 2018, 9, 448.	1.1	15
1388	Enhanced semi-supervised community detection with active node and link selection. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 219-232.	1.2	3
1389	Stochastic block model reveals maps of citation patterns and their evolution in time. Journal of Informetrics, 2018, 12, 757-783.	1.4	12
1390	Community detection by laser network dynamics. Journal of Physics Communications, 2018, 2, 015005.	0.5	2
1391	Constructing null networks for community detection in complex networks. European Physical Journal B, 2018, 91, 1.	0.6	8
1392	Characterization of the movement of bovine cattle in the state of $Par\tilde{A}_i$ by means of temporal, spatial and relational analysis of the animal transit guides issued in the state during the year of 2016. , 2018, , .		0
1393	Impact of Reciprocity in Information Spreading Using Epidemic Model Variants. Information (Switzerland), 2018, 9, 136.	1.7	5
1394	Comparing Community Detection Algorithms in Transport Networks via Points of Interest. IEEE Access, 2018, 6, 29729-29738.	2.6	23
1395	Sentiment-driven Community Profiling and Detection on Social Media. , 2018, , .		6
1396	DEDSC: A Domain Expert Discovery Method Based on Structure and Content. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2018, 26, 583-599.	0.9	4
1397	Deconvolution of subcellular protrusion heterogeneity and the underlying actin regulator dynamics from live cell imaging. Nature Communications, 2018, 9, 1688.	5.8	22
1398	Analyzing hidden populations online: topic, emotion, and social network of HIV-related users in the largest Chinese online community. BMC Medical Informatics and Decision Making, 2018, 18, 2.	1.5	42
1399	A novel machine-learning approach to measuring scientific knowledge flows using citation context analysis. Scientometrics, 2018, 116, 973-996.	1.6	50
1400	Multiresolution Consensus Clustering in Networks. Scientific Reports, 2018, 8, 3259.	1.6	119
1401	Mapping the international health aid community using web data. EPJ Data Science, 2018, 7, .	1.5	3

#	Article	IF	CITATIONS
1402	Cue reactivity and opioid blockade in amphetamine dependence: A randomized, controlled fMRI study. Drug and Alcohol Dependence, 2018, 191, 91-97.	1.6	10
1403	The dynamics of knowledge acquisition via self-learning in complex networks. Chaos, 2018, 28, 083106.	1.0	12
1404	Parallel Community Detection Based on Distance Dynamics for Large-Scale Network. IEEE Access, 2018, 6, 42775-42789.	2.6	17
1405	ClueNet: Clustering a temporal network based on topological similarity rather than denseness. PLoS ONE, 2018, 13, e0195993.	1.1	12
1406	Community Detection in Who-calls-Whom Social Networks. Lecture Notes in Computer Science, 2018, , 19-33.	1.0	4
1407	Altered functional network connectivity relates to motor development in children born very preterm. Neurolmage, 2018, 183, 574-583.	2.1	40
1408	Three Distinct Sets of Connector Hubs Integrate Human Brain Function. Cell Reports, 2018, 24, 1687-1695.e4.	2.9	113
1409	Convex skeletons of complex networks. Journal of the Royal Society Interface, 2018, 15, 20180422.	1.5	5
1410	High-Order Degree and Combined Degree in Complex Networks. Mathematical Problems in Engineering, 2018, 2018, 1-12.	0.6	2
1411	Sequence comparison in computational historical linguistics. Journal of Language Evolution, 2018, 3, 130-144.	0.4	19
1412	On entropy research analysis: cross-disciplinary knowledge transfer. Scientometrics, 2018, 117, 123-139.	1.6	8
1413	Tolerance Methods in Graph Clustering: Application to Community Detection in Social Networks. Lecture Notes in Computer Science, 2018, , 73-87.	1.0	3
1414	Topological and topical characterisation of Twitter user communities. Data Technologies and Applications, 2018, 52, 482-501.	0.9	5
1415	An Extreme Learning Machine-Based Community Detection Algorithm in Complex Networks. Complexity, 2018, 2018, 1-10.	0.9	7
1416	The detection of criminal groups in real-world fused data: using the graph-mining algorithm "GraphExtract― Security Informatics, 2018, 7, .	2.5	16
1417	Random walk on signed networks. Physica A: Statistical Mechanics and Its Applications, 2018, 508, 558-566.	1.2	17
1418	Long-term roosting data reveal a unimodular social network in large fission-fusion society of the colony-living Natterer's bat (Myotis nattereri). Behavioral Ecology and Sociobiology, 2018, 72, 1.	0.6	22
1419	Visual Analytics for Networked-Guarantee Loans Risk Management. , 2018, , .		19

#	Article	IF	CITATIONS
1420	Eigenvalue and Eigenvector – Characteristic Value and Characteristic Vector. , 2018, , 736-736.		0
1421	Analyzing Community Structure Based on Topology Potential over Complex Network System. Communications in Computer and Information Science, 2018, , 56-68.	0.4	2
1422	Individual differences in aesthetic engagement are reflected in resting-state fMRI connectivity: Implications for stress resilience. NeuroImage, 2018, 179, 156-165.	2.1	17
1423	Double phase transition of the Ising model in core–periphery networks. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 063402.	0.9	6
1424	Relative Validity Criteria for Community Mining Algorithms. , 2018, , 2202-2216.		0
1425	Importance of initial conditions in the polarization of complex networks. Europhysics Letters, 2018, 122, 38002.	0.7	2
1426	Detecting Overlapping Communities in Social Networks with Voronoi and Tolerance Rough Sets. Lecture Notes in Computer Science, 2018, , 670-676.	1.0	2
1427	Emergent Functional Network Effects in Parkinson Disease. Cerebral Cortex, 2019, 29, 2509-2523.	1.6	56
1428	Community Detection Using Node Attributes: A Non-negative Matrix Factorization Approach. Advances in Intelligent Systems and Computing, 2019, , 275-285.	0.5	3
1429	Online Social Communities. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 289-341.	0.5	0
1430	Scalable non-deterministic clustering-based k-anonymization for rich networks. International Journal of Information Security, 2019, 18, 219-238.	2.3	13
1431	Fundamentals of Complex Network Analysis. Intelligent Systems Reference Library, 2019, , 17-56.	1.0	2
1432	Extraction of Co-authorship Networks. Intelligent Systems Reference Library, 2019, , 193-234.	1.0	0
1433	Fast detection of community structures using graph traversal in social networks. Knowledge and Information Systems, 2019, 59, 1-31.	2.1	14
1434	Modeling and Predicting Community Structure Changes in Time-Evolving Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1166-1180.	4.0	41
1435	Extracting commercialization opportunities of the Internet of Things: Measuring text similarity between papers and patents. Technological Forecasting and Social Change, 2019, 138, 45-68.	6.2	25
1436	Mining Set of Interested Communities with Limited Exemplar Nodes for Network Based Services. IEEE Transactions on Services Computing, 2021, 14, 1138-1151.	3.2	3
1437	Network analysis and qualitative discourse analysis of a classroom group discussion. International Journal of Research and Method in Education, 2019, 42, 317-339.	1.1	13

#	Article	IF	Citations
1438	Network partitioning on time-dependent origin-destination electronic trace data. Personal and Ubiquitous Computing, 2019, 23, 687-706.	1.9	4
1439	Tie-formation process within the communities of the Japanese production network: application of an exponential random graph model. Applied Network Science, 2019, 4, .	0.8	4
1440	Local bow-tie structure of the web. Applied Network Science, 2019, 4, .	0.8	9
1441	A regionalization method for clustering and partitioning based on trajectories from NLP perspective. International Journal of Geographical Information Science, 2019, 33, 2385-2405.	2.2	19
1442	Community Search over Big Graphs. Synthesis Lectures on Data Management, 2019, 14, 1-206.	0.6	24
1443	A time-series approach to measuring node similarity in networks and its application to community detection. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125870.	0.9	4
1444	Immunization of networks with non-overlapping community structure. Social Network Analysis and Mining, 2019, 9, 1.	1.9	42
1445	Social BI to understand the debate on vaccines on the Web and social media: unraveling the anti-, free, and pro-vax communities in Italy. Social Network Analysis and Mining, 2019, 9, 1.	1.9	6
1446	Finding communities in bicycle sharing system. Journal of Visualization, 2019, 22, 1177-1192.	1.1	8
1447	Error-correcting decoders for communities in networks. Applied Network Science, 2019, 4, .	0.8	1
1448	A novel framework for community modeling and characterization in directed temporal networks. Applied Network Science, 2019, 4, .	0.8	4
1449	Characterizing dynamic communication in online eating disorder communities: a multiplex network approach. Applied Network Science, 2019, 4, .	0.8	9
1450	Community structure in co-inventor networks affects time to first citation for patents. Applied Network Science, 2019, 4, .	0.8	4
1451	Relational flexibility of network elements based on inconsistent community detection. Physical Review E, 2019, 100, 022311.	0.8	11
1452	Finding maximal bicliques in bipartite networks using node similarity. Applied Network Science, 2019, 4,	0.8	5
1453	Uncovering complex overlapping pattern of communities in large-scale social networks. Applied Network Science, 2019, 4, .	0.8	4
1454	Increasing trend of scientists to switch between topics. Nature Communications, 2019, 10, 3439.	5.8	75
1455	Graph Embedding Based Familial Analysis of Android Malware using Unsupervised Learning. , 2019, , .		47

#	Article	IF	Citations
1456	Scientific Twitter: The flow of paleontological communication across a topic network. PLoS ONE, 2019, 14, e0219688.	1.1	12
1457	Does Science Advance One Funeral at a Time?. American Economic Review, 2019, 109, 2889-2920.	4.0	140
1458	What You Don't See Can Hurt You: Awareness Cues to Profile Indirect Competitors. Academy of Management Journal, 2019, 62, 1872-1900.	4.3	20
1459	Map equation with metadata: Varying the role of attributes in community detection. Physical Review E, 2019, 100, 022301.	0.8	12
1460	Centrality in modular networks. EPJ Data Science, 2019, 8, .	1.5	59
1461	Reciprocity and impact in academic careers. EPJ Data Science, 2019, 8, .	1.5	17
1462	Competition for hosts modulates vast antigenic diversity to generate persistent strain structure in Plasmodium falciparum. PLoS Biology, 2019, 17, e3000336.	2.6	40
1463	Research on the Complex Characteristics of Freight Transportation from a Multiscale Perspective Using Freight Vehicle Trip Data. Sustainability, 2019, 11, 1897.	1.6	11
1464	Characterizing and Predicting Autism Spectrum Disorder by Performing Resting-State Functional Network Community Pattern Analysis. Frontiers in Human Neuroscience, 2019, 13, 203.	1.0	31
1465	Efficient personalized community detection via genetic evolution. , 2019, , .		2
1466	Link communities detection: an embedding method on the line hypergraph. Neurocomputing, 2019, 367, 46-54.	3.5	4
1467	Network analysis of whole-brain fMRI dynamics: A new framework based on dynamic communicability. Neurolmage, 2019, 201, 116007.	2.1	36
1468	Community Detection on NetworksÂwith Ricci Flow. Scientific Reports, 2019, 9, 9984.	1.6	40
1469	Label propagation method based on bi-objective optimization for ambiguous community detection in large networks. Scientific Reports, 2019, 9, 9999.	1.6	0
1470	The community structure of functional brain networks exhibits scale-specific patterns of inter- and intra-subject variability. Neurolmage, 2019, 202, 115990.	2.1	85
1471	Modularized tri-factor nonnegative matrix factorization for community detection enhancement. Physica A: Statistical Mechanics and Its Applications, 2019, 533, 122050.	1.2	8
1472	Intra- and Inter-cellular Rewiring of the Human Colon during Ulcerative Colitis. Cell, 2019, 178, 714-730.e22.	13.5	806
1473	Analysis of the Terrorist Organization Alliance Network Based on Complex Network Theory. IEEE Access, 2019, 7, 103854-103862.	2.6	18

#	Article	IF	CITATIONS
1474	InfoFlow: A Distributed Algorithm to Detect Communities According to the Map Equation. Big Data and Cognitive Computing, 2019, 3, 42.	2.9	1
1475	CDLIB: a python library to extract, compare and evaluate communities from complex networks. Applied Network Science, 2019, 4, .	0.8	73
1476	Microbial Similarity between Students in a Common Dormitory Environment Reveals the Forensic Potential of Individual Microbial Signatures. MBio, 2019, 10, .	1.8	31
1477	Understanding Metropolitan Crowd Mobility via Mobile Cellular Accessing Data. ACM Transactions on Spatial Algorithms and Systems, 2019, 5, 1-18.	1.1	11
1478	Decomposition of control and optimization problems by network structure: Concepts, methods, and inspirations from biology. AICHE Journal, 2019, 65, e16708.	1.8	26
1479	Pathway and network analysis of genes related to osteoporosis. Molecular Medicine Reports, 2019, 20, 985-994.	1.1	8
1480	Clustering Data Streams: A Complex Network Approach. Lecture Notes in Computer Science, 2019, , 52-65.	1.0	0
1481	Characterising and evaluating dynamic online communities from live microblogging user interactions. Social Network Analysis and Mining, 2019, 9, 1.	1.9	4
1482	Trait-like variants in human functional brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22851-22861.	3.3	153
1483	Influence of climate changes on the potential distribution of a widespread grassland species in South America. Perspectives in Plant Ecology, Evolution and Systematics, 2019, 41, 125496.	1.1	13
1484	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
1485	Cross-Sample Community Detection and Sentiment Analysis. , 2019, , .		0
1486	Finding Better Web Communities in Digraphs via Max-Flow Min-Cut. , 2019, , .		3
1487	Ego-zones: non-symmetric dependencies reveal network groups with large and dense overlaps. Applied Network Science, 2019, 4, .	0.8	7
1488	Community structure based on circular flow in a large-scale transaction network. Applied Network Science, 2019, 4, .	0.8	22
1489	Local memory boosts label propagation for community detection. Applied Network Science, 2019, 4, .	0.8	6
1490	Network Evolution of a Large Online MSM Dating Community: 2005–2018. International Journal of Environmental Research and Public Health, 2019, 16, 4322.	1.2	3
1491	Mucosal Profiling of Pediatric-Onset Colitis and IBD Reveals Common Pathogenics and Therapeutic Pathways. Cell, 2019, 179, 1160-1176.e24.	13.5	163

#	Article	IF	CITATIONS
1492	Rewiring and indirect effects underpin modularity reshuffling in a marine food web under environmental shifts. Ecology and Evolution, 2019, 9, 11631-11646.	0.8	20
1493	An adaptive granulation algorithm for community detection based on improved label propagation. International Journal of Approximate Reasoning, 2019, 114, 115-126.	1.9	5
1494	A new local algorithm for overlapping community detection based on clustering coefficient and common neighbor similarity. , 2019, , .		1
1495	Local Higher-Order Community Detection Based on Fuzzy Membership Functions. IEEE Access, 2019, 7, 128510-128525.	2.6	7
1496	Identification of Bridging Centrality in Complex Networks. IEEE Access, 2019, 7, 93123-93130.	2.6	14
1497	Analysis of group evolution prediction in complex networks. PLoS ONE, 2019, 14, e0224194.	1.1	10
1498	A Network Partition-based Cluster Method for Selecting Significant Community Structure. , 2019, , .		0
1499	Community Detection and Visualization in Complex Network by the Density-Canopy-Kmeans Algorithm and MDS Embedding. IEEE Access, 2019, 7, 120616-120625.	2.6	6
1500	Global biogeographical regions of freshwater fish species. Journal of Biogeography, 2019, 46, 2407-2419.	1.4	61
1501	Community detection based on Game Theory. Engineering Applications of Artificial Intelligence, 2019, 85, 773-782.	4.3	45
1502	Exploring all-author tripartite citation networks: A case study of gene editing. Journal of Informetrics, 2019, 13, 856-873.	1.4	15
1503	A scalable node ordering strategy based on community structure for enhanced temporal network visualization. Computers and Graphics, 2019, 84, 185-198.	1.4	18
1504	Functional and transcriptional connectivity of communities in breast cancer co-expression networks. Applied Network Science, 2019, 4, .	0.8	29
1505	Identification of key companies for international profit shifting in the Global Ownership Network. Applied Network Science, 2019, 4, .	0.8	9
1506	Ensemble clustering for graphs: comparisons and applications. Applied Network Science, 2019, 4, .	0.8	13
1507	Network―and distanceâ€based methods in bioregionalization processes at regional scale: An application to the terrestrial mammals of Iran. Journal of Biogeography, 2019, 46, 2433-2443.	1.4	7
1508	Neighbors-based divisive algorithm for hierarchical analysis in networks. International Journal of Modern Physics C, 2019, 30, 1940003.	0.8	0
1509	FluidC+: A novel community detection algorithm based on fluid propagation. International Journal of Modern Physics C, 2019, 30, 1950021.	0.8	1

#	Article	IF	CITATIONS
1510	Particle Competition for Multilayer Network Community Detection. , 2019, , .		7
1511	How the network properties of shareholders vary with investor type and country. PLoS ONE, 2019, 14, e0220965.	1.1	3
1512	Trends and Applications in Knowledge Discovery and Data Mining. Lecture Notes in Computer Science, 2019, , .	1.0	0
1513	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
1514	Consensus Clustering of Tweet Networks via Semantic and Sentiment Similarity Estimation. IEEE Access, 2019, 7, 116207-116217.	2.6	10
1515	Community Detection in Social Graph Using Nature-Inspired Based Artificial Bee Colony Algorithm with Crossover and Mutation. , 2019, , .		1
1516	Cognitive Architecture, Holistic Inference and Bayesian Networks. Minds and Machines, 2019, 29, 373-395.	2.7	1
1517	Predicting bike sharing demand using recurrent neural networks. Procedia Computer Science, 2019, 147, 562-566.	1.2	47
1518	A comprehensive literature review on community detection: Approaches and applications. Procedia Computer Science, 2019, 151, 295-302.	1.2	33
1519	Community Detection Using Fireworks Optimization Algorithm. International Journal on Artificial Intelligence Tools, 2019, 28, 1950010.	0.7	7
1520	Identifying reproducible individual differences in childhood functional brain networks: An ABCD study. Developmental Cognitive Neuroscience, 2019, 40, 100706.	1.9	86
1521	The Geometry of Culture: Analyzing the Meanings of Class through Word Embeddings. American Sociological Review, 2019, 84, 905-949.	2.8	245
1522	A Community Detection Algorithm Based on Markov Random Walks Ants in Complex Network. Journal of Shanghai Jiaotong University (Science), 2019, 24, 71-77.	0.5	4
1523	Conversational Networks for Automatic Online Moderation. IEEE Transactions on Computational Social Systems, 2019, 6, 38-55.	3.2	10
1524	Molecular Classification and Comparative Taxonomics of Foveal and Peripheral Cells in Primate Retina. Cell, 2019, 176, 1222-1237.e22.	13.5	347
1525	Detecting clusters over intercity transportation networks using K-shortest paths and hierarchical clustering: a case study of mainland China. International Journal of Geographical Information Science, 2019, 33, 1082-1105.	2.2	16
1526	Network-based microsynteny analysis identifies major differences and genomic outliers in mammalian and angiosperm genomes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2165-2174.	3.3	89
1527	Feature selection based on community detection in feature correlation networks. Computing (Vienna/New York), 2019, 101, 1513-1538.	3.2	6

#	Article	IF	Citations
1528	Communities detection in social network based on local edge centrality. Physica A: Statistical Mechanics and Its Applications, 2019, 531, 121552.	1.2	24
1529	Next Generation Networks: Featuring the Potential Role of Emerging Applications in Translational Oncology. Journal of Clinical Medicine, 2019, 8, 664.	1.0	6
1530	Brain network modularity predicts cognitive training-related gains in young adults. Neuropsychologia, 2019, 131, 205-215.	0.7	29
1531	ACFC: ant colony with fuzzy clustering algorithm for community detection in social networks. International Journal of Ad Hoc and Ubiquitous Computing, 2019, 31, 36.	0.3	3
1532	An evaluation of vertex and edge modification techniques for privacy-preserving on graphs. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15109-15125.	3.3	5
1533	Community detection based on information dynamics. Neurocomputing, 2019, 359, 341-352.	3.5	13
1534	Protein interactions and consensus clustering analysis uncover insights into herpesvirus virion structure and function relationships. PLoS Biology, 2019, 17, e3000316.	2.6	18
1535	Multiscale dynamical embeddings of complex networks. Physical Review E, 2019, 99, 062308.	0.8	32
1536	Establishing a Framework of Using Residue–Residue Interactions in Protein Difference Network Analysis. Journal of Chemical Information and Modeling, 2019, 59, 3222-3228.	2.5	21
1537	Multi-layer network community detection model based on attributes and social interaction intensity. Computers and Electrical Engineering, 2019, 77, 300-313.	3.0	11
1538	Community Detection through Likelihood Optimization: In Search of a Sound Model. , 2019, , .		23
1539	High-fidelity mapping of repetition-related changes in the parietal memory network. NeuroImage, 2019, 199, 427-439.	2.1	10
1540	Comparative Examination of Network Clustering Methods for Extracting Community Structures of a City From Public Transportation Smart Card Data. IEEE Access, 2019, 7, 53377-53391.	2.6	10
1541	Nestedness in complex networks: Observation, emergence, and implications. Physics Reports, 2019, 813, 1-90.	10.3	127
1542	The Heterogeneity Problem: Approaches to Identify Psychiatric Subtypes. Trends in Cognitive Sciences, 2019, 23, 584-601.	4.0	229
1543	Reconstruction and inference of the Lactococcus lactis MG1363 gene co-expression network. PLoS ONE, 2019, 14, e0214868.	1.1	5
1544	Centrality in Networks: Finding the Most Important Nodes. , 2019, , 401-433.		17
1545	Human activity is altering the world's zoogeographical regions. Ecology Letters, 2019, 22, 1297-1305.	3.0	47

#	Article	IF	CITATIONS
1546	Clustering Model for Microblogging Sites using Dimension Reduction Techniques. International Journal of Information System Modeling and Design, 2019, 10, 26-45.	0.9	6
1547	To Return or to Explore: Modelling Human Mobility and Dynamics in Cyberspace. , 2019, , .		6
1548	A novel node gravitation-based label propagation algorithm for community detection. International Journal of Modern Physics C, 2019, 30, 1950049.	0.8	10
1549	Evaluating Overfit and Underfit in Models of Network Community Structure. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1722-1735.	4.0	57
1550	New magnetic algorithm to detect community structure based on the magnets' approach. Modern Physics Letters B, 2019, 33, 1950166.	1.0	3
1551	FCMiner: mining functional communities in social networks. Social Network Analysis and Mining, 2019, 9, 1.	1.9	4
1552	Seeking community structure in networks via biogeography-based optimization with consensus dynamics. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121188.	1.2	5
1553	GA-Based Q-Attack on Community Detection. IEEE Transactions on Computational Social Systems, 2019, 6, 491-503.	3.2	63
1554	Infectivity enhances prediction of viral cascades in Twitter. PLoS ONE, 2019, 14, e0214453.	1.1	2
1555	Multiresolution community detection in weighted complex networks. International Journal of Modern Physics C, 2019, 30, 1950016.	0.8	1
1556	Linking social, semantic and sentiment analyses to support modeling transit customers' satisfaction: Towards formal study of opinion dynamics. Sustainable Cities and Society, 2019, 49, 101578.	5.1	36
1557	Community detector on symptom networks with applications to fatty liver disease. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121328.	1.2	1
1558	Exploring the sequence, function, and evolutionary space of protein superfamilies using sequence similarity networks and phylogenetic reconstructions. Methods in Enzymology, 2019, 620, 315-347.	0.4	13
1559	High-performance community detection in social networks using a deep transitive autoencoder. Information Sciences, 2019, 493, 75-90.	4.0	33
1560	The multiplex network of human diseases. Npj Systems Biology and Applications, 2019, 5, 15.	1.4	77
1561	Hierarchical community detection and functional area identification with OSM roads and complex graph theory. International Journal of Geographical Information Science, 2019, 33, 1569-1587.	2.2	54
1562	Biogeographical Network Analysis of Cretaceous Terrestrial Tetrapods: A Phylogeny-Based Approach. Systematic Biology, 2019, 68, 1034-1051.	2.7	4
1563	Large-scale analysis of micro-level citation patterns reveals nuanced selection criteria. Nature Human Behaviour, 2019, 3, 568-575.	6.2	13

#	Article	IF	CITATIONS
1564	A bio-inspired optimal network division method. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121259.	1.2	22
1565	Topological and functional comparison of community detection algorithms in biological networks. BMC Bioinformatics, 2019, 20, 212.	1.2	41
1566	Social media for intelligent public information and warning in disasters: An interdisciplinary review. International Journal of Information Management, 2019, 49, 190-207.	10.5	155
1567	On Detecting Multidimensional Communities. Lecture Notes in Social Networks, 2019, , 45-78.	0.8	2
1568	Evaluation of Community Detection Methods. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	4.0	25
1569	On community detection in complex networks based on different training algorithms: A case study on prediction of depression of internet addiction. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 1161-1170.	1.2	2
1570	Detecting Prosumer-Community Groups in Smart Grids From the Multiagent Perspective. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1652-1664.	5.9	134
1571	Topological reinforcement as a principle of modularity emergence in brain networks. Network Neuroscience, 2019, 3, 589-605.	1.4	16
1572	Big Data Processing, Analysis and Applications in Mobile Cellular Networks. Lecture Notes in Computer Science, 2019, , 163-185.	1.0	7
1573	Network Embedding via Community Based Variational Autoencoder. IEEE Access, 2019, 7, 25323-25333.	2.6	20
1574	An Interactive Resource to Probe Genetic Diversity and Estimated Ancestry in Cancer Cell Lines. Cancer Research, 2019, 79, 1263-1273.	0.4	43
1575	Fusing Mobile Phone Sensing and Brain Imaging to Assess Depression in College Students. Frontiers in Neuroscience, 2019, 13, 248.	1.4	35
1576	Detecting intrinsic communities in evolving networks. Social Network Analysis and Mining, 2019, 9, 1.	1.9	9
1577	High-Performance Modelling and Simulation for Big Data Applications. Lecture Notes in Computer Science, 2019, , .	1.0	7
1578	Overlapping brain Community detection using Bayesian tensor decomposition. Journal of Neuroscience Methods, 2019, 318, 47-55.	1.3	11
1579	A Comparative Study of Cluster Detection Algorithms in Protein–Protein Interaction for Drug Target Discovery and Drug Repurposing. Frontiers in Pharmacology, 2019, 10, 109.	1.6	26
1580	Sex differences in functional connectivity during fetal brain development. Developmental Cognitive Neuroscience, 2019, 36, 100632.	1.9	84
1581	Probabilistic density-based estimation of the number of clusters using the DBSCAN-martingale process. Pattern Recognition Letters, 2019, 123, 23-30.	2.6	7

#	Article	IF	CITATIONS
1582	Host Phylogeny, Geographic Overlap, and Roost Sharing Shape Parasite Communities in European Bats. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	34
1583	Role of economics in analyzing the environment and sustainable development. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5233-5238.	3.3	128
1584	A Rare Case of Gender Parity in Academia. Social Forces, 2019, 98, 518-547.	0.9	26
1585	Globalised vs averaged: Bias and ranking performance on the author level. Journal of Informetrics, 2019, 13, 299-313.	1.4	3
1586	The community structure identification for the Chinese merger and acquisition network. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120897.	1.2	0
1587	Detection of Communities in a Graph of Interactive Objects. Journal of Mathematical Sciences, 2019, 237, 426-431.	0.1	0
1588	Identifying multi-scale communities in networks by asymptotic surprise. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 033403.	0.9	16
1589	Fast consensus clustering in complex networks. Physical Review E, 2019, 99, 042301.	0.8	25
1590	Structural transition in social networks: The role of homophily. Scientific Reports, 2019, 9, 4310.	1.6	27
1591	Community-Based Event Detection in Temporal Networks. Scientific Reports, 2019, 9, 4358.	1.6	15
1592	Single-cell RNA sequencing reveals midbrain dopamine neuron diversity emerging during mouse brain development. Nature Communications, 2019, 10, 581.	5.8	189
1593	Scientific community detection via bipartite scholar/journal graph co-clustering. Journal of Informetrics, 2019, 13, 354-386.	1.4	20
1594	Visualization of a directed network with focus on its hierarchy and circularity. Journal of Computational Social Science, 2019, 2, 15-23.	1.4	6
1595	Community structure detection from networks with weighted modularity. Pattern Recognition Letters, 2019, 122, 14-22.	2.6	21
1596	Overlapping communities detection of social network based on hybrid C-means clustering algorithm. Sustainable Cities and Society, 2019, 47, 101436.	5.1	18
1597	Unveiling the Link Between Inflammation and Adaptive Immunity in Breast Cancer. Frontiers in Immunology, 2019, 10, 56.	2.2	9
1598	Differential network enrichment analysis reveals novel lipid pathways in chronic kidney disease. Bioinformatics, 2019, 35, 3441-3452.	1.8	26
1600	The Climate System. , 2019, , 1-13.		0

