

# Community detection in networks: A user guide

Physics Reports

659, 1-44

DOI: [10.1016/j.physrep.2016.09.002](https://doi.org/10.1016/j.physrep.2016.09.002)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Community Structure Detection for Directed Networks through Modularity Optimisation. Algorithms, 2016, 9, 73.	1.2	11
3	Toward the Discovery of Citation Cartels in Citation Networks. Frontiers in Physics, 2016, 4, .	1.0	69
4	Network analysis and modelling: Special issue of<i>European Journal of Applied Mathematics</i>. European Journal of Applied Mathematics, 2016, 27, 807-811.	1.4	5
5	Equivalence between modularity optimization and maximum likelihood methods for community detection. Physical Review E, 2016, 94, 052315.	0.8	215
6	A local perspective on community structure in multilayer networks. Network Science, 2017, 5, 144-163.	0.8	42
7	Multi-scale brain networks. NeuroImage, 2017, 160, 73-83.	2.1	445
8	The many facets of community detection in complex networks. Applied Network Science, 2017, 2, 4.	0.8	125
9	Modularity-like objective function in annotated networks. Frontiers of Physics, 2017, 12, 1.	2.4	4
10	A network perspective on the virus world. Communicative and Integrative Biology, 2017, 10, e1296614.	0.6	29
11	Persistent homology of time-dependent functional networks constructed from coupled time series. Chaos, 2017, 27, 047410.	1.0	73
12	I/O-efficient Generation of Massive Graphs Following the LFR Benchmark. , 2017, , .		4
13	Challenges in identifying and interpreting organizational modules in morphology. Journal of Morphology, 2017, 278, 960-974.	0.6	41
14	Ranking in evolving complex networks. Physics Reports, 2017, 689, 1-54.	10.3	180
15	The multilayer nature of ecological networks. Nature Ecology and Evolution, 2017, 1, 101.	3.4	383
16	Nonparametric Bayesian inference of the microcanonical stochastic block model. Physical Review E, 2017, 95, 012317.	0.8	109
17	Accelerating community-search problem through faster graph dedensification. , 2017, , .		1
18	A dynamical approach to identify vertices' centrality in complex networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3972-3977.	0.9	1
19	GLFR: A Generalized LFR Benchmark for Testing Community Detection Algorithms. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
20	Assessing the suitability of network community detection to available meta-data using rank stability. , 2017, , .		8
21	Dynamical networks: Finding, measuring, and tracking neural population activity using network science. Network Neuroscience, 2017, 1, 324-338.	1.4	19
22	Core of communities in bipartite networks. Physical Review E, 2017, 96, 022321.	0.8	14
23	Random walks and diffusion on networks. Physics Reports, 2017, 716-717, 1-58.	10.3	420
24	Optimal Local Routing Strategies for Community Structured Time Varying Communication Networks. Lecture Notes in Computer Science, 2017, , 642-653.	1.0	0
25	Impact of biased scores on ranking in bipartite competition networks and inference of modular structure via generalized modularity. Europhysics Letters, 2017, 117, 48005.	0.7	1
26	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
27	Efficient method for estimating the number of communities in a network. Physical Review E, 2017, 96, 032310.	0.8	47
28	An improved game-theoretic approach to uncover overlapping communities. International Journal of Modern Physics C, 2017, 28, 1750112.	0.8	12
29	Stateless Puzzles for Real Time Online Fraud Preemption. , 2017, , .		1
30	Structural and functional, empirical and modeled connectivity in the cerebral cortex of the rat. NeuroImage, 2017, 159, 170-184.	2.1	36
31	A game-theoretic approach for non-overlapping communities detection. , 2017, , .		0
32	Completeness of Community Structure in Networks. Scientific Reports, 2017, 7, 5269.	1.6	3
33	Core-Periphery Structure in Networks (Revisited). SIAM Review, 2017, 59, 619-646.	4.2	96
34	NANI. , 2017, , .		0
35	Combining Node Identifier Features and Community Priors for Within-Network Classification. Lecture Notes in Computer Science, 2017, , 3-17.	1.0	1
36	A uniform framework of projection and community detection for one-mode network in bipartite networks. Chinese Physics B, 2017, 26, 128901.	0.7	6
37	Hierarchical benchmark graphs for testing community detection algorithms. Physical Review E, 2017, 96, 052311.	0.8	15

#	ARTICLE	IF	CITATIONS
38	Insider Threat Event Detection in User-System Interactions. , 2017, , .		9
39	The structural role of the core literature in history. <i>Scientometrics</i> , 2017, 113, 1787-1809.	1.6	3
40	Data Science Meets Optimization. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017, , 13-20.	0.1	2
41	A survey on theoretical advances of community detection in networks. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2017, 9, e1403.	2.1	23
42	Fast Heuristic Algorithm for Multi-scale Hierarchical Community Detection. , 2017, , .		7
43	Segmentation of large images based on superpixels and community detection in graphs. <i>IET Image Processing</i> , 2017, 11, 1219-1228.	1.4	21
44	Overlapping Community Detection via Constrained PARAFAC: A Divide and Conquer Approach. , 2017, , .		6
45	Distributed/Hierarchical Control Architecture Design * *Financial support from NSF-CBET is gratefully acknowledged.. <i>IFAC-PapersOnLine</i> , 2017, 50, 12015-12020.	0.5	7
46	Adaptive Community Detection Incorporating Topology and Content in Social Networks. , 2017, , .		8
47	A generalized incremental bottom-up community detection framework for highly dynamic graphs. , 2017, , .		8
48	A community detection algorithm by utilizing grey wolf optimization. , 2017, , .		1
49	MRAttractor: Detecting communities from large-scale graphs. , 2017, , .		1
50	An adaptive refinement for community detection methods for disease module identification in biological networks using novel metric based on connectivity, conductance & modularity. , 2017, , .		1
51	Revisiting Spectral Graph Clustering with Generative Community Models. , 2017, , .		9
52	Influence estimation in sparse social networks. , 2017, , .		7
53	Soft unveiling of communities via egonet tensors. , 2017, , .		0
54	Network Modularity in Breast Cancer Molecular Subtypes. <i>Frontiers in Physiology</i> , 2017, 8, 915.	1.3	53
55	Community Detection Based on Differential Evolution Using Social Spider Optimization. <i>Symmetry</i> , 2017, 9, 183.	1.1	18

#	ARTICLE	IF	CITATIONS
56	Post-Processing Partitions to Identify Domains of Modularity Optimization. <i>Algorithms</i> , 2017, 10, 93.	1.2	37
57	Topological Aspects of the Multi-Language Phases of the Naming Game on Community-Based Networks. <i>Games</i> , 2017, 8, 12.	0.4	2
58	The Core Literature of the Historians of Venice. <i>Frontiers in Digital Humanities</i> , 2017, 4, .	1.2	3
59	Precision Oncology: The Promise of Big Data and the Legacy of Small Data. <i>Frontiers in ICT</i> , 2017, 4, .	3.6	4
60	Discovering Social Community Structures Based on Human Mobility Traces. <i>Mobile Information Systems</i> , 2017, 2017, 1-17.	0.4	4
61	Local Community Detection Based on Small Cliques. <i>Algorithms</i> , 2017, 10, 90.	1.2	11
62	CES. , 2017, , .		0
63	Network decomposition for distributed control through community detection in input–output bipartite graphs. <i>Journal of Process Control</i> , 2018, 64, 7-14.	1.7	33
64	A network community restructuring mechanism for transport efficiency improvement in scale-free complex networks. <i>Concurrency Computation Practice and Experience</i> , 2018, 30, e4273.	1.4	1
65	Opinion formation and distribution in a bounded-confidence model on various networks. <i>Physical Review E</i> , 2018, 97, 022312.	0.8	36
66	Algorithmic detectability threshold of the stochastic block model. <i>Physical Review E</i> , 2018, 97, 032301.	0.8	12
67	Relative time-averaged gain array (RTAGA) for distributed control-oriented network decomposition. <i>AIChE Journal</i> , 2018, 64, 1682-1690.	1.8	21
68	Community Discovery in Dynamic Networks. <i>ACM Computing Surveys</i> , 2019, 51, 1-37.	16.1	279
69	Community detection in networks: A multidisciplinary review. <i>Journal of Network and Computer Applications</i> , 2018, 108, 87-111.	5.8	296
70	Effect of rich-club on diffusion in complex networks. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850142.	1.0	34
71	Self-organization, entropy and allostery. <i>Biochemical Society Transactions</i> , 2018, 46, 587-597.	1.6	16
72	Community detection in networks using self-avoiding random walks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 505, 1046-1055.	1.2	10
73	Using Node Identifiers and Community Prior for Graph-Based Classification. <i>Data Science and Engineering</i> , 2018, 3, 68-83.	4.6	13

#	ARTICLE	IF	CITATIONS
74	A Survey of Mobile Social Networks: Applications, Social Characteristics, and Challenges. IEEE Systems Journal, 2018, 12, 3932-3947.	2.9	21
75	The timing and causes of a unique chimpanzee community fission preceding Gombe's "Four-Year War". American Journal of Physical Anthropology, 2018, 166, 730-744.	2.1	27
76	Network analysis of particles and grains. Journal of Complex Networks, 2018, 6, 485-565.	1.1	113
77	Community structured time varying communication networks. , 2018, , .		0
78	Learning Influence Structure in Sparse Social Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 1976-1986.	2.4	32
79	Applications of Community Detection Techniques to Brain Graphs: Algorithmic Considerations and Implications for Neural Function. Proceedings of the IEEE, 2018, 106, 846-867.	16.4	94
80	Nonparametric weighted stochastic block models. Physical Review E, 2018, 97, 012306.	0.8	58
81	Any signs of replacement of canopy-forming algae by turf-forming algae in the northern Adriatic Sea?. Ecological Indicators, 2018, 87, 272-284.	2.6	21
82	Optimal decomposition for distributed optimization in nonlinear model predictive control through community detection. Computers and Chemical Engineering, 2018, 111, 43-54.	2.0	48
83	A fast community detection method in bipartite networks by distance dynamics. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 108-120.	1.2	30
84	Frequency-based brain networks: From a multiplex framework to a full multilayer description. Network Neuroscience, 2018, 2, 418-441.	1.4	56
85	Clustering-Structure Representative Sampling from Graph Streams. Studies in Computational Intelligence, 2018, , 265-277.	0.7	1
87	Reconfiguration of Cortical Networks in MDD Uncovered by Multiscale Community Detection with fMRI. Cerebral Cortex, 2018, 28, 1383-1395.	1.6	49
88	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
89	Low-rank subspace learning based network community detection. Knowledge-Based Systems, 2018, 155, 71-82.	4.0	12
90	Exploring dynamic evolution and fluctuation characteristics of air traffic flow volume time series: A single waypoint case. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 560-571.	1.2	13
91	An efficient multilevel scheme for coarsening large scale social networks. Applied Intelligence, 2018, 48, 3557-3576.	3.3	16
92	Aggregation of Markov flows I: theory. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170232.	1.6	18