#	Article	IF	CITATIONS
1601	Climate Variability., 2019, , 14-26.		0
1602	Climate Data Analysis. , 2019, , 27-47.		1
1603	Climate Networks: Construction Methods and Analysis. , 2019, , 48-78.		0
1604	Computational Tools for Network Analysis. , 2019, , 79-93.		0
1605	Applications to Atmospheric Variability. , 2019, , 94-129.		0
1606	Applications to Oceanic Variability. , 2019, , 130-160.		0
1607	Climate Tipping Behavior. , 2019, , 161-197.		0
1608	Network-Based Prediction. , 2019, , 198-215.		0
1611	Decentralized iterative approaches for community clustering in the networks. Journal of Supercomputing, 2019, 75, 4894-4917.	2.4	3
1612	Prenatal lead exposure impacts cross-hemispheric and long-range connectivity in the human fetal brain. Neurolmage, 2019, 191, 186-192.	2.1	57
1613	A general framework for complex network-based image segmentation. Multimedia Tools and Applications, 2019, 78, 20191-20216.	2.6	14
1614	Modular Organization and Emergence in Systems Biology. , 2019, , 37-49.		5
1615	Emergence and Modularity in Life Sciences. , 2019, , .		7
1616	Semi-Supervised Community Discovery Algorithm Based on Node Similarity. , 2019, , .		1
1617	Evaluating vulnerability to fake news in social networks. , 2019, , .		7
1618	The Eminence of Co-Expressed Ties in Schizophrenia Network Communities. Data, 2019, 4, 149.	1.2	0
1619	Discovering communities of community discovery. , 2019, , .		2
1621	Crawling the Community Structure of Multiplex Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 168-175.	3.6	6

#	ARTICLE	IF	CITATIONS
1622	Basketball Web Community System Based on Java Web. , 2019, , .		0
1624	Investigating the Influence of Routing Scheme Algorithms on the Source Location Privacy Protection and Network Lifetime., 2019,,.		O
1625	Influence Flowers of Academic Entities. , 2019, , .		8
1626	A $0.9/1.8/2.4$ GHz-reconfigurable LNA with Inductor and Capacitor Tuning for IoT Application in 65nm CMOS. , $2019, , .$		1
1627	Implementation of Control Tactics on Standalone Solar PV System. , 2019, , .		7
1628	Robust Adaptive Back-stepping Attitude Control for Hypersonic Reentry Vehicles. , 2019, , .		2
1629	Visual Feedback for Core Training with 3D Human Shape and Pose. , 2019, , .		8
1630	On Persistency of Excitation and Formulas for Data-driven Control. , 2019, , .		21
1631	Realisation of a High Spectral Efficient Chipless RFID Tag using Hairpin Resonators., 2019,,.		8
1632	Residual MultiSmoothlets., 2019, , .		0
1633	A UNIFIED COMMUNITY DETECTION ALGORITHM IN LARGE-SCALE COMPLEX NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 22, 1950004.	0.9	3
1634	Distributed Multi-Objective Community Detection in Large-Scale and Complex Networks. , 2019, , .		2
1635	Discrete Overlapping Community Detection with Pseudo Supervision. , 2019, , .		16
1636	AMR Complexes Metrological Characteristics Control at Calibration Time Intervals. , 2019, , .		1
1637	Low-loss Silicon Optical Filter with Narrow Bandwidth and Steep Roll-off Based on Cascaded Feed-forward Microring Resonators. , 2019, , .		0
1639	Anti-Islanding Protection by Power Line Signaling and Wavelet Transform. , 2019, , .		4
1640	Remote Sensing Object Localization with Deep Heterogeneous Superpixel Features. , 2019, , .		5
1641	Award of the Best Paper on Ecological Vehicles. , 2019, , .		0

#	Article	IF	CITATIONS
1642	Message from the TPC Chairs. , 2019, , .		0
1643	Acquisition Games with Partial-Asymmetric Information. , 2019, , .		2
1644	Vanadium Redox & Dithium Ion Based Multi-Battery Hybrid Energy Storage System for Microgrid., 2019,,.		1
1645	Efficient Password Guessing Based on a Password Segmentation Approach. , 2019, , .		5
1646	Public Beliefs about Lightning in Malaysia. , 2019, , .		6
1647	OCDAD: An Overlapping Community Detecting Algorithm using Attention Degree in Directed Ex-EgoNet. , 2019, , .		0
1648	Person Movement and Stay Classification Based on Base Station Network Data. , 2019, , .		1
1649	Design of Low-Cost BLAC Motors for Integrated Electric Brake Systems. IEEE Access, 2019, 7, 184183-184193.	2.6	8
1650	A Constructive Approach for General Video Game Level Generation. , 2019, , .		4
1651	A New Bearing Fault Diagnosis Framework With Deep Adaptation Networks For Industrial Application. , 2019, , .		0
1652	SeaVizKit: Interactive Maps for Ocean Visualization. , 2019, , .		3
1653	A Bluetooth Location-based Indoor Positioning System for Asset Tracking in Warehouse. , 2019, , .		15
1654	Risk Assessment of Submarine Pipelines Based on Multi-Source Data Model. , 2019, , .		1
1655	Detecting Overlapping Community Structure With Node Influence. IEEE Access, 2019, 7, 171223-171234.	2.6	3
1656	An Approach to Customer Community Discovery., 0,,.		1
1657	A Rectenna Using Copper Foil on Glass to Reduce Cost of Space Solar Power. , 2019, , .		5
1658	Bistatic and Monostatic InSAR Results with the MetaSensing Airborne SAR System., 2019, , .		6
1659	A bilevel programming framework for piecewise affine system identification. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1660	CLUSTER 2019 Message from the Program Chairs. , 2019, , .		0
1661	Fujian Anti-Disaster Baseline Power Grid Planning Method Based on Network-Source-Load Cooperation., 2019,,.		3
1662	Extracting Interpretable Features for Fetal Heart Rate Recordings with Gaussian Processes. , 2019, 2019, 381-385.		2
1663	Forbidden Nodes Aware Community Search. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 758-765.	3.6	10
1664	Fast Stochastic Block Partitioning using a Single Commodity Machine. , 2019, , .		1
1665	Integration Network for Fast Pedestrian Detection in Crowd Scenarios. , 2019, , .		0
1666	A Conditional-Constraint Optimization for Joint Energy Management of Data Center and Electric Vehicle Parking-Lot. , 2019, , .		0
1667	Research on the Method of Controllable Load Participating in Power Grid Regulation in Ubiquitous Power Internet of Things. , 2019, , .		0
1668	Community Detection Method Based on Node Density, Degree Centrality, and K-Means Clustering in Complex Network. Entropy, 2019, 21, 1145.	1.1	15
1669	Research on Optimization for Siting and Sizing of Distributed Generation Considering Wind and Light Abandonment and Environmental Cost. , 2019, , .		2
1670	d-SNE: Domain Adaptation Using Stochastic Neighborhood Embedding. , 2019, , .		75
1671	Strike (With) a Pose: Neural Networks Are Easily Fooled by Strange Poses of Familiar Objects. , 2019, , .		96
1672	Face Recognition Using LBP on an Image Transformation Based on Complex Network Degrees. , 2019, , .		0
1673	Nb5N6 Buffered Superconducting NbN Nanowire Single-Photon Detector on Si Substrate. , 2019, , .		1
1674	Reliability and Safety Issues Observed in Flood Affected PV Power Plants and Strategies to Mitigate the Damage in Future. , $2019, , .$		0
1675	Privacy in IoT Blockchains: with Big Data comes Big Responsibility. , 2019, , .		12
1676	Decoupling Control of Headbox using Particle Swarm Optimisation (PSO) Algorithm., 2019,,.		0
1677	Distributed Community Detection in Large Networks using An Information-Theoretic Approach. , 2019, ,		4

#	Article	IF	Citations
1678	Low Power Design of Runtime Reconfigurable FPGAs through Contexts Approximations. , 2019, , .		0
1679	FQ-PIE Queue Discipline in the Linux Kernel: Design, Implementation and Challenges. , 2019, , .		2
1680	Research on Model Predictive Control Method for Multi-paralleled DC-DC Converters. , 2019, , .		1
1681	A Key Management Protocol for Secure Device-to-Device Communication in the Internet of Things. , 2019, , .		1
1682	Consortium Blockchain-Based Architecture for Cyber-attack Signatures and Features Distribution. , 2019, , .		8
1683	Disease Prediction Model Based on BiLSTM and Attention Mechanism. , 2019, , .		7
1684	Predicting the Remaining Useful Life of Ball Bearing Under Dynamic Loading Using Supervised Learning. , 2019, , .		2
1685	Dynamic Virtual Machine Scheduling Approach for Minimizing the Response Time Using Distance Aware Virtual Machine Scheduler in Cloud Computing. , 2019, , .		0
1686	Data-Driven Validation of Pedagogical Model - A Case of Blended LCM Model. , 2019, , .		3
1687	Frontal Synchronization Biases in Obsessive-Compulsive Disorders. , 2019, , .		0
1688	Novel Control Method for Three Phase Inverter of Permanent Magnet Synchronous Motor in Over-Modulation Operation. , 2019, , .		0
1689	Interaction of Multidimensional NLS Solitons in Nonuniform and Nonstationary Medium., 2019, , .		1
1690	Accelerated Approximate Nearest Neighbors Search Through Hierarchical Product Quantization. , 2019, , .		5
1691	Techniques for Exudate Detection for Diabetic Retinopathy. , 2019, , .		1
1692	Study on Grid-connected Renewable Energy Grid Code Compliance. , 2019, , .		10
1693	A Multi-Objective Community Detection Algorithm for Directed Network Based on Random Walk. IEEE Access, 2019, 7, 162652-162663.	2.6	6
1694	Location Prediction with Communities in User Ego-Net in Social Media., 2019,,.		3
1695	Community Detection with Self-Adapting Switching Based on Affinity. Complexity, 2019, 2019, 1-16.	0.9	0

#	Article	IF	CITATIONS
1696	Relating Modularity Maximization and Stochastic Block Models in Multilayer Networks. SIAM Journal on Mathematics of Data Science, 2019, 1, 667-698.	1.0	16
1697	Notice of Removal: Discovering community structure in networks - A comparative study. , 2019, , .		0
1698	Understanding the effect of nanoconfinement on the structure of water hydrogen bond networks. Physical Chemistry Chemical Physics, 2019, 21, 26237-26250.	1.3	18
1699	An ant colony approach in the detection of communities in complex networks. AIP Conference Proceedings, 2019, , .	0.3	0
1700	Detection of Communities in Large Scale Networks. , 2019, , .		2
1701	The value of complementary co-workers. Science Advances, 2019, 5, eaax3370.	4.7	32
1702	Brain activity links performance in science reasoning with conceptual approach. Npj Science of Learning, 2019, 4, 20.	1.5	8
1703	Using transfer learning from prior reference knowledge to improve the clustering of single-cell RNA-Seq data. Scientific Reports, 2019, 9, 20353.	1.6	23
1704	Finding Community Modules of Brain Networks Based on PSO with Uniform Design. BioMed Research International, 2019, 2019, 1-14.	0.9	3
1705	Methodological aspects of constructing the concept of complex technological and intelligent systems. AIP Conference Proceedings, 2019, , .	0.3	1
1706	Exploring the solution landscape enables more reliable network community detection. Physical Review E, 2019, 100, 052308.	0.8	27
1707	Analysis of Community In Social Networks Based on Game Theory. , 2019, , .		7
1708	Single-Cell Profiles of Retinal Ganglion Cells Differing in Resilience to Injury Reveal Neuroprotective Genes. Neuron, 2019, 104, 1039-1055.e12.	3.8	396
1709	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
1710	Transfer Entropy between Communities in Complex Financial Networks. Entropy, 2019, 21, 1124.	1.1	16
1711	Diversity, evolution, and classification of virophages uncovered through global metagenomics. Microbiome, 2019, 7, 157.	4.9	53
1712	DICO: A Graph-DB Framework for Community Detection on Big Scholarly Data. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1987-2003.	3.2	28
1713	Circulating proteomic signature of early death in heart failure patients with reduced ejection fraction. Scientific Reports, 2019, 9, 19202.	1.6	21

#	Article	IF	CITATIONS
1714	Game Theoretical Approach for Non-Overlapping Community Detection. , 2019, , .		0
1715	Social Community Detection Scheme Based on Social-Aware in Mobile Social Networks. IEEE Access, 2019, 7, 173407-173418.	2.6	9
1716	Strength Adjusted Multilayer Spectral Clustering. , 2019, , .		2
1717	Evolution and Global Transmission of a Multidrug-Resistant, Community-Associated Methicillin-Resistant Staphylococcus aureus Lineage from the Indian Subcontinent. MBio, 2019, 10, .	1.8	50
1718	The block-constrained configuration model. Applied Network Science, 2019, 4, .	0.8	5
1719	Revealing Dynamic Mechanisms of Cell Fate Decisions From Single-Cell Transcriptomic Data. Frontiers in Genetics, 2019, 10, 1280.	1.1	19
1720	3. Technologies and approaches for virtual community detection. , 2019, , 69-118.		0
1721	Networks clustering with bee colony. Artificial Intelligence Review, 2019, 52, 1297-1309.	9.7	3
1722	Reliable Link Inference for Network Data With Community Structures. IEEE Transactions on Cybernetics, 2019, 49, 3347-3361.	6.2	21
1723	Exponentially Twisted Sampling for Centrality Analysis and Community Detection in Attributed Networks. IEEE Transactions on Network Science and Engineering, 2019, 6, 684-697.	4.1	7
1725	Dynamics of Overlapping Community Structures with Application to Expert Identification. Lecture Notes in Social Networks, 2019, , 153-208.	0.8	0
1726	Community detection using multilayer edge mixture model. Knowledge and Information Systems, 2019, 60, 757-779.	2.1	16
1727	Characterization of the community structure in a large-scale production network in Japan. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 210-221.	1.2	9
1728	Clustering Method Based on Centrality Metrics for Social Network Analysis. Lecture Notes in Electrical Engineering, 2019, , 591-597.	0.3	1
1729	Tracing the diversification history of a Neogene rodent invasion into South America. Ecography, 2019, 42, 683-695.	2.1	34
1730	Comparing directed functional connectivity between groups with confirmatory subgrouping GIMME. Neurolmage, 2019, 188, 642-653.	2.1	26
1731	A complex network community detection algorithm based on label propagation and fuzzy C-means. Physica A: Statistical Mechanics and Its Applications, 2019, 519, 217-226.	1.2	27
1732	Diffusion on hierarchical systems of weakly-coupled networks. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 675-686.	1.2	8

#	Article	IF	Citations
1733	A multi-objective bat algorithm for community detection on dynamic social networks. Applied Intelligence, 2019, 49, 2119-2136.	3.3	43
1734	Biogeographical network analysis of plant species distribution in the Mediterranean region. Ecology and Evolution, 2019, 9, 237-250.	0.8	8
1735	Identifying Propagation Source in Large-Scale Networks. Advances in Information Security, 2019, , 159-178.	0.9	0
1736	The symptoms at the center: Examining the comorbidity of posttraumatic stress disorder, generalized anxiety disorder, and depression with network analysis. Journal of Psychiatric Research, 2019, 109, 52-58.	1.5	115
1737	Dissecting the Genomic Diversification of Late Embryogenesis Abundant (LEA) Protein Gene Families in Plants. Genome Biology and Evolution, 2019, 11, 459-471.	1.1	102
1738	Capturing Dynamic Connectivity From Resting State fMRI Using Time-Varying Graphical Lasso. IEEE Transactions on Biomedical Engineering, 2019, 66, 1852-1862.	2.5	32
1739	Improved network community detection using meta-heuristic based label propagation. Applied Intelligence, 2019, 49, 1451-1466.	3.3	15
1740	Malicious Attack Propagation and Source Identification. Advances in Information Security, 2019, , .	0.9	2
1741	A Link-Based Similarity for Improving Community Detection Based on Label Propagation Algorithm. Journal of Systems Science and Complexity, 2019, 32, 737-758.	1.6	34
1742	Identification of Casiopeina II-gly secondary targets through a systems pharmacology approach. Computational Biology and Chemistry, 2019, 78, 127-132.	1.1	10
1743	Intelligent Random Walk: An Approach Based on Learning Automata. SpringerBriefs in Applied Sciences and Technology, 2019, , .	0.2	3
1744	Random Walk Algorithms: Definitions, Weaknesses, and Learning Automata-Based Approach. SpringerBriefs in Applied Sciences and Technology, 2019, , 1-7.	0.2	1
1745	A novel modularity-based discrete state transition algorithm for community detection in networks. Neurocomputing, 2019, 334, 89-99.	3.5	52
1746	A novel evolutionary clustering via the first-order varying information for dynamic networks. Physica A: Statistical Mechanics and Its Applications, 2019, 520, 507-520.	1,2	2
1747	The structured backbone of temporal social ties. Nature Communications, 2019, 10, 220.	5.8	37
1748	Heterogeneous network-based chronic disease progression mining. Big Data Mining and Analytics, 2019, 2, 25-34.	7.5	9
1749	Precision Inhibitory Stimulation of Individual-Specific Cortical Hubs Disrupts Information Processing in Humans. Cerebral Cortex, 2019, 29, 3912-3921.	1.6	35
1750	Geospatial variation in coâ€occurrence networks of nitrifying microbial guilds. Molecular Ecology, 2019, 28, 293-306.	2.0	50

#	Article	IF	CITATIONS
1751	A Community-Aware Approach for Identifying Node Anomalies in Complex Networks. Studies in Computational Intelligence, 2019, , 244-255.	0.7	3
1752	A Memory-Based Label Propagation Algorithm for Community Detection. Studies in Computational Intelligence, 2019, , 171-182.	0.7	5
1753	Bayesian Complex Network Community Detection Using Nonparametric Topic Model. Studies in Computational Intelligence, 2019, , 280-291.	0.7	1
1754	Entropy in Network Community as an Indicator of Language Structure in Emoji Usage: A Twitter Study Across Various Thematic Datasets. Studies in Computational Intelligence, 2019, , 328-337.	0.7	1
1755	Bringing a Feature Selection Metric from Machine Learning to Complex Networks. Studies in Computational Intelligence, 2019, , 107-118.	0.7	2
1756	Ensemble Clustering for Graphs. Studies in Computational Intelligence, 2019, , 231-243.	0.7	11
1757	Integrating molecular networks with genetic variant interpretation for precision medicine. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2019, 11, e1443.	6.6	34
1758	Comparison of Methods to Identify Modules in Noisy or Incomplete Brain Networks. Brain Connectivity, 2019, 9, 128-143.	0.8	11
1759	Dynamics of Nonlinear Random Walks on Complex Networks. Journal of Nonlinear Science, 2019, 29, 1419-1444.	1.0	9
1760	Directed LPA: Propagating labels in directed networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 732-737.	0.9	11
1761	Community detection in social networks based on fire propagation. Swarm and Evolutionary Computation, 2019, 44, 31-48.	4.5	23
1762	Perspectives on the evolution of online communities. Behaviour and Information Technology, 2019, 38, 592-608.	2.5	2
1763	Preliminary of Modeling Malicious Attack Propagation. Advances in Information Security, 2019, , 11-19.	0.9	0
1764	Connecting network science and information theory. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 641-648.	1.2	9
1765	k-Degree anonymity on directed networks. Knowledge and Information Systems, 2019, 61, 1743-1768.	2.1	17
1766	Detecting critical links of urban networks using cluster detection methods. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 288-298.	1.2	21
1767	Distributed control and optimization of process system networks: A review and perspective. Chinese Journal of Chemical Engineering, 2019, 27, 1461-1473.	1.7	14
1768	Ensemble-based overlapping community detection using disjoint community structures. Knowledge-Based Systems, 2019, 163, 241-251.	4.0	28

#	Article	IF	CITATIONS
1769	Restricted and Repetitive Behavior and Brain Functional Connectivity in Infants at Risk for Developing Autism Spectrum Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 50-61.	1.1	53
1770	Rewardâ€related regions form a preferentially coupled system at rest. Human Brain Mapping, 2019, 40, 361-376.	1.9	23
1771	Evolutionary Community Detection Algorithms. , 2019, , 77-115.		2
1772	Community detection based on network communicability distance. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 112-118.	1.2	10
1773	Mapping the human brain's cortical-subcortical functional network organization. Neurolmage, 2019, 185, 35-57.	2.1	371
1774	An efficient and fast algorithm for community detection based on node role analysis. International Journal of Machine Learning and Cybernetics, 2019, 10, 641-654.	2.3	3
1775	A network distance and graph-partitioning-based clustering method for improving the accuracy of urban hotspot detection. Geocarto International, 2019, 34, 293-315.	1.7	17
1776	Parallel and distributed core label propagation with graph coloring. Concurrency Computation Practice and Experience, 2019, 31, e4355.	1.4	6
1777	Tracking Network Evolution and Their Applications in Structural Network Analysis. IEEE Transactions on Network Science and Engineering, 2019, 6, 562-575.	4.1	18
1778	Local Core Members Aided Community Structure Detection. Mobile Networks and Applications, 2019, 24, 1373-1381.	2.2	10
1779	Locally Weighted Fusion of Structural and Attribute Information in Graph Clustering. IEEE Transactions on Cybernetics, 2019, 49, 247-260.	6.2	25
1780	Data Clustering and Graph Partitioning via Simulated Mixing. IEEE Transactions on Network Science and Engineering, 2019, 6, 253-266.	4.1	3
1782	Hierarchical Clustering of Bipartite Networks Based on Multiobjective Optimization. IEEE Transactions on Network Science and Engineering, 2020, 7, 421-434.	4.1	13
1783	Privacy Leakage via De-Anonymization and Aggregation in Heterogeneous Social Networks. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 350-362.	3.7	43
1784	An attribute-based community search method with graph refining. Journal of Supercomputing, 2020, 76, 7777-7804.	2.4	16
1785	Multilayer Flows in Molecular Networks Identify Biological Modules in the Human Proteome. IEEE Transactions on Network Science and Engineering, 2020, 7, 411-420.	4.1	14
1786	Leader-aware community detection in complex networks. Knowledge and Information Systems, 2020, 62, 639-668.	2.1	8
1787	Advances in Self-Organizing Maps, Learning Vector Quantization, Clustering and Data Visualization. Advances in Intelligent Systems and Computing, 2020, , .	0.5	4

#	Article	IF	CITATIONS
1788	Predicting Citation Count of Scientists as a Link Prediction Problem. IEEE Transactions on Cybernetics, 2020, 50, 4518-4529.	6.2	52
1789	A fuzzy logic approach to influence maximization in social networks. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2435-2451.	3.3	10
1790	A Novel Trust Model Based Overlapping Community Detection Algorithm for Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 2101-2114.	4.0	20
1791	Evaluation of the Sample Clustering Process on Graphs. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1333-1347.	4.0	5
1792	Graph K-means Based on Leader Identification, Dynamic Game, and Opinion Dynamics. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1348-1361.	4.0	111
1793	Critical Component Analysis in Cascading Failures for Power Grids Using Community Structures in Interaction Graphs. IEEE Transactions on Network Science and Engineering, 2020, 7, 1079-1093.	4.1	20
1794	Online social network analysis: detection of communities of interest. Journal of Intelligent Information Systems, 2020, 54, 5-21.	2.8	24
1795	Topic and sentiment aware microblog summarization for twitter. Journal of Intelligent Information Systems, 2020, 54, 129-156.	2.8	18
1796	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
1797	Homophily Preserving Community Detection. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2903-2915.	7.2	18
1798	Unifying the Notions of Modularity and Core–Periphery Structure in Functional Brain Networks during Youth. Cerebral Cortex, 2020, 30, 1087-1102.	1.6	16
1799	An ensemble based on a bi-objective evolutionary spectral algorithm for graph clustering. Expert Systems With Applications, 2020, 141, 112911.	4.4	7
1800	DUEF-GA: data utility and privacy evaluation framework for graph anonymization. International Journal of Information Security, 2020, 19, 465-478.	2.3	6
1801	Characteristics and community evolution patterns of the international scrap metal trade. Journal of Cleaner Production, 2020, 243, 118576.	4.6	38
1802	Modularized convex nonnegative matrix factorization for community detection in signed and unsigned networks. Physica A: Statistical Mechanics and Its Applications, 2020, 539, 122904.	1.2	9
1803	Revealing the fatigue crack initiation mechanism of a TiB2-reinforced steel matrix composite. International Journal of Fatigue, 2020, 130, 105276.	2.8	18
1804	Brain networks, dimensionality, and global signal averaging in resting-state fMRI: Hierarchical network structure results in low-dimensional spatiotemporal dynamics. NeuroImage, 2020, 205, 116289.	2.1	40
1805	Discovering the Hidden Community Structure of Public Transportation Networks. Networks and Spatial Economics, 2020, 20, 209-231.	0.7	12

#	Article	IF	CITATIONS
1806	Empowering graph segmentation methods with SOMs and CONN similarity for clustering large and complex data. Neural Computing and Applications, 2020, 32, 18161-18178.	3.2	6
1807	A three-stage algorithm on community detection in social networks. Knowledge-Based Systems, 2020, 187, 104822.	4.0	53
1808	A local community detection algorithm based on internal force between nodes. Applied Intelligence, 2020, 50, 328-340.	3.3	36
1809	Industry classification with online resume big data: A design science approach. Information and Management, 2020, 57, 103182.	3. 6	10
1810	Organization of Propagated Intrinsic Brain Activity in Individual Humans. Cerebral Cortex, 2020, 30, 1716-1734.	1.6	48
1811	An optimisation tool for robust community detection algorithms using content and topology information. Journal of Supercomputing, 2020, 76, 226-254.	2.4	14
1812	A set of functionally-defined brain regions with improved representation of the subcortex and cerebellum. NeuroImage, 2020, 206, 116290.	2.1	143
1813	Community Detection in Complex Networks Using Nonnegative Matrix Factorization and Density-Based Clustering Algorithm. Neural Processing Letters, 2020, 51, 1731-1748.	2.0	12
1814	The Database of Cross-Linguistic Colexifications, reproducible analysis of cross-linguistic polysemies. Scientific Data, 2020, 7, 13.	2.4	60
1815	Multiplex community detection in complex networks using an evolutionary approach. Expert Systems With Applications, 2020, 146, 113184.	4.4	21
1816	The structure of the online state: towards a web ecology perspective. Government Information Quarterly, 2020, 37, 101440.	4.0	5
1817	Detecting communities in social networks based on cliques. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 124100.	1.2	7
1818	Computational network biology: Data, models, and applications. Physics Reports, 2020, 846, 1-66.	10.3	126
1819	Study on the topology and dynamics of the rail transit network based on automatic fare collection data. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123538.	1.2	15
1820	Autonomous Semantic Community Detection via Adaptively Weighted Low-rank Approximation. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-22.	3.0	6
1821	iBridge: Inferring bridge links that diffuse information across communities. Knowledge-Based Systems, 2020, 192, 105249.	4.0	4
1822	Swash: A collective personal name matching framework. Expert Systems With Applications, 2020, 147, 113115.	4.4	1
1823	Hierarchical and overlapping social circle identification in ego networks based on link clustering. Neurocomputing, 2020, 381, 322-335.	3.5	10