#	ARTICLE	IF	CITATIONS
93	A new centrality measure based on the negative and positive effects of clustering coefficient for identifying influential spreaders in complex networks. <i>Chaos, Solitons and Fractals</i> , 2018, 110, 41-54.	2.5	70
94	The way to uncover community structure with core and diversity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 501, 111-119.	1.2	1
95	Community detection by propagating the label of center. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 675-686.	1.2	19
96	Modeling and interpreting mesoscale network dynamics. <i>NeuroImage</i> , 2018, 180, 337-349.	2.1	101
97	Dynamic graph metrics: Tutorial, toolbox, and tale. <i>NeuroImage</i> , 2018, 180, 417-427.	2.1	120
98	Decomposing complex plants for distributed control: Perspectives from network theory. <i>Computers and Chemical Engineering</i> , 2018, 114, 43-51.	2.0	36
99	Topologically biased random walk for diffusions on multiplex networks. <i>Journal of Computational Science</i> , 2018, 28, 343-356.	1.5	10
100	SELP: Semi-supervised evidential label propagation algorithm for graph data clustering. <i>International Journal of Approximate Reasoning</i> , 2018, 92, 139-154.	1.9	47
101	A new cellular learning automata-based algorithm for community detection in complex social networks. <i>Journal of Computational Science</i> , 2018, 24, 413-426.	1.5	31
102	Phase transition of Surprise optimization in community detection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 491, 693-707.	1.2	10
103	Adaptive modularity maximization via edge weighting scheme. <i>Information Sciences</i> , 2018, 424, 55-68.	4.0	26
104	Layer Communities in Multiplex Networks. <i>Journal of Statistical Physics</i> , 2018, 173, 1286-1302.	0.5	14
105	Constrained common cluster based model for community detection in temporal and multiplex networks. <i>Neurocomputing</i> , 2018, 275, 768-780.	3.5	12
106	An event synchronization method to link heavy rainfall events and large-scale atmospheric circulation features. <i>International Journal of Climatology</i> , 2018, 38, 1421-1437.	1.5	23
107	LP-LPA: A link influence-based label propagation algorithm for discovering community structures in networks. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850062.	1.0	43
108	A novel community detection algorithm based on simplification of complex networks. <i>Knowledge-Based Systems</i> , 2018, 143, 58-64.	4.0	24
109	Strategic visitor flows and destination management organization. <i>Information Technology and Tourism</i> , 2018, 18, 29-42.	3.4	21
110	Node similarity and modularity for finding communities in networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 1958-1966.	1.2	32

#	ARTICLE	IF	CITATIONS
111	Neither global nor local: Heterogeneous connectivity in spatial network structures of world migration. <i>Social Networks</i> , 2018, 53, 4-19.	1.3	35
112	k-Truss Decomposition for Modular Centrality. , 2018, , .		7
113	Finding Multi-granularity Community Structures in Social Networks Based on Significance of Community Partition. , 2018, , .		2
114	Network partitioning algorithms as cooperative games. <i>Computational Social Networks</i> , 2018, 5, 11.	2.1	9
115	Community detection via closure extension. <i>International Journal of Modern Physics C</i> , 2018, 29, 1850119.	0.8	0
116	Lightweight Support Vector Clustering Algorithm for Community Detection in Complex Networks. , 2018, , .		1
117	Variational Approach for Learning Community Structures. <i>Complexity</i> , 2018, 2018, 1-13.	0.9	5
118	Application Areas of Community Detection: A Review. , 2018, , .		28
119	Reprint of: Optimal decomposition for distributed optimization in nonlinear model predictive control through community detection. <i>Computers and Chemical Engineering</i> , 2018, 116, 144-155.	2.0	2
120	On Unveiling the Community Structure of Temporal Networks. , 2018, , .		1
121	Modularity of regular and treelike graphs. <i>Journal of Complex Networks</i> , 2018, 6, 596-619.	1.1	12
122	Greedy Modularity Graph Clustering for Community Detection of Large Co-Authorship Network. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 857.	0.2	3
123	Influence spreading model used to analyse social networks and detect sub-communities. <i>Computational Social Networks</i> , 2018, 5, 12.	2.1	14
124	The robustness of worldwide metro networks. <i>Journal of Physics: Conference Series</i> , 2018, 1113, 012010.	0.3	0
125	Who is really in my social circle?. <i>Journal of Internet Services and Applications</i> , 2018, 9, .	1.6	6
126	Tracking the Evolution of Community in IP Networks. , 2018, , .		0
127	Clustering analysis of online discussion participants. <i>Procedia Computer Science</i> , 2018, 134, 186-195.	1.2	4
128	Randomized Robust matrix Completion for the Community Detection Problem. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
129	Vertex-Cut Partitioning Performance Analysis for FASTCD Algorithm in Large-Scale Graph. , 2018, , .		0
130	Impact investing market on Twitter: influential users and communities. Applied Network Science, 2018, 3, 40.	0.8	8
131	Shortest Path Algorithm Based on Community Detection. , 2018, , .		0
132	A Nonnegative Matrix Factorization Approach for Multiple Local Community Detection. , 2018, , .		16
133	Temporal Block Spectral Clustering for Multi-Layer Temporal Functional Connectivity Networks. , 2018, , .		0
134	SocialOcean: Visual Analysis and Characterization of Social Media Bubbles. , 2018, , .		0
135	Link Prediction in Bipartite Nested Networks. Entropy, 2018, 20, 777.	1.1	5
136	Towards Group-Activities Based Community Detection. , 2018, , .		1
137	A Novel Community Detection Method for Collaborative Networks. , 2018, , .		6
138	On the role of sparseness in the evolution of modularity in gene regulatory networks. PLoS Computational Biology, 2018, 14, e1006172.	1.5	28
139	Community Detection in Networks Based on Modified PageRank and Stochastic Block Model. IEEE Access, 2018, 6, 77133-77144.	2.6	8
140	Advances in Soft Computing. Lecture Notes in Computer Science, 2018, , .	1.0	0
141	The Competition of Homophily and Popularity in Growing and Evolving Social Networks. Scientific Reports, 2018, 8, 15431.	1.6	7
142	Entrograms and coarse graining of dynamics on complex networks. Journal of Complex Networks, 2018, 6, 661-678.	1.1	4
143	Overlapping Community Detection Based on Information Dynamics. IEEE Access, 2018, 6, 70919-70934.	2.6	13
144	Finding a Dense Subgraph with Sparse Cut. , 2018, , .		4
145	Learning Community Structure with Variational Autoencoder. , 2018, , .		19
146	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

#	ARTICLE	IF	CITATIONS
147	Disease networks identify specific conditions and pleiotropy influencing multimorbidity in the general population. <i>Scientific Reports</i> , 2018, 8, 15970.	1.6	22
148	Detecting Communities in Networks Using Competitive Hopfield Neural Network. , 2018, , .		1
149	Origins and Evolution of the Global RNA Virome. <i>MBio</i> , 2018, 9, .	1.8	383
150	Protein Residue Networks from Energetic and Geometric Data: Are They Identical?. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 6623-6631.	2.3	24
151	Cluster-based network proximities for arbitrary nodal subsets. <i>Scientific Reports</i> , 2018, 8, 14371.	1.6	1
152	Identification of Overlapping Communities via Constrained Egonet Tensor Decomposition. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 5730-5745.	3.2	17
154	Universality of the stochastic block model. <i>Physical Review E</i> , 2018, 98, .	0.8	22
155	Understanding the Mechanisms Behind the Response to Environmental Perturbation in Microbial Mats: A Metagenomic-Network Based Approach. <i>Frontiers in Microbiology</i> , 2018, 9, 2606.	1.5	41
157	The Hierarchical Modular Structure of HER2+ Breast Cancer Network. <i>Frontiers in Physiology</i> , 2018, 9, 1423.	1.3	40
159	A bounded-size clustering algorithm on fully-dynamic streaming graphs. <i>Intelligent Data Analysis</i> , 2018, 22, 1039-1058.	0.4	2
160	Browsing Behavior Analysis from Wi-Fi Logs Based on Community Detection: Case Study on Educational Institution. , 2018, , .		1
161	Local Aggregated Differential Evolution Algorithm for Community Detection in Complex Networks. , 2018, , .		1
162	Kernel Graph Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018, , 22-32.	1.0	19
163	Community detection for multi-layer social network based on local random walk. <i>Journal of Visual Communication and Image Representation</i> , 2018, 57, 91-98.	1.7	16
164	The stability of coastal benthic biogeography over the last 10 million years. <i>Global Ecology and Biogeography</i> , 2018, 27, 1106-1120.	2.7	13
165	A nonuniform popularity-similarity optimization (nPSO) model to efficiently generate realistic complex networks with communities. <i>New Journal of Physics</i> , 2018, 20, 052002.	1.2	61
166	Weighted Stochastic Block Models of the Human Connectome across the Life Span. <i>Scientific Reports</i> , 2018, 8, 12997.	1.6	70
167	Community Detection Based on Differential Evolution Using Modularity Density. <i>Information (Switzerland)</i> , 2018, 9, 218.	1.7	13

#	ARTICLE	IF	CITATIONS
168	Community detection based on preferred mode in bipartite networks. <i>Modern Physics Letters B</i> , 2018, 32, 1850330.	1.0	1
169	Network approach to tourist segmentation via user generated content. <i>Annals of Tourism Research</i> , 2018, 73, 35-47.	3.7	36
170	Reconstruction of the socio-semantic dynamics of political activist Twitter networksâ€™ Method and application to the 2017 French presidential election. <i>PLoS ONE</i> , 2018, 13, e0201879.	1.1	39
171	Simplified Energy Landscape for Modularity Using Total Variation. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 2439-2464.	0.8	8
172	Stock market as temporal network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 1104-1112.	1.2	56
173	Community detection in complex networks using deep auto-encoded extreme learning machine. <i>Modern Physics Letters B</i> , 2018, 32, 1850180.	1.0	7
174	Randomizing growing networks with a time-respecting null model. <i>Physical Review E</i> , 2018, 97, 052311.	0.8	13
175	Overlapping community detection with preference and locality information: a non-negative matrix factorization approach. <i>Social Network Analysis and Mining</i> , 2018, 8, 1.	1.9	3
176	Graph slepians to strike a balance between local and global network interactions: Application to functional brain imaging. , 2018, , .		4
177	Random walks on the world inputâ€™output network. <i>Journal of Complex Networks</i> , 2018, 6, 187-205.	1.1	15
178	Systems protobiology: origin of life in lipid catalytic networks. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180159.	1.5	102
179	Combining Non-negative Matrix Factorization and Sparse Coding for Functional Brain Overlapping Community Detection. <i>Cognitive Computation</i> , 2018, 10, 991-1005.	3.6	6
180	Functional Interactions in Complex Networks: A Three-Step Methodology for the Implementation of the Relevance Index (RI). <i>Communications in Computer and Information Science</i> , 2018, , 212-228.	0.4	0
181	DAVE: Extracting Domain Attributes and Values from Text Corpus. <i>Lecture Notes in Computer Science</i> , 2018, , 431-439.	1.0	1
182	Compressing Networks with Super Nodes. <i>Scientific Reports</i> , 2018, 8, 10892.	1.6	22
183	Network Modularity and Hierarchical Structure in Breast Cancer Molecular Subtypes. <i>Springer Proceedings in Complexity</i> , 2018, , 352-358.	0.2	18
184	Stochastic block model reveals maps of citation patterns and their evolution in time. <i>Journal of Informetrics</i> , 2018, 12, 757-783.	1.4	12
185	Community detection by laser network dynamics. <i>Journal of Physics Communications</i> , 2018, 2, 015005.	0.5	2