#	ARTICLE	IF	Citations
1824	Graph-based label propagation algorithm for community detection. International Journal of Machine Learning and Cybernetics, 2020, 11, 1319-1329.	2.3	20
1825	Community detection in networks using bio-inspired optimization: Latest developments, new results and perspectives with a selection of recent meta-heuristics. Applied Soft Computing Journal, 2020, 87, 106010.	4.1	48
1826	Integrative and Network-Specific Connectivity of the Basal Ganglia and Thalamus Defined in Individuals. Neuron, 2020, 105, 742-758.e6.	3.8	148
1827	Functional connectivity network between terrestrial and aquatic habitats by a generalist waterbird, and implications for biovectoring. Science of the Total Environment, 2020, 705, 135886.	3.9	29
1828	Network depth: identifying median and contours in complex networks. Journal of Complex Networks, 2020, 8, .	1.1	7
1829	Community detection algorithm based on nonnegative matrix factorization and pairwise constraints. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123491.	1.2	21
1830	A Multi-Objective Genetic Algorithm for detecting dynamic communities using a local search driven immigrant's scheme. Future Generation Computer Systems, 2020, 110, 960-975.	4.9	8
1831	Flow-Based Clustering on Directed Graphs: A Structural Entropy Minimization Approach. IEEE Access, 2020, 8, 152579-152591.	2.6	5
1832	Dynamical Clustering in Electronic Commerce Systems via Optimization and Leadership Expansion. IEEE Transactions on Industrial Informatics, 2020, 16, 5327-5334.	7.2	124
1833	Network structure reveals clusters of associations between childhood adversities and development outcomes. Developmental Science, 2020, 23, e12934.	1.3	48
1834	Spread of Carbapenem-Resistant Klebsiella pneumoniae in Hub and Spoke Connected Health-Care Networks: A Case Study from Italy. Microorganisms, 2020, 8, 37.	1.6	7
1835	Hierarchical clustering of bipartite data sets based on the statistical significance of coincidences. Physical Review E, 2020, 102, 042304.	0.8	0
1836	A Panoramic Sketch about the Robust Stability of Time-Delay Systems and Its Applications. Complexity, 2020, 2020, 1-26.	0.9	3
1837	Community detection using multitopology and attributes in social networks. Concurrency Computation Practice and Experience, 2020, , e6028.	1.4	0
1838	The network structure and eco-evolutionary dynamics of CRISPR-induced immune diversification. Nature Ecology and Evolution, 2020, 4, 1650-1660.	3.4	17
1839	Edge-centric functional network representations of human cerebral cortex reveal overlapping system-level architecture. Nature Neuroscience, 2020, 23, 1644-1654.	7.1	167
1840	Comorbidity Networks in Cardiovascular Diseases. Frontiers in Physiology, 2020, 11, 1009.	1.3	18
1841	Whole transcriptomic network analysis using Co-expression Differential Network Analysis (CoDiNA). PLoS ONE, 2020, 15, e0240523.	1.1	13

#	Article	IF	CITATIONS
1842	A new attributed graph clustering by using label propagation in complex networks. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 1869-1883.	2.7	28
1843	Risk Factors Discovery for Cancer Survivability Analysis Using Graph-Rule Mining. Mathematical Problems in Engineering, 2020, 2020, 1-12.	0.6	3
1844	A university map of course knowledge. PLoS ONE, 2020, 15, e0233207.	1.1	16
1845	The dynamics of negative stereotypes as revealed by tweeting behavior in the aftermath of the Charlie Hebdo terrorist attack. Heliyon, 2020, 6, e04311.	1.4	6
1846	Altered Intramodular Functional Connectivity in Drug Na \tilde{A} ve Obsessive-Compulsive Disorder Patients. , 2020, 2020, 1734-1737.		2
1847	Functional Organization for Response Inhibition in the Right Inferior Frontal Cortex of Individual Human Brains. Cerebral Cortex, 2020, 30, 6325-6335.	1.6	28
1848	TermBall: Tracking and Predicting Evolution Types of Research Topics by Using Knowledge Structures in Scholarly Big Data. IEEE Access, 2020, 8, 108514-108529.	2.6	13
1849	Community Detection Based on Individual Topics and Network Topology in Social Networks. IEEE Access, 2020, 8, 124414-124423.	2.6	8
1850	Meta-Analysis of the Alzheimer's Disease Human Brain Transcriptome and Functional Dissection in Mouse Models. Cell Reports, 2020, 32, 107908.	2.9	199
1851	CoHomo: A cluster-attribute correlation aware graph clustering framework. Neurocomputing, 2020, 412, 327-338.	3. 5	2
1852	A joint optimization framework for better community detection based on link prediction in social networks. Knowledge and Information Systems, 2020, 62, 4277-4296.	2.1	3
1853	Statistical physics of complex information dynamics. Physical Review E, 2020, 102, 052304.	0.8	28
1854	Mapping flows on bipartite networks. Physical Review E, 2020, 102, 052305.	0.8	5
1855	Leaf shape in Populus tremula is a complex, omnigenic trait. Ecology and Evolution, 2020, 10, 11922-11940.	0.8	19
1856	Improving data handling and analysis in the study of rhyme patterns. Cahiers De Linguistique Asie Orientale, 2020, 49, 43-57.	0.2	1
1857	Communityâ€based data integration of course and job data in support of personalized careerâ€education recommendations. Proceedings of the Association for Information Science and Technology, 2020, 57, e324.	0.3	6
1858	A multidimensional precision medicine approach identifies an autism subtype characterized by dyslipidemia. Nature Medicine, 2020, 26, 1375-1379.	15.2	49
1859	The rhythm of the crowd: Properties of evolutionary community detection algorithms for mobile edge selection. Pervasive and Mobile Computing, 2020, 67, 101231.	2.1	3

#	Article	IF	CITATIONS
1860	Overlapping community detection based on the union of all maximum spanning trees. Library Hi Tech, 2020, 38, 276-292.	3.7	7
1861	Maximal strongly connected cliques in directed graphs: Algorithms and bounds. Discrete Applied Mathematics, 2020, , .	0.5	0
1862	Allosteric Regulation at the Crossroads of New Technologies: Multiscale Modeling, Networks, and Machine Learning. Frontiers in Molecular Biosciences, 2020, 7, 136.	1.6	44
1863	Community detection based on the Matthew effect. Knowledge-Based Systems, 2020, 205, 106256.	4.0	22
1864	Path-dependent connectivity, not modularity, consistently predicts controllability of structural brain networks. Network Neuroscience, 2020, 4, 1091-1121.	1.4	10
1865	Community detection method using improved density peak clustering and nonnegative matrix factorization. Neurocomputing, 2020, 415, 247-257.	3. 5	18
1866	Random walks on a tree with applications. Physical Review E, 2020, 102, 022305.	0.8	7
1867	Estimation of global and local complexities of brain networks: A random walks approach. Network Neuroscience, 2020, 4, 575-594.	1.4	6
1868	Contributions of modern network science to the cognitive sciences: revisiting research spirals of representation and process. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190825.	1.0	42
1869	Network representations of diversity in scientific teams. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, .	1.0	1
1870	RWRNET: A Gene Regulatory Network Inference Algorithm Using Random Walk With Restart. Frontiers in Genetics, 2020, 11, 591461.	1.1	6
1871	Multilayer Modularity Belief Propagation to Assess Detectability of Community Structure. SIAM Journal on Mathematics of Data Science, 2020, 2, 872-900.	1.0	2
1872	Effects of core-periphery structure on explosive synchronization. International Journal of Modern Physics B, 2020, 34, 2050290.	1.0	1
1873	Bibliometric and Visualized Analysis of China's Smart Grid Research 2008–2018. Frontiers in Research Metrics and Analytics, 2020, 5, 551147.	0.9	12
1874	The spatial organization of the chronnectome associates with cortical hierarchy and transcriptional profiles in the human brain. NeuroImage, 2020, 222, 117296.	2.1	29
1875	Assembly of whole-chromosome pseudomolecules for polyploid plant genomes using outbred mapping populations. Nature Genetics, 2020, 52, 1256-1264.	9.4	13
1876	Random walk with memory on complex networks. Physical Review E, 2020, 102, 042315.	0.8	4
1877	OscoNet: inferring oscillatory gene networks. BMC Bioinformatics, 2020, 21, 351.	1.2	3

#	ARTICLE	IF	CITATIONS
1878	Higher-order patterns of aquatic species spread through the global shipping network. PLoS ONE, 2020, 15, e0220353.	1.1	27
1879	Recent trends on community detection algorithms: A survey. Modern Physics Letters B, 2020, 34, 2050408.	1.0	7
1880	Cell Types of the Human Retina and Its Organoids at Single-Cell Resolution. Cell, 2020, 182, 1623-1640.e34.	13.5	359
1881	MGAT: Multi-view Graph Attention Networks. Neural Networks, 2020, 132, 180-189.	3.3	61
1882	A Temporal User Attribute-Based Algorithm to Detect Communities in Online Social Networks. IEEE Access, 2020, 8, 154363-154381.	2.6	3
1883	Identifying and exploiting homogeneous communities in labeled networks. Applied Network Science, 2020, 5, .	0.8	26
1884	A test of Generalized Bayesian dating: A new linguistic dating method. PLoS ONE, 2020, 15, e0236522.	1.1	5
1885	Graphic Simplification and Intelligent Adjustment Methods of Road Networks for Navigation with Reduced Precision. ISPRS International Journal of Geo-Information, 2020, 9, 490.	1.4	4
1886	phyloregion: R package for biogeographical regionalization and macroecology. Methods in Ecology and Evolution, 2020, 11, 1483-1491.	2.2	70
1887	Dynamics of fintech terms in news and blogs and specialization of companies of the fintech industry. Chaos, 2020, 30, 083112.	1.0	2
1888	A Guide for Choosing Community Detection Algorithms in Social Network Studies: The Question Alignment Approach. American Journal of Preventive Medicine, 2020, 59, 597-605.	1.6	32
1889	Comparative analysis of sequential community detection algorithms based on internal and external quality measure. Journal of Statistics and Management Systems, 2020, 23, 1129-1146.	0.3	4
1890	Complex societies and the growth of the law. Scientific Reports, 2020, 10, 18737.	1.6	27
1891	Simplification of networks by conserving path diversity and minimisation of the search information. Scientific Reports, 2020, 10, 19150.	1.6	3
1892	A Survey on Computational Politics. IEEE Access, 2020, 8, 197379-197406.	2.6	12
1893	Identifying the most influential communities on the dissemination of information on social networks. , 2020, , .		0
1894	Rapid Precision Functional Mapping of Individuals Using Multi-Echo fMRI. Cell Reports, 2020, 33, 108540.	2.9	96
1895	Estructura de comunidades en las redes semánticas de la investigación biomédica sobre disparidades en salud y sexismo. Biomedica, 2020, 40, 702-721.	0.3	1

#	Article	IF	CITATIONS
1896	Novel Node Centrality-Based Efficient Empirical Robustness Assessment for Directed Network. Complexity, 2020, 2020, 1-14.	0.9	1
1897	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
1898	Forensic Analysis of Network Attacks: Restructuring Security Events as Graphs and Identifying Strongly Connected Sub-graphs. , 2020, , .		1
1899	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	O
1900	Multilayer network analysis of the drugs development cycle in the global pharmaceutical industry. Applied Network Science, 2020, 5, .	0.8	1
1901	Epidemic spreading and control strategies in spatial modular network. Applied Network Science, 2020, 5, 95.	0.8	13
1902	Impact of Climate Change on Surface Stirring and Transport in the Mediterranean Sea. Geophysical Research Letters, 2020, 47, e2020GL089941.	1.5	9
1903	Research on Clustering Application Based on Stock Association Network. Journal of Physics: Conference Series, 2020, 1575, 012038.	0.3	0
1904	Modeling and Simulation Analysis of Journal Impact Factor Dynamics Based on Submission and Citation Rules. Complexity, 2020, 2020, 1-17.	0.9	4
1905	Towards quantum computing based community detection. Computer Science Review, 2020, 38, 100313.	10.2	9
1905 1906	Towards quantum computing based community detection. Computer Science Review, 2020, 38, 100313. Gene Expression and Co-expression Networks Are Strongly Altered Through Stages in Clear Cell Renal Carcinoma. Frontiers in Genetics, 2020, 11, 578679.	10.2	9
	Gene Expression and Co-expression Networks Are Strongly Altered Through Stages in Clear Cell Renal		
1906	Gene Expression and Co-expression Networks Are Strongly Altered Through Stages in Clear Cell Renal Carcinoma. Frontiers in Genetics, 2020, 11, 578679. Known by Who We Follow: A Biclustering Application to Community Detection. IEEE Access, 2020, 8,	1.1	19
1906 1907	Gene Expression and Co-expression Networks Are Strongly Altered Through Stages in Clear Cell Renal Carcinoma. Frontiers in Genetics, 2020, 11, 578679. Known by Who We Follow: A Biclustering Application to Community Detection. IEEE Access, 2020, 8, 192218-192228. The growth and form of knowledge networks by kinesthetic curiosity. Current Opinion in Behavioral	1.1 2.6	19
1906 1907 1908	Gene Expression and Co-expression Networks Are Strongly Altered Through Stages in Clear Cell Renal Carcinoma. Frontiers in Genetics, 2020, 11, 578679. Known by Who We Follow: A Biclustering Application to Community Detection. IEEE Access, 2020, 8, 192218-192228. The growth and form of knowledge networks by kinesthetic curiosity. Current Opinion in Behavioral Sciences, 2020, 35, 125-134. Atmospheric Basins: Identification of Quasiâ€Independent Spatial Patterns in the Global Atmospheric Hydrological Cycle Via a Complex Network Approach. Journal of Geophysical Research D: Atmospheres,	1.1 2.6 2.0	19 1 7
1906 1907 1908	Gene Expression and Co-expression Networks Are Strongly Altered Through Stages in Clear Cell Renal Carcinoma. Frontiers in Genetics, 2020, 11, 578679. Known by Who We Follow: A Biclustering Application to Community Detection. IEEE Access, 2020, 8, 192218-192228. The growth and form of knowledge networks by kinesthetic curiosity. Current Opinion in Behavioral Sciences, 2020, 35, 125-134. Atmospheric Basins: Identification of Quasiâ€Independent Spatial Patterns in the Global Atmospheric Hydrological Cycle Via a Complex Network Approach. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032796. Characterization of digestate microbial community structure following thermophilic anaerobic digestion with varying levels of green and food wastes. Journal of Industrial Microbiology and	1.1 2.6 2.0	19 1 7 2
1906 1907 1908 1909	Gene Expression and Co-expression Networks Are Strongly Altered Through Stages in Clear Cell Renal Carcinoma. Frontiers in Genetics, 2020, 11, 578679. Known by Who We Follow: A Biclustering Application to Community Detection. IEEE Access, 2020, 8, 192218-192228. The growth and form of knowledge networks by kinesthetic curiosity. Current Opinion in Behavioral Sciences, 2020, 35, 125-134. Atmospheric Basins: Identification of Quasiâ€Independent Spatial Patterns in the Global Atmospheric Hydrological Cycle Via a Complex Network Approach. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032796. Characterization of digestate microbial community structure following thermophilic anaerobic digestion with varying levels of green and food wastes. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 1031-1044.	1.1 2.6 2.0 1.2	19 1 7 2 18

#	Article	IF	CITATIONS
1915	Revealing Spatio-Temporal Patterns and Influencing Factors of Dockless Bike Sharing Demand. IEEE Access, 2020, 8, 66139-66149.	2.6	26
1916	A novel iterated greedy algorithm for detecting communities in complex network. Social Network Analysis and Mining, 2020, $10,1.$	1.9	6
1917	Deep learning enables accurate clustering with batch effect removal in single-cell RNA-seq analysis. Nature Communications, 2020, 11, 2338.	5.8	180
1918	Node-community membership diversifies community structures: An overlapping community detection algorithm based on local expansion and boundary re-checking. Knowledge-Based Systems, 2020, 198, 105935.	4.0	17
1919	Structural changes in bacterial and fungal soil microbiome components during biosolarization as related to volatile fatty acid accumulation. Applied Soil Ecology, 2020, 153, 103602.	2.1	10
1920	The four dimensions of social network analysis: An overview of research methods, applications, and software tools. Information Fusion, 2020, 63, 88-120.	11.7	143
1921	A natural catastrophic turnover event: individual sociality matters despite community resilience in wild house mice. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192880.	1.2	19
1922	Urban Network and Regions in China: An Analysis of Daily Migration with Complex Networks Model. Sustainability, 2020, 12, 3208.	1.6	17
1923	Influence of human-water interactions on the water resources and environment in the Yangtze River Basin from the perspective of multiplex networks. Journal of Cleaner Production, 2020, 265, 121783.	4.6	13
1924	Iterative consensus spectral clustering improves detection of subject and group level brain functional modules. Scientific Reports, 2020, 10, 7590.	1.6	17
1925	An improved network structural balance approach based on weighted node-to-node influence with evolutionary algorithm. Applied Soft Computing Journal, 2020, 94, 106323.	4.1	4
1926	Community detection in complex networks using multi-objective bat algorithm. International Journal of Mathematical Modelling and Numerical Optimisation, 2020, 10, 123.	0.1	1
1927	Phylogenomic analysis of the APETALA2 transcription factor subfamily across angiosperms reveals both deep conservation and lineageâ€specific patterns. Plant Journal, 2020, 103, 1516-1524.	2.8	22
1928	Mouse Retinal Cell Atlas: Molecular Identification of over Sixty Amacrine Cell Types. Journal of Neuroscience, 2020, 40, 5177-5195.	1.7	190
1929	Finding Best Matching Community for Common Nodes in Mobile Social Networks. Wireless Personal Communications, 2020, 114, 2889-2908.	1.8	1
1930	An Overview of Community Detection Algorithms in Social Networks. , 2020, , .		7
1931	Human information processing in complex networks. Nature Physics, 2020, 16, 965-973.	6.5	41
1932	Intermediacy of publications. Royal Society Open Science, 2020, 7, 190207.	1.1	9

#	Article	IF	CITATIONS
1933	Link community detection based on ensemble learning. Modern Physics Letters B, 2020, 34, 2050293.	1.0	1
1934	Quantifying the Effect of Community Structures for Link Prediction by Constructing Null Models. IEEE Access, 2020, 8, 89269-89280.	2.6	2
1935	Plasticity and Spontaneous Activity Pulses in Disused Human Brain Circuits. Neuron, 2020, 107, 580-589.e6.	3.8	114
1936	Constructing and evaluating automated literature review systems. Scientometrics, 2020, 125, 3233-3251.	1.6	7
1937	Graph analysis. , 2020, , 25-51.		0
1938	A Comparative Evaluation of Community Detection Algorithms in Social Networks. Procedia Computer Science, 2020, 171, 1157-1165.	1.2	10
1939	CYCLIN-B1/2 and -D1 act in opposition to coordinate cortical progenitor self-renewal and lineage commitment. Nature Communications, 2020, 11, 2898.	5.8	31
1940	Geographical Structural Features of the WeChat Social Networks. ISPRS International Journal of Geo-Information, 2020, 9, 290.	1.4	1
1941	Hierarchical Structures in Livestock Trade Networksâ€"A Stochastic Block Model of the German Cattle Trade Network. Frontiers in Veterinary Science, 2020, 7, 281.	0.9	5
1942	Fostering place-based coalitions between social movements and science for sustainable urban environments: A case of embedded agency. Environment and Planning C: Politics and Space, 2020, 38, 1386-1411.	1.1	2
1943	A New Highly Power-Efficient Inverse Class-D PA for NB-IoT Applications. , 2020, , .		6
1944	Planning Jerk-Optimized Trajectory With Discrete Time Constraints for Redundant Robots. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1711-1724.	3.4	33
1945	Identifying the spatial distribution of public transportation trips by node and community characteristics. Transportation Planning and Technology, 2020, 43, 325-340.	0.9	8
1946	Computational Approaches to Detect Illicit Drug Ads and Find Vendor Communities Within Social Media Platforms. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 180-191.	1.9	8
1947	MOEA-based community detection. , 2020, , 197-232.		0
1948	Information Technology for Management: Current Research and Future Directions. Lecture Notes in Business Information Processing, 2020, , .	0.8	5
1949	Modularity measures: Concepts, computation, and applications to manufacturing systems. AICHE Journal, 2020, 66, e16965.	1.8	17
1950	Clustering-based force-directed algorithms for 3D graph visualization. Journal of Supercomputing, 2020, 76, 9654-9715.	2.4	7

#	Article	IF	CITATIONS
1952	A Stackelberg Game Approach for Sponsored Content Management in Mobile Data Market With Network Effects. IEEE Internet of Things Journal, 2020, 7, 5184-5201.	5.5	24
1953	Heterogeneity of executive function revealed by a functional random forest approach across ADHD and ASD. Neurolmage: Clinical, 2020, 26, 102245.	1.4	26
1954	Specific functions for Mediator complex subunits from different modules in the transcriptional response of Arabidopsis thaliana to abiotic stress. Scientific Reports, 2020, 10, 5073.	1.6	24
1955	Significance-based multi-scale method for network community detection and its application in disease-gene prediction. PLoS ONE, 2020, 15, e0227244.	1.1	5
1956	IncNSA: Detecting communities incrementally from time-evolving networks based on node similarity. International Journal of Modern Physics C, 2020, 31, 2050094.	0.8	4
1957	Multiâ€scale network regression for brainâ€phenotype associations. Human Brain Mapping, 2020, 41, 2553-2566.	1.9	24
1959	Incorporating User's Preference into Attributed Graph Clustering. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3716-3728.	4.0	4
1960	Solving EM Scattering From Complex Thin Dielectric/PEC Composite Targets by a VSIE-Based Method. IEEE Transactions on Antennas and Propagation, 2020, 68, 3900-3910.	3.1	5
1961	Quasiperiodic dynamics and a Neimark-Sacker bifurcation in nonlinear random walks on complex networks. Physical Review E, 2020, 101, 012307.	0.8	4
1962	Characteristics of the global copper raw materials and scrap trade systems and the policy impacts of China's import ban. Ecological Economics, 2020, 172, 106626.	2.9	39
1963	An effective community detection method based on one-dimensional "attraction―in network science. International Journal of Modern Physics C, 2020, 31, 2050071.	0.8	1
1964	Density-based Approach with Dual Optimization for Tracking Community Structure of Increasing Social Networks. International Journal on Artificial Intelligence Tools, 2020, 29, 2050002.	0.7	2
1965	The size distribution of â€~cities' delineated with a network theoryâ€based method and mobile phone GPS data. International Journal of Economic Theory, 2020, 16, 38-50.	0.4	4
1966	Algorithmic Complexity of Multiplex Networks. Physical Review X, 2020, 10, .	2.8	10
1967	Community Detection Boosts Network Dismantling on Real-World Networks. IEEE Access, 2020, 8, 111954-111965.	2.6	9
1968	Revealing dynamic communities in networks using genetic algorithm with merge and split operators. Physica A: Statistical Mechanics and Its Applications, 2020, 558, 124897.	1.2	4
1969	Mapping flows on sparse networks with missing links. Physical Review E, 2020, 102, 012302.	0.8	11
1970	LSMD: A fast and robust local community detection starting from low degree nodes in social networks. Future Generation Computer Systems, 2020, 113, 41-57.	4.9	31

#	Article	IF	CITATIONS
1971	An Improved Spectral Clustering Community Detection Algorithm Based on Probability Matrix. Discrete Dynamics in Nature and Society, 2020, 2020, 1-6.	0.5	4
1972	A New Follow based Community Detection Algorithm. , 2020, , .		3
1973	STCCD: Semantic trajectory clustering based on community detection in networks. Expert Systems With Applications, 2020, 162, 113689.	4.4	19
1974	Bayesian nonparametric clustering as a community detection problem. Computational Statistics and Data Analysis, 2020, 152, 107044.	0.7	2
1975	Lateralized Connectivity between Globus Pallidus and Motor Cortex is Associated with Freezing of Gait in Parkinson's Disease. Neuroscience, 2020, 443, 44-58.	1.1	14
1976	Default-mode network streams for coupling to language and control systems. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17308-17319.	3.3	113
1977	Methods and Challenges for Assessing Heterogeneity. Biological Psychiatry, 2020, 88, 9-17.	0.7	34
1978	A vertex-similarity clustering algorithm for community detection. Journal of Information and Telecommunication, 2020, 4, 36-50.	2.2	2
1979	Self-falsifiable hierarchical detection of overlapping communities on social networks. New Journal of Physics, 2020, 22, 033014.	1.2	5
1980	PhantomFS: File-Based Deception Technology for Thwarting Malicious Users. IEEE Access, 2020, 8, 32203-32214.	2.6	9
1981	Multiobjective Complex Network Clustering Based on Dynamical Decomposition Particle Swarm Optimization. IEEE Access, 2020, 8, 32341-32352.	2.6	1
1982	Random walks on hypergraphs. Physical Review E, 2020, 101, 022308.	0.8	99
1983	Modeling and Understanding Ethereum Transaction Records via a Complex Network Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2737-2741.	2.2	70
1984	Visualizing Dynamics of Urban Regions Through a Geoâ€Semantic Graphâ€Based Method. Computer Graphics Forum, 2020, 39, 405-419.	1.8	4
1985	Community Detection Based on a Preferential Decision Model. Information (Switzerland), 2020, 11, 53.	1.7	0
1986	Scale-resolved analysis of brain functional connectivity networks with spectral entropy. NeuroImage, 2020, 211, 116603.	2.1	23
1987	Modelling and Control of Modular DC-Nanogrids Based on Loss-Free Resistors. IEEE Access, 2020, 8, 33305-33317.	2.6	9
1988	Visual analysis for evaluation of community detection algorithms. Multimedia Tools and Applications, 2020, 79, 17645-17667.	2.6	19

#	Article	IF	CITATIONS
1989	Assessing police topological efficiency in a major sting operation on the dark web. Scientific Reports, 2020, 10, 73.	1.6	25
1990	Community detection in networks without observing edges. Science Advances, 2020, 6, eaav1478.	4.7	35
1991	Temporal Network Pattern Identification by Community Modelling. Scientific Reports, 2020, 10, 240.	1.6	6
1992	Examining the variability in network populations and its role in generative models. Network Science, 2020, 8, S43-S64.	0.8	1
1993	Evolution of communities in dynamic social networks: An efficient map-based approach. Expert Systems With Applications, 2020, 147, 113221.	4.4	16
1994	Community Detection Algorithm Based on Nonnegative Matrix Factorization and Improved Density Peak Clustering. IEEE Access, 2020, 8, 5749-5759.	2.6	6
1995	Detecting community structure in complex networks using genetic algorithm based on object migrating automata. Computational Intelligence, 2020, 36, 824-860.	2.1	12
1996	Scientific elite revisited: patterns of productivity, collaboration, authorship and impact. Journal of the Royal Society Interface, 2020, 17, 20200135.	1.5	43
1997	Constructing and Cleaning Identity Graphs in the LOD Cloud. Data Intelligence, 2020, 2, 323-352.	0.8	3
1998	Social Sensing of the Imbalance of Urban and Regional Development in China Through the Population Migration Network around Spring Festival. Sustainability, 2020, 12, 3457.	1.6	7
1999	Constructing Real-Life Benchmarks for Community Detection by Rewiring Edges. Complexity, 2020, 2020, 1-16.	0.9	3
2000	Identifying Communities in Dynamic Networks Using Information Dynamics. Entropy, 2020, 22, 425.	1.1	9
2001	An Analysis of the Dynamic Community Detection Algorithms in Complex Networks. , 2020, , .		6
2003	Online reactions to the 2017 †Unite the right' rally in Charlottesville: measuring polarization in Twitter networks using media followership. Applied Network Science, 2020, 5, .	0.8	14
2004	Stacked autoencoder-based community detection method via an ensemble clustering framework. Information Sciences, 2020, 526, 151-165.	4.0	28
2005	Estimating degree–degree correlation and network cores from the connectivity of high–degree nodes in complex networks. Scientific Reports, 2020, 10, 5668.	1.6	14
2006	Community Detection of Chinese Airport Delay Correlation Network. , 2020, , .		2
2007	Resource Allocation for Secure Multi-UAV Communication Systems With Multi-Eavesdropper. IEEE Transactions on Communications, 2020, 68, 4490-4506.	4.9	45

#	Article	IF	CITATIONS
2008	Field Prediction and Validation of a Slotless Segmented-Halbach Permanent Magnet Synchronous Machine for More Electric Aircraft. IEEE Transactions on Transportation Electrification, 2020, 6, 1577-1591.	5.3	51
2009	The geographic evolution of optics technologies in the United States, 1976–2010. Papers in Regional Science, 2020, 99, 1539-1560.	1.0	4
2010	Pan-cancer analysis identifies mutations in <i>SUGP1</i> that recapitulate mutant SF3B1 splicing dysregulation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10305-10312.	3.3	30
2011	Pan-Cancer Analysis of Mitochondria Chaperone-Client Co-Expression Reveals Chaperone Functional Partitioning. Cancers, 2020, 12, 825.	1.7	9
2012	Re-evaluating polycentric urban structure: A functional linkage perspective. Cities, 2020, 101, 102672.	2.7	40
2013	Characterizing network topology using first-passage analysis. Physical Review E, 2020, 101, 042123.	0.8	0
2014	A novel metric for community detection. Europhysics Letters, 2020, 129, 68002.	0.7	10
2015	Distributed Relationship Mining over Big Scholar Data. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 354-365.	3.2	2
2016	Classification and Comparative Evaluation of Community Detection Algorithms. Archives of Computational Methods in Engineering, 2021, 28, 1417-1428.	6.0	11
2017	PoPPL: Pedestrian Trajectory Prediction by LSTM With Automatic Route Class Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 77-90.	7.2	38
2018	Community detection in complex networks using network embedding and gravitational search algorithm. Journal of Intelligent Information Systems, 2021, 57, 51-72.	2.8	32
2019	Deep learning-based community detection in complex networks with network partitioning and reduction of trainable parameters. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 2527-2545.	3.3	19
2020	An examination of maternal prenatal BMI and human fetal brain development. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 458-469.	3.1	23
2021	An unsupervised detection method for shilling attacks based on deep learning and community detection. Soft Computing, 2021, 25, 477-494.	2.1	13
2022	Exploiting homophily to characterize communities in online social networks. Concurrency Computation Practice and Experience, 2021, 33, e5929.	1.4	1
2023	A crowdsourcing approach to construct mono-lingual plagiarism detection corpus. International Journal on Digital Libraries, 2021, 22, 49-61.	1.1	2
2024	Detecting brain network communities: Considering the role of information flow and its different temporal scales. NeuroImage, 2021, 225, 117431.	2.1	11
2025	Genome-wide CRISPR Screens Reveal Host Factors Critical for SARS-CoV-2 Infection. Cell, 2021, 184, 76-91.e13.	13.5	418