#	ARTICLE	IF	CITATIONS
186	Multilayer Social Networks. , 2018, , 679-697.		1
187	Leveraging the nonuniform PSO network model as a benchmark for performance evaluation in community detection and link prediction. New Journal of Physics, 2018, 20, 063022.	1.2	25
188	Network community detection using modularity density measures. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 053406.	0.9	22
189	Community detection in national-scale high voltage transmission networks using genetic algorithms. Advanced Engineering Informatics, 2018, 38, 232-241.	4.0	28
190	Exploring temporal community structure and constant evolutionary pattern hiding in dynamic networks. Neurocomputing, 2018, 314, 224-233.	3.5	14
191	Multiresolution Consensus Clustering in Networks. Scientific Reports, 2018, 8, 3259.	1.6	119
192	A generalised significance test for individual communities in networks. Scientific Reports, 2018, 8, 7351.	1.6	18
193	Robust Detection of Communities with Multi-semantics in Large Attributed Networks. Lecture Notes in Computer Science, 2018, , 362-376.	1.0	11
194	Stad: Stateful Diffusion for Linear Time Community Detection. , 2018, , .		0
195	I/O-Efficient Generation of Massive Graphs Following the <i>LFR</i> Benchmark. Journal of Experimental Algorithmics, 2018, 23, 1-33.	0.7	12
196	Distributed Graph Clustering Using Modularity and Map Equation. Lecture Notes in Computer Science, 2018, , 688-702.	1.0	4
197	Adaptive community detection incorporating topology and content in social networks. Knowledge-Based Systems, 2018, 161, 342-356.	4.0	56
198	Autoencoder Based Community Detection with Adaptive Integration of Network Topology and Node Contents. Lecture Notes in Computer Science, 2018, , 184-196.	1.0	14
199	A Network Embedding-Enhanced Approach for Generalized Community Detection. Lecture Notes in Computer Science, 2018, , 383-395.	1.0	2
200	On entropy research analysis: cross-disciplinary knowledge transfer. Scientometrics, 2018, 117, 123-139.	1.6	8
201	An Extreme Learning Machine-Based Community Detection Algorithm in Complex Networks. Complexity, 2018, 2018, 1-10.	0.9	7
202	Structure-oriented prediction in complex networks. Physics Reports, 2018, 750, 1-51.	10.3	36
203	Empirical Analyses of Networks in Finance. Handbook of Computational Economics, 2018, , 637-685.	1.6	18

#	ARTICLE	IF	CITATIONS
204	Revealing in-block nestedness: Detection and benchmarking. <i>Physical Review E</i> , 2018, 97, 062302.	0.8	23
205	Spatial distance and climate determine modularity in a cross-biomes plant-hummingbird interaction network in Brazil. <i>Journal of Biogeography</i> , 2018, 45, 1846-1858.	1.4	35
206	Cancer-mutation network and the number and specificity of driver mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6010-E6019.	3.3	91
207	Importance of initial conditions in the polarization of complex networks. <i>Europhysics Letters</i> , 2018, 122, 38002.	0.7	2
208	A Survey of Social Network Analysis Techniques and their Applications to Socially Aware Networking. <i>IEICE Transactions on Communications</i> , 2019, E102.B, 17-39.	0.4	16
209	Community Detection Using Node Attributes: A Non-negative Matrix Factorization Approach. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 275-285.	0.5	3
210	Fast detection of community structures using graph traversal in social networks. <i>Knowledge and Information Systems</i> , 2019, 59, 1-31.	2.1	14
211	LPANNI: Overlapping Community Detection Using Label Propagation in Large-Scale Complex Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019, 31, 1736-1749.	4.0	80
212	On the detection of transitive clusters in undirected networks. <i>Journal of Applied Statistics</i> , 2019, 46, 364-384.	0.6	6
213	Tensor Based Temporal and Multilayer Community Detection for Studying Brain Dynamics During Resting State fMRI. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 695-709.	2.5	32
214	Understanding structure and behavior of systems: a network perspective. <i>International Journal of Information Technology (Singapore)</i> , 2019, , 1.	1.8	2
215	A time-series approach to measuring node similarity in networks and its application to community detection. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125870.	0.9	4
216	Immunization of networks with non-overlapping community structure. <i>Social Network Analysis and Mining</i> , 2019, 9, 1.	1.9	42
217	Finding communities in bicycle sharing system. <i>Journal of Visualization</i> , 2019, 22, 1177-1192.	1.1	8
218	A novel framework for community modeling and characterization in directed temporal networks. <i>Applied Network Science</i> , 2019, 4, .	0.8	4
219	Community structure in co-inventor networks affects time to first citation for patents. <i>Applied Network Science</i> , 2019, 4, .	0.8	4
220	Stochastic block models with multiple continuous attributes. <i>Applied Network Science</i> , 2019, 4, .	0.8	29
221	Empirical analysis of synthetic and real networks. <i>International Journal of Information Technology (Singapore)</i> , 2022, 14, 1061-1073.	1.8	3

#	ARTICLE	IF	CITATIONS
222	News media's framing of health policy and its implications for government communication: A text mining analysis of news coverage on a policy to expand health insurance coverage in South Korea. <i>Health Policy</i> , 2019, 123, 1116-1124.	1.4	9
223	Uncovering complex overlapping pattern of communities in large-scale social networks. <i>Applied Network Science</i> , 2019, 4, .	0.8	4
224	Neighbor Similarity Based Agglomerative Method for Community Detection in Networks. <i>Complexity</i> , 2019, 2019, 1-16.	0.9	10
225	Does Science Advance One Funeral at a Time?. <i>American Economic Review</i> , 2019, 109, 2889-2920.	4.0	140
226	Map equation with metadata: Varying the role of attributes in community detection. <i>Physical Review E</i> , 2019, 100, 022301.	0.8	12
227	Centrality in modular networks. <i>EPJ Data Science</i> , 2019, 8, .	1.5	59
228	Learning Resolution Parameters for Graph Clustering. , 2019, , .		4
229	A system-wide network reconstruction of gene regulation and metabolism in <i>Escherichia coli</i> . <i>PLoS Computational Biology</i> , 2019, 15, e1006962.	1.5	12
230	Auto-weighted Multi-view learning for Semi-Supervised graph clustering. <i>Neurocomputing</i> , 2019, 362, 19-32.	3.5	12
232	Efficient personalized community detection via genetic evolution. , 2019, , .		2
233	Improving Environmental Interventions by Understanding Information Flows. <i>Trends in Ecology and Evolution</i> , 2019, 34, 1034-1047.	4.2	42
234	Community Detection Using Restrained Random-walk Similarity. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019, 43, 1-1.	9.7	12
235	Industrial Productivity Divergence and Input-Output Network Structures: Evidence from Japan 1973-2012. <i>Economies</i> , 2019, 7, 52.	1.2	4
236	Community detection with the Label Propagation Algorithm: A survey. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 122058.	1.2	76
237	Centrality in Complex Networks with Overlapping Community Structure. <i>Scientific Reports</i> , 2019, 9, 10133.	1.6	66
238	News Frame Analysis: An Inductive Mixed-method Computational Approach. <i>Communication Methods and Measures</i> , 2019, 13, 248-266.	3.0	103
239	Using Social Network Information in Community-Based Bayesian Truth Discovery. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2019, 5, 525-537.	1.6	11
240	Community Detection in Social Networks Considering Topic Correlations. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019, 33, 321-328.	3.6	11

#	ARTICLE	IF	CITATIONS
241	InfoFlow: A Distributed Algorithm to Detect Communities According to the Map Equation. <i>Big Data and Cognitive Computing</i> , 2019, 3, 42.	2.9	1
242	CDLIB: a python library to extract, compare and evaluate communities from complex networks. <i>Applied Network Science</i> , 2019, 4, .	0.8	73
243	Coevolution spreading in complex networks. <i>Physics Reports</i> , 2019, 820, 1-51.	10.3	180
244	DeCODE: a community-based algorithm for generating high-quality decompositions of optimization problems. <i>Optimization and Engineering</i> , 2019, 20, 1067-1084.	1.3	17
245	Stochastic block models: A comparison of variants and inference methods. <i>PLoS ONE</i> , 2019, 14, e0215296.	1.1	39
246	Improving the Performance of an Integer Linear Programming Community Detection Algorithm Through Clique Filtering. <i>Lecture Notes in Computer Science</i> , 2019, , 757-769.	1.0	3
247	Multivariate Spatiotemporal Hawkes Processes and Network Reconstruction. <i>SIAM Journal on Mathematics of Data Science</i> , 2019, 1, 356-382.	1.0	26
248	Optimal timescale for community detection in growing networks. <i>New Journal of Physics</i> , 2019, 21, 093066.	1.2	3
249	Filter-Free Selective Light Monitoring by Organic Field-Effect Transistor Memories with a Tunable Blend Charge-Trapping Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 40366-40371.	4.0	25
250	Network-based piecewise linear regression for QSAR modelling. <i>Journal of Computer-Aided Molecular Design</i> , 2019, 33, 831-844.	1.3	13
251	<i>Nature behind Barbed Wire: An Environmental History of Japanese American Incarceration</i>. By Connie Chiang. New York: Oxford University Press, 2018. xvi + 312 pp. Illustrations, map, notes, bibliography, and index. Cloth \$35.00, e-book \$35.00.. <i>Environmental History</i> , 2019, 24, 819-821.	0.1	0
252	Finding Better Web Communities in Digraphs via Max-Flow Min-Cut. , 2019, , .		3
253	Ego-zones: non-symmetric dependencies reveal network groups with large and dense overlaps. <i>Applied Network Science</i> , 2019, 4, .	0.8	7
254	Rewiring and indirect effects underpin modularity reshuffling in a marine food web under environmental shifts. <i>Ecology and Evolution</i> , 2019, 9, 11631-11646.	0.8	20
255	Norman A. Kutcher. Eunuch and Emperor in the Great Age of Qing Rule.. <i>American Historical Review</i> , 2019, 124, 1439-1440.	0.0	0
256	Characterization of fracture in topology-optimized bioinspired networks. <i>Physical Review E</i> , 2019, 100, 042402.	0.8	8
257	Reveal Community Structure by Local Similarity and Hierarchical Clustering. <i>IEEE Access</i> , 2019, 7, 138694-138706.	2.6	0
258	Detecting and Tracking Community Structure in Temporal Networks: A Low-Rank + Sparse Estimation Based Evolutionary Clustering Approach. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2019, 5, 723-738.	1.6	10

#	ARTICLE	IF	CITATIONS
259	Micro-, meso-, macroscales: The effect of triangles on communities in networks. <i>Physical Review E</i> , 2019, 100, 022315.	0.8	10
260	Community Detection and Visualization in Complex Network by the Density-Canopy-Kmeans Algorithm and MDS Embedding. <i>IEEE Access</i> , 2019, 7, 120616-120625.	2.6	6
261	Assessment of network module identification across complex diseases. <i>Nature Methods</i> , 2019, 16, 843-852.	9.0	213
262	Community detection based on Game Theory. <i>Engineering Applications of Artificial Intelligence</i> , 2019, 85, 773-782.	4.3	45
263	A scalable node ordering strategy based on community structure for enhanced temporal network visualization. <i>Computers and Graphics</i> , 2019, 84, 185-198.	1.4	18
264	Ensemble clustering for graphs: comparisons and applications. <i>Applied Network Science</i> , 2019, 4, .	0.8	13
265	Network Embedding Using Semi-Supervised Kernel Nonnegative Matrix Factorization. <i>IEEE Access</i> , 2019, 7, 92732-92744.	2.6	9
266	FluidC+: A novel community detection algorithm based on fluid propagation. <i>International Journal of Modern Physics C</i> , 2019, 30, 1950021.	0.8	1
268	Mapping Stratification: The Industry-Occupation Space Reveals the Network Structure of Inequality. <i>SSRN Electronic Journal</i> , 2019, , .	0.4	1
269	The Compound Graph: A Case Study for Community Visualisation in Social Networks. , 2019, , .		2
270	Uyghur Text Detection in Natural Scene Images. , 2019, , .		0
271	Network Reconstruction and Community Detection from Dynamics. <i>Physical Review Letters</i> , 2019, 123, 128301.	2.9	87
272	The politics of physicists' social models. <i>Comptes Rendus Physique</i> , 2019, 20, 380-386.	0.3	4
273	Anomaly Detection Method for Online Discussion. <i>Procedia Computer Science</i> , 2019, 155, 311-318.	1.2	4
274	An overlapping community detection algorithm based on node distance of line graph. <i>Modern Physics Letters B</i> , 2019, 33, 1950322.	1.0	3
275	Integrating Geovisual Analytics with Machine Learning for Human Mobility Pattern Discovery. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 434.	1.4	10
276	Discovering Topic-Oriented Highly Interactive Online Communities. <i>Frontiers in Big Data</i> , 2019, 2, 10.	1.8	3
277	Detecting communities from networks based on their intrinsic properties. <i>International Journal of Modern Physics C</i> , 2019, 30, 1950104.	0.8	2

#	ARTICLE	IF	CITATIONS
278	Defining a historic football team: Using Network Science to analyze Guardiola's F.C. Barcelona. Scientific Reports, 2019, 9, 13602.	1.6	46
279	A network-based comparative study of extreme tropical and frontal storm rainfall over Japan. Climate Dynamics, 2019, 53, 521-532.	1.7	22
280	Social Community Detection. Studies in Computational Intelligence, 2019, , 151-168.	0.7	5
281	V Mediterranean School of Complex Networks. Journal of Complex Networks, 2019, 7, 306-314.	1.1	0
282	Cluster-preserving sampling from fully-dynamic streaming graphs. Information Sciences, 2019, 482, 279-300.	4.0	6
283	The use of multilayer network analysis in animal behaviour. Animal Behaviour, 2019, 149, 7-22.	0.8	116
284	Community detection based on information dynamics. Neurocomputing, 2019, 359, 341-352.	3.5	13
285	Local Expansion and Optimization for Higher-Order Graph Clustering. IEEE Internet of Things Journal, 2019, 6, 8702-8713.	5.5	10
286	Community Detection through Likelihood Optimization: In Search of a Sound Model. , 2019, , .		23
287	Nestedness in complex networks: Observation, emergence, and implications. Physics Reports, 2019, 813, 1-90.	10.3	127
289	Effect of antipsychotics on community structure in functional brain networks. Journal of Complex Networks, 2019, 7, 932-960.	1.1	12
290	Influence of augmented humans in online interactions during voting events. PLoS ONE, 2019, 14, e0214210.	1.1	29
291	Business Network Analytics: From Graphs to Supernetworks. , 2019, , 307-400.		2
292	Modeling the Local and Global Evolution Pattern of Community Structures for Dynamic Networks Analysis. IEEE Access, 2019, 7, 71350-71360.	2.6	8
293	Community discovering in temporal network with spectral fusion. Chaos, 2019, 29, 043122.	1.0	4
294	New Community Estimation Method in Bipartite Networks Based on Quality of Filtering Coefficient. Scientific Programming, 2019, 2019, 1-12.	0.5	2
295	Detecting core-periphery structures by surprise. Europhysics Letters, 2019, 125, 68001.	0.7	18
296	A novel node gravitation-based label propagation algorithm for community detection. International Journal of Modern Physics C, 2019, 30, 1950049.	0.8	10

#	ARTICLE	IF	CITATIONS
297	Evaluating Overfit and Underfit in Models of Network Community Structure. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1722-1735.	4.0	57
298	New magnetic algorithm to detect community structure based on the magnetsâ€™ approach. Modern Physics Letters B, 2019, 33, 1950166.	1.0	3
299	FCMiner: mining functional communities in social networks. Social Network Analysis and Mining, 2019, 9, 1.	1.9	4
300	Community Detection in Sparse Realistic Graphs: Improving the Bethe Hessian. , 2019, , .		3
301	Reconstructing Mesoscale Network Structures. Complexity, 2019, 2019, 1-13.	0.9	13
302	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
303	GA-Based Q-Attack on Community Detection. IEEE Transactions on Computational Social Systems, 2019, 6, 491-503.	3.2	63
304	A novel complex network community detection approach using discrete particle swarm optimization with particle diversity and mutation. Applied Soft Computing Journal, 2019, 81, 105476.	4.1	36
305	Machine Learning for Sociology. Annual Review of Sociology, 2019, 45, 27-45.	3.1	128
306	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
307	Spectral Partitioning of Time-varying Networks with Unobserved Edges. , 2019, , .		5
308	Low-rank Estimation Based Evolutionary Clustering for Community Detection in Temporal Networks. , 2019, , .		2
309	GDTM: A Gaussian Dynamic Topic Model for Forwarding Prediction Under Complex Mechanisms. IEEE Transactions on Computational Social Systems, 2019, 6, 338-349.	3.2	5
310	Overlapping community detection via preferential learning model. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121265.	1.2	8
311	Mixing patterns and individual differences in networks. Physical Review E, 2019, 99, 042306.	0.8	17
312	A Network Data Science Approach to People Analytics. Information Resources Management Journal, 2019, 32, 28-51.	0.8	12
313	Finding placement-relevant clusters with fast modularity-based clustering. , 2019, , .		6
314	Portfolio Risk and the Quantum Majorization of Correlation Matrices. SSRN Electronic Journal, 2019, , .	0.4	2

#	ARTICLE	IF	CITATIONS
315	Centrality-based identification of important edges in complex networks. <i>Chaos</i> , 2019, 29, 033115.	1.0	38
316	Effective Link Prediction Based on Community Relationship Strength. <i>IEEE Access</i> , 2019, 7, 43233-43248.	2.6	23
317	Mesoscale Structures in World City Networks. <i>Annals of the American Association of Geographers</i> , 2019, 109, 887-908.	1.5	25
318	Co-Association Matrix-Based Multi-Layer Fusion for Community Detection in Attributed Networks. <i>Entropy</i> , 2019, 21, 95.	1.1	8
319	SCE: Subspace-based core expansion method for community detection in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121084.	1.2	13
320	Cooperation of local and collective synchronization in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120963.	1.2	4
321	Identifying multi-scale communities in networks by asymptotic surprise. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 033403.	0.9	16
322	Fast consensus clustering in complex networks. <i>Physical Review E</i> , 2019, 99, 042301.	0.8	25
323	Structural transition in social networks: The role of homophily. <i>Scientific Reports</i> , 2019, 9, 4310.	1.6	27
324	The coupling strength versus convergence speed in pinning control. <i>Nonlinear Dynamics</i> , 2019, 96, 1055-1066.	2.7	4
325	Process network modularity, commonality, and greenhouse gas emissions. <i>Journal of Operations Management</i> , 2019, 65, 93-113.	3.3	22
326	Clustering method based on the elastic energy functional of directed signed weighted graphs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 392-407.	1.2	2
327	Community structure detection from networks with weighted modularity. <i>Pattern Recognition Letters</i> , 2019, 122, 14-22.	2.6	21
328	A Semantic Community Detection Algorithm Based on Quantizing Progress. <i>Complexity</i> , 2019, 2019, 1-13.	0.9	3
329	Understanding the Comorbidity of Multiple Chronic Diseases Using a Network Approach. , 2019, , .		4
331	The Climate System. , 2019, , 1-13.		0
332	Climate Variability. , 2019, , 14-26.		0
333	Climate Data Analysis. , 2019, , 27-47.		1

#	ARTICLE	IF	CITATIONS
334	Climate Networks: Construction Methods and Analysis. , 2019, , 48-78.		0
335	Computational Tools for Network Analysis. , 2019, , 79-93.		0
336	Applications to Atmospheric Variability. , 2019, , 94-129.		0
337	Applications to Oceanic Variability. , 2019, , 130-160.		0
338	Climate Tipping Behavior. , 2019, , 161-197.		0
339	Network-Based Prediction. , 2019, , 198-215.		0
342	Brokers in a destination's knowledge networks. Journal of Destination Marketing & Management, 2019, 11, 120-129.	3.4	13
343	Evolutionary clustering via graph regularized nonnegative matrix factorization for exploring temporal networks. Knowledge-Based Systems, 2019, 167, 1-10.	4.0	16
344	Multi-objective ant colony optimization algorithm based on decomposition for community detection in complex networks. Soft Computing, 2019, 23, 12683-12709.	2.1	26
345	Meta-Circuit machine: Inferencing human collaborative relationships in heterogeneous information networks. Information Processing and Management, 2019, 56, 844-857.	5.4	12
346	Modular decomposition of protein structure using community detection. Journal of Complex Networks, 2019, 7, 101-113.	1.1	6
347	Parameter-free Community Detection through Distance Dynamic Synchronization. Computer Journal, 2019, 62, 1625-1638.	1.5	0
348	Generalized rich-club ordering in networks. Journal of Complex Networks, 2019, 7, 702-719.	1.1	14
349	Modular Organization and Emergence in Systems Biology. , 2019, , 37-49.		5
350	Community detection method based on robust semi-supervised nonnegative matrix factorization. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 279-291.	1.2	6
351	Incorporating Network Embedding into Markov Random Field for Better Community Detection. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 160-167.	3.6	23
352	Exploratory Community Detection: Finding Communities in Unknown Networks. , 2019, , .		0
353	Multi-level fuzzy overlapping community detection algorithm for weighted networks. International Journal of Data Science, 2019, 4, 351.	0.1	0