#	ARTICLE	IF	CITATIONS
2026	Simultaneous Dimensionality and Complexity Model Selection for Spectral Graph Clustering. Journal of Computational and Graphical Statistics, 2021, 30, 422-441.	0.9	14
2027	A targeted phylogenetic approach helps explain New World functional diversity patterns of two eudicot lineages. Journal of Biogeography, 2021, 48, 202-215.	1.4	1
2028	A survey of community detection methods in multilayer networks. Data Mining and Knowledge Discovery, 2021, 35, 1-45.	2.4	78
2029	An improved limited random walk approach for identification of overlapping communities in complex networks. Applied Intelligence, 2021, 51, 3561-3580.	3.3	10
2030	Collaborative community-specific microblog sentiment analysis via multi-task learning. Expert Systems With Applications, 2021, 169, 114322.	4.4	9
2031	Biology and architecture: An ongoing hybridization of scientific knowledge and design practice by six architectural offices in France. Frontiers of Architectural Research, 2021, 10, 240-262.	1.3	15
2032	Biomolecular Clusters Identification in Linear Time Complexity for Biological Networks. Advances in Intelligent Systems and Computing, 2021, , 611-622.	0.5	1
2033	Absence of a resolution limit in in-block nestedness. Communications in Nonlinear Science and Numerical Simulation, 2021, 94, 105545.	1.7	0
2034	Estimation and improvement of transportation network robustness by exploiting communities. Reliability Engineering and System Safety, 2021, 206, 107307.	5.1	49
2035	Identifying macroscopic features in foreign visitor travel pathways. Japanese Economic Review, 2021, 72, 129-144.	0.8	0
2036	The Integrin Interactome. Methods in Molecular Biology, 2021, , .	0.4	0
2037	Ocean Surface Connectivity in the Arctic: Capabilities and Caveats of Community Detection in Lagrangian Flow Networks. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016416.	1.0	4
2038	Departing from an ideal: An asymmetric, bimodal and nonâ€Equatorial latitudinal gradient of marine diversity in Western Atlantic burrowing shrimps (Decapoda: Axiidea and Gebiidea). Journal of Biogeography, 2021, 48, 650-661.	1.4	3
2039	A label propagation algorithm for community detection on highâ€mixed networks. Concurrency Computation Practice and Experience, 2021, 33, e6141.	1.4	0
2040	Community Detection in Complex Networks Using Link Strength-Based Hybrid Genetic Algorithm. SN Computer Science, 2021, 2, 1.	2.3	8
2041	A three-stage algorithm for local community detection based on the high node importance ranking in social networks. Physica A: Statistical Mechanics and Its Applications, 2021, 563, 125420.	1.2	31
2042	User segmentation via interpretable user representation and relative similarity-based segmentation method. Multimedia Systems, 2021, 27, 61-72.	3.0	2
2043	Scalable Community Detection for Complex Data Graphs via Hyperbolic Network Embedding and Graph Databases. IEEE Transactions on Network Science and Engineering, 2021, 8, 1269-1282.	4.1	2

#	Article	IF	CITATIONS
2044	A local-to-global scheme-based multi-objective evolutionary algorithm for overlapping community detection on large-scale complex networks. Neural Computing and Applications, 2021, 33, 5135-5149.	3.2	13
2045	Community detection and co-author recommendation in co-author networks. International Journal of Machine Learning and Cybernetics, 2021, 12, 597-609.	2.3	5
2047	SSDBA: the stretch shrink distance based algorithm for link prediction in social networks. Frontiers of Computer Science, 2021, 15, 1.	1.6	4
2048	The interconnectedness of the economic content in the speeches of the US Presidents. Annals of Operations Research, 2021, 299, 593-615.	2.6	2
2049	Overlapping community detection in social networks with Voronoi and tolerance neighborhood-based method. Granular Computing, 2021, 6, 95-106.	4.4	1
2050	Detection of Community Structures in Networks With Nodal Features based on Generative Probabilistic Approach. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2863-2874.	4.0	11
2051	An unsupervised framework for comparing graph embeddings. Journal of Complex Networks, 2021, 8, .	1.1	8
2052	Regionalization for infection control: An algorithm for delineating containment zones considering the regularity of human mobility. Applied Geography, 2021, 126, 102375.	1.7	4
2053	Walking Through Twitter: Sampling a Language-Based Follow Network of Influential Twitter Accounts. Social Media and Society, 2021, 7, 205630512098447.	1.5	6
2054	A spiderweb model for community detection in dynamic networks. Applied Intelligence, 2021, 51, 5157-5188.	3.3	6
2055	Measuring Law Over Time: A Network Analytical Framework with an Application to Statutes and Regulations in the United States and Germany. SSRN Electronic Journal, 0, , .	0.4	0
2057	Deep Attributed Network Embedding with Community Information. Lecture Notes in Computer Science, 2021, , 653-665.	1.0	1
2058	Multilayer Network Approach to Dynamics of Japanese Interfirm Transaction Relations., 2021,, 63-92.		0
2059	Regional and Sectoral Change of Global Value-Added Network Around the 2009 Economic Crisis. , 2021, , 217-247.		1
2060	Physiological Network From Anthropometric and Blood Test Biomarkers. Frontiers in Physiology, 2020, 11, 612598.	1.3	9
2061	Transcriptomic time-series analysis of cold- and heat-shock response in psychrotrophic lactic acid bacteria. BMC Genomics, 2021, 22, 28.	1.2	16
2062	Visualizing Uncertainty in Probabilistic Graphs with Network Hypothetical Outcome Plots (NetHOPs). IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 443-453.	2.9	5
2063	The Evolution of Evolutionary Medicine. SSRN Electronic Journal, 0, , .	0.4	1

#	Article	IF	CITATIONS
2064	Community Detection in Dynamic Networks: Equivalence Between Stochastic Blockmodels and Evolutionary Spectral Clustering. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 130-143.	1.6	6
2065	Supplier-Customer Network of Kyoto's Traditional Craft Industry. , 2021, , 93-117.		0
2066	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. IEEE Access, 2021, 9, 96501-96527.	2.6	16
2067	Community Detection by a Riemannian Projected Proximal Gradient Method. IFAC-PapersOnLine, 2021, 54, 544-551.	0.5	0
2068	Advanced Community Identification Model for Social Networks. Computers, Materials and Continua, 2021, 69, 1687-1707.	1.5	5
2069	A morphospace of functional configuration to assess configural breadth based on brain functional networks. Network Neuroscience, 2021, 5, 666-688.	1.4	5
2070	Disrupted functional connectivity of precuneus subregions in obsessive-compulsive disorder. Neurolmage: Clinical, 2021, 31, 102720.	1.4	7
2071	Coalitions and conflict: A longitudinal analysis of men's politics. Evolutionary Human Sciences, 2021, 3, .	0.9	19
2072	The UVSSA complex alleviates MYC-driven transcription stress. Journal of Cell Biology, 2021, 220, .	2.3	6
2073	Criminal Network Community Detection in Social Media Forensics. Communications in Computer and Information Science, 2021, , 371-383.	0.4	4
2075	RobustECD: Enhancement of Network Structure for Robust Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	2
2076	A Review of Spatial Network Insights and Methods in the Context of Planning: Applications, Challenges, and Opportunities. Urban Book Series, 2021, , 71-91.	0.3	4
2077	A Novel Approach of Community Detection Using Association Rules Learning: Application to User's Friendships of Online Social Networks. Lecture Notes in Networks and Systems, 2021, , 29-43.	0.5	3
2078	Community-Based Propagation ofÂlmportant Nodes in the Blockchain Network. Communications in Computer and Information Science, 2021, , 678-686.	0.4	0
2079	Clustering Hypergraphs via the MapEquation. IEEE Access, 2021, 9, 72377-72386.	2.6	0
2080	A novel metaâ€heuristic approach for influence maximization in social networks. Expert Systems, 2023, 40, e12676.	2.9	5
2081	Identifying flow modules in ecological networks using Infomap. Methods in Ecology and Evolution, 2021, 12, 778-786.	2.2	21
2082	Multiscale Evolutionary Perturbation Attack on Community Detection. IEEE Transactions on Computational Social Systems, 2021, 8, 62-75.	3.2	16

#	Article	IF	CITATIONS
2083	Evaluating the Effectiveness of Community Detection Algorithms for Influence Maximization in Social Networks. , 2021 , , .		1
2084	A multi-scale brain map derived from whole-brain volumetric reconstructions. Nature, 2021, 591, 105-110.	13.7	58
2085	A Spatial Scan Statistic to Detect Spatial Communities of Vehicle Movements on Urban Road Networks. Geographical Analysis, 2022, 54, 124-148.	1.9	5
2086	Tracing the development of mapping knowledge domains. Scientometrics, 2021, 126, 6201-6224.	1.6	26
2087	Effects of link perturbation on network modularity for community detections in complex network systems. Modern Physics Letters B, 2021, 35, 2150214.	1.0	0
2089	Community detection in networks using graph embeddings. Physical Review E, 2021, 103, 022316.	0.8	24
2090	Power-law graphs with small diameter: Framework, structural properties, and average trapping time. Physical Review E, 2021, 103, 022318.	0.8	6
2091	Random walks on the generalized Vicsek fractal. Europhysics Letters, 2021, 133, 40004.	0.7	6
2092	Single-cell RNA sequencing of developing maize ears facilitates functional analysis and trait candidate gene discovery. Developmental Cell, 2021, 56, 557-568.e6.	3.1	129
2093	Community detection based on first passage probabilities. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 390, 127099.	0.9	6
2094	The form and evolution of international migration networks, 1990–2015. Population, Space and Place, 2021, 27, e2432.	1.2	6
2096	Proximity-based group formation game model for community detection in social network. Knowledge-Based Systems, 2021, 214, 106670.	4.0	12
2097	Regularities in species' niches reveal the world's climate regions. ELife, 2021, 10, .	2.8	9
2099	A Review on Community Detection algorithms and Evaluation Measures in Social Networks. , 2021, , .		1
2100	A multiscale view of the Phanerozoic fossil record reveals the three major biotic transitions. Communications Biology, 2021, 4, 309.	2.0	30
2101	Revisiting animal photoâ€identification using deep metric learning and network analysis. Methods in Ecology and Evolution, 2021, 12, 863-873.	2.2	14
2102	Social collaborative filtering using local dynamic overlapping community detection. Journal of Supercomputing, 2021, 77, 11786-11806.	2.4	5
2103	Persona2vec: a flexible multi-role representations learning framework for graphs. PeerJ Computer Science, 2021, 7, e439.	2.7	3

#	Article	IF	Citations
2104	Aligning EHR Data for Pediatric Leukemia With Standard Protocol Therapy. JCO Clinical Cancer Informatics, 2021, 5, 239-251.	1.0	3
2105	Biogeography of Neotropical mastiff bats: A case of multiple dispersals between the Caribbean and mainland. Journal of Biogeography, 2021, 48, 1353-1365.	1.4	1
2106	Spatiotemporal patterns of synchronous heavy rainfall events in East Asia during the Baiu season. Earth System Dynamics, 2021, 12, 295-312.	2.7	12
2107	A landscape for drug-target interactions based on network analysis. PLoS ONE, 2021, 16, e0247018.	1.1	9
2108	Modelling community structure and temporal spreading on complex networks. Computational Social Networks, 2021, 8, .	2.1	7
2109	Tailored Network Splitting for Community Evolution Prediction in Dynamic Social Networks. New Generation Computing, 2021, 39, 303-340.	2.5	3
2110	Challenges to the validity of topic reconstruction. Scientometrics, 2021, 126, 4511-4536.	1.6	8
2111	Individual Uniqueness in the Neonatal Functional Connectome. Cerebral Cortex, 2021, 31, 3701-3712.	1.6	13
2113	Exploring a new way to think about climate regions. ELife, 2021, 10, .	2.8	2
2114	Big Data in Healthcare Research: A survey study. Journal of Computer Information Systems, 2022, 62, 480-492.	2.0	5
2115	How coupled are capillary electrophoresis and mass spectrometry?. Scientometrics, 2021, 126, 3841-3851.	1.6	6
2116	Using Structural and Semantic Information to Identify Software Components., 2021,,.		1
2117	Combining viral genetic and animal mobility network data to unravel peste des petits ruminants transmission dynamics in West Africa. PLoS Pathogens, 2021, 17, e1009397.	2.1	9
2118	COVID-19 Superspreading Suggests Mitigation by Social Network Modulation. Physical Review Letters, 2021, 126, 118301.	2.9	69
2119	Dynamic Community Structure in Online Social Groups. Information (Switzerland), 2021, 12, 113.	1.7	1
2121	Influence propagation based community detection in complex networks. Machine Learning With Applications, 2021, 3, 100019.	3.0	6
2122	A Node Similarity and Community Link Strength-Based Community Discovery Algorithm. Complexity, 2021, 2021, 1-17.	0.9	4
2123	Uncovering Hidden Community Structure in Multi-Layer Networks. Applied Sciences (Switzerland), 2021, 11, 2857.	1.3	7

#	Article	IF	CITATIONS
2126	Characterizing chronological accumulation of comorbidities in healthy veterans: a computational approach. Scientific Reports, 2021, 11, 8104.	1.6	2
2127	Identification of robust retailing location patterns with complex network approaches. Complex & Intelligent Systems, 0 , , 1 .	4.0	3
2128	An empirical characterization of community structures in complex networks using a bivariate map of quality metrics. Social Network Analysis and Mining, 2021 , 11 , 1 .	1.9	4
2130	Diffusion geometry of multiplex and interdependent systems. Physical Review E, 2021, 103, 042301.	0.8	11
2131	Distress propagation on production networks: Coarse-graining and modularity of linkages. Physica A: Statistical Mechanics and Its Applications, 2021, 568, 125714.	1,2	3
2132	MEAN TIME TO ABSORPTION ON THE JOINT SIERPINSKI GASKET. Fractals, 2021, 29, 2150078.	1.8	3
2133	Clone-structured graph representations enable flexible learning and vicarious evaluation of cognitive maps. Nature Communications, 2021, 12, 2392.	5.8	37
2134	The greedy coupled-seeds expansion method for the overlapping community detection in social networks. Computing (Vienna/New York), 2022, 104, 295-313.	3.2	19
2135	Public Sphere in Crisis Mode: How the COVID-19 Pandemic Influenced Public Discourse and User Behaviour in the Swiss Twitter-sphere. Javnost, 2021, 28, 129-148.	0.7	11
2136	Downregulation of glial genes involved in synaptic function mitigates Huntington's disease pathogenesis. ELife, 2021, 10, .	2.8	20
2137	Automatic Intent-Slot Induction for Dialogue Systems. , 2021, , .		4
2138	Motif-driven Dense Subgraph Discovery in Directed and Labeled Networks. , 2021, , .		3
2139	Agent-based modeling and genetics reveal the Limfjorden, Denmark, as a well-connected system for mussel larvae. Marine Ecology - Progress Series, 2021, 680, 193-205.	0.9	15
2140	Dynamic Analyses of Contagion Risk and Module Evolution on the SSE A-Shares Market Based on Minimum Information Entropy. Entropy, 2021, 23, 434.	1.1	8
2142	A streaming edge sampling method for network visualization. Knowledge and Information Systems, 2021, 63, 1717-1743.	2.1	5
2143	Louvain-based Multi-level Graph Drawing. , 2021, , .		1
2144	LPA-MNI: An Improved Label Propagation Algorithm Based on Modularity and Node Importance for Community Detection. Entropy, 2021, 23, 497.	1.1	23
2146	Enhanced Twitter Community Detection using Node Content and Attributes., 2021,,.		1

#	Article	IF	CITATIONS
2147	Money flow network among firms' accounts in a regional bank of Japan. EPJ Data Science, 2021, 10, 19.	1.5	4
2148	Uncovering marine connectivity through sea surface temperature. Scientific Reports, 2021, 11, 8839.	1.6	8
2149	First-passage times to quantify and compare structural correlations and heterogeneity in complex systems. Communications Physics, 2021 , 4, .	2.0	18
2150	Random walks and community detection in hypergraphs. Journal of Physics Complexity, 2021, 2, 015011.	0.9	29
2151	Luminal A Breast Cancer Co-expression Network: Structural and Functional Alterations. Frontiers in Genetics, 2021, 12, 629475.	1.1	14
2152	Toward a fine-scale population health monitoring system. Cell, 2021, 184, 2068-2083.e11.	13.5	78
2153	PaCo: Fast Counting of Causal Paths in Temporal Network Data. , 2021, , .		1
2154	Neural embeddings of scholarly periodicals reveal complex disciplinary organizations. Science Advances, 2021, 7, .	4.7	26
2155	Punctuated ecological equilibrium in mammal communities over evolutionary time scales. Science, 2021, 372, 300-303.	6.0	21
2156	Ant behavioral maturation is mediated by a stochastic transition between two fundamental states. Current Biology, 2021, 31, 2253-2260.e3.	1.8	19
2157	Analysis of urban agglomeration structure through spatial network and mobile phone data. Transactions in GIS, 2021, 25, 1949-1969.	1.0	20
2158	ProHiCo: A Probabilistic Framework to Hide Communities in Large Networks. , 2021, , .		2
2159	Characterizing the interactions between classical and community-aware centrality measures in complex networks. Scientific Reports, 2021, 11, 10088.	1.6	32
2160	An Approach to Spatiotemporal Trajectory Clustering Based on Community Detection. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	0.8	1
2161	Contributions from resting state functional connectivity and familial risk to early adolescent-onset MDD: Results from the Adolescent Brain Cognitive Development study. Journal of Affective Disorders, 2021, 287, 229-239.	2.0	13
2162	A Bibliometric and Visual Analysis of Rural Development Research. Sustainability, 2021, 13, 6136.	1.6	14
2163	The likelihood-ratio test for multi-edge network models. Journal of Physics Complexity, 2021, 2, 035012.	0.9	1
2164	Measuring Law Over Time: A Network Analytical Framework with an Application to Statutes and Regulations in the United States and Germany. Frontiers in Physics, 2021, 9, .	1.0	15

#	Article	IF	CITATIONS
2165	Representation method of cooperative social network features based on Node2Vec model. Computer Communications, 2021, 173, 21-26.	3.1	6
2166	Analysis of the dynamics and influence of the research work of Prof. Liu Zeyuan in China featuring a new hybrid approach combining community detection with topic tracking. Scientometrics, 2021, 126, 6273.	1.6	O
2167	Discovering the evolution of urban structure using smart card data: The case of London. Cities, 2021, 112, 103157.	2.7	23
2168	CDCN: A New NMF-Based Community Detection Method with Community Structures and Node Attributes. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	0.8	1
2169	Spatial Congruence Analysis (SCAN): A method for detecting biogeographical patterns based on species range congruences. PLoS ONE, 2021, 16, e0245818.	1.1	3
2170	Optimal resilience of modular interacting networks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118 , .	3.3	41
2171	Making sense of tweets using sentiment analysis on closely related topics. Social Network Analysis and Mining, 2021, 11, 44.	1.9	9
2173	Trajectories through temporal networks. Applied Network Science, 2021, 6, .	0.8	7
2174	Detecting overlapping communities using ensemble-based distributed neighbourhood threshold method in social networks. Intelligent Decision Technologies, 2021, , 1-17.	0.6	1
2175	ITE: A Structural Entropy Based Approach for Source Detection. , 2021, , .		2
2176	MIERank: Co-ranking Individuals and Communities with Multiple Interactions in Evolving Networks. , 2021, , .		0
2178	Efficient Estimation of Network Games of Incomplete Information: Application to Large Online Social Networks. Management Science, 0, , .	2.4	3
2179	Understanding the roles of rail stations: Insights from network approaches in the London metropolitan area. Journal of Transport Geography, 2021, 94, 103110.	2.3	5
2180	Detecting incentivized review groups with co-review graph. High-Confidence Computing, 2021, 1, 100006.	2.2	2
2181	Establishing the Daily Living Areas Based on Travel Patterns: Focused on the Chungcheong Area. Journal of Korea Planning Association, 2021, 56, 92-103.	0.2	3
2182	A spatially aware method for mapping movementâ€based and placeâ€based regions from spatial flow networks. Transactions in GIS, 2021, 25, 2104-2124.	1.0	3
2183	KOBAS-i: intelligent prioritization and exploratory visualization of biological functions for gene enrichment analysis. Nucleic Acids Research, 2021, 49, W317-W325.	6.5	727
2184	Force-directed algorithms as a tool to support community detection. European Physical Journal: Special Topics, 2021, 230, 2745-2763.	1.2	3

#	Article	IF	CITATIONS
2185	A customisable pipeline for the semi-automated discovery of online activists and social campaigns on Twitter. World Wide Web, 2021, 24, 1235-1271.	2.7	5
2186	Identifying Flow Patterns in Water Pipelines Using Complex Network Theory. Journal of Hydraulic Engineering, 2021, 147, .	0.7	3
2187	Community detection in complex networks: From statistical foundations to data science applications. Wiley Interdisciplinary Reviews: Computational Statistics, 2022, 14, e1566.	2.1	12
2188	Community evolution on Stack Overflow. PLoS ONE, 2021, 16, e0253010.	1.1	13
2189	A comparative analysis for visualizing the temporal evolution of contact networks: a user study. Journal of Visualization, 2021, 24, 1011-1031.	1.1	7
2190	Quantifying Signal Quality for Joint Acoustic Emissions Using Graph-Based Spectral Embedding. IEEE Sensors Journal, 2021, 21, 13676-13684.	2.4	6
2192	Random walks on complex networks with first-passage resetting. Physical Review E, 2021, 103, 062132.	0.8	15
2193	A data-driven functional mapping of the anterior temporal lobes. Journal of Neuroscience, 2021, , JN-RM-0456-21.	1.7	27
2194	Mapping the multiscale structure of biological systems. Cell Systems, 2021, 12, 622-635.	2.9	19
2195	Interactive relations between maternal prenatal stress, fetal brain connectivity, and gestational age at delivery. Neuropsychopharmacology, 2021, 46, 1839-1847.	2.8	33
2196	Measuring node dissimilarity and seeking communities in directed networks via signal copying. International Journal of Modern Physics C, 2021, 32, 2150136.	0.8	0
2197	Rapid detection of identity-by-descent tracts for mega-scale datasets. Nature Communications, 2021, 12, 3546.	5.8	20
2198	Identifying port maritime communities: application to the Spanish case. European Transport Research Review, 2021, 13, .	2.3	2
2199	The impact of graph construction scheme and community detection algorithm on the repeatability of community and hub identification in structural brain networks. Human Brain Mapping, 2021, 42, 4261-4280.	1.9	7
2200	Community Hiding by Link Perturbation in Social Networks. IEEE Transactions on Computational Social Systems, 2021, 8, 704-715.	3.2	18
2201	How choosing random-walk model and network representation matters for flow-based community detection in hypergraphs. Communications Physics, 2021, 4, .	2.0	29
2202	Community detection using constrained label propagation algorithm with nodes exemption. Computing (Vienna/New York), 2022, 104, 339-358.	3.2	4
2203	Principled approach to the selection of the embedding dimension of networks. Nature Communications, 2021, 12, 3772.	5.8	21

#	Article	IF	CITATIONS
2204	Whole-genome microsynteny-based phylogeny of angiosperms. Nature Communications, 2021, 12, 3498.	5.8	53
2205	Gravitational community detection by predicting diameter. Discrete Mathematics, Algorithms and Applications, 2022, 14 , .	0.4	1
2206	How modular structure determines operational resilience of power grids. New Journal of Physics, 2021, 23, 063029.	1.2	3
2207	Topological analysis of differential effects of ketamine and propofol anaesthesia on brain dynamics. Royal Society Open Science, 2021, 8, 201971.	1.1	31
2208	Coupled network analysis revealing global monthly scale co-variability patterns between sea-surface temperatures and precipitation in dependence on the ENSO state. European Physical Journal: Special Topics, 0 , 1 .	1.2	5
2209	A weighted network community detection algorithm based on deep learning. Applied Mathematics and Computation, 2021, 401, 126012.	1.4	47
2210	Overcoming the Link Prediction Limitation in Sparse Networks using Community Detection. Journal of Information Systems and Telecommunication, 2021, 9, 183-190.	0.2	1
2211	Safeness-Based Community Penetration. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2690-2694.	2.2	3
2212	Structure of the Region-Technology Network as a Driver for Technological Innovation. Frontiers in Big Data, 2021, 4, 689310.	1.8	2
2213	Cross-Network Community Sensing for Anchor Link Prediction. , 2021, , .		0
2214	Measuring the Network Vulnerability Based on Markov Criticality. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-24.	2.5	18
2215	Mapping the jungle: A bibliometric analysis of research into construal level theory. Psychology and Marketing, 2021, 38, 1367-1383.	4.6	37
2216	HOW INDUSTRY 4.0 RESHAPES THE WORLD: RECOMMENDATIONS BASED ON COMPLEX GRAPH NETWORK ANALYSIS. Proceedings of the Design Society, 2021, 1, 1755-1764.	0.5	0
2217	COVID-19 Community Temporal Visualizer: a new methodology for the network-based analysis and visualization of COVID-19 data. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 46.	1.2	8
2218	Detecting anomalous citation groups in journal networks. Scientific Reports, 2021, 11, 14524.	1.6	11
2219	Community-based location inference in social media using supervised learning approach. Social Network Analysis and Mining, 2021, $11, 1$.	1.9	0
2220	Enriching and analyzing small citation networks: A case study on transistor's history. Physica A: Statistical Mechanics and Its Applications, 2021, 573, 125901.	1.2	1
2221	Economic costs of invasive alien species in the Mediterranean basin. NeoBiota, 0, 67, 427-458.	1.0	44

#	Article	IF	CITATIONS
2222	MCS+: An Efficient AlgorithmÂfor Crawling the Community Structure in Multiplex Networks. ACM Transactions on Knowledge Discovery From Data, 2021, 16, 1-32.	2.5	0
2223	Extremely Low Reciprocity and Strong Homophily in the World Largest MSM Social Network. IEEE Transactions on Network Science and Engineering, 2021, 8, 2279-2287.	4.1	2
2224	The average trapping time with non-nearest-neighbor jumps on the level-3 Sierpinski gasket. Fractals, 0,	1.8	3
2225	Community Detection by Node Betweenness and Similarity in Complex Network. Complexity, 2021, 2021, 1-13.	0.9	1
2226	Unfolding the multiscale structure of networks with dynamical Ollivier-Ricci curvature. Nature Communications, 2021, 12, 4561.	5.8	12
2227	Node classification using kernel propagation in graph neural networks. Expert Systems With Applications, 2021, 174, 114655.	4.4	6
2228	Quantifying the social structure of elites in ancient China. Physica A: Statistical Mechanics and Its Applications, 2021, 573, 125976.	1.2	9
2229	Trade structure and risk transmission in the international automotive Li-ion batteries trade. Resources, Conservation and Recycling, 2021, 170, 105591.	5.3	24
2231	Overlapping community detection by constrained personalized PageRank. Expert Systems With Applications, 2021, 173, 114682.	4.4	29
2232	Economic costs of invasive alien species across Europe. NeoBiota, 0, 67, 153-190.	1.0	148
2233	Exploring the rich-club characteristic in internal migration: Evidence from Chinese Chunyun migration. Cities, 2021, 114, 103198.	2.7	13
2234	Spatial behavior of cancer care utilization in distance decay in the Northeast region of the U.S Travel Behaviour & Society, 2021, 24, 291-302.	2.4	17
2235	Advances in the agent-based modeling of economic and social behavior. SN Business & Economics, 2021, 1, 99.	0.6	20
2236	HomDroid: detecting Android covert malware by social-network homophily analysis., 2021,,.		10
2237	Endemics determine bioregionalization in the alpine zone of the Irano-Anatolian biodiversity hotspot (South-West Asia). Alpine Botany, 2021, 131, 177-186.	1.1	5
2238	Nodal Memberships to Communities of Functional Brain Networks Reveal Functional Flexibility and Individualized Connectome. Cerebral Cortex, 2021, 31, 5090-5106.	1.6	5
2239	A supervised machine learning approach to author disambiguation in the Web of Science. Journal of Informetrics, 2021, 15, 101166.	1.4	11
2240	The Moving Mapper. Journal of the American Planning Association, 2022, 88, 179-191.	0.9	10