#	ARTICLE	IF	CITATIONS
354	Macro- and mesoscale pattern interdependencies in complex networks. Journal of the Royal Society Interface, 2019, 16, 20190553.	1.5	9
355	Centrality and community detection: a co-marketing multilayer network. Journal of Business and Industrial Marketing, 2019, 34, 1749-1762.	1.8	6
356	Evolutionary Algorithms for Community Detection in Continental-Scale High-Voltage Transmission Grids. Symmetry, 2019, 11, 1472.	1.1	7
357	Discovering communities of community discovery. , 2019, , .		2
358	A UNIFIED COMMUNITY DETECTION ALGORITHM IN LARGE-SCALE COMPLEX NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 22, 1950004.	0.9	3
359	Discrete Overlapping Community Detection with Pseudo Supervision. , 2019, , .		16
360	PERCeIDs: PERiodic Community Detection. , 2019, , .		5
361	Community detection based on Graph Coloring. , 2019, , .		3
362	Measuring intrinsic significance of community structure. International Journal of Modern Physics C, 2019, 30, 1950068.	0.8	1
363	Optimizing Variational Graph Autoencoder for Community Detection. , 2019, , .		5
364	Discovering Robustly Connected Subgraphs with Simple Descriptions. , 2019, , .		2
365	Fog Seeding Strategies for Information-Centric Heterogeneous Vehicular Networks. , 2019, , .		3
366	Clustering on Dynamic Graphs Based on Total Variation. , 2019, , .		1
367	An Evolutionary Algorithm for Community Detection Using an Improved Mutation Operator. , 2019, , .		0
368	Enhancing link prediction by exploring community membership of nodes. International Journal of Modern Physics B, 2019, 33, 1950382.	1.0	8
369	Detecting Overlapping Community Structure With Node Influence. IEEE Access, 2019, 7, 171223-171234.	2.6	3
370	Deep Autoâ€encoded Clustering Algorithm for Community Detection in Complex Networks. Chinese Journal of Electronics, 2019, 28, 489-496.	0.7	15
371	Finding Mutual X at WeChat-Scale Social Network in Ten Minutes. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
372	An Improved LFM Algorithm Based on Fitness Function and Community Similarity. , 2019, , .		0
373	Detecting community structure by belonging intensity analysis of intermediate nodes. International Journal of Modern Physics C, 2019, 30, 1950079.	0.8	0
374	Identifying Travel Regions Using Location-Based Social Network Check-in Data. Frontiers in Big Data, 2019, 2, 12.	1.8	7
375	Voter model on networks partitioned into two cliques of arbitrary sizes. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 505701.	0.7	7
376	Node Embedding With a \$CN\$ -Based Random Walk for Community Search. IEEE Access, 2019, 7, 169953-169960.	2.6	0
377	A Bayesian Inference Method Using Monte Carlo Sampling for Estimating the Number of Communities in Bipartite Networks. Scientific Programming, 2019, 2019, 1-12.	0.5	1
378	Computing the statistical significance of optimized communities in networks. Scientific Reports, 2019, 9, 18444.	1.6	8
379	Spectral Algorithm for Community Detection Under Heterogeneous Networks. , 2019, , .		0
381	A Community Based Routing Algorithm for Mobile Opportunistic Networks. , 2019, , .		0
382	Relating Modularity Maximization and Stochastic Block Models in Multilayer Networks. SIAM Journal on Mathematics of Data Science, 2019, 1, 667-698.	1.0	16
383	Determining the Hierarchical Architecture of the Human Brain Using Subject-Level Clustering of Functional Networks. Scientific Reports, 2019, 9, 19290.	1.6	63
384	Efficient Distributed Community Detection in the Stochastic Block Model. , 2019, , .		4
385	An ant colony approach in the detection of communities in complex networks. AIP Conference Proceedings, 2019, , .	0.3	0
386	The Central Community of Twitter ego-Networks as a Means for Fake Influencer Detection. , 2019, , .		5
387	Detection of Communities in Large Scale Networks. , 2019, , .		2
388	Community detection in networks: a game-theoretic framework. Eurasip Journal on Advances in Signal Processing, 2019, 2019, .	1.0	1
389	Graph clustering in industrial networks. IMA Journal of Applied Mathematics, 2019, 84, 1177-1202.	0.8	2
390	A Refactoring Approach for Too Large Packages Using Community Detection and Dependency-based Impacts. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
391	Analysis of Community In Social Networks Based on Game Theory. , 2019, , .		7
392	Interdependency and Vulnerability of Multipartite Networks under Target Node Attacks. Complexity, 2019, 2019, 1-16.	0.9	12
393	Socio-Material Archaeological Networks at ÆtatalhÃ¶yÃ¼k a Community Detection Approach. Frontiers in Digital Humanities, 2019, 6, .	1.2	10
394	Parallel Heuristic Community Detection Method Based on Node Similarity. IEEE Access, 2019, 7, 184145-184159.	2.6	2
395	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
396	Research on influence spread of scientific research team based on scientific factor quantification of big data. International Journal of Distributed Sensor Networks, 2019, 15, 155014771984215.	1.3	3
397	Nine quick tips for analyzing network data. PLoS Computational Biology, 2019, 15, e1007434.	1.5	23
398	Scalable Community Detection In The Heterogeneous Stochastic Block Model. , 2019, , .		2
399	Stability of spontaneous, correlated activity in mouse auditory cortex. PLoS Computational Biology, 2019, 15, e1007360.	1.5	21
400	The Differential Role of Central and Bridge Symptoms in Deactivating Psychopathological Networks. Frontiers in Psychology, 2019, 10, 2448.	1.1	45
401	Phase transitions, collective emotions and decision-making problem in heterogeneous social systems. Scientific Reports, 2019, 9, 18039.	1.6	29
402	The time varying network of urban space uses in Milan. Applied Network Science, 2019, 4, .	0.8	6
403	Deep Learning Based Topics Detection. , 2019, , .		3
404	Networks clustering with bee colony. Artificial Intelligence Review, 2019, 52, 1297-1309.	9.7	3
405	Reliable Link Inference for Network Data With Community Structures. IEEE Transactions on Cybernetics, 2019, 49, 3347-3361.	6.2	21
406	Identifying influential spreaders based on edge ratio and neighborhood diversity measures in complex networks. Computing (Vienna/New York), 2019, 101, 1147-1175.	3.2	24
408	Diffusion on hierarchical systems of weakly-coupled networks. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 675-686.	1.2	8
409	Digging into it: Community detection via hidden attributes analysis. Neurocomputing, 2019, 331, 97-107.	3.5	6

#	ARTICLE	IF	CITATIONS
410	A General framework for studying the evolution of the digital innovation ecosystem: The case of big data. <i>International Journal of Information Management</i> , 2019, 45, 83-94.	10.5	87
411	Where shall we sync? Clustering passenger flows to identify urban public transport hubs and their key synchronization priorities. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 98, 433-448.	3.9	35
412	Distributed decision making for intensified process systems. <i>Current Opinion in Chemical Engineering</i> , 2019, 25, 75-81.	3.8	16
413	Comparative clustering of destination attractions for different origin markets with network and spatial analyses of online reviews. <i>Tourism Management</i> , 2019, 72, 400-410.	5.8	75
414	An Empirical Study on Community Detection Algorithms. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 35-44.	0.5	0
415	Ensemble Clustering for Graphs. <i>Studies in Computational Intelligence</i> , 2019, , 231-243.	0.7	11
416	Perspectives on the evolution of online communities. <i>Behaviour and Information Technology</i> , 2019, 38, 592-608.	2.5	2
417	Transformation from Graphs to Signals and Back. <i>Signals and Communication Technology</i> , 2019, , 111-139.	0.4	1
418	A new method bridging graph theory and residue co-evolutionary networks for specificity determinant positions detection. <i>Bioinformatics</i> , 2019, 35, 1478-1485.	1.8	5
419	Control principles for complex biological networks. <i>Briefings in Bioinformatics</i> , 2019, 20, 2253-2266.	3.2	46
420	Distributed control and optimization of process system networks: A review and perspective. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1461-1473.	1.7	14
421	Visualization and machine learning analysis of complex networks in hyperspherical space. <i>Pattern Recognition</i> , 2019, 86, 320-331.	5.1	11
422	Returning the particular: Understanding hierarchies in the Belgian logistics system. <i>Journal of Transport Geography</i> , 2019, 76, 315-324.	2.3	10
423	Privacy-preserved community discovery in online social networks. <i>Future Generation Computer Systems</i> , 2019, 93, 1002-1009.	4.9	27
424	An attribute-based community search method with graph refining. <i>Journal of Supercomputing</i> , 2020, 76, 7777-7804.	2.4	16
425	Multilayer Flows in Molecular Networks Identify Biological Modules in the Human Proteome. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 411-420.	4.1	14
426	Community detection in attributed networks considering both structural and attribute similarities: two mathematical programming approaches. <i>Neural Computing and Applications</i> , 2020, 32, 3203-3220.	3.2	21
427	Network Analysis of Behaviors in the Depression and Autism Realms: Inter-Relationships and Clinical Implications. <i>Journal of Autism and Developmental Disorders</i> , 2020, 50, 1580-1595.	1.7	41

#	ARTICLE	IF	CITATIONS
428	Boosted seed oversampling for local community ranking. Information Processing and Management, 2020, 57, 102053.	5.4	7
429	Stochastic Block Models are a Discrete Surface Tension. Journal of Nonlinear Science, 2020, 30, 2429-2462.	1.0	3
430	MCNF: A Novel Method for Cancer Subtyping by Integrating Multi-Omics and Clinical Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 1682-1690.	1.9	10
431	Evaluation of the Sample Clustering Process on Graphs. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1333-1347.	4.0	5
432	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
433	Unifying the Notions of Modularity and Core-Periphery Structure in Functional Brain Networks during Youth. Cerebral Cortex, 2020, 30, 1087-1102.	1.6	16
434	Grouping and filtering. , 2020, , 95-113.		0
435	Revealing the fatigue crack initiation mechanism of a TiB2-reinforced steel matrix composite. International Journal of Fatigue, 2020, 130, 105276.	2.8	18
436	Opinion leader detection using whale optimization algorithm in online social network. Expert Systems With Applications, 2020, 142, 113016.	4.4	59
437	Topic-aware joint analysis of overlapping communities and roles in social media. International Journal of Data Science and Analytics, 2020, 9, 415-429.	2.4	1
438	On the Robustness of Complex Systems With Multipartitivity Structures Under Node Attacks. IEEE Transactions on Control of Network Systems, 2020, 7, 106-117.	2.4	9
439	A local community detection algorithm based on internal force between nodes. Applied Intelligence, 2020, 50, 328-340.	3.3	36
440	Industry classification with online resume big data: A design science approach. Information and Management, 2020, 57, 103182.	3.6	10
441	Modularity in Multilayer Networks Using Redundancy-Based Resolution and Projection-Based Inter-Layer Coupling. IEEE Transactions on Network Science and Engineering, 2020, 7, 1198-1214.	4.1	7
442	The Parameterised Complexity of Computing the Maximum Modularity of a Graph. Algorithmica, 2020, 82, 2174-2199.	1.0	4
443	Influence maximization by rumor spreading on correlated networks through community identification. Communications in Nonlinear Science and Numerical Simulation, 2020, 83, 105094.	1.7	28
444	Hierarchy and the Provision of Order in International Politics. Journal of Politics, 2020, 82, 731-746.	1.4	15
445	Structure in personal networks: Constructing and comparing typologies. Network Science, 2020, 8, 142-167.	0.8	74

#	ARTICLE	IF	CITATIONS
446	Coreâ€periphery organization of the cryptocurrency market inferred by the modularity operator. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123075.	1.2	7
447	Spectral partitioning identifies individual heterogeneity in the functional network topography of ventral and anterior medial prefrontal cortex. <i>NeuroImage</i> , 2020, 205, 116305.	2.1	13
448	Syntgen: a system to generate temporal networks with user-specified topology. <i>Journal of Complex Networks</i> , 2020, 8, .	1.1	0
449	User interaction-oriented community detection based on cascading analysis. <i>Information Sciences</i> , 2020, 510, 70-88.	4.0	16
450	The Database of Cross-Linguistic Colexifications, reproducible analysis of cross-linguistic polysemies. <i>Scientific Data</i> , 2020, 7, 13.	2.4	60
451	Automatic Multiscale Approach for Water Networks Partitioning into Dynamic District Metered Areas. <i>Water Resources Management</i> , 2020, 34, 835-848.	1.9	37
452	Measuring similarity in co-occurrence data using ego-networks. <i>Chaos</i> , 2020, 30, 013101.	1.0	12
453	An improved multi-objective evolutionary algorithm for detecting communities in complex networks with graphlet measure. <i>Computer Networks</i> , 2020, 169, 107070.	3.2	3
454	Integrating overlapping community discovery and role analysis: Bayesian probabilistic generative modeling and mean-field variational inference. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 89, 103437.	4.3	8
455	LGIEM: Global and local node influence based community detection. <i>Future Generation Computer Systems</i> , 2020, 105, 533-546.	4.9	77
456	Computational network biology: Data, models, and applications. <i>Physics Reports</i> , 2020, 846, 1-66.	10.3	126
457	Autonomous Semantic Community Detection via Adaptively Weighted Low-rank Approximation. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2019, 15, 1-22.	3.0	6
458	A ground truth contest between modularity maximization and modularity density maximization. <i>Artificial Intelligence Review</i> , 2020, 53, 4575-4599.	9.7	4
459	Graph-based label propagation algorithm for community detection. <i>International Journal of Machine Learning and Cybernetics</i> , 2020, 11, 1319-1329.	2.3	20
460	Analyzing co-authoring communities of tourism research collaboration. <i>Tourism Management Perspectives</i> , 2020, 33, 100607.	3.2	12
461	Community detection algorithm based on nonnegative matrix factorization and pairwise constraints. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123491.	1.2	21
462	Linking personality types to depressive symptoms: A prospective typology based on neuroticism, extraversion and conscientiousness. <i>Neuropsychologia</i> , 2020, 136, 107289.	0.7	17
463	Community structure: A comparative evaluation of community detection methods. <i>Network Science</i> , 2020, 8, 1-41.	0.8	36

#	ARTICLE	IF	CITATIONS
464	Hierarchical clustering of bipartite data sets based on the statistical significance of coincidences. <i>Physical Review E</i> , 2020, 102, 042304.	0.8	0
465	Empirical Analysis of Bitcoin network (2016-2020). , 2020, , .		6
466	Unsupervised Euclidean Distance Attack on Network Embedding. , 2020, , .		7
467	An Exploratory Analysis of Networked and Spatial Characteristics of International Natural Resource Trades (2000â€“2016). <i>Sustainability</i> , 2020, 12, 7765.	1.6	0
468	Temporal flow of hubs and connectivity in the human brain. <i>NeuroImage</i> , 2020, 223, 117348.	2.1	13
469	Evidence from Network Analysis application to Innovation Systems and Quintuple Helix. <i>Technological Forecasting and Social Change</i> , 2020, 161, 120306.	6.2	18
470	Automatic construction of molecular similarity networks for visual graph mining in chemical space of bioactive peptides: an unsupervised learning approach. <i>Scientific Reports</i> , 2020, 10, 18074.	1.6	29
471	Detecting community structure in signed and unsigned social networks by using weighted label propagation. <i>Chaos</i> , 2020, 30, 103118.	1.0	1
472	Rare events and first passage time statistics from the energy landscape. <i>Journal of Chemical Physics</i> , 2020, 153, 134115.	1.2	16
473	A Spectral Clustering-Based Community Detection Algorithm for RDF Graphs. , 2020, , .		1
474	TermBall: Tracking and Predicting Evolution Types of Research Topics by Using Knowledge Structures in Scholarly Big Data. <i>IEEE Access</i> , 2020, 8, 108514-108529.	2.6	13
475	Community Detection Based on Individual Topics and Network Topology in Social Networks. <i>IEEE Access</i> , 2020, 8, 124414-124423.	2.6	8
476	Identifying tumor clones in sparse single-cell mutation data. <i>Bioinformatics</i> , 2020, 36, i186-i193.	1.8	15
477	Community detectability and structural balance dynamics in signed networks. <i>Physical Review E</i> , 2020, 102, 012304.	0.8	5
478	Pitch networks reveal organizational and spatial patterns of Guardiolaâ€™s F.C. Barcelona. <i>Chaos, Solitons and Fractals</i> , 2020, 138, 109934.	2.5	13
479	CoHomo: A cluster-attribute correlation aware graph clustering framework. <i>Neurocomputing</i> , 2020, 412, 327-338.	3.5	2
480	Epidemic spreading of evolving community structure. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110101.	2.5	4
481	Hybrid machine learning approach for community and overlapping community detection in social network. <i>Transactions on Emerging Telecommunications Technologies</i> , 2022, 33, e4161.	2.6	0

#	ARTICLE	IF	CITATIONS
482	Semidefinite programming based community detection for node-attributed networks and multiplex networks. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2023, 52, 68-83.	0.6	2
483	ComRank: community-based ranking approach for heterogeneous information network analysis and mining. <i>International Journal of Business Intelligence and Data Mining</i> , 2020, 17, 493.	0.2	0
484	A simple approach for quantifying node centrality in signed and directed social networks. <i>Applied Network Science</i> , 2020, 5, .	0.8	6
485	Unsupervised Learning and Multipartite Network Models: A Promising Approach for Understanding Traditional Medicine. <i>Frontiers in Pharmacology</i> , 2020, 11, 1319.	1.6	29
486	Community detection based on the Matthew effect. <i>Knowledge-Based Systems</i> , 2020, 205, 106256.	4.0	22
487	Community detection method using improved density peak clustering and nonnegative matrix factorization. <i>Neurocomputing</i> , 2020, 415, 247-257.	3.5	18
488	An improved algorithm for detecting community defined by node-to-node dynamic distance. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050155.	0.8	0
489	Defining Collective Identities in Technopolitical Interaction Networks. <i>Frontiers in Psychology</i> , 2020, 11, 1549.	1.1	5
490	Estimation of global and local complexities of brain networks: A random walks approach. <i>Network Neuroscience</i> , 2020, 4, 575-594.	1.4	6
491	A Label Propagation Algorithm based on Similarity and Weighted. , 2020, , .		0
492	Semantic frame induction through the detection of communities of verbs and their arguments. <i>Applied Network Science</i> , 2020, 5, .	0.8	5
493	Network representations of diversity in scientific teams. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, .	1.0	1
494	Multilayer Modularity Belief Propagation to Assess Detectability of Community Structure. <i>SIAM Journal on Mathematics of Data Science</i> , 2020, 2, 872-900.	1.0	2
495	Effects of core-periphery structure on explosive synchronization. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050290.	1.0	1
496	A pyramidal community detection algorithm based on a generalization of the clustering coefficient. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 9111-9125.	3.3	6
497	Frequency-dependent organization of the brain's functional network through delayed-interactions. <i>Neural Networks</i> , 2020, 132, 155-165.	3.3	16
498	Extracting backbones in weighted modular complex networks. <i>Scientific Reports</i> , 2020, 10, 15539.	1.6	14
499	Correspondence analysis-based network clustering and importance of degenerate solutions unification of spectral clustering and modularity maximization. <i>Social Network Analysis and Mining</i> , 2020, 10, 1.	1.9	1

#	ARTICLE	IF	CITATIONS
500	Exact Blind Community Detection From Signals on Multiple Graphs. IEEE Transactions on Signal Processing, 2020, 68, 5016-5030.	3.2	12
501	Political Consequences of COVID-19 and Media Framing in South Korea. Frontiers in Public Health, 2020, 8, 425.	1.3	17
502	Dense and sparse vertex connectivity in networks. Journal of Complex Networks, 2020, 8, .	1.1	0
503	Divisive Algorithm Based on Node Clustering Coefficient for Community Detection. IEEE Access, 2020, 8, 142337-142347.	2.6	8
504	Motif-based spectral clustering of weighted directed networks. Applied Network Science, 2020, 5, .	0.8	6
505	Identifying and exploiting homogeneous communities in labeled networks. Applied Network Science, 2020, 5, .	0.8	26
506	Interplay between $k$ -core and community structure in complex networks. Scientific Reports, 2020, 10, 14702.	1.6	6
507	Identifying P2P Communities in Network Traffic Using Measures of Community Connections : IEEE CNS 20 Poster. , 2020, , .		1
508	Sparse Nonnegative Matrix Factorization for Multiple-Local-Community Detection. IEEE Transactions on Computational Social Systems, 2020, 7, 1220-1233.	3.2	17
509	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
510	Unsupervised evaluation of multiple node ranks by reconstructing local structures. Applied Network Science, 2020, 5, .	0.8	1
511	Detecting Statistically Significant Communities. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	4
512	Spanning Trees as Approximation of Data Structures. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 3994-4008.	2.9	2
513	A Topic Modeling Analysis of TCGA Breast and Lung Cancer Transcriptomic Data. Cancers, 2020, 12, 3799.	1.7	12
514	Navigating differential structures in complex networks. Physical Review E, 2020, 102, 062301.	0.8	1
515	TOSNet: A Topic-Based Optimal Subnetwork Identification in Academic Networks. IEEE Access, 2020, 8, 201015-201027.	2.6	1
516	Lengthening of average path length in social networks due to the effect of community structure. Journal of King Saud University - Computer and Information Sciences, 2020, , .	2.7	0
517	Community structure in the World Trade Network based on communicability distances. Journal of Economic Interaction and Coordination, 2022, 17, 405-441.	0.4	10

#	ARTICLE	IF	CITATIONS
518	Bayesian Testing for Exogenous Partition Structures in Stochastic Block Models. <i>Sankhya A</i> , 2022, 84, 108-126.	0.4	3
519	Gloomy Prospects and Roller Coasters: Finding Coherence in Genome-Wide Association Studies. <i>Philosophy of Science</i> , 2020, 87, 1084-1095.	0.5	3
520	A Unified Bayesian Model for Generalized Community Detection in Attribute Networks. <i>Complexity</i> , 2020, 2020, 1-15.	0.9	2
521	Bayesian Modeling of Random Walker for Community Detection in Networks. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 114006.	0.7	0
522	A Multilevel Intelligent Assistant for Multilevel Social Network Analysis. , 2020, , .		0
523	Generalized Markov stability of network communities. <i>Physical Review E</i> , 2020, 101, 052301.	0.8	3
524	The Emergence of Informative Higher Scales in Complex Networks. <i>Complexity</i> , 2020, 2020, 1-12.	0.9	41
525	Large-scale network analysis captures biological features of bacterial plasmids. <i>Nature Communications</i> , 2020, 11, 2452.	5.8	78
526	Social network analysis for social neuroscientists. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 883-901.	1.5	28
527	Community detection in dynamic networks using constraint non-negative matrix factorization. <i>Intelligent Data Analysis</i> , 2020, 24, 119-139.	0.4	3
528	Regional Patch Detection of Road Traffic Network. <i>Journal of Sensors</i> , 2020, 2020, 1-6.	0.6	1
529	Fitting in and breaking up: A nonlinear version of coevolving voter models. <i>Physical Review E</i> , 2020, 101, 062303.	0.8	7
530	All Happy Emotions Are Alike but Every Unhappy Emotion Is Unhappy in Its Own Way: A Network Perspective to Academic Emotions. <i>Frontiers in Psychology</i> , 2020, 11, 742.	1.1	3
531	Interaction Graphs for Cascading Failure Analysis in Power Grids: A Survey. <i>Energies</i> , 2020, 13, 2219.	1.6	22
532	Kernel k-Groups via Hartigan's Method. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020, 43, 1-1.	9.7	6
533	Percolation Theories for Multipartite Networked Systems under Random Failures. <i>Complexity</i> , 2020, 2020, 1-12.	0.9	0
534	Edge classification based on Convolutional Neural Networks for community detection in complex network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 556, 124826.	1.2	18
535	Quantifying the Effect of Community Structures for Link Prediction by Constructing Null Models. <i>IEEE Access</i> , 2020, 8, 89269-89280.	2.6	2