#	Article	IF	CITATIONS
2242	State Aggregations in Markov Chains and Block Models of Networks. Physical Review Letters, 2021, 127, 078301.	2.9	5
2243	Features and evolution of global energy trade network based on domestic value-added decomposition of export. Energy, 2021, 228, 120486.	4.5	11
2244	Hide and Seek: Outwitting Community Detection Algorithms. IEEE Transactions on Computational Social Systems, 2021, 8, 799-808.	3.2	20
2245	AFIF: Automatically Finding Important Features in community evolution prediction for dynamic social networks. Computer Communications, 2021, 176, 66-80.	3.1	2
2246	Weakly-supervised learning for community detection based on graph convolution in attributed networks. International Journal of Machine Learning and Cybernetics, 2021, 12, 3529-3539.	2.3	7
2247	Assessing temporal–spatial characteristics of urban travel behaviors from multiday smart-card data. Physica A: Statistical Mechanics and Its Applications, 2021, 576, 126058.	1.2	18
2248	Prognostic targets recognition of rectal adenocarcinoma based on transcriptomics. Medicine (United) Tj ETQq0	0 O rgBT /0	Overlock 10 1
2250	Evolving climate network perspectives on global surface air temperature effects of ENSO and strong volcanic eruptions. European Physical Journal: Special Topics, 2021, 230, 3075-3100.	1.2	6
2251	Increased network centrality of the anterior insula in early abstinence from alcohol. Addiction Biology, 2022, 27, e13096.	1.4	14
2252	Discovering the homogeneous geographic domain of human perceptions from street view images. Landscape and Urban Planning, 2021, 212, 104125.	3.4	36
2253	On the Vulnerability of Community Structure in Complex Networks. Smart Innovation, Systems and Technologies, 2022, , 109-136.	0.5	0
2254	Regional economic integration via detection of circular flow in international value-added network. PLoS ONE, 2021, 16, e0255698.	1.1	1
2255	Quantifying the compressibility of complex networks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11
2256	Taxi Global Positioning System Data in Urban Road Network: A Methodology to Identify Key Road Clusters Based on Travel Speed–Traffic Volume Correlation. Transportation Research Record, 2022, 2676, 487-498.	1.0	4
2257	Overlapping community detection in networks based on link partitioning and partitioning around medoids. PLoS ONE, 2021, 16, e0255717.	1.1	6
2258	Community Detection for Air Traffic Networks and Its Application in Strategic Flight Planning. Sustainability, 2021, 13, 8924.	1.6	0
2259	Gravity algorithm for the community detection of large-scale network. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 1217-1228.	3.3	3
2260	Simulating the urban spatial structure with spatial interaction: A case study of urban polycentricity under different scenarios. Computers, Environment and Urban Systems, 2021, 89, 101677.	3.3	29

#	Article	IF	Citations
2261	Understanding the onset of hot streaks across artistic, cultural, and scientific careers. Nature Communications, 2021, 12, 5392.	5.8	23
2262	Spatial distribution of graffiti types: a complex network approach. European Physical Journal B, 2021, 94, 1.	0.6	1
2263	Entropy-Based Graph Clustering of PPI Networks for Predicting Overlapping Functional Modules of Proteins. Entropy, 2021, 23, 1271.	1.1	1
2264	Enriching networks with edge insertion to improve community detection. Social Network Analysis and Mining, 2021, 11, 1.	1.9	3
2265	Whole-Brain Resting-State Functional Connectivity Patterns Associated With Pediatric Anxiety and Involuntary Attention Capture. Biological Psychiatry Global Open Science, 2021, 1, 229-238.	1.0	6
2266	Estimation of Human Mobility Patterns for Forecasting the Early Spread of Disease. Healthcare (Switzerland), 2021, 9, 1224.	1.0	3
2268	Modularity in Biological Networks. Frontiers in Genetics, 2021, 12, 701331.	1.1	26
2269	Creld2 function during unfolded protein response is essential for liver metabolism homeostasis. FASEB Journal, 2021, 35, e21939.	0.2	15
2270	Subject identification using edge-centric functional connectivity. NeuroImage, 2021, 238, 118204.	2.1	24
2271	Prognostic value of polygenic risk scores for adults with psychosis. Nature Medicine, 2021, 27, 1576-1581.	15.2	31
2272	Who delays climate action? Interest groups and coalitions in state legislative struggles in the United States. Energy Research and Social Science, 2021, 79, 102114.	3.0	9
2273	Parallel cognitive processing streams in human prefrontal cortex: Parsing areal-level brain network for response inhibition. Cell Reports, 2021, 36, 109732.	2.9	15
2274	Random walks on complex networks with multiple resetting nodes: A renewal approach. Chaos, 2021, 31, 093135.	1.0	10
2275	Understanding the growth of the Fediverse through the lens of Mastodon. Applied Network Science, 2021, 6, .	0.8	23
2276	Node2vec with weak supervision on community structures. Pattern Recognition Letters, 2021, 150, 147-154.	2.6	1
2277	A new link prediction in multiplex networks using topologically biased random walks. Chaos, Solitons and Fractals, 2021, 151, 111230.	2.5	55
2278	Unsupervised learning for community detection in attributed networks based on graph convolutional network. Neurocomputing, 2021, 456, 147-155.	3 . 5	32
2279	Understanding the urban mobility community by taxi travel trajectory. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105863.	1.7	12

#	Article	IF	Citations
2280	A deep learning approach for semi-supervised community detection in Online Social Networks. Knowledge-Based Systems, 2021, 229, 107345.	4.0	15
2281	A network embedding-enhanced Bayesian model for generalized community detection in complex networks. Information Sciences, 2021, 575, 306-322.	4.0	9
2282	Multiscale communication in cortico-cortical networks. NeuroImage, 2021, 243, 118546.	2.1	42
2283	A fast variable neighborhood search approach for multi-objective community detection. Applied Soft Computing Journal, 2021, 112, 107838.	4.1	11
2284	PLDLS: A novel parallel label diffusion and label Selection-based community detection algorithm based on Spark in social networks. Expert Systems With Applications, 2021, 183, 115377.	4.4	19
2285	Community detection in directed acyclic graphs of adversary interactions. Physica A: Statistical Mechanics and Its Applications, 2021, 584, 126370.	1.2	2
2286	ACSIMCD: A 2-phase framework for detecting meaningful communities in dynamic social networks. Future Generation Computer Systems, 2021, 125, 399-420.	4.9	4
2287	Bacterial community demonstrates stronger network connectivity than fungal community in desert-grassland salt marsh. Science of the Total Environment, 2021, 798, 149118.	3.9	24
2288	Maximal cliques based method for detecting and evaluating learning communities in social networks. Future Generation Computer Systems, 2022, 126, 1-14.	4.9	9
2289	Parallel and distributed paradigms for community detection in social networks: A methodological review. Expert Systems With Applications, 2022, 187, 115956.	4.4	18
2290	Network neuroscience and the connectomics revolution. , 2022, , 25-58.		10
2291	Individualized Functional Subnetworks Connect Human Striatum and Frontal Cortex. Cerebral Cortex, 2022, 32, 2868-2884.	1.6	20
2292	Disjoint and Non-Disjoint Community Detection with Control of Overlaps Between Communities. SN Computer Science, 2021, 2, 1.	2.3	0
2293	Geographic distribution patterns of species of the subtribe Lychnophorinae (Asteraceae: Vernonieae). Rodriguesia, 0, 72, .	0.9	2
2294	CTD: An information-theoretic algorithm to interpret sets of metabolomic and transcriptomic perturbations in the context of graphical models. PLoS Computational Biology, 2021, 17, e1008550.	1.5	8
2295	Large-Scale Network Community Detection Using Similarity-Guided Merge and Refinement. IEEE Access, 2021, 9, 78538-78552.	2.6	5
2296	Candidate regulators and target genes of drought stress in needles and roots of Norway spruce. Tree Physiology, 2021, 41, 1230-1246.	1.4	20
2297	Clustering spatio-temporal bi-partite graphs for finding crowdsourcing communities in IoMT networks. Big Earth Data, 2021, 5, 24-48.	2.0	2

#	ARTICLE	IF	CITATIONS
2299	RefineDCN: An Improved Community Detection Algorithm Based on Center Finding. IEEE Access, 2021, 9, 14630-14639.	2.6	0
2300	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
2301	Climate shock effects and mediation in fisheries. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	35
2303	Novel Subtypes of Pulmonary Emphysema Based on Spatially-Informed Lung Texture Learning: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Study. IEEE Transactions on Medical Imaging, 2021, 40, 3652-3662.	5.4	6
2304	Dynamic Analyses of Contagion Risk and Module Evolution on the SSE A-Shares Market Based on Minimum Information Entropy. SSRN Electronic Journal, 0, , .	0.4	0
2305	HiDeF: identifying persistent structures in multiscale â€~omics data. Genome Biology, 2021, 22, 21.	3.8	29
2315	Statistical and Bioinformatics Analysis of Data from Bulk and Single-Cell RNA Sequencing Experiments. Methods in Molecular Biology, 2021, 2194, 143-175.	0.4	12
2316	Network Analysis of Integrin Adhesion Complexes. Methods in Molecular Biology, 2021, 2217, 149-179.	0.4	7
2317	A Survey of Link Mining Tasks for Analyzing Noisy and Incomplete Networks. , 2010, , 107-133.		4
2318	Analysis of Social Networks Extracted from Log Files. , 2010, , 115-146.		10
2319	The Emerging Scholarly Brain. Thirty Years of Astronomical Discovery With UKIRT, 2011, , 23-35.	0.3	2
2320	Scholarly Networks Analysis., 2014, , 1643-1651.		6
2322	A Dynamical Network View of Lyon's Vélo'v Shared Bicycle System. Modeling and Simulation in Science Engineering and Technology, 2013, , 267-284.	' 0.4	11
2323	Multi-scale Modularity and Dynamics in Complex Networks. Modeling and Simulation in Science, Engineering and Technology, 2013, , 125-141.	0.4	7
2324	Community Structure Characterization. , 2017, , 1-13.		1
2325	Scholarly Network Analysis. , 2018, , 2327-2335.		1
2326	Knowledge Integration: Its Meaning and Measurement. Springer Handbooks, 2019, , 69-94.	0.3	18
2327	Creation and Analysis of Large-Scale Bibliometric Networks. Springer Handbooks, 2019, , 187-212.	0.3	9

#	ARTICLE	IF	Citations
2328	Science Mapping and the Identification of Topics: Theoretical and Methodological Considerations. Springer Handbooks, 2019, , 213-233.	0.3	8
2329	A Customisable Pipeline for Continuously Harvesting Socially-Minded Twitter Users. Lecture Notes in Computer Science, 2019, , 91-106.	1.0	1
2330	Network Community Cluster-Based Analysis for the Identification of Potential Leukemia Drug Targets. Advances in Intelligent Systems and Computing, 2020, , 314-323.	0.5	2
2331	Challenges in Community Discovery on Temporal Networks. Computational Social Sciences, 2019, , 181-197.	0.4	9
2332	Multi-type Relational Data Clustering for Community Detection by Exploiting Content and Structure Information in Social Networks. Lecture Notes in Computer Science, 2019, , 541-554.	1.0	5
2333	Eva: Attribute-Aware Network Segmentation. Studies in Computational Intelligence, 2020, , 141-151.	0.7	2
2334	A New Approach to Detect At-Risk Learning Communities in Social Networks. Learning and Analytics in Intelligent Systems, 2020, , 75-84.	0.5	4
2335	Investigating Centrality Measures in Social Networks with Community Structure. Studies in Computational Intelligence, 2021, , 211-222.	0.7	7
2336	Core Method for Community Detection. Studies in Computational Intelligence, 2021, , 38-50.	0.7	2
2337	Core Decomposition in Directed Networks: Kernelization and Strong Connectivity. Studies in Computational Intelligence, 2014, , 129-140.	0.7	2
2338	Community Detection in Bipartite Networks Using Random Walks. Studies in Computational Intelligence, 2014, , 157-165.	0.7	11
2339	Structure-Aware Distance Measures for Comparing Clusterings in Graphs. Lecture Notes in Computer Science, 2014, , 362-373.	1.0	3
2340	Overlapping Communities for Identifying Misbehavior in Network Communications. Lecture Notes in Computer Science, 2014, , 398-409.	1.0	8
2341	A Methodology for Generating Time-Varying Complex Networks with Community Structure. Lecture Notes in Computer Science, 2014, , 344-359.	1.0	1
2342	Community Branching for Parallel Portfolio SAT Solvers. Lecture Notes in Computer Science, 2014, , 188-196.	1.0	5
2343	Modularity Maximization Adjusted by Neural Networks. Lecture Notes in Computer Science, 2014, , 287-294.	1.0	2
2345	Detecting Location-Centric Communities Using Social-Spatial Links with Temporal Constraints. Lecture Notes in Computer Science, 2015, , 489-494.	1.0	4
2346	Inference of Hidden Structures in Complex Physical Systems by Multi-scale Clustering. Springer Series in Materials Science, 2016, , 115-138.	0.4	6

#	Article	IF	CITATIONS
2347	Processing and Analysis of Macedonian Cuisine and its Flavours by Using Online Recipes. Advances in Intelligent Systems and Computing, 2016, , 143-152.	0.5	2
2348	On the Evaluation Potential of Quality Functions in Community Detection for Different Contexts. Lecture Notes in Computer Science, 2016, , 111-125.	1.0	13
2349	A Novel Approach to Evaluate Community Detection Algorithms on Ground Truth. Studies in Computational Intelligence, 2016, , 133-144.	0.7	30
2350	Who buys what, where: Reconstruction of the international trade flows by commodity and industry. Studies in Computational Intelligence, 2017, , 657-670.	0.7	2
2351	Overlapping Community Detection in Social Networks with Node Attributes by Neighborhood Influence. Springer Proceedings in Mathematics and Statistics, 2017, , 187-203.	0.1	1
2352	Co-author Recommender System. Springer Proceedings in Mathematics and Statistics, 2017, , 251-257.	0.1	16
2353	Unsupervised Discovery of Spatially-Informed Lung Texture Patterns for Pulmonary Emphysema: The MESA COPD Study. Lecture Notes in Computer Science, 2017, 10433, 116-124.	1.0	13
2354	Fluid Communities: A Competitive, Scalable and Diverse Community Detection Algorithm. Studies in Computational Intelligence, 2018, , 229-240.	0.7	38
2355	Detecting Community Structure in Dynamic Social Networks Using the Concept of Leadership. Studies in Systems, Decision and Control, 2018, , 97-118.	0.8	12
2356	On the Equivalence Between Community Discovery and Clustering. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 342-352.	0.2	5
2357	Analysis of Enriched Co-authorship Networks: Methodology and a Case Study. Intelligent Systems Reference Library, 2019, , 277-317.	1.0	2
2359	An MDL Approach to Efficiently Discover Communities in Bipartite Network. Lecture Notes in Computer Science, 2010, , 595-611.	1.0	6
2360	A Parallel between Extended Formal Concept Analysis and Bipartite Graphs Analysis. Lecture Notes in Computer Science, 2010, , 270-280.	1.0	15
2361	Fast Detection of Size-Constrained Communities in Large Networks. Lecture Notes in Computer Science, 2010, , 91-104.	1.0	3
2363	Qualitative Comparison of Community Detection Algorithms. Communications in Computer and Information Science, 2011, , 265-279.	0.4	46
2364	A Community-Based Pseudolikelihood Approach for Relationship Labeling in Social Networks. Lecture Notes in Computer Science, 2011, , 491-505.	1.0	1
2365	Investigating the OpenPGP Web of Trust. Lecture Notes in Computer Science, 2011, , 489-507.	1.0	26
2366	Community-Based Relational Markov Networks in Complex Networks. Lecture Notes in Computer Science, 2011, , 301-310.	1.0	1

#	Article	IF	CITATIONS
2367	Microgroup Mining on TSina via Network Structure and User Attribute. Lecture Notes in Computer Science, 2011, , 138-151.	1.0	5
2368	An Evaluation of Community Detection Algorithms on Large-Scale Email Traffic. Lecture Notes in Computer Science, 2012, , 283-294.	1.0	17
2369	Community Structure: An Introduction. Springer Theses, 2013, , 1-17.	0.0	2
2370	Community-Detection Cellular Automata with Local and Long-Range Connectivity. Lecture Notes in Computer Science, 2012, , 204-213.	1.0	8
2371	Clustering Sets of Objects Using Concepts-Objects Bipartite Graphs. Lecture Notes in Computer Science, 2012, , 420-432.	1.0	2
2372	Robust Community Detection Methods with Resolution Parameter for Complex Detection in Protein Protein Interaction Networks. Lecture Notes in Computer Science, 2012, , 1-13.	1.0	8
2373	Random Walks on Stochastic Temporal Networks. Understanding Complex Systems, 2013, , 295-313.	0.3	40
2375	Fast Community Detection. Lecture Notes in Computer Science, 2013, , 404-418.	1.0	2
2376	Force-Directed Layout Community Detection. Lecture Notes in Computer Science, 2013, , 419-427.	1.0	4
2377	A Topological Approach for Detecting Twitter Communities with Common Interests. Lecture Notes in Computer Science, 2013, , 23-43.	1.0	13
2378	The Spanish "Indignados―Movement: Time Dynamics, Geographical Distribution, and Recruitment Mechanisms. Lecture Notes in Social Networks, 2014, , 155-177.	0.8	3
2379	Multi-objective Optimization with Nonnegative Matrix Factorization for Identifying Overlapping Communities in Networks. Communications in Computer and Information Science, 2016, , 328-333.	0.4	1
2380	Network Structure Balance Analytics with Evolutionary Optimization., 2017,, 135-199.		1
2381	A Comparative Analysis of Community Detection Algorithms on Social Networks. Advances in Intelligent Systems and Computing, 2019, , 287-298.	0.5	10
2382	Feature Selection Using Graph-Based Clustering for Rice Disease Prediction. Advances in Intelligent Systems and Computing, 2020, , 589-598.	0.5	2
2383	Exploring temporal heterogeneity in an intercity travel network: A comparative study between weekdays and holidays in China. Journal of Chinese Geography, 2020, 30, 1943-1962.	1.5	21
2384	InOvIn: A fuzzy-rough approach for detecting overlapping communities with intrinsic structures in evolving networks. Applied Soft Computing Journal, 2020, 89, 106096.	4.1	15
2385	Topic-linked innovation paths in science and technology. Journal of Informetrics, 2020, 14, 101014.	1.4	30

#	Article	IF	CITATIONS
2388	Decoding myofibroblast origins in human kidney fibrosis. Nature, 2021, 589, 281-286.	13.7	380
2389	Clusters of investors around initial public offering. Palgrave Communications, 2019, 5, .	4.7	9
2390	The market nanostructure origin of asset price time reversal asymmetry. Quantitative Finance, 2021, 21, 295-304.	0.9	2
2391	Flows and Boundaries: A Network Approach to Studying Occupational Mobility in the Labor Market. American Journal of Sociology, 2020, 126, 577-631.	0.3	14
2392	Population genetic structuring of methicillin-resistant Staphylococcus aureus clone EMRSA-15 within UK reflects patient referral patterns. Microbial Genomics, 2017, 3, e000113.	1.0	19
2428	Using module analysis for multiple choice responses: A new method applied to Force Concept Inventory data. Physical Review Physics Education Research, 2016, 12, .	1.4	35
2429	Exploring the structure of misconceptions in the Force Concept Inventory with modified module analysis. Physical Review Physics Education Research, 2019, 15, .	1.4	24
2430	Network positions in active learning environments in physics. Physical Review Physics Education Research, 2020, 16 , .	1.4	14
2431	Tracking the cumulative knowledge spreading in a comprehensive citation network. Physical Review Research, 2020, 2, .	1.3	4
2432	A framework for the construction of generative models for mesoscale structure in multilayer networks. Physical Review Research, 2020, 2, .	1.3	23
2433	Generative network model of transcriptome patterns in disease cohorts with tunable signal strength. Physical Review Research, 2020, 2, .	1.3	3
2434	<i>ALEPH</i> : a network-oriented approach for the generation of fragment-based libraries and for structure interpretation. Acta Crystallographica Section D: Structural Biology, 2020, 76, 193-208.	1.1	16
2435	Static and Dynamic Community Detection Methods That Optimize a Specific Objective Function: A Survey and Experimental Evaluation. IEEE Access, 2020, 8, 98330-98358.	2.6	9
2436	Attributed Network Embedding with Community Preservation. , 2020, , .		4
2437	Density Peaks Based Clustering Algorithm for Overlapping Community Detection. , 2016, , .		1
2438	Expression of long noncoding RNAs in cancerâ€associated fibroblasts linked to patient survival in ovarian cancer. Cancer Science, 2020, 111, 1805-1817.	1.7	25
2439	Scholarly migration within Mexico: analyzing internal migration among researchers using Scopus longitudinal bibliometric data. EPJ Data Science, 2020, 9, .	1.5	14
2440	Community leader and transition probability based LPA. International Journal of Modern Physics B, 2020, 34, 2050253.	1.0	1

#	Article	IF	CITATIONS
2441	Detecting latent urban mobility structure using mobile phone data. Modern Physics Letters B, 2020, 34, 2050342.	1.0	4
2442	Node Trust: an effective method to detect non-overlapping community in social networks. Modern Physics Letters B, 2021, 35, 2150036.	1.0	3
2443	Traveling trends., 2013,,.		38
2444	On maximizing diffusion speed in social networks. Performance Evaluation Review, 2014, 42, 301-313.	0.4	4
2445	Analysis of the semi-synchronous approach to large-scale parallel community finding. , 2014, , .		4
2446	Location Prediction., 2015, , .		14
2447	Inspiration or Preparation?. , 2016, , .		3
2448	Multiplex Media Attention and Disregard Network among 129 Countries. , 2017, , .		2
2449	Ensemble Detection and Analysis of Communities in Complex Networks. ACM/IMS Transactions on Data Science, 2020, 1, 1-34.	2.1	3
2450	Adversarial Attack on Community Detection by Hiding Individuals. , 2020, , .		43
2451	Network Embedding for Community Detection in Attributed Networks. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-25.	2.5	56
2452	Locating source of heterogeneous propagation model by universal algorithm. Europhysics Letters, 2020, 131, 48001.	0.7	14
2453	An a posteriori measure of network modularity. F1000Research, 2013, 2, 130.	0.8	13
2454	An a posteriori measure of network modularity. F1000Research, 0, 2, 130.	0.8	9
2456	Finding New Order in Biological Functions from the Network Structure of Gene Annotations. PLoS Computational Biology, 2015, 11, e1004565.	1.5	11
2457	Vicus: Exploiting local structures to improve network-based analysis of biological data. PLoS Computational Biology, 2017, 13, e1005621.	1.5	15
2458	Recurrently connected and localized neuronal communities initiate coordinated spontaneous activity in neuronal networks. PLoS Computational Biology, 2017, 13, e1005672.	1.5	51
2459	Model-based and phylogenetically adjusted quantification of metabolic interaction between microbial species. PLoS Computational Biology, 2020, 16, e1007951.	1.5	11

#	ARTICLE	IF	CITATIONS
2460	Multiscale community detection in Cytoscape. PLoS Computational Biology, 2020, 16, e1008239.	1.5	34
2461	Clickstream Data Yields High-Resolution Maps of Science. PLoS ONE, 2009, 4, e4803.	1.1	155
2462	Community Landscapes: An Integrative Approach to Determine Overlapping Network Module Hierarchy, Identify Key Nodes and Predict Network Dynamics. PLoS ONE, 2010, 5, e12528.	1.1	168
2463	Evaluating Research and Impact: A Bibliometric Analysis of Research by the NIH/NIAID HIV/AIDS Clinical Trials Networks. PLoS ONE, 2011, 6, e17428.	1.1	82
2464	Multilevel Compression of Random Walks on Networks Reveals Hierarchical Organization in Large Integrated Systems. PLoS ONE, 2011, 6, e18209.	1.1	332
2465	The Global Transmission and Control of Influenza. PLoS ONE, 2011, 6, e19515.	1.1	66
2466	Deciphering Network Community Structure by Surprise. PLoS ONE, 2011, 6, e24195.	1.1	81
2467	Social Features of Online Networks: The Strength of Intermediary Ties in Online Social Media. PLoS ONE, 2012, 7, e29358.	1.1	198
2468	Identifying Overlapping and Hierarchical Thematic Structures in Networks of Scholarly Papers: A Comparison of Three Approaches. PLoS ONE, 2012, 7, e33255.	1.1	8
2469	Understanding Communication Signals during Mycobacterial Latency through Predicted Genome-Wide Protein Interactions and Boolean Modeling. PLoS ONE, 2012, 7, e33893.	1.1	34
2470	Mesoscopic Structure and Social Aspects of Human Mobility. PLoS ONE, 2012, 7, e37676.	1.1	81
2471	Network Selection: A Method for Ranked Lists Selection. PLoS ONE, 2012, 7, e43678.	1.1	4
2472	Local-Based Semantic Navigation on a Networked Representation of Information. PLoS ONE, 2012, 7, e43694.	1.1	23
2473	Resampling Effects on Significance Analysis of Network Clustering and Ranking. PLoS ONE, 2013, 8, e53943.	1.1	9
2474	The Role of Community Mixing Styles in Shaping Epidemic Behaviors in Weighted Networks. PLoS ONE, 2013, 8, e57100.	1.1	23
2475	Hidden Information Revealed by Optimal Community Structure from a Protein-Complex Bipartite Network Improves Protein Function Prediction. PLoS ONE, 2013, 8, e60372.	1.1	28
2476	Identification of Unstable Network Modules Reveals Disease Modules Associated with the Progression of Alzheimer's Disease. PLoS ONE, 2013, 8, e76162.	1.1	41
2477	Exploring Function Prediction in Protein Interaction Networks via Clustering Methods. PLoS ONE, 2014, 9, e99755.	1.1	17

#	Article	IF	CITATIONS
2478	The Community Structure of the Global Corporate Network. PLoS ONE, 2014, 9, e104655.	1.1	52
2479	Using Random Walks to Generate Associations between Objects. PLoS ONE, 2014, 9, e104813.	1.1	22
2480	Uncovering Community Structures with Initialized Bayesian Nonnegative Matrix Factorization. PLoS ONE, 2014, 9, e107884.	1.1	7
2481	Social Media Fingerprints of Unemployment. PLoS ONE, 2015, 10, e0128692.	1.1	100
2482	Followers Are Not Enough: A Multifaceted Approach to Community Detection in Online Social Networks. PLoS ONE, 2015, 10, e0134860.	1.1	30
2483	Netgram: Visualizing Communities in Evolving Networks. PLoS ONE, 2015, 10, e0137502.	1.1	6
2484	International Trade Modelling Using Open Flow Networks: A Flow-Distance Based Analysis. PLoS ONE, 2015, 10, e0142936.	1.1	5
2485	Differential Globalization of Industry- and Non-Industry–Sponsored Clinical Trials. PLoS ONE, 2015, 10, e0145122.	1.1	53
2486	Emergence of Multiplex Communities in Collaboration Networks. PLoS ONE, 2016, 11, e0147451.	1.1	33
2487	A Multivariate Granger Causality Concept towards Full Brain Functional Connectivity. PLoS ONE, 2016, 11, e0153105.	1.1	39
2488	Link-Prediction Enhanced Consensus Clustering for Complex Networks. PLoS ONE, 2016, 11, e0153384.	1.1	30
2489	Clustering Scientific Publications Based on Citation Relations: A Systematic Comparison of Different Methods. PLoS ONE, 2016, 11, e0154404.	1.1	89
2490	Detecting Community Structure by Using a Constrained Label Propagation Algorithm. PLoS ONE, 2016, 11, e0155320.	1.1	26
2491	BoCluSt: Bootstrap Clustering Stability Algorithm for Community Detection. PLoS ONE, 2016, 11, e0156576.	1.1	5
2492	Attack Vulnerability of Network Controllability. PLoS ONE, 2016, 11, e0162289.	1.1	52
2493	Locating Structural Centers: A Density-Based Clustering Method for Community Detection. PLoS ONE, 2017, 12, e0169355.	1.1	36
2494	Community detection in dynamic networks via adaptive label propagation. PLoS ONE, 2017, 12, e0188655.	1.1	20
2495	Real-time community detection in full social networks on a laptop. PLoS ONE, 2018, 13, e0188702.	1.1	13