#	ARTICLE	IF	CITATIONS
536	Total Variation Based Community Detection Using a Nonlinear Optimization Approach. SIAM Journal on Applied Mathematics, 2020, 80, 1392-1419.	0.8	9
537	Exploring Hubs and Overlapping Nodes Interactions in Modular Complex Networks. IEEE Access, 2020, 8, 79650-79683.	2.6	8
538	Network Approach to Source Attribution of Salmonella enterica Serovar Typhimurium and Its Monophasic Variant. Frontiers in Microbiology, 2020, 11, 1205.	1.5	12
539	Multiplex Network Inference With Sparse Tensor Decomposition for Functional Connectivity. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 316-328.	1.6	5
540	Modularity-Based Incremental Label Propagation Algorithm for Community Detection. Applied Sciences (Switzerland), 2020, 10, 4060.	1.3	3
541	Privacy of Dependent Users Against Statistical Matching. IEEE Transactions on Information Theory, 2020, 66, 5842-5865.	1.5	7
542	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
543	Computing exact P-values for community detection. Data Mining and Knowledge Discovery, 2020, 34, 833-869.	2.4	7
544	Detecting community in attributed networks by dynamically exploring node attributes and topological structure. Knowledge-Based Systems, 2020, 196, 105760.	4.0	24
545	MOEA-based community detection. , 2020, , 197-232.		0
546	Mining trips from location-based social networks for clustering travelers and destinations. Information Technology and Tourism, 2020, 22, 131-166.	3.4	25
547	Solving dynamic overlapping community detection problem by a multiobjective evolutionary algorithm based on decomposition. Swarm and Evolutionary Computation, 2020, 54, 100668.	4.5	14
548	IncNSA: Detecting communities incrementally from time-evolving networks based on node similarity. International Journal of Modern Physics C, 2020, 31, 2050094.	0.8	4
549	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
550	The size distribution of "cities" delineated with a network theory-based method and mobile phone GPS data. International Journal of Economic Theory, 2020, 16, 38-50.	0.4	4
551	Community Detection of Multi-Layer Attributed Networks via Penalized Alternating Factorization. Mathematics, 2020, 8, 239.	1.1	6
552	Modular gateway-ness connectivity and structural core organization in maritime network science. Nature Communications, 2020, 11, 2849.	5.8	30
553	Contrasting altitudinal variation of alpine plant communities along the Swedish mountains. Ecology and Evolution, 2020, 10, 4838-4853.	0.8	8

#	ARTICLE	IF	CITATIONS
554	Towards a generalization of information theory for hierarchical partitions. Physical Review E, 2020, 101, 062148.	0.8	4
555	Community Detection Boosts Network Dismantling on Real-World Networks. IEEE Access, 2020, 8, 111954-111965.	2.6	9
556	A New Generalization of Edge Overlap to Weighted Networks. International Journal of Artificial Intelligence & Applications, 2020, 11, 93-100.	0.3	0
557	ANGEL: efficient, and effective, node-centric community discovery in static and dynamic networks. Applied Network Science, 2020, 5, .	0.8	6
558	A New Follow based Community Detection Algorithm. , 2020, , .		3
559	Network Embedding Using Deep Robust Nonnegative Matrix Factorization. IEEE Access, 2020, 8, 85441-85453.	2.6	8
560	STCCD: Semantic trajectory clustering based on community detection in networks. Expert Systems With Applications, 2020, 162, 113689.	4.4	19
561	Community Detection via Local Learning Based on Generalized Metric With Neighboring Regularization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 498-510.	5.9	4
562	Optimization of identifiability for efficient community detection. New Journal of Physics, 2020, 22, 063035.	1.2	103
563	Bayesian nonparametric clustering as a community detection problem. Computational Statistics and Data Analysis, 2020, 152, 107044.	0.7	2
564	Investigating Italian disinformation spreading on Twitter in the context of 2019 European elections. PLoS ONE, 2020, 15, e0227821.	1.1	53
565	Community Detection Framework based on Multi-Strengthening Approach. , 2020, , .		0
566	Self-falsifiable hierarchical detection of overlapping communities on social networks. New Journal of Physics, 2020, 22, 033014.	1.2	5
567	Exploring the transition behavior of nodes in temporal networks based on dynamic community detection. Future Generation Computer Systems, 2020, 107, 458-468.	4.9	9
568	Community detection in complex networks with an ambiguous structure using central node based link prediction. Knowledge-Based Systems, 2020, 195, 105626.	4.0	46
569	Optimizing Variational Graph Autoencoder for Community Detection with Dual Optimization. Entropy, 2020, 22, 197.	1.1	14
570	Community Detection Based on a Preferential Decision Model. Information (Switzerland), 2020, 11, 53.	1.7	0
571	Visual analysis for evaluation of community detection algorithms. Multimedia Tools and Applications, 2020, 79, 17645-17667.	2.6	19

#	ARTICLE	IF	CITATIONS
572	How Brazilian congressmen connect: homophily and cohesion in voting and donation networks. <i>Journal of Complex Networks</i> , 2020, 8, .	1.1	2
573	Detecting multiple communities using quantum annealing on the D-Wave system. <i>PLoS ONE</i> , 2020, 15, e0227538.	1.1	40
574	A practical guide to methodological considerations in the controllability of structural brain networks. <i>Journal of Neural Engineering</i> , 2020, 17, 026031.	1.8	74
575	Nature-inspired optimization algorithms for community detection in complex networks: a review and future trends. <i>Telecommunication Systems</i> , 2020, 74, 225-252.	1.6	18
576	An Algorithm of Inductively Identifying Clusters from Attributed Graphs. <i>IEEE Transactions on Big Data</i> , 2020, , 1-1.	4.4	36
577	Chaotic memetic algorithm and its application for detecting community structure in complex networks. <i>Chaos</i> , 2020, 30, 013125.	1.0	7
578	Examining the variability in network populations and its role in generative models. <i>Network Science</i> , 2020, 8, S43-S64.	0.8	1
579	Evolution of communities in dynamic social networks: An efficient map-based approach. <i>Expert Systems With Applications</i> , 2020, 147, 113221.	4.4	16
580	Community Detection Algorithm Based on Nonnegative Matrix Factorization and Improved Density Peak Clustering. <i>IEEE Access</i> , 2020, 8, 5749-5759.	2.6	6
581	Detecting community structure in complex networks using genetic algorithm based on object migrating automata. <i>Computational Intelligence</i> , 2020, 36, 824-860.	2.1	12
582	Scalable and Robust Community Detection with Randomized Sketching. <i>IEEE Transactions on Signal Processing</i> , 2020, , 1-1.	3.2	7
583	On the superiority of modularity-based clustering for determining placement-relevant clusters. <i>The Integration VLSI Journal</i> , 2020, 74, 32-44.	1.3	7
584	Where is my infusion pump? Harnessing network dynamics for improved hospital equipment fleet management. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 884-892.	2.2	5
585	Constructing Real-Life Benchmarks for Community Detection by Rewiring Edges. <i>Complexity</i> , 2020, 2020, 1-16.	0.9	3
586	Visual Analytic Method for Studentsâ€™ Association via Modularity Optimization. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2813.	1.3	1
587	Semi-supervised stochastic blockmodel for structure analysis of signed networks. <i>Knowledge-Based Systems</i> , 2020, 195, 105714.	4.0	9
588	Parametric Classification of Dynamic Community Detection Techniques. <i>Lecture Notes in Networks and Systems</i> , 2020, , 333-340.	0.5	0
589	Online reactions to the 2017 â€œUnite the rightâ€™ rally in Charlottesville: measuring polarization in Twitter networks using media followership. <i>Applied Network Science</i> , 2020, 5, .	0.8	14

#	ARTICLE	IF	CITATIONS
590	Joint embedding of structure and features via graph convolutional networks. Applied Network Science, 2020, 5, .	0.8	17
591	Growing networks with communities: A distributive link model. Chaos, 2020, 30, 041101.	1.0	27
592	M-Link: a link clustering memetic algorithm for overlapping community detection. Memetic Computing, 2020, 12, 87-99.	2.7	13
593	Identifying prize-winning scientists by a competition-aware ranking. Journal of Informetrics, 2020, 14, 101038.	1.4	12
594	<i>LookCom</i>: Learning Optimal Network for Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 764-775.	4.0	4
595	Multiscale community estimation based on temporary local balancing strategy. International Journal of Modern Physics C, 2020, 31, 2050056.	0.8	2
596	A novel metric for community detection. Europhysics Letters, 2020, 129, 68002.	0.7	10
597	A Seed-Expanding Method Based on TOPSIS for Community Detection in Complex Networks. Complexity, 2020, 2020, 1-14.	0.9	5
598	Dimension Reduction and Clustering Models for Single-Cell RNA Sequencing Data: A Comparative Study. International Journal of Molecular Sciences, 2020, 21, 2181.	1.8	33
599	Ambiguity of network outcomes. Journal of Business Research, 2021, 129, 555-561.	5.8	4
600	Portfolio risk and the quantum majorization of correlation matrices. IMA Journal of Management Mathematics, 2021, 32, 257-282.	1.1	2
601	A comprehensive review of Rasch measurement in language assessment: Recommendations and guidelines for research. Language Testing, 2021, 38, 6-40.	1.7	60
602	Community detection in complex networks using network embedding and gravitational search algorithm. Journal of Intelligent Information Systems, 2021, 57, 51-72.	2.8	32
603	A graded cluster system to mine virtual stations in free-floating bike-sharing system on multi-scale geographic view. Journal of Cleaner Production, 2021, 281, 124692.	4.6	6
604	Comparing Graph Clusterings: Set Partition Measures vs. Graph-Aware Measures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2127-2132.	9.7	1
605	Detecting brain network communities: Considering the role of information flow and its different temporal scales. NeuroImage, 2021, 225, 117431.	2.1	11
606	Multilevel Methods and Statistics: The Next Frontier. Organizational Research Methods, 2021, 24, 187-218.	5.6	14
607	Incorporating affiliation preference into overlapping community detection. Physica A: Statistical Mechanics and Its Applications, 2021, 563, 125429.	1.2	2