#	Article	IF	CITATIONS
2496	A complex network approach reveals a pivotal substructure of genes linked to schizophrenia. PLoS ONE, 2018, 13, e0190110.	1.1	22
2497	Inferring hidden causal relations between pathway members using reduced Google matrix of directed biological networks. PLoS ONE, 2018, 13, e0190812.	1.1	25
2498	Testing "efficient supply chain propositions―using topological characterization of the global supply chain network. PLoS ONE, 2020, 15, e0239669.	1.1	10
2499	The sustainability and the survivability of Kyoto's traditional craft industry revealed from supplier-customer network. PLoS ONE, 2020, 15, e0240618.	1.1	1
2500	Network Analysis as a Research Methodology in Science Education Research. Pedagogika, 2018, 68, .	0.1	5
2501	Finding Cultural Holes: How Structure and Culture Diverge in Networks of Scholarly Communication. Sociological Science, 0, 1, 221-238.	2.0	52
2502	Visual Analysis of Contact Patterns in School Environments. Informatics in Education, 0, , 455-472.	1.8	7
2503	A Fast Method of Detecting Overlapping Community in Network Based on LFM. Journal of Software, 0, , 825-834.	0.6	3
2504	Modular transcriptional repertoire and MicroRNA target analyses characterize genomic dysregulation in the thymus of Down syndrome infants. Oncotarget, 2016, 7, 7497-7533.	0.8	19
2505	Identifying Cognate Sets Across Dictionaries of Related Languages. , 2017, , .		19
2506	Using support vector machines and state-of-the-art algorithms for phonetic alignment to identify cognates in multi-lingual wordlists. , 2017, , .		26
2507	Similarity Dependent. , 2018, , .		3
2508	Are Automatic Methods for Cognate Detection Good Enough for Phylogenetic Reconstruction in Historical Linguistics?., 2018,,.		22
2509	Modeling Concept Dependencies in a Scientific Corpus. , 2016, , .		42
2510	Using Sequence Similarity Networks to Identify Partial Cognates in Multilingual Wordlists. , 2016, , .		29
2511	Improving Twitter Community Detection through Contextual Sentiment Analysis. , 2016, , .		1
2512	GoWvis: A Web Application for Graph-of-Words-based Text Visualization and Summarization. , 2016, , .		18
2513	An Automated Framework for Fast Cognate Detection and Bayesian Phylogenetic Inference in Computational Historical Linguistics. , 2019, , .		4

#	Article	IF	CITATIONS
2516	Mapping Change in the Federal Funds Market. SSRN Electronic Journal, 0, , .	0.4	3
2517	Exploring the Uncharted Export: An Analysis of Tourism-Related Foreign Expenditure with International Spend Data. SSRN Electronic Journal, 0, , .	0.4	2
2518	Characterization of the Community Structure in a Large-Scale Production Network in Japan. SSRN Electronic Journal, $0, , .$	0.4	2
2519	Hierarchical Communities in Walnut Structure of Japanese Production Network. SSRN Electronic Journal, 0, , .	0.4	4
2520	Hierarchical and Circular Flow Structure of Interfirm Transaction Networks in Japan. SSRN Electronic Journal, 0, , .	0.4	4
2521	Analysis of Single-Cell RNA-seq Data by Clustering Approaches. Current Bioinformatics, 2019, 14, 314-322.	0.7	21
2522	Community Detection Using Differential Evolution Algorithm with Multiple Objective Function. International Journal of Urban Design for Ubiquitous Computing, 2014, 2, 7-14.	0.1	2
2523	Characterizing Twitter Discussions About HPV Vaccines Using Topic Modeling and Community Detection. Journal of Medical Internet Research, 2016, 18, e232.	2.1	138
2524	Deep Learning for Community Detection: Progress, Challenges and Opportunities. , 2020, , .		114
2525	Peer Influence in the Diffusion of iPhone 3G over a Large Social Network. MIS Quarterly: Management Information Systems, 2014, 38, 1103-1133.	3.1	46
2526	Extracting Clusters of Specialist Terms from Unstructured Text., 2014,,.		4
2527	The Modular Community Structure of Linguistic Predication Networks. , 2014, , .		2
2528	The Large Scale Structure of Human Metabolism Reveals Resilience via Extensive Signaling Crosstalk. Frontiers in Physiology, 2020, 11, 588012.	1.3	10
2529	Mitigating Biases in CORD-19 for Analyzing COVID-19 Literature. Frontiers in Research Metrics and Analytics, 2020, 5, 596624.	0.9	7
2530	Integrated Computational Approaches and Tools for Allosteric Drug Discovery. International Journal of Molecular Sciences, 2020, 21, 847.	1.8	73
2531	Research on Algorithms for Complexes and Functional Modules Prediction in Protein-Protein Interaction Networks. Jisuanji Xuebao/Chinese Journal of Computers, 2011, 34, 1239-1251.	0.3	3
2532	Systemic centrality and systemic communities in financial networks. Quantitative Finance and Economics, 2018, 2, 468-496.	1.4	14
2533	Consistent Community Identi \hat{A} -cation in Complex Networks. Journal of the Korean Physical Society, 2011, 59, 3128-3132.	0.3	9

#	Article	IF	CITATIONS
2534	Hábitos de publicación y citación según campos cientÃficos: Principales diferencias a partir de las revistas JCR. Revista Espanola De Documentacion Cientifica, 2013, 36, en012.	0.1	10
2536	Community Detection in Large-Scale Social Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 189-206.	0.3	2
2537	Multiobjective Group Search Optimization Approach for Community Detection in Networks. International Journal of Applied Evolutionary Computation, 2016, 7, 50-70.	0.7	2
2538	Identifying Overlying Group of People through Clustering. International Journal of Information Technology and Web Engineering, 2012, 7, 50-60.	1.2	2
2539	Scale, Time, and Activity Patterns: Advanced Methods for the Analysis of Online Networks. , 2017, , 259-276.		3
2540	On Accuracy of Community Structure Discovery Algorithms. Journal of Convergence Information Technology, 2011, 6, 283-292.	0.1	16
2541	Large Scale Chemical Cross-linking Mass Spectrometry Perspectives. Journal of Proteomics and Bioinformatics, 2013, 01, 001.	0.4	16
2542	Mutually Enhancing Community Detection and Sentiment Analysis on Twitter Networks. Journal of Data Analysis and Information Processing, 2013, 01, 19-29.	0.7	30
2543	Safe Havens, Feedback Loops, and Shock Propagation in Global Asset Prices. IMF Working Papers, 2014, 14, 1.	0.5	4
2544	SOCIAL MEDIA PARTICIPATION IN URBAN PLANNING: A NEW WAY TO INTERACT AND TAKE DECISIONS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W3, 59-64.	0.2	5
2545	GeoSimMR: A MapReduce Algorithm for Detecting Communities based on Distance and Interest in Social Networks. Data Science Journal, 2019, 18, .	0.6	3
2546	Hierarchical Community Structure in Complex (Social) Networks. Acta Physica Polonica B, Proceedings Supplement, 2014, 7, 379.	0.0	2
2550	Some Effects of the Human Genome Project on the ErdÅ's Collaboration Graph. Journal of Humanistic Mathematics, 2014, 4, [3]-24.	0.1	4
2551	Exploring Twitter communication dynamics with evolving community analysis. PeerJ Computer Science, 0, 3, e107.	2.7	7
2552	MCLEAN: Multilevel Clustering Exploration As Network. PeerJ Computer Science, 2018, 4, e145.	2.7	3
2553	Capturing the interplay of dynamics and networks through parameterizations of Laplacian operators. PeerJ Computer Science, 0, 2, e57.	2.7	7
2554	Characterization of Mobility Patterns With a Hierarchical Clustering of Origin-Destination GPS Taxi Data. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12700-12710.	4.7	3
2555	Community detection in social networks by incorporating the preferential selection. Journal of Complex Networks, 2021, 9, .	1.1	0

#	ARTICLE	IF	CITATIONS
2556	Community Detection and Impact of Bots on Sentiment Polarity of Twitter Networks. , 2021, , .		1
2557	Incremental Community Detection in Distributed Dynamic Graph. , 2021, , .		3
2558	Diffusion profile embedding as a basis for graph vertex similarity. Network Science, 2021, 9, 328-353.	0.8	3
2560	Collaboration mechanisms and community detection of statisticians based on ERGMs and kNN-walktrap. Computational Statistics and Data Analysis, 2021, , 107372.	0.7	2
2561	Discrete bacterial foraging optimization for community detection in networks. Future Generation Computer Systems, 2022, 128, 192-204.	4.9	5
2562	Correlation and dimension relevance in multidimensional networks: a systematic taxonomy. Social Network Analysis and Mining, 2021, 11, .	1.9	1
2563	Evaluating the role of community detection in improving influence maximization heuristics. Social Network Analysis and Mining, 2021, 11, 1.	1.9	2
2564	Progress and challenges in virus genomic epidemiology. Trends in Parasitology, 2021, 37, 1038-1049.	1.5	45
2565	On the statistical significance of communities from weighted graphs. Scientific Reports, 2021, 11, 20304.	1.6	1
2567	An enhanced evolutionary approach for solving the community detection problem. Journal of Information and Telecommunication, 2022, 6, 83-100.	2.2	0
2568	CADUE: Content-Agnostic Detection of Unwanted Emails for Enterprise Security., 2021, , .		2
2569	Recurrent origin–destination network for exploration of human periodic collective dynamics. Transactions in GIS, 0, , .	1.0	3
2570	Systematic comparison of graph embedding methods in practical tasks. Physical Review E, 2021, 104, 044315.	0.8	9
2571	Social Network Community Detection by Combining Self-Organizing Maps and Genetic Algorithms. Complexity, 2021, 2021, 1-14.	0.9	2
2572	Multiscale Information Propagation in Emergent Functional Networks. Entropy, 2021, 23, 1369.	1.1	3
2573	Leveraging health systems data to characterize a large effect variant conferring risk for liver disease in Puerto Ricans. American Journal of Human Genetics, 2021, 108, 2099-2111.	2.6	4
2574	Network-driven analysis of human–Plasmodium falciparum interactome: processes for malaria drug discovery and extracting in silico targets. Malaria Journal, 2021, 20, 421.	0.8	7
2575	Determining the best algorithm to detect community structures in networks: application to power systems. Environment Systems and Decisions, 2022, 42, 251-264.	1.9	1

#	Article	IF	CITATIONS
2576	Modularity maximization as a flexible and generic framework for brain network exploratory analysis. Neurolmage, 2021, 244, 118607.	2.1	22
2577	A Study on the Subject-based Systematization of National Libraries in Korea. Journal of the Korean Society for Library and Information Science, 2009, 43, 5-27.	0.0	1
2578	A Parameter-Free Method for Discovering Generalized Clusters in a Network. Lecture Notes in Computer Science, 2011, , 135-149.	1.0	1
2579	On Community Detection in Very Large Networks. Communications in Computer and Information Science, 2011, , 208-216.	0.4	4
2580	Group Detection. , 2011, , 489-492.		0
2581	Innovations and Trends in Web Data Management. Studies in Computational Intelligence, 2011, , 1-18.	0.7	0
2584	Crowdsourcing Task Marketplaces. SpringerBriefs in Computer Science, 2012, , 7-30.	0.2	0
2586	The Phenomenology of Specialization of Criminal Suspects. SSRN Electronic Journal, 0, , .	0.4	0
2587	Social Network Analysis Techniques for Social-Oriented Mobile Communication Networks. , 2012, , 51-80.		0
2588	The High Degree Seeking Algorithms with k Steps for Complex Networks. Lecture Notes in Computer Science, 2012, , 615-623.	1.0	0
2589	Social and Communication Networks. Springer Theses, 2013, , 9-44.	0.0	0
2591	Community Discovering Based on Central Nodes of Social Networks. Lecture Notes in Electrical Engineering, 2013, , 291-303.	0.3	0
2592	Mobile Application Development in FLOSS Platform: A Collaborative Network Approach. Lecture Notes in Computer Science, 2013, , 228-236.	1.0	0
2593	Community Structure and Diffusion Dynamics on Networks. Springer Theses, 2013, , 73-92.	0.0	0
2594	On the Detectability of Node Grouping in Networks. , 2013, , .		0
2595	Extracting and Inferring Communities via Link Analysis. , 2014, , 517-525.		1
2596	Community Detection. Springer Theses, 2014, , 11-47.	0.0	0
2598	A Parallel and Scalable Framework for Non-overlapping Community Detection Algorithms. Lecture Notes in Computer Science, 2014, , 115-126.	1.0	0

#	Article	IF	CITATIONS
2599	Content+Context=Classification: Examining the Roles of Social Interactions and Linguist Content in Twitter User Classification. , 2014, , .		2
2600	Graph Partitioning and Eigenvalue Problems. The Brain & Neural Networks, 2014, 21, 162-169.	0.1	0
2601	Mining Social Interaction - Ubiquitous Sensors and Social Media. , 2014, , .		0
2602	Determining Leaders and Communities on Networks Using Neighborhood Similarity. Social Networking, 2014, 03, 50-57.	0.3	1
2603	Relative Validity Criteria for Community Mining Algorithms. , 2014, , 1562-1576.		2
2604	Modélisation multiniveau de la morphogenÃ"se de familles de citations. Revue Sciences/Lettres, 2014, , .	0.1	0
2606	Overlapping Community Detection by Local Community Gravitation in Social Networks. Journal of Networks, 2014, 9, .	0.4	1
2607	The anatomy of a human disease network. Xrds, 2014, 21, 58-60.	0.2	1
2609	Assessing Vertex Relevance based on Community Detection. , 2015, , .		2
2610	A Novel Algorithm Infomap-SA of Detecting Communities in Complex Networks. Journal of Communications, 2015, , .	1.3	7
2613	Tradeoff Between the Price of Distributing aÂDatabase and Its Collusion Resistance Based onÂConcatenated Codes. Lecture Notes in Computer Science, 2015, , 163-182.	1.0	0
2614	The implications of Wikipedia for contemporary science education. , 2015, , .		0
2615	Comparison of journal clustering methods based on citation structure. Journal of the Korean Data and Information Science Society, 2015, 26, 827-839.	0.0	1
2616	An evaluation of graph clustering methods for unsupervised term discovery. , 0, , .		16
2617	TeleLink: Link Prediction in Social Network Based on Multiplex Cohesive Structures. Lecture Notes in Computer Science, 2016, , 174-185.	1.0	0
2618	Scholarly Network Analysis., 2016, , 1-9.		0
2619	Detecting Communities by Sentiment Analysis of Controversial Topics. Lecture Notes in Computer Science, 2016, , 206-215.	1.0	2
2620	Risk Diffusion Modeling and Vulnerability Quantification on Japanese Human Mobility Network from Complex Network Analysis Point of View. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	0

#	Article	IF	CITATIONS
2621	Prototype Synthesis for Model Laws. , 2016, , .		1
2622	Design for digital repositories: Conceptualizing new communicative paradigms to filter and visualize scientific contents. AusArt, 2016, 4, 237-250.	0.1	0
2624	A Study on the Designation of Living Zones by Its Spatial Hierarchy Using OD Data and Community Detection Technique: Focused on the 2010 Household Travel Survey Data of the Seoul Metropolitan Area. Journal of Korea Planning Association, 2016, 51, 79-98.	0.2	8
2626	High quality multi-core multi-level algorithm for community detection. International Journal of Computational Science and Engineering, 2017, 15, 311.	0.4	0
2627	Group Detection. , 2017, , 603-607.		0
2628	Relative Validity Criteria for Community Mining Algorithms. , 2017, , 1-15.		0
2629	Small Communities in Social Networks. , 2017, , 1-6.		0
2630	Network Community Discovery with Evolutionary Multi-objective Optimization. , 2017, , 73-134.		0
2631	Some Other Applications in Community Graph under the Preview of Social Graph Using Graph-Mining Techniques. Advances in Data Mining and Database Management Book Series, 2017, , 223-283.	0.4	0
2633	Extracting and Inferring Communities Via Link Analysis. , 2017, , 1-9.		0
2635	Network Community Discovery with Evolutionary Single-Objective Optimization., 2017,, 21-72.		0
2636	Survival analysis for modeling critical events that communities may undergo in dynamic social networks. , 2017, , .		2
2637	Big Data to Big Knowledge for Next Generation Medicine: A Data Science Roadmap. Studies in Big Data, 2018, , 371-399.	0.8	0
2639	Approximation of Nash equilibria and the network community structure detection problem. PLoS ONE, 2017, 12, e0174963.	1.1	2
2641	Brain Neuron Network Extraction and Analysis of Live Mice from Imaging Videos. International Journal of Multimedia Data Engineering and Management, 2017, 8, 1-20.	0.3	0
2643	Marketingwissen im Praxis-Transfer – BeitrĀ g e des Instituts fýr Handel, Absatz und Marketing in den letzten 50 Jahren durch Diplom- und Masterarbeiten. , 2017, , 85-106.		0
2645	Sampling as a Method of Comparing Real andÂGenerated Networks. Advances in Intelligent Systems and Computing, 2018, , 117-127.	0.5	0
2647	Boundary Spanning Lurking. SpringerBriefs in Computer Science, 2018, , 67-76.	0.2	0

#	Article	IF	CITATIONS
2648	A Degenerate Agglomerative Hierarchical Clustering Algorithm for Community Detection. Lecture Notes in Computer Science, 2018, , 234-242.	1.0	4
2649	FCReducer: Locating Symmetric Cryptographic Functions on the Memory. IEICE Transactions on Information and Systems, 2018, E101.D, 685-697.	0.4	0
2650	Partitioning of Complex Networks for Heterogeneous Computing. Advances in Computer and Electrical Engineering Book Series, 2018, , 88-112.	0.2	0
2651	Community Structure Characterization. , 2018, , 371-383.		0
2652	Small Communities in Social Networks. , 2018, , 2538-2544.		0
2653	Community Structure of Business Establishments and Its Property: Evidence from Joint Application of Patent. SSRN Electronic Journal, 0, , .	0.4	0
2654	Distinct Sets of Internal, External, and Control Connector Hubs Integrate Human Brain Function. SSRN Electronic Journal, 0, , .	0.4	1
2655	Spatial and Temporal Organization of the Individual Human Cerebellum. SSRN Electronic Journal, 0, , .	0.4	2
2658	Hubs defined with participation coefficient metric altered following acute mTBI., 2018,,.		0
2661	A similarity based agglomerative clustering algorithm in networks. , 2018, , .		0
2672	Evaluating the Natural Variability in Generative Models for Complex Networks. Studies in Computational Intelligence, 2019, , 743-754.	0.7	0
2674	Detecting Aberrant Linking Behavior in Directed Networks. , 2019, , .		0
2675	Analyzing Policy-Making III: Digital Network Analysis. , 2019, , 493-508.		1
2677	Fundamental Structures in Temporal Communication Networks. Computational Social Sciences, 2019, , 25-48.	0.4	9
2678	Probabilistic Graphical Model Based Highly Scalable Directed Community Detection Algorithm. Lecture Notes in Computer Science, 2019, , 322-340.	1.0	0
2679	Unveiling Latent Relations in the Photonics Techno-Economic Complex System. Communications in Computer and Information Science, 2019, , 72-90.	0.4	1
2680	Clusters of Investors Around Initial Public Offering. SSRN Electronic Journal, 0, , .	0.4	1
2681	Continuous-Time Random Walks and Temporal Networks. Computational Social Sciences, 2019, , 219-233.	0.4	0

#	Article	IF	CITATIONS
2682	N2TM: A New Node to Trust Matrix Method for Spam Worker Defense in Crowdsourcing Environments. Lecture Notes in Computer Science, 2019, , 119-134.	1.0	0
2683	Multi-level Graph Drawing Using Infomap Clustering. Lecture Notes in Computer Science, 2019, , 139-146.	1.0	3
2684	Stratification-Oriented Analysis of Community Structure in Networks of Face-to-Face Proximity. Lecture Notes in Computer Science, 2019, , 28-43.	1.0	0
2693	An Approach for Video Summarization Using Graph-Based Clustering Algorithm. Advances in Intelligent Systems and Computing, 2020, , 991-998.	0.5	0
2696	Overlapping community detection algorithm based on improved KNN. Journal of Intelligent and Fuzzy Systems, 2019, , 1-8.	0.8	0
2697	Community Detection Based on Improved Bee Evolutionary Genetic Algorithm. Advances in Intelligent Systems and Computing, 2020, , 183-196.	0.5	0
2698	Scalable Community Identification with Manifold Learning on Speaker I-Vector Space. IEICE Transactions on Information and Systems, 2019, E102.D, 2004-2012.	0.4	0
2700	"Learning Hubs―on the Global Innovation Network. Studies in Computational Intelligence, 2020, , 620-632.	0.7	2
2701	Analysis of Students' Performance in an Online Discussion Forum: A Social Network Approach. Lecture Notes in Networks and Systems, 2020, , 670-680.	0.5	1
2705	Building Relatively Small Settlements' Capability for Disaster Response by a Human Dynamics-based Crowd-sourced Real-time Information Sharing System. , 0, , .		0
2706	Multilayer Network Analysis of Innovation Intermediaries' Activities. Lecture Notes in Social Networks, 2020, , 193-208.	0.8	1
2708	SPATIAL AND TEMPORAL COMMUNITY DETECTION OF CAR MOBILITY NETWORK IN METRO MANILA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W19, 101-108.	0.2	0
2709	Community of Establishment Networks. Evolutionary Economics and Social Complexity Science, 2020, , 83-92.	0.4	0
2710	Identifying genuine protein–protein interactions within communities of gene coâ€expression networks using a deconvolution method. IET Systems Biology, 2019, 13, 290-296.	0.8	2
2712	Generating High-quality Synthetic Graphs for Community Detection in Social Networks., 2020,,.		1
2713	Quantifying Community Detection Algorithms in Student Networks of Book Borrowing via Demographic Characterists. Communications in Computer and Information Science, 2020, , 346-353.	0.4	0
2715	Applicability of fuzzy algorithms for analysis of motion in granular media. AIP Conference Proceedings, 2020, , .	0.3	0
2718	A graph theory approach to analyze birth defect associations. PLoS ONE, 2020, 15, e0233529.	1.1	3

#	Article	IF	CITATIONS
2720	Discrete-time quantum walk on complex networks for community detection. Physical Review Research, 2020, 2, .	1.3	14
2723	Applications of Community Detection Algorithms to Large Biological Datasets. Methods in Molecular Biology, 2021, 2243, 59-80.	0.4	2
2724	FOX. ACM Transactions on Social Computing, 2020, 3, 1-23.	1.7	2
2725	A Skeleton-based Community Detection Algorithm for Directed Networks. , 2020, , .		2
2727	Drawing Graphs on the Sphere. , 2020, , .		6
2728	Species limits and phylogeographic structure in two genera of solitary African mole-rats Georychus and Heliophobius. Molecular Phylogenetics and Evolution, 2021, 167, 107337.	1.2	7
2729	Sectoral productivity convergence, input-output structure and network communities in Japan. Structural Change and Economic Dynamics, 2021, 59, 582-599.	2.1	5
2730	Detecting Communities from Heterogeneous Graphs. , 2021, , .		24
2731	Urban Nodal Regions Through Communities of Functionally Critical Locations in the Transportation Network. New Frontiers in Regional Science: Asian Perspectives, 2020, , 293-311.	0.1	0
2732	The Analysis of Community Travel Behaviors Based on Big Trajectory Data. , 0, , .		0
2734	Dynamic Analysis of the Global Financial Network. , 2020, , .		0
2735	Identification and Prediction of Emerging Topics through Their Relationships to Existing Topics. , 2020, , .		5
2736	Discovering Communities with SGNS Modelling-based Network connections and Text communications Clustering. , 2020, , .		1
2737	Graph Clustering with Embedding Propagation. , 2020, , .		1
2738	Tweeting Russian Politics: Studying Online Political Dynamics. , 2021, , 537-567.		0
2739	Research on semiâ€supervised community discovery algorithm based on new annealing. Journal of Engineering, 2020, 2020, 1149-1154.	0.6	3
2740	Emergence of complex socioeconomic networks driven by individual and collective interests. Physical Review Research, 2020, 2, .	1.3	3
2741	Proximity, Communities, and Attributes in Social Network Visualisation., 2020, , .		0

#	Article	IF	CITATIONS
2743	Random walks in time-varying networks with memory. Physical Review E, 2020, 102, 062309.	0.8	6
2744	Community Detection in Static and Dynamic Social Networks. , 2020, , .		O
2745	Mapping flows on weighted and directed networks with incomplete observations. Journal of Complex Networks, $2021, 9, \ldots$	1.1	4
2746	Bioregions of Eastern Brazil, Based on Vascular Plant Occurrence Data. Fascinating Life Sciences, 2020, , 475-494.	0.5	6
2747	Network Community Detection. , 2020, , 71-101.		0
2748	Even Better Fixed-Parameter Algorithms for Bicluster Editing. Lecture Notes in Computer Science, 2020, , 578-590.	1.0	1
2749	Review Trade: Everything Is Free in Incentivized Review Groups. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 339-359.	0.2	0
2750	Comparing Community Detection Methods in Brain Functional Connectivity Networks. Communications in Computer and Information Science, 2020, , 3-17.	0.4	1
2751	Discovery of Customer Communities – Evaluation Aspects. Lecture Notes in Business Information Processing, 2020, , 177-191.	0.8	0
2752	Network Analysis of Large-Scale Data and Its Application to Immunology. Methods in Molecular Biology, 2020, 2131, 199-211.	0.4	1
2755	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
2756	Nestedness Temperature in the Agent-Artifact Space: Emergence of Hierarchical Order in the 2000–2014 Photonics Techno-Economic Complex System. Communications in Computer and Information Science, 2020, , 134-144.	0.4	0
2757	Network-Based Delineation of Health Service Areas: A Comparative Analysis of Community Detection Algorithms. Springer Proceedings in Complexity, 2020, , 359-370.	0.2	2
2758	Money Flow Network Among Firms' Accounts in a Regional Bank of Japan. SSRN Electronic Journal, O, ,	0.4	1
2759	Towards a Generic Approach for PoS-Tagwise Lexical Similarity of Languages. Communications in Computer and Information Science, 2020, , 493-501.	0.4	0
2762	Measuring the effect of node aggregation on community detection. EPJ Data Science, 2020, 9, .	1.5	4
2763	Epidemiological Characterization of a Directed and Weighted Disease Network Using Data From a Cohort of One Million Patients: Network Analysis. Journal of Medical Internet Research, 2020, 22, e15196.	2.1	2
2764	ANDRuspex: Leveraging Graph Representation Learning to Predict Harmful App Installations on Mobile Devices. , 2021, , .		O

#	Article	IF	CITATIONS
2765	From Object to Flow: Network Sensibility, Symbolic Interactionism, and Social Media. Studies in Symbolic Interaction, 2014, , 7-41.	0.3	0
2766	CR-Graph., 2020,,.		2
2768	An horizon scan of biogeography. Frontiers of Biogeography, 2013, 5, .	0.8	3
2769	Examining the Distribution, Modularity, and Community Structure in Article Networks for Systematic Reviews. AMIA Annual Symposium proceedings, 2015, 2015, 1927-36.	0.2	4
2770	Significance-based community detection in weighted networks. Journal of Machine Learning Research, 2018, 18, .	62.4	2
2771	Community Extraction in Multilayer Networks with Heterogeneous Community Structure. Journal of Machine Learning Research, 2017, 18, 5458-5506.	62.4	5
2772	Semantic Trajectory Clustering via Improved Label Propagation With Core Structure. IEEE Sensors Journal, 2022, 22, 639-650.	2.4	5
2773	Robustness, replicability and scalability in topic modelling. Journal of Informetrics, 2022, 16, 101224.	1.4	9
2774	Digraph Clustering by the BlueRed Method. , 2021, , .		2
2775	HyPC-Map: A Hybrid Parallel Community Detection Algorithm Using Information-Theoretic Approach. , 2021, , .		3
2776	Brain Tumor Segmentation using Community Detection Algorithm. , 2021, , .		3
2777	Edge Clustering Coefficient based Label Initialization for Label Propagation Algorithm to Detect Community Structures in Complex Networks. , 2021, , .		0
2778	GAKG: A Multimodal Geoscience Academic Knowledge Graph. , 2021, , .		9
2779	Community detection in complex network by network embedding and density clustering. Journal of Intelligent and Fuzzy Systems, 2021, 41, 6273-6284.	0.8	2
2780	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
2781	From One ToÂMany: Identifying Issues in CJEU Jurisprudence. Journal of Law and Courts, 0, , .	0.4	0
2782	Community membership consistency applied to corporate board interlock networks. Journal of Computational Social Science, 0 , 1 .	1.4	0
2783	Community reinforcement: An effective and efficient preprocessing method for accurate community detection. Knowledge-Based Systems, 2022, 237, 107741.	4.0	2

#	Article	IF	CITATIONS
2784	Improving the stability of label propagation algorithm by propagating from low-significance nodes for community detection in social networks. Computing (Vienna/New York), 2022, 104, 21-42.	3.2	5
2785	Community detection in large scale congested urban road networks. PLoS ONE, 2021, 16, e0260201.	1.1	5
2786	Bioregions are predominantly climatic for fishes of northern lakes. Global Ecology and Biogeography, 2022, 31, 233-246.	2.7	5
2787	DPNLP: distance based peripheral nodes label propagation algorithm for community detection in social networks. World Wide Web, 2022, 25, 73-98.	2.7	10
2788	The diversity and multiplexity of edge communities within and between brain systems. Cell Reports, 2021, 37, 110032.	2.9	25
2789	Strategizing COVID-19 lockdowns using mobility patterns. Royal Society Open Science, 2021, 8, 210865.	1.1	4
2790	A Comprehensive Review on Deep Learning-Based Community Detection in Networks. Lecture Notes in Electrical Engineering, 2022, , 567-579.	0.3	0
2791	Appearance and disappearance rates of Phanerozoic marine animal paleocommunities. Geology, 2022, 50, 341-345.	2.0	2
2793	On the Statistical Significance of a Community Structure. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	0
2794	Recursive Merged Community Detection Algorithm Based on Node Cluster. Lecture Notes in Computer Science, 2021, , 289-302.	1.0	0
2796	Complex Networks in Manufacturing and Logistics: A Retrospect. , 2021, , 57-70.		0
2797	Synwalk: community detection via random walk modelling. Data Mining and Knowledge Discovery, 2022, 36, 739-780.	2.4	5
2798	Network Structure and Community Evolution Online: Behavioral and Emotional Changes in Response to COVID-19. Frontiers in Public Health, 2021, 9, 813234.	1.3	5
2799	Filtering respiratory motion artifact from resting state fMRI data in infant and toddler populations. NeuroImage, 2022, 247, 118838.	2.1	9
2800	When Less Is More: Systematic Analysis of Cascade-Based Community Detection. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-22.	2.5	4
2801	A Discrete Random Drift Particle Swarm Optimization with Modularity in Community Detection. , 2020,		0
2802	Centralities in Complex Networks. , 2021, , 1-11.		1
2803	The Association of Shared Care Networks With 30-Day Heart Failure Excessive Hospital Readmissions: Longitudinal Observational Study. Jmirx Med, 2022, 3, e30777.	0.2	3

#	Article	IF	CITATIONS
2804	Text Classification Using XLNet with Infomap Automatic Labeling Process., 2021,,.		1
2805	Finding the Relevance Between Publication Venues Based on Research Trend Similarity and Citation Relationships., 2021,,.		O
2806	A Literature Survey on Label Propagation for Community Detection. , 2021, , .		2
2807	Distinct Functional and Metabolic Alterations of DMN Subsystems in Alzheimer's Disease: A Simultaneous FDG-PET/fMRI Study. , 2021, 2021, 3443-3446.		5
2809	eRiskCom: an e-commerce risky community detection platform. VLDB Journal, 2022, 31, 1085-1101.	2.7	10
2810	Seasonal temperature regulates network connectivity of salmon louse. ICES Journal of Marine Science, 2022, 79, 1075-1082.	1.2	4
2811	Global biogeography of the lower bathyal (700–3000Âm) as determined from the distributions of cnidarian anthozoans. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 181, 103703.	0.6	5
2814	Knowledge Mapping of Optimal Taxation Studies: A Bibliometric Analysis and Network Visualization. Sustainability, 2022, 14, 1043.	1.6	14
2815	MGcount: a total RNA-seq quantification tool to address multi-mapping and multi-overlapping alignments ambiguity in non-coding transcripts. BMC Bioinformatics, 2022, 23, 39.	1.2	6
2816	Statistical physics of network structure and information dynamics. Journal of Physics Complexity, 2022, 3, 011001.	0.9	6
2817	MINC-NRL: An Information-Based Approach for Community Detection. Algorithms, 2022, 15, 20.	1.2	4
2818	Protein complexes detection based on node local properties and gene expression in PPI weighted networks. BMC Bioinformatics, 2022, 23, 24.	1.2	5
2821	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
2823	Unfolding Community Homophily in U.S. Metropolitans Via Fine-Grained Mobile Phone Location Data. SSRN Electronic Journal, 0, , .	0.4	O
2824	What's the problem? How crowdsourcing and textâ€mining may contribute to the understanding of unprecedented problems such as COVIDâ€19. R and D Management, 2022, 52, 427-446.	3.0	4
2825	Community Deception in Networks: Where We Are and Where We Should Go. Studies in Computational Intelligence, 2022, , 144-155.	0.7	5
2826	On the Importance of Being Flexible: Dynamic Brain Networks and Their Potential Functional Significances. Frontiers in Systems Neuroscience, 2021, 15, 688424.	1.2	13
2828	A survey of the application of graph-based approaches in stock market analysis and prediction. International Journal of Data Science and Analytics, 2022, 14, 1-15.	2.4	16

#	Article	IF	CITATIONS
2829	MCRWR: a new method to measure the similarity of documents based on semantic network. BMC Bioinformatics, 2022, 23, 56.	1.2	1
2830	Label propagation algorithm for community detection based on Coulomb's law. Physica A: Statistical Mechanics and Its Applications, 2022, 593, 126881.	1.2	10
2831	CenGCN: Centralized Convolutional Networks with Vertex Imbalance for Scale-Free Graphs. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1 -1.	4.0	10
2832	Distribution patterns of Triatominae (Hemiptera: Reduviidae) in the Americas: an analysis based on networks and endemicity. Cladistics, 2022, 38, 563-581.	1.5	2
2834	Network Analysis of Time Series: Novel Approaches to Network Neuroscience. Frontiers in Neuroscience, 2021, 15, 787068.	1.4	12
2836	Load profile mining using directed weighted graphs with application towards demand response management. Applied Energy, 2022, 311, 118578.	5.1	4
2839	How to Protect Ourselves From Overlapping Community Detection in Social Networks. IEEE Transactions on Big Data, 2022, 8, 894-904.	4.4	5
2840	A Comprehensive Survey on Community Detection With Deep Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, PP, 1-21.	7.2	129
2841	Biogeographic Regionalization: Freshwater., 2024, , 543-553.		0
2842	Attacking Community Detectors: Mislead Detectors viaÂManipulating theÂGraph Structure. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 112-128.	0.2	3
2843	A Neighbour-Similarity Based Community Discovery Algorithm. SSRN Electronic Journal, 0, , .	0.4	1
2844	Bibliometric and Visualized Analysis of User Experience Design Research: From 1999 to 2019. SAGE Open, 2022, 12, 215824402210872.	0.8	4
2847	A Fast Local Balanced Label Diffusion Algorithm for Community Detection in Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 5472-5484.	4.0	15
2848	Disrupted coupling between salience network segregation and glucose metabolism is associated with cognitive decline in Alzheimer's disease – A simultaneous resting-state FDG-PET/fMRI study. NeuroImage: Clinical, 2022, 34, 102977.	1.4	17
2850	Social Paleontology on Twitter: A Case Study of Topic Archetypes, Network Composition, and Structure. Social Media and Society, 2022, 8, 205630512210804.	1.5	0
2851	HiCBin: binning metagenomic contigs and recovering metagenome-assembled genomes using Hi-C contact maps. Genome Biology, 2022, 23, 63.	3.8	20
2852	Constraining Functional Coactivation with a Cluster-based Structural Connectivity Network. Network Neuroscience, 0, , 1-55.	1.4	4
2853	Representative community divisions of networks. Communications Physics, 2022, 5, .	2.0	9

#	Article	IF	CITATIONS
2854	NOCD: a new overlapping community detection algorithm based on improved KNN. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 3053-3063.	3.3	3
2856	Desert lizard diversity worldwide: Effects of environment, time, and evolutionary rate. Global Ecology and Biogeography, 2022, 31, 776-790.	2.7	11
2857	Network-Based Differences in the Vaginal and Bladder Microbial Communities Between Women With and Without Urgency Urinary Incontinence. Frontiers in Cellular and Infection Microbiology, 2022, 12, 759156.	1.8	12
2859	TSCDA: a dynamic two-stage community discovery approach. Social Network Analysis and Mining, 2022, 12, 1.	1.9	0
2861	Dynamic community detection based on the Matthew effect. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127315.	1.2	5
2862	Functional Connectivity of the Brain Across Rodents and Humans. Frontiers in Neuroscience, 2022, 16, 816331.	1.4	22
2863	Proteome-centric cross-omics characterization and integrated network analyses of triple-negative breast cancer. Cell Reports, 2022, 38, 110460.	2.9	13
2864	HiAtGang: How to Mine the Gangs Hidden Behind DDoS Attacks. Chinese Journal of Electronics, 2022, 31, 293-303.	0.7	0
2865	Physiological Network Is Disrupted in Severe COVID-19. Frontiers in Physiology, 2022, 13, 848172.	1.3	7
2866	Social cognitive network neuroscience. Social Cognitive and Affective Neuroscience, 2022, 17, 510-529.	1.5	8
2867	Ranking of communities in multiplex spatiotemporal models of brain dynamics. Applied Network Science, 2022, 7, 15.	0.8	0
2868	The Power of School Conditions: Individual, Relational, and Organizational Influences on Educator Wellbeing. Frontiers in Psychology, 2022, 13, 775614.	1.1	7
2869	Molecular Hydrogen Enhances Proliferation of Cancer Cells That Exhibit Potent Mitochondrial Unfolded Protein Response. International Journal of Molecular Sciences, 2022, 23, 2888.	1.8	12
2871	Role of mobile genetic elements in the global dissemination of the carbapenem resistance gene blaNDM. Nature Communications, 2022, 13, 1131.	5.8	72
2872	A new insight to the analysis of co-authorship in Google Scholar. Applied Network Science, 2022, 7, .	0.8	2
2873	A new feature selection method based on feature distinguishing ability and network influence. Journal of Biomedical Informatics, 2022, 128, 104048.	2.5	9
2874	Asymptotically efficient estimators for stochastic blockmodels: The naive MLE, the rank-constrained MLE, and the spectral estimator. Bernoulli, 2022, 28, .	0.7	7
2875	Disintegrating constant communities in complex networks. Journal of Computational Science, 2022, 61, 101634.	1.5	1

#	Article	IF	CITATIONS
2876	Evolution characters and regulation impacts within the global scrap rubber trade network. Resources, Conservation and Recycling, 2022, 181, 106201.	5.3	7
2877	Influence percolation method for overlapping community detection. Physica A: Statistical Mechanics and Its Applications, 2022, 596, 127103.	1.2	5
2878	An algorithm for network community structure determination by surprise. Physica A: Statistical Mechanics and Its Applications, 2022, 595, 127063.	1.2	3
2879	DeMal: Module decomposition of malware based on community discovery. Computers and Security, 2022, 117, 102680.	4.0	1
2880	Evaluating community quality based on ground-truth. Information Sciences, 2022, 599, 104-126.	4.0	0
2881	Impact of the COVID-19 pandemic on urban human mobility - A multiscale geospatial network analysis using New York bike-sharing data. Cities, 2022, 126, 103677.	2.7	34
2882	Overlapping Community Detection Based on Node Correlation in Directed Complex Networks., 2021,,.		0
2883	A Vulnerability Identification Method of Power System Based on Infomap Community Discovery Algorithm. , 2021, , .		0
2884	Peeking into the Gray Area of Mobile World: An Empirical Study of Unlabeled Android Apps., 2021,,.		2
2885	Constant community identification in million scale networks using image thresholding algorithms. , 2021, , .		1
2886	Identifying influential nodes using overlapping modularity vitality., 2021,,.		2
2887	Delineating the Spatial Boundaries of Megaregions in China: A City Network Perspective. Complexity, 2021, 2021, 1-10.	0.9	33
2889	The evolution of regional spatial structure influenced by passenger rail service: A case study of the Yangtze River Delta. Growth and Change, 2022, 53, 651-679.	1.3	3
2890	Comparative Analysis of Community Detection Methods for Link Failure Recovery in Software Defined Networks., 2021,,.		1
2891	Inpatinets' FWA Detection: Mismatch between the Clinical Path and Medical Condition., 2021,,.		0
2892	PASCAL-G: a Probabilistic Stream Clustering Analysis on Graphs. , 2021, , .		0
2893	Identification of collective particle motion in a rotating drum using a graph community detection algorithm. Mathematical Methods in the Applied Sciences, 0, , .	1.2	0
2894	A Prospective Evaluation of Infant Cerebellar-Cerebral Functional Connectivity in Relation to Behavioral Development in Autism Spectrum Disorder. Biological Psychiatry Global Open Science, 2023, 3, 149-161.	1.0	3

#	Article	IF	CITATIONS
2895	Phylogenomic and Microsynteny Analysis Provides Evidence of Genome Arrangements of High-Affinity Nitrate Transporter Gene Families of Plants. International Journal of Molecular Sciences, 2021, 22, 13036.	1.8	6
2896	Chaos in nonlinear random walks with nonmonotonic transition probabilities. Physical Review Research, 2021, 3, .	1.3	5
2897	\$\${ext{COSNet}}_i\$\$: ComplexOme-Structural Network Interpreter used to study spatial enrichment in metazoan ribosomes. BMC Bioinformatics, 2021, 22, 605.	1.2	2
2898	The Reasonable Effectiveness of Randomness in Scalable and Integrative Gene Regulatory Network Inference and Beyond. Computation, 2021, 9, 146.	1.0	0
2899	LDA-LPA: A Community Detection Method Based on Topic Model. , 2021, , .		0
2900	A Modular Framework for Centrality and Clustering in Complex Networks. IEEE Access, 2022, 10, 40001-40026.	2.6	0
2901	Research on Dynamic Community Detection Method Based on an Improved Pity Beetle Algorithm. IEEE Access, 2022, 10, 43914-43933.	2.6	4
2902	Bipartite network models to design combination therapies in acute myeloid leukaemia. Nature Communications, 2022, 13, 2128.	5.8	15
2903	Overlapping communities detection based on cluster-ability optimization. Neurocomputing, 2022, , .	3.5	1
2904	A clustering-based topic model using word networks and word embeddings. Journal of Big Data, 2022, 9, .	6.9	6
2905	Clustering as a dual problem to colouring. Computational and Applied Mathematics, 2022, 41, 1.	1.0	0
2906	A complex network community detection algorithm based on random walk and label propagation. Transactions on Emerging Telecommunications Technologies, 0, , .	2.6	1
2907	Diagnosis-informed connectivity subtyping discovers subgroups of autism with reproducible symptom profiles. Neurolmage, 2022, 256, 119212.	2.1	6
2908	Multidisciplinary perspectives and field strengthening questions for gifted education research. High Ability Studies, 2023, 34, 39-59.	1.0	1
2909	Finite-Time Synchronization of uncertain fractional-order multi-weighted complex networks with external disturbances via adaptive quantized control. Chinese Physics B, O, , .	0.7	0
2910	Community detection through vector-label propagation algorithms. Chaos, Solitons and Fractals, 2022, 158, 112066.	2.5	7
2958	Network-specific selectivity of functional connections in the neonatal brain. Cerebral Cortex, 2023, 33, 2200-2214.	1.6	13
2959	Community Detection Based on Fish School Effect. IEEE Access, 2022, 10, 48523-48538.	2.6	3

#	Article	IF	CITATIONS
2960	Rearranging 'indivisible' blocks for community detection. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	0
2961	A Novel Efficient Method for Tracking Evolution of Communities in Dynamic Networks. IEEE Access, 2022, 10, 46276-46290.	2.6	1
2962	Impact of Finite Size Effect on Applicability of Generalized Fractal and Spectral Dimensions to Biological Networks. SSRN Electronic Journal, 0, , .	0.4	0
2964	Active Index: An Integrated Index to Reveal Disrupted Brain Network Organizations of Major Depressive Disorder Patients. , 2022, , .		0
2965	CGC: Contrastive Graph Clustering forCommunity Detection and Tracking. , 2022, , .		10
2966	A high-performance algorithm for finding influential nodes in large-scale social networks. Journal of Supercomputing, 0, , .	2.4	O
2967	A deep siamese neural network improves metagenome-assembled genomes in microbiome datasets across different environments. Nature Communications, 2022, 13, 2326.	5.8	47
2968	An Information-Theoretic Approach for Detecting Community Structure Based on Network Representation. Applied Sciences (Switzerland), 2022, 12, 4203.	1.3	O
2969	Universality of political corruption networks. Scientific Reports, 2022, 12, 6858.	1.6	8
2970	Connectivity networks and delineation of disconnected coastal provinces along the Indian coastline using largeâ€scale Lagrangian transport simulations. Limnology and Oceanography, 0, , .	1.6	2
2971	Benefits and Challenges of Pre-clustered Network-Based Pathway Analysis. Frontiers in Genetics, 2022, 13, .	1.1	2
2972	Robustness modularity in complex networks. Physical Review E, 2022, 105, .	0.8	3
2973	PISA data clusters reveal student and school inequality that affects results. PLoS ONE, 2022, 17, e0267040.	1.1	3
2974	Label specificity attack: Change your label as I want. International Journal of Intelligent Systems, 2022, 37, 7767-7786.	3.3	4
2975	Flow stability for dynamic community detection. Science Advances, 2022, 8, eabj3063.	4.7	5
2976	Random walks on complex networks under node-dependent stochastic resetting. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 053201.	0.9	10
2977	Delineation of Cancer Service Areas Anchored by Major Cancer Centers in the United States. Cancer Research Communications, 2022, 2, 380-389.	0.7	1
2978	Lowland plant arrival in alpine ecosystems facilitates a decrease in soil carbon content under experimental climate warming. ELife, 2022, 11, .	2.8	4

#	Article	IF	CITATIONS
2979	Comparative evaluation of community-aware centrality measures. Quality and Quantity, 2023, 57, 1273-1302.	2.0	13
2980	Social networks of the greater horseshoe bat during the hibernation season: a landscape-scale case study. Animal Behaviour, 2022, 188, 25-34.	0.8	1
2981	The Network Structure of Occupations: Fragmentation, Differentiation, and Contagion. American Journal of Sociology, 2022, 127, 1551-1601.	0.3	4
2982	Prediction of robust scientific facts from literature. Nature Machine Intelligence, 2022, 4, 445-454.	8.3	7
2983	Weighted network motifs as random walk patterns. New Journal of Physics, 2022, 24, 053056.	1.2	1
2984	Kan netwerkanalyse tot betere herindelingsvoorstellen leiden?. Beleidsonderzoek Online, 2014, , .	0.5	0
2986	Centralities in Complex Networks. , 2022, , 599-609.		0
2987	SpecRp: A spectral-based community embedding algorithm. Machine Learning With Applications, 2022, 9, 100326.	3.0	1
2988	Isolate sets partition benefits community detection of parallel Louvain method. Scientific Reports, 2022, 12, 8248.	1.6	5
2989	Interdisciplinary Research as a Complicated System. International Journal of Qualitative Methods, The, 2022, 21, 160940692211003.	1.3	5
2990	Mining Statistically Significant Communities from Weighted Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	1
2991	Revealing the Organization of Catalytic Sequence-Defined Oligomers via Combined Molecular Dynamics Simulations and Network Analysis. Journal of Chemical Information and Modeling, 2022, 62, 2761-2770.	2.5	5
2992	SSPCO: A new particle propagation model for community detection in complex network. Modern Physics Letters B, O, , .	1.0	1
2993	Network communication models narrow the gap between the modular organization of structural and functional brain networks. Neurolmage, 2022, 257, 119323.	2.1	32
2994	Influential Factors of Intercity Patient Mobility and its Network Structure in China. SSRN Electronic Journal, 0, , .	0.4	0
2995	Detecting mesoscale structures by surprise. Communications Physics, 2022, 5, .	2.0	3
2996	Network Representation Learning With Community Awareness and Its Applications in Brain Networks. Frontiers in Physiology, 2022, 13, .	1.3	0
2997	The dialect chain of the Timor-Alor-Pantar language family. Language Dynamics and Change, 2022, 12, 274-326.	0.4	3

#	Article	IF	CITATIONS
2999	Infant Visual Brain Development and Inherited Genetic Liability in Autism. American Journal of Psychiatry, 2022, 179, 573-585.	4.0	14
3000	Evolution Analysis of Ecological Networks Based on Spatial Distribution Data of Land Use Types Monitored by Remote Sensing in Wuhan Urban Agglomeration, China, from 2000 to 2020. Remote Sensing, 2022, 14, 2618.	1.8	10
3001	Potts model solver based on hybrid physical and digital architecture. Communications Physics, 2022, 5,	2.0	7
3002	How Have Astronomers Cited Other Fields in the Last Decade?. Research Notes of the AAS, 2022, 6, 113.	0.3	1
3005	Explainable, Stable, and Scalable Network Embedding Algorithms for Unsupervised Learning of Graph Representations. IEEE Transactions on Computational Social Systems, 2022, , 1-18.	3.2	0
3007	A Community Detection Algorithm Based on Correlation Analysis of Connection Pattern. , 2022, , .		1
3008	Collusion-Resistant Worker Set Selection for Transparent and Verifiable Voting. SN Computer Science, 2022, 3, .	2.3	0
3009	Late Holocene anthropogenic landscape change in northwestern Europe impacted insect biodiversity as much as climate change did after the last Ice Age. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	1.2	6
3010	Reorganized Hubs of Brain Functional Networks after Acute Mild Traumatic Brain Injury. Journal of Neurotrauma, 2023, 40, 63-73.	1.7	3
3011	Graph-Community-Enabled Personalized Course-Job Recommendations with Cross-Domain Data Integration. Sustainability, 2022, 14, 7439.	1.6	4
3013	Social Network Analysis: A Survey on Measure, Structure, Language Information Analysis, Privacy, and Applications. ACM Transactions on Asian and Low-Resource Language Information Processing, 2023, 22, 1-47.	1.3	3
3014	Information consumption and boundary spanning in Decentralized Online Social Networks: The case of Mastodon users. Online Social Networks and Media, 2022, 30, 100220.	2.3	7
3015	Resting-state functional connectivity identifies individuals and predicts age in 8-to-26-month-olds. Developmental Cognitive Neuroscience, 2022, 56, 101123.	1.9	7
3016	A longitudinal study of functional connectome uniqueness and its association with psychological distress in adolescence. Neurolmage, 2022, 258, 119358.	2.1	7
3017	Importance of Numerical Implementation and Clustering Analysis in Force-Directed Algorithms for Accurate Community Detection. Applied Mathematics and Computation, 2022, 431, 127310.	1.4	0
3018	Community detection over feature-rich information networks: An eHealth case study. Information Systems, 2022, 109, 102092.	2.4	6
3019	Community detection using Local Group Assimilation. Expert Systems With Applications, 2022, 206, 117794.	4.4	1
3020	A neighbour-similarity based community discovery algorithm. Expert Systems With Applications, 2022, 206, 117822.	4.4	4

#	Article	IF	CITATIONS
3022	Applying Synteny Networks (SynNet) to Study Genomic Arrangements of Protein-Coding Genes in Plants. Methods in Molecular Biology, 2022, , 199-215.	0.4	2
3023	Constant community identification in million-scale networks. Social Network Analysis and Mining, 2022, 12, .	1.9	0
3024	A review of clique-based overlapping community detection algorithms. Knowledge and Information Systems, 2022, 64, 2023-2058.	2.1	3
3025	Network-medicine framework for studying disease trajectories in U.S. veterans. Scientific Reports, 2022, 12, .	1.6	5
3026	The minimum description length principle for pattern mining: a survey. Data Mining and Knowledge Discovery, 2022, 36, 1679-1727.	2.4	6
3027	Identification of Metropolitan Area Boundaries Based on Comprehensive Spatial Linkages of Cities: A Case Study of the Beijing–Tianjin–Hebei Region. ISPRS International Journal of Geo-Information, 2022, 11, 396.	1.4	4
3028	Higher-order interaction learning of line failure cascading in power networks. Chaos, 2022, 32, .	1.0	7
3029	Identifying oil market states based on structure and evolution of the international crude oil trade networks. International Journal of Modern Physics B, 2022, 36, .	1.0	2
3030	Explainability in Graph Data Science: Interpretability, replicability, and reproducibility of community detection. IEEE Signal Processing Magazine, 2022, 39, 25-39.	4.6	0
3031	Link Pruning for Community Detection in Social Networks. Applied Sciences (Switzerland), 2022, 12, 6811.	1.3	1
3032	Multiresolution community detection in complex networks by using a decomposition based multiobjective memetic algorithm. Memetic Computing, 2023, 15, 89-102.	2.7	1
3033	RELISON: A Framework for Link Recommendation in Social Networks. , 2022, , .		1
3034	A network analysis of connected biophysical pathways to advice eelgrass (Zostera marina) restoration. Marine Environmental Research, 2022, 179, 105690.	1.1	5
3036	Dataset of brain functional connectome and its maturation in adolescents. Data in Brief, 2022, 43, 108454.	0.5	2
3037	Knowledge graph construction for product designs from large CAD model repositories. Advanced Engineering Informatics, 2022, 53, 101680.	4.0	16
3038	Revealing Urban Community Structures by Fusing Multisource Transportation Data. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	0.8	2
3039	Unsupervised feature selection method based on iterative similarity graph factorization and clustering by modularity. Expert Systems With Applications, 2022, 208, 118092.	4.4	3
3040	A Stochastic Model for Detecting Heterogeneous Link Communities in Complex Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2015, 29, .	3.6	11

#	Article	IF	Citations
3041	Community deception: from undirected to directed networks. Social Network Analysis and Mining, 2022, 12, .	1.9	3
3042	The trade-off between topology and content in community detection: An adaptive encoder–decoder-based NMF approach. Expert Systems With Applications, 2022, 209, 118230.	4.4	6
3043	Patterns of interest change in stack overflow. Scientific Reports, 2022, 12, .	1.6	3
3044	Modeling with Node Degree Preservation Can Accurately Find Communities. Proceedings of the AAAI Conference on Artificial Intelligence, 2015, 29, .	3.6	22
3045	Unsupervised Clustering Approaches for Domain Adaptation in Speaker Recognition Systems., 0,,.		22
3047	A Network Embedding-Enhanced NMF Method for Finding Communities in Attributed Networks. IEEE Access, 2022, 10, 118141-118155.	2.6	1
3048	Assessing Network Representations for Identifying Interdisciplinarity. , 2022, , .		3
3049	GraphReformCD: Graph Reformulation for Effective Community Detection in Real-World Graphs. , 2022, , .		0
3050	Graph Embedding Based on Feature Propagation for Community Detection. , 2022, , .		0
3051	20 years of network community detection. Nature Physics, 2022, 18, 848-850.	6.5	45
3052	Detecting Dynamic Communities in Vehicle Movements Using Ant Colony Optimization. Applied Sciences (Switzerland), 2022, 12, 7608.	1.3	1
3053	Systematic Literature Review of Detecting Topics and Communities in Social Networks. BiliÅŸim Teknolojileri Dergisi, 2022, 15, 317-329.	0.2	1
3054	Towards publishing directed social network data with <i>k</i> â€degree anonymization. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	1
3055	Discipline size mediates citation flow. SN Social Sciences, 2022, 2, .	0.4	0
3057	Robustness test of multiple protection strategies for ecological networks from the perspective of complex networks: Evidence from Wuhan Metropolitan Area, China. Land Degradation and Development, 2023, 34, 52-71.	1.8	6
3058	Brands, networks, communities: How brand names are wired in the mind. PLoS ONE, 2022, 17, e0273192.	1.1	2
3059	Detecting Spatial Communities in Vehicle Movements by Combining Multi-Level Merging and Consensus Clustering. Remote Sensing, 2022, 14, 4144.	1.8	1
3060	Application of CCTV Methodology to Analyze COVID-19 Evolution in Italy. BioTech, 2022, 11, 33.	1.3	1