#	ARTICLE	IF	CITATIONS
608	Pollen transfer networks reveal alien species as main heterospecific pollen donors with fitness consequences for natives. <i>Journal of Ecology</i> , 2021, 109, 939-951.	1.9	24
609	A survey of community detection methods in multilayer networks. <i>Data Mining and Knowledge Discovery</i> , 2021, 35, 1-45.	2.4	78
610	A framework to detect and understand thematic places of a city using geospatial data. <i>Cities</i> , 2021, 109, 103012.	2.7	8
611	Ethical implications of network data in business and management settings. <i>Social Networks</i> , 2021, 67, 29-40.	1.3	10
612	Absence of a resolution limit in in-block nestedness. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 94, 105545.	1.7	0
613	Identifying tourism destinations from tourists's travel patterns. <i>Journal of Destination Marketing &amp; Management</i> , 2021, 19, 100508.	3.4	21
614	Dissecting bitcoin blockchain: Empirical analysis of bitcoin network (2009-2020). <i>Journal of Network and Computer Applications</i> , 2021, 177, 102940.	5.8	39
615	Mixed-case community detection problem in social networks: Algorithms and analysis. <i>Theoretical Computer Science</i> , 2021, 854, 94-104.	0.5	2
616	Dual-channel hybrid community detection in attributed networks. <i>Information Sciences</i> , 2021, 551, 146-167.	4.0	17
617	Hurdle Blockmodels for Sparse Network Modeling. <i>American Statistician</i> , 2021, 75, 383-393.	0.9	6
618	A three-stage algorithm for local community detection based on the high node importance ranking in social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 563, 125420.	1.2	31
619	An integrated model for fire sales and default contagion. <i>Mathematics and Financial Economics</i> , 2021, 15, 59-101.	1.0	4
620	Detecting Hierarchical and Overlapping Network Communities Based on Opinion Dynamics. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021, , 1-1.	4.0	0
621	An Analytical Review of Computational Drug Repurposing. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 472-488.	1.9	28
622	Assessing the impact of incomplete information on the resilience of financial networks. <i>Annals of Operations Research</i> , 2021, 299, 721-745.	2.6	13
623	Overlapping community detection in social networks with Voronoi and tolerance neighborhood-based method. <i>Granular Computing</i> , 2021, 6, 95-106.	4.4	1
624	Random-graph models and characterization of granular networks. <i>Journal of Complex Networks</i> , 2021, 8, .	1.1	5
625	Detection of Community Structures in Networks With Nodal Features based on Generative Probabilistic Approach. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021, 33, 2863-2874.	4.0	11

#	ARTICLE	IF	CITATIONS
626	Robust Detection of Link Communities With Summary Description in Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2737-2749.	4.0	23
627	Improving the Quality of Web-Based Data Imputation With Crowd Intervention. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2534-2547.	4.0	4
628	Brain Morphological and Functional Networks: Implications for Neurodegeneration. Understanding Complex Systems, 2021, , 329-342.	0.3	2
629	An Unsupervised Bayesian Neural Network for Truth Discovery in Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5182-5195.	4.0	7
630	Dynamic Multi Level Approach for Community Detection. , 2021, , .		1
631	Have Supply Networks Become More Fragmented Over Time?. SSRN Electronic Journal, 0, , .	0.4	1
632	A spiderweb model for community detection in dynamic networks. Applied Intelligence, 2021, 51, 5157-5188.	3.3	6
633	A classification of community detection methods in social networks: a survey. International Journal of General Systems, 2021, 50, 63-91.	1.2	33
634	Conformity: A Path-Aware Homophily Measure for Node-Attributed Networks. IEEE Intelligent Systems, 2021, 36, 25-34.	4.0	11
635	ContextWalk: Embedding Networks with Context Information Extracted from News Articles. Lecture Notes in Computer Science, 2021, , 100-114.	1.0	0
636	Vertex Arboricity Problem of Planar Graphs without Adjacent Short Cycles. Pure Mathematics, 2021, 11, 1585-1600.	0.0	0
637	Bipartite network analysis of ant-task associations reveals task groups and absence of colonial daily activity. Royal Society Open Science, 2021, 8, 201637.	1.1	1
638	A New Parallel Methodology for the Network Analysis of COVID-19 Data. Lecture Notes in Computer Science, 2021, , 333-343.	1.0	3
639	LAA: Inductive Community Detection Algorithm Based on Label Aggregation. Lecture Notes in Computer Science, 2021, , 45-56.	1.0	1
640	Joint Learning of Feature Extraction and Clustering for Large-Scale Temporal Networks. IEEE Transactions on Cybernetics, 2023, 53, 1653-1666.	6.2	7
641	Regional and Sectoral Change of Global Value-Added Network Around the 2009 Economic Crisis. , 2021, , 217-247.		1
642	Boosting Nonnegative Matrix Factorization Based Community Detection With Graph Attention Auto-Encoder. IEEE Transactions on Big Data, 2022, 8, 968-981.	4.4	16
643	Deepgmd: A Graph-Neural-Network-Based Method to Detect Gene Regulator Module. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 3366-3373.	1.9	1

#	ARTICLE	IF	CITATIONS
644	Network-based brain-computer interfaces: principles and applications. Journal of Neural Engineering, 2021, 18, 011001.	1.8	27
645	E-GCN: graph convolution with estimated labels. Applied Intelligence, 2021, 51, 5007-5015.	3.3	9
646	Spatial Network Analysis. , 2021, , 1727-1750.		0
647	Static and dynamic functional connectivity supports the configuration of brain networks associated with creative cognition. Scientific Reports, 2021, 11, 165.	1.6	14
648	A Complexity Inspired Tool for Thinking Together in Sustainable Transport Planning. Understanding Complex Systems, 2021, , 71-90.	0.3	0
649	Network Embedding Attack: An Euclidean Distance Based Method. Lecture Notes in Computer Science, 2021, , 131-151.	1.0	1
650	Structure and Function in Complex Biological Networks. , 2021, , 8-16.		2
651	Multilayer network analyses as a toolkit for measuring social structure. Environmental Epigenetics, 2021, 67, 81-99.	0.9	7
652	NeSiFC: Neighbors™ Similarity-Based Fuzzy Community Detection Using Modified Local Random Walk. IEEE Transactions on Cybernetics, 2022, 52, 10014-10026.	6.2	8
653	Detection of Community Structures in Dynamic Social Networks Based on Message Distribution and Structural/Attribute Similarities. IEEE Access, 2021, 9, 67028-67041.	2.6	4
654	Adaptive AGV fleet management in a dynamically changing production environment. Procedia Manufacturing, 2021, 54, 148-153.	1.9	3
655	Community Detection in Google Searches Related to "Coronavirus". Journal of Data Science, 2021, , 334-347.	0.5	0
656	A Unified Bayesian Model of Community Detection in Attribute Networks with Power-Law Degree Distribution. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 518-529.	0.2	1
657	Temporal stability of the ventral attention network and general cognition along the Alzheimer's disease spectrum. NeuroImage: Clinical, 2021, 31, 102726.	1.4	7
658	Metabolic Pathway Prediction using Non-negative Matrix Factorization with Improved Precision. Lecture Notes in Computer Science, 2021, , 33-44.	1.0	2
659	Edge Based Stochastic Block Model Statistical Inference. Studies in Computational Intelligence, 2021, , 462-473.	0.7	2
660	Spec2Vec: Improved mass spectral similarity scoring through learning of structural relationships. PLoS Computational Biology, 2021, 17, e1008724.	1.5	92
661	Towards understanding neurocognitive mechanisms of parenting: Maternal behaviors and structural brain network organization in late childhood. Human Brain Mapping, 2021, 42, 1845-1862.	1.9	5

#	ARTICLE	IF	CITATIONS
662	Community detection in networks using graph embeddings. <i>Physical Review E</i> , 2021, 103, 022316.	0.8	24
663	Community detection based on first passage probabilities. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 390, 127099.	0.9	6
664	Establishing the integrated science of movement: bringing together concepts and methods from animal and human movement analysis. <i>International Journal of Geographical Information Science</i> , 2021, 35, 1273-1308.	2.2	22
665	The Effect of An Emergency Evacuation on the Spread of COVID19. <i>Frontiers in Physics</i> , 2021, 8, .	1.0	0
666	Master equation analysis of mesoscopic localization in contagion dynamics on higher-order networks. <i>Physical Review E</i> , 2021, 103, 032301.	0.8	24
667	An ecological approach to structural flexibility in online communication systems. <i>Nature Communications</i> , 2021, 12, 1941.	5.8	7
668	Spatiotemporal patterns of synchronous heavy rainfall events in East Asia during the Baiu season. <i>Earth System Dynamics</i> , 2021, 12, 295-312.	2.7	12
669	Modelling community structure and temporal spreading on complex networks. <i>Computational Social Networks</i> , 2021, 8, .	2.1	7
670	A Node Similarity and Community Link Strength-Based Community Discovery Algorithm. <i>Complexity</i> , 2021, 2021, 1-17.	0.9	4
671	Statistical Connectomics. <i>Annual Review of Statistics and Its Application</i> , 2021, 8, 463-492.	4.1	18
672	Comparing World City Networks by Language: A Complex-Network Approach. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 219.	1.4	6
674	Graph Convolutional Networks by Architecture Search for PolSAR Image Classification. <i>Remote Sensing</i> , 2021, 13, 1404.	1.8	6
675	Identification of robust retailing location patterns with complex network approaches. <i>Complex &amp; Intelligent Systems</i> , 0, , 1.	4.0	3
676	An empirical characterization of community structures in complex networks using a bivariate map of quality metrics. <i>Social Network Analysis and Mining</i> , 2021, 11, 1.	1.9	4
677	Revealing Consensus and Dissensus between Network Partitions. <i>Physical Review X</i> , 2021, 11, .	2.8	19
678	A Scalable Redefined Stochastic Blockmodel. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021, 15, 1-28.	2.5	4
679	An Approach of Community Search with Minimum Spanning Tree Based on Node Embedding. <i>Complexity</i> , 2021, 2021, 1-13.	0.9	0
680	Graph Structure Estimation Neural Networks. , 2021, , .		44

#	ARTICLE	IF	CITATIONS
681	Geometrical inspired pre-weighting enhances Markov clustering community detection in complex networks. <i>Applied Network Science</i> , 2021, 6, .	0.8	4
682	A streaming edge sampling method for network visualization. <i>Knowledge and Information Systems</i> , 2021, 63, 1717-1743.	2.1	5
683	Uncovering local community structure on line graph through degree centrality and expansion. <i>International Journal of Modern Physics B</i> , 0, , 2150120.	1.0	2
684	Whose shoulders is health research standing on? Determining the key actors and contents of the prevailing biomedical research agenda. <i>PLoS ONE</i> , 2021, 16, e0249661.	1.1	18
685	Luminal A Breast Cancer Co-expression Network: Structural and Functional Alterations. <i>Frontiers in Genetics</i> , 2021, 12, 629475.	1.1	14
686	Understanding digitally enabled complex networks: a plural granulation based hybrid community detection approach. <i>Information Technology and People</i> , 2021, ahead-of-print, .	1.9	10
687	An Efficient Method Based on Label Propagation for Overlapping Community Detection. , 2021, , .		1
688	Term-Community-Based Topic Detection with Variable Resolution. <i>Information (Switzerland)</i> , 2021, 12, 221.	1.7	3
689	Optimal hierarchical clustering on a graph. <i>Networks</i> , 0, , .	1.6	1
690	Topological data analysis of task-based fMRI data from experiments on schizophrenia. <i>Journal of Physics Complexity</i> , 2021, 2, 035006.	0.9	17
691	Local community detection algorithm based on local modularity density. <i>Applied Intelligence</i> , 2022, 52, 1238-1253.	3.3	26
692	Characterizing the interactions between classical and community-aware centrality measures in complex networks. <i>Scientific