#	Article	IF	CITATIONS
3061	Regional medical inter-institutional cooperation in medical provider network constructed using patient claims data from Japan. PLoS ONE, 2022, 17, e0266211.	1.1	0
3062	Pinning synchronization and parameter identification of fractional-order complex-valued dynamical networks with multiple weights. European Physical Journal B, 2022, 95, .	0.6	1
3063	Online engagement with 2020 election misinformation and turnout in the 2021 Georgia runoff election. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	8
3064	Map equation centrality: community-aware centrality based on the map equation. Applied Network Science, 2022, 7, .	0.8	9
3065	The genetic history of the Southern Arc: A bridge between West Asia and Europe. Science, 2022, 377, .	6.0	31
3066	Evolutionary multiobjective overlapping community detection based on similarity matrix and node correction. Applied Soft Computing Journal, 2022, 127, 109397.	4.1	8
3067	Unfolding community homophily in U.S. metropolitans via human mobility. Cities, 2022, 129, 103929.	2.7	6
3068	Community Search over Big Graphs. Synthesis Lectures on Data Management, 2019, , .	0.6	10
3069	Functional rich clubs emerging from the diffusion geometry of complex networks. Physical Review Research, 2022, 4, .	1.3	1
3070	Mapping the Nicotinic Acetylcholine Receptor Nanocluster Topography at the Cell Membrane with STED and STORM Nanoscopies. International Journal of Molecular Sciences, 2022, 23, 10435.	1.8	1
3071	Influential factors of intercity patient mobility and its network structure in China. Cities, 2023, 132, 103975.	2.7	12
3072	Detecting and Evaluating Urban Agglomerations in Mainland China From the Perspective of Spatial Interactions. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 8309-8317.	2.3	1
3073	The Global Network of Embodied R&D Flows. SSRN Electronic Journal, 0, , .	0.4	1
3074	LargeNetVis: Visual Exploration of Large Temporal Networks Based On Community Taxonomies. IEEE Transactions on Visualization and Computer Graphics, 2022, , 1-11.	2.9	0
3075	Insurance Fraud Detection: A Statistically-Validated Network Approach. SSRN Electronic Journal, 0, , .	0.4	1
3076	Community Detection via Autoencoder-Like Nonnegative Tensor Decomposition. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 4179-4191.	7.2	3
3077	Dynamic Cox-Regression for Motif Prediction in Co-Evolving Time Series Data. , 2022, , .		0
3078	Exposure theory for learning complex networks with random walks. Journal of Complex Networks, 2022, 10, .	1.1	0

#	Article	IF	Citations
3079	Ranking influential nodes in complex networks with community structure. PLoS ONE, 2022, 17, e0273610.	1.1	7
3080	Leveraging genomic diversity for discovery in an electronic health record linked biobank: the UCLA ATLAS Community Health Initiative. Genome Medicine, 2022, 14, .	3.6	16
3083	Multidimensional scholarly citations: Characterizing and understanding scholars' citation behaviors. Journal of the Association for Information Science and Technology, 2023, 74, 115-127.	1.5	2
3084	Retrieving Adversarial Cliques in Cognitive Communities: A New Conceptual Framework for Scientific Knowledge Graphs. Future Internet, 2022, 14, 262.	2.4	2
3085	Modular organization of gene–tumor association network allows identification of key molecular players in cancer. Journal of Biosciences, 2022, 47, .	0.5	0
3086	A Visualization Approach for Simulating and Analyzing Infection Spread Dynamics Using Temporal Networks. Journal of Information and Data Management, 2022, 13, .	0.2	0
3087	Automated optimization of TMS coil placement for personalized functional network engagement. Neuron, 2022, 110, 3263-3277.e4.	3.8	33
3088	Design and Implementation of a New Local Alignment Algorithm for Multilayer Networks. Entropy, 2022, 24, 1272.	1.1	4
3089	Integrative analysis in <i>Pinus</i> revealed longâ€ŧerm heat stress splicing memory. Plant Journal, 2022, 112, 998-1013.	2.8	8
3090	Unpacking research lock-in through a diachronic analysis of topic cluster trajectories in scholarly publications. Scientometrics, 0, , .	1.6	4
3091	Scientific rewards for biomedical specialization are large and persistent. BMC Biology, 2022, 20, .	1.7	0
3092	Graph neural network inspired algorithm for unsupervised network community detection. Applied Network Science, 2022, 7, .	0.8	4
3093	Networkâ€based biostratigraphy for the late Permian to midâ€ <scp>T</scp> riassic Beaufort Group (Karoo) Tj ETQ Palaeontology, 2022, 65, .	Qq0 0 0 rgl 1.0	BT /Overlock 9
3094	On The Reduction of Instability of Label Propagation Algorithm. International Journal of Modern Physics C, 0, , .	0.8	0
3095	Laplacian paths in complex networks: Information core emerges from entropic transitions. Physical Review Research, 2022, 4, .	1.3	8
3096	Quantifying ethnic segregation in cities through random walks. Nature Communications, 2022, 13, .	5.8	3
3097	Community detection in networks by dynamical optimal transport formulation. Scientific Reports, 2022, 12, .	1.6	0
3098	Hiding ourselves from community detection through genetic algorithms. Information Sciences, 2022, 614, 123-137.	4.0	10

#	Article	IF	Citations
3099	Impact of finite size effect on applicability of generalized fractal and spectral dimensions to biological networks. Chaos, Solitons and Fractals, 2022, 164, 112707.	2.5	0
3100	Falling into the Echo Chamber: The Italian Vaccination Debate on Twitter. Proceedings of the International AAAI Conference on Weblogs and Social Media, 0, 14, 130-140.	1.5	59
3101	EigenTransitions with Hypothesis Testing: The Anatomy of Urban Mobility. Proceedings of the International AAAI Conference on Weblogs and Social Media, 2016, 10, 486-495.	1.5	2
3102	Community Cores: Removing Size Bias from Community Detection. Proceedings of the International AAAI Conference on Weblogs and Social Media, 2016, 10, 603-606.	1.5	2
3103	Leveraging Browsing Patterns for Topic Discovery and Photostream Recommendation. Proceedings of the International AAAI Conference on Weblogs and Social Media, 2013, 7, 71-80.	1.5	3
3104	Community Detection Algorithm Based on Node Correlation and Modularity. Lecture Notes in Electrical Engineering, 2022, , 612-621.	0.3	0
3105	Event Detection via Tracking the Change in Community Structure and Communication Trends. IEEE Access, 2022, 10, 109712-109728.	2.6	0
3106	Systematic Assessment and Illustration of Students' Online Discussion Engagement. , 2022, , 145-164.		1
3107	Aquila: a spatial omics database and analysis platform. Nucleic Acids Research, 2023, 51, D827-D834.	6.5	7
3109	CTpathway: a CrossTalk-based pathway enrichment analysis method for cancer research. Genome Medicine, 2022, 14, .	3.6	10
3110	End-to-end Modularity-based Community Co-partition in Bipartite Networks., 2022,,.		1
3111	Research topic flows in co-authorship networks. Scientometrics, 0, , .	1.6	1
3112	Identification of city motifs: a method based on modularity and similarity between hierarchical features of urban networks. Journal of Physics Complexity, 2022, 3, 045003.	0.9	2
3113	Non-equilibrium random walks on multiplex networks. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 103404.	0.9	0
3114	Hierarchical Walking Transformer for Object Re-Identification. , 2022, , .		0
3115	Spectral Clustering via Adaptive Layer Aggregation for Multi-Layer Networks. Journal of Computational and Graphical Statistics, 2023, 32, 1170-1184.	0.9	2
3116	Random walks on complex networks under time-dependent stochastic resetting. Physical Review E, 2022, 106, .	0.8	4
3117	SeedTransNet: a directional translational network revealing regulatory patterns during seed maturation and germination. Journal of Experimental Botany, 2023, 74, 2416-2432.	2.4	3

#	Article	IF	Citations
3118	Mapping nonlocal relationships between metadata and network structure with metadata-dependent encoding of random walks. Science Advances, 2022, 8, .	4.7	3
3119	Single-cell and single-nuclei RNA sequencing as powerful tools to decipher cellular heterogeneity and dysregulation in neurodegenerative diseases. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	15
3120	Know thy tools! Limits of popular algorithms used for topic reconstruction. Quantitative Science Studies, 2022, 3, 1054-1078.	1.6	2
3121	Uncovering the Local Hidden Community Structure in Social Networks. ACM Transactions on Knowledge Discovery From Data, 0, , .	2.5	0
3122	Role extraction for digraphs via neighborhood pattern similarity. Physical Review E, 2022, 106, .	0.8	0
3123	Information Diffusion in Computer Science Citation Networks. Proceedings of the International AAAI Conference on Weblogs and Social Media, 2009, 3, 319-322.	1.5	14
3124	Predicting Successful Memes Using Network and Community Structure. Proceedings of the International AAAI Conference on Weblogs and Social Media, 2014, 8, 535-544.	1.5	95
3125	Cold Hard E-Cash: Friends and Vendors in the Venmo Digital Payments System. Proceedings of the International AAAI Conference on Weblogs and Social Media, 2017, 11, 387-396.	1.5	13
3126	Community Deception in Attributed Networks. IEEE Transactions on Computational Social Systems, 2024, 11, 228-237.	3.2	1
3127	Cluster-preserving sampling algorithm for large-scale graphs. Science China Information Sciences, 2023, 66, .	2.7	1
3128	Mesoscopic architecture enhances communication across the macaque connectome revealing structure-function correspondence in the brain. Physical Review E, 2022, 106, .	0.8	0
3129	Overlapping Community Hiding Method Based on Multi-Level Neighborhood Information. Symmetry, 2022, 14, 2328.	1.1	1
3130	Cross-validation of correlation networks using modular structure. Applied Network Science, 2022, 7,	0.8	1
3132	Network community detection and clustering with random walks. Physical Review Research, 2022, 4, .	1.3	3
3135	A Cross-Attention Fusion Based Graph Convolution Auto-Encoder for Open Relation Extraction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2023, 31, 476-485.	4.0	1
3136	Exploring the topological characteristics of urban trip networks based on taxi trajectory data. Physica A: Statistical Mechanics and Its Applications, 2023, 609, 128391.	1.2	3
3137	On the stability of citation networks. Physica A: Statistical Mechanics and Its Applications, 2023, 610, 128399.	1.2	1
3138	Hierarchical attention neural network for information cascade prediction. Information Sciences, 2023, 622, 1109-1127.	4.0	15

#	Article	IF	CITATIONS
3139	Privacy Protection for Marginal-Sensitive Community Individuals Against Adversarial Community Detection Attacks. IEEE Transactions on Computational Social Systems, 2024, 11, 782-794.	3.2	0
3140	Multi-Level Progressive Learning for Unsupervised Vehicle Re-Identification. IEEE Transactions on Vehicular Technology, 2023, 72, 4357-4371.	3.9	3
3141	A variance-aware multiobjective Louvain-like method for community detection in multiplex networks. Journal of Complex Networks, 2022, 10 , .	1.1	1
3142	TOPAS, a network-based approach to detect disease modules in a top-down fashion. NAR Genomics and Bioinformatics, 2022, 4, .	1.5	1
3143	Detecting hierarchical organization of pervasive communities by modular decomposition of Markov chain. Scientific Reports, 2022, 12, .	1.6	0
3144	Selecting Clustering Algorithms for Identity-By-Descent Mapping. , 2022, , .		O
3146	Clinical subtyping using community detection: Limited utility?. International Journal of Methods in Psychiatric Research, 0, , .	1.1	2
3147	Towards explainable community finding. Applied Network Science, 2022, 7, .	0.8	O
3148	Use of mobile phone data in HIV epidemic control. Lancet HIV, the, 2022, 9, e820-e821.	2.1	1
3149	Large-Scale Thalamocortical Triple Network Dysconnectivities in Patients With First-Episode Psychosis and Individuals at Risk for Psychosis. Schizophrenia Bulletin, 2023, 49, 375-384.	2.3	3
3150	Coupling of geographic range and provincialism in Cambrian marine invertebrates. Paleobiology, 2023, 49, 284-295.	1.3	3
3151	Test-retest reliability of modular-relevant analysis in brain functional network. Frontiers in Neuroscience, $0,16,.$	1.4	1
3152	Insurance fraud detection: A statistically validated network approach. Journal of Risk and Insurance, 2023, 90, 381-419.	1.0	2
3154	Spatiotemporal Patterns of Risk Propagation in Complex Financial Networks. Applied Sciences (Switzerland), 2023, 13, 1129.	1.3	3
3155	Community detection in large-scale real-world networks. Advances in Computers, 2021, , .	1.2	0
3156	Community-Aware Centrality Measures Under theÂlndependent Cascade Model. Studies in Computational Intelligence, 2023, , 588-599.	0.7	O
3157	Food composition databases in the era of Big Data: Vegetable oils as a case study. Frontiers in Nutrition, $0, 9, .$	1.6	4
3159	Searching Open-Source Vulnerability Function Based on Software Modularization. Applied Sciences (Switzerland), 2023, 13, 701.	1.3	O

#	Article	IF	Citations
3162	Research on multi-label user classification of social media based on ML-KNN algorithm. Technological Forecasting and Social Change, 2023, 188, 122271.	6.2	6
3163	Genetic mapping and regional association analysis revealed a CYTOKININ RESPONSE FACTOR 10 gene controlling flowering time in Brassica napus L Industrial Crops and Products, 2023, 193, 116239.	2.5	3
3164	Dynamic community detection considering daily rhythms of human mobility. Travel Behaviour & Society, 2023, 31, 209-222.	2.4	6
3165	A Reciprocity-Based Method for Improving Community Detection on Directed Friendship Networks. , 2022, , .		0
3166	Achieving Scalability and Load Balance across Blockchain Shards for State Sharding., 2022,,.		7
3167	How Output Outweighs Input and Interlocutors Matter for Studyâ€Abroad SLA: Computational Social Network Analysis of Learner Interactions. Modern Language Journal, 2022, 106, 694-725.	1.3	2
3168	Flickering Emergences: The Question of Locality in Information-Theoretic Approaches to Emergence. Entropy, 2023, 25, 54.	1.1	8
3169	House mouse subspecies do differ in their social structure. Ecology and Evolution, 2022, 12, .	0.8	1
3170	Where do migrants and natives belong in a community: a Twitter case study and privacy risk analysis. Social Network Analysis and Mining, 2023, 13, .	1.9	1
3172	Investigation of Âthe ÂRamsey-Pierce-Bowman Model. Communications in Computer and Information Science, 2022, , 249-259.	0.4	0
3173	A dynamic community evolution discovery method based on attribute network representation learning. , 2022, , .		0
3175	Mean Hitting Time ofÂQ-subdivision Complex Networks. Studies in Computational Intelligence, 2023, , 359-370.	0.7	0
3176	Obfuscating Community Structure in Complex Network With Evolutionary Divide-and-Conquer Strategy. IEEE Transactions on Evolutionary Computation, 2023, 27, 1926-1940.	7. 5	6
3177	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
3178	Automatic Detection of Multilevel Communities: Scalable, Selective and Resolution-Limit-Free. Applied Sciences (Switzerland), 2023, 13, 1774.	1.3	2
3179	From big data to complex network: a navigation through the maze of drug–target interaction. , 2023, , 407-436.		0
3180	Localized Community-Based Node Anomalies in Complex Networks. Lecture Notes in Networks and Systems, 2023, , 679-689.	0.5	0
3181	Conversational Pattern Mining Using Motif Detection. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 345-361.	0.2	0

#	Article	IF	Citations
3183	Predicting the evolution of scientific communities by interpretable machine learning approaches. Journal of Informetrics, 2023, 17, 101399.	1.4	1
3184	Modules in connectomes of phase-synchronization comprise anatomically contiguous, functionally related regions. Neurolmage, 2023, 272, 120036.	2.1	2
3185	Structure, robustness and supply risk in the global wind turbine trade network. Renewable and Sustainable Energy Reviews, 2023, 177, 113214.	8.2	1
3186	Signal propagation in complex networks. Physics Reports, 2023, 1017, 1-96.	10.3	50
3187	Prioritizing management of high-risk routes and ports by vessel type to improve marine biosecurity efforts. Journal of Environmental Management, 2023, 336, 117597.	3.8	0
3188	A novel network core structure extraction algorithm utilized variational autoencoder for community detection. Expert Systems With Applications, 2023, 222, 119775.	4.4	8
3189	Effective Resistance Based Weight Thresholding forÂCommunity Detection. Communications in Computer and Information Science, 2022, , 14-23.	0.4	0
3190	Information Flow Simulations inÂMulti-dimensional andÂDynamic Systems. Communications in Computer and Information Science, 2022, , 233-248.	0.4	0
3191	Community Detection inÂLarge Directed Graphs. Lecture Notes in Computer Science, 2022, , 172-181.	1.0	0
3192	Spatial structure and influencing factors of regional city supply networks in manufacturing: A case study of Shandong, China. Frontiers in Environmental Science, $0,11,.$	1.5	3
3193	A complex network-based vaccination strategy for infectious diseases. Applied Soft Computing Journal, 2023, 136, 110081.	4.1	5
3194	Random Walks on Networks with Centrality-Based Stochastic Resetting. Entropy, 2023, 25, 293.	1.1	5
3195	Networks of climate change: connecting causes and consequences. Applied Network Science, 2023, 8, .	0.8	5
3196	Finding the Source in Networks: An Approach Based on Structural Entropy. ACM Transactions on Internet Technology, 2023, 23, 1-25.	3.0	2
3198	Multilayer networks of plasmid genetic similarity reveal potential pathways of gene transmission. ISME Journal, 2023, 17, 649-659.	4.4	6
3200	Evolution Process and Characteristics of Multifactor Flows in Rural Areas: A Case Study of Licheng Village in Hebei, China. Sustainability, 2023, 15, 3225.	1.6	3
3201	Al reveals insights into link between CD33 and cognitive impairment in Alzheimer's Disease. PLoS Computational Biology, 2023, 19, e1009894.	1.5	2
3202	Precision mapping and transcranial magnetic stimulation of individual-specific functional brain networks in humans. STAR Protocols, 2023, 4, 102118.	0.5	1

#	Article	IF	CITATIONS
3203	German Corona Protest Mobilizers on Telegram and Their Relations to the Far Right: A Network and Topic Analysis. Social Media and Society, 2023, 9, 205630512311551.	1.5	10
3205	Multiplex reconstruction with partial information. Physical Review E, 2023, 107, .	0.8	1
3206	Large network community detection by fast label propagation. Scientific Reports, 2023, 13, .	1.6	2
3207	Contact networks have small metric backbones that maintain community structure and are primary transmission subgraphs. PLoS Computational Biology, 2023, 19, e1010854.	1.5	2
3208	Community Structure and Its Stability on a Face-to-Face Interaction Network in Kyoto City. Journal of the Physical Society of Japan, 2023, 92, .	0.7	0
3209	Exploring and Learning the Universe of Protein Allostery Using Artificial Intelligence Augmented Biophysical and Computational Approaches. Journal of Chemical Information and Modeling, 2023, 63, 1413-1428.	2.5	11
3210	The trapping problem on horizontal partitioned level-3 sierpinski gasket networks. Physica Scripta, 2023, 98, 045207.	1.2	2
3211	Detecting Communities in Complex Networks Using an Adaptive Genetic Algorithm and Node Similarity-Based Encoding. Complexity, 2023, 2023, 1-22.	0.9	0
3212	Epidemic Diffusion Network of Spain: A Mobility Model to Characterize the Transmission Routes of Disease. International Journal of Environmental Research and Public Health, 2023, 20, 4356.	1.2	1
3213	A community-aware centrality framework based on overlapping modularity. Social Network Analysis and Mining, 2023, 13, .	1.9	1
3214	Understanding who talks about what: comparison between the information treatment in traditional media and online discussions. Scientific Reports, 2023, 13 , .	1.6	1
3216	Uncovering the network structure of non-centrally cleared derivative markets: evidence from large regulatory data. Empirical Economics, 2023, 65, 1799-1822.	1.5	0
3217	Operating characteristics of the factor flow networks in rural areas: A case study of a typical industrial town in China. PLoS ONE, 2023, 18, e0283232.	1.1	0
3218	Community Detection Algorithms in Healthcare Applications: A Systematic Review. IEEE Access, 2023, 11, 30247-30272.	2.6	44
3219	Network Analysis Reveals the Molecular Bases of Statin Pleiotropy That Vary with Genetic Background. Microbiology Spectrum, 2023, 11, .	1.2	0
3220	Projecting XRP price burst by correlation tensor spectra of transaction networks. Scientific Reports, 2023, 13, .	1.6	5
3221	A Constrained Louvain Algorithm with a Novel Modularity. Applied Sciences (Switzerland), 2023, 13, 4045.	1.3	1
3222	Predicting Influential Higher-Order Patterns in Temporal Network Data. , 2022, , .		1

#	Article	IF	CITATIONS
3223	Dual Clustering Co-Teaching With Consistent Sample Mining for Unsupervised Person Re-Identification. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 5908-5920.	5.6	1
3224	White stork movements reveal the ecological connectivity between landfills and different habitats. Movement Ecology, 2023, 11, .	1.3	4
3225	Community Structure inÂTranscriptional Regulatory Networks ofÂYeast Species. Springer Proceedings in Complexity, 2023, , 38-49.	0.2	0
3226	More nodes in fake news participate in multiple networks. , 2023, , .		O
3227	Gender-based homophily in collaborations across a heterogeneous scholarly landscape. PLoS ONE, 2023, 18, e0283106.	1.1	1
3228	Hierarchical overlapping modular structure in the human cerebral cortex improves individual identification. IScience, 2023, 26, 106575.	1.9	0
3229	Identifying covariate-related subnetworks for whole-brain connectome analysis. Biostatistics, 0, , .	0.9	1
3230	Circulation of a digital community currency. Scientific Reports, 2023, 13, .	1.6	3
3231	Modeling Regime Shifts in Multiple Time Series. ACM Transactions on Knowledge Discovery From Data, 2023, 17, 1-31.	2.5	1
3232	Defense systems are pervasive across chromosomally integrated mobile genetic elements and are inversely correlated to virulence and antimicrobial resistance. Nucleic Acids Research, 2023, 51, 4385-4397.	6.5	10
3233	A Collaborative Filtering Recommendation Algorithm Based on Community Detection and Graph Neural Network. Neural Processing Letters, 2023, 55, 7095-7112.	2.0	1
3234	Single-trajectory map equation. Scientific Reports, 2023, 13, .	1.6	1
3235	Social Media as a Vector for Escort Ads:A Study on OnlyFans advertisements on Twitter., 2023,,.		0
3238	Blockchain Fragment Expansion Scheme Based on Community Detection and MSR Code., 2022,,.		0
3263	United-and-Close: An interactive visual platform for assessing urban segregation within the 15-minutes paradigm. , 2023 , , .		0
3267	Meta Heuristic-Based Community Detection of Social Network Using Cuckoo with InfoMap Algorithm. Smart Innovation, Systems and Technologies, 2023, , 15-23.	0.5	0
3270	LPCD: Incremental Approach forÂDynamic Networks. Lecture Notes in Computer Science, 2023, , 203-213.	1.0	0
3272	Sentiment of the Tweets on Russo-Ukrainian War: the Social Network Analysis. , 2023, , .		0

#	Article	IF	CITATIONS
3273	Heuristic Modularity Maximization Algorithms forÂCommunity Detection Rarely Return anÂOptimal Partition orÂAnything Similar. Lecture Notes in Computer Science, 2023, , 612-626.	1.0	3
3276	Unsupervised Speaker Verification Using Pre-Trained Model and Label Correction., 2023,,.		0
3277	RGDroid: Detecting Android Malware with Graph Convolutional Networks against Structural Attacks. , 2023, , .		0
3281	Hierarchical Graph Neural Network forÂPatient Treatment Preference Prediction withÂExternal Knowledge. Lecture Notes in Computer Science, 2023, , 204-215.	1.0	2
3287	Community detection in network neuroscience., 2023,, 149-171.		0
3290	Brain networks atlases. , 2023, , 59-85.		0
3297	Topic-enhanced Graph Neural Networks for Extraction-based Explainable Recommendation., 2023,,.		1
3300	Effects of Global and Local Network Structure on Number of Driver Nodes in Complex Networks. Lecture Notes in Social Networks, 2023, , 81-98.	0.8	0
3301	A Transformer-based Unsupervised Clustering Method for Vehicle Re-identification. , 2022, , .		0
3303	Community Detection Using Revised Medoid-Shift Based on KNN. Lecture Notes in Computer Science, 2023, , 345-353.	1.0	0
3305	Permanence based Hidden Community and Graph Recovery in Social Networks. , 2023, , .		0
3315	CLP: A Community based Label Propagation Framework for Multiple Source Detection. , 2023, , .		0
3316	An Adaptive Brain Storm Optimization Based on Hierarchical Learning for Community Detection. Communications in Computer and Information Science, 2023, , 390-402.	0.4	0
3337	TransGNN: A Transductive Graph Neural Network with Graph Dynamic Embedding. , 2023, , .		0
3338	Fast Community Detection in Graphs with Infomap Method using Accelerated Sparse Accumulation. , 2023, , .		0
3340	Dynamic Conceptional Contrastive Learning for Generalized Category Discovery. , 2023, , .		4
3344	The Oil and Water Separation Phenomenon Inspired Loss for Feature Learning. , 2023, , .		0
3345	Fast Parallel Index Construction for Efficient K-truss-based Local Community Detection in Large Graphs. , 2023, , .		O

#	ARTICLE	IF	Citations
3349	Community Detection in Flow-Based Engineering Networks. , 2023, , .		0
3350	Optimal Node Embedding Dimension Selection Using Overall Entropy. Lecture Notes in Computer Science, 2023, , 114-127.	1.0	O
3352	Multilayer Network Analysis for Industrial Supply Chains of Japanese Prefecture., 2023,,.		0
3362	Community Detection forÂMulti-label Classification. Lecture Notes in Computer Science, 2023, , 78-93.	1.0	0
3370	FAF: A Risk Detection Framework on Industry-Scale Graphs. , 2023, , .		0
3371	Community Detection in Dense Networks using Effective Resistance and Link Pruning., 2023,,.		0
3378	Fundamental Structures inÂTemporal Communication Networks. Computational Social Sciences, 2023, , 25-48.	0.4	1
3387	Clique-TF-IDF: A New Partitioning Framework Based onÂDense Substructures. Lecture Notes in Computer Science, 2023, , 396-410.	1.0	1
3396	Continuous-Time Random Walks andÂTemporal Networks. Computational Social Sciences, 2023, , 225-239.	0.4	0
3397	Community Detection Algorithms in Social Networks: An Empirical Evaluation. Lecture Notes in Electrical Engineering, 2023, , 333-343.	0.3	0
3404	Modularity-Based Selection ofÂtheÂNumber ofÂSlices inÂTemporal Network Clustering. Computational Social Sciences, 2023, , 435-447.	0.4	0
3405	Challenges in Community Discovery onÂTemporal Networks. Computational Social Sciences, 2023, , 185-202.	0.4	0
3419	Fast Community Detection Based onÂlntegration ofÂNon-cooperative andÂCooperative Game. Communications in Computer and Information Science, 2024, , 276-286.	0.4	0
3425	Construction of Nursing Sequential Decision Knowledge Graph from the Perspective of International Standard Terminology., 2023,,.		0
3427	Network Community Detection in Connectomics Data using Graph Theory. , 2023, , .		0
3429	Almost Exact Recovery in Gossip Opinion Dynamics Over Stochastic Block Models., 2023,,.		0
3450	Tailoring Benchmark Graphs toÂReal-World Networks forÂlmproved Prediction ofÂCommunity Detection Performance. Studies in Computational Intelligence, 2024, , 108-120.	0.7	0
3451	Identifying Well-Connected Communities inÂReal-World andÂSynthetic Networks. Studies in Computational Intelligence, 2024, , 3-14.	0.7	0

#	Article	IF	CITATIONS
3452	Hierarchical Overlapping Community Detection forÂWeighted Networks. Studies in Computational Intelligence, 2024, , 159-171.	0.7	0
3454	Better Hide Communities: Benchmarking Community Deception Algorithms. Studies in Computational Intelligence, 2024, , 378-387.	0.7	0
3457	MultiSPANS: A Multi-range Spatial-Temporal Transformer Network for Traffic Forecast via Structural Entropy Optimization. , 2024, , .		0
3464	Node Density and Attraction Detection Method (NDAD) for Community Detection in Complex Network. Lecture Notes in Networks and Systems, 2024, , 481-492.	0.5	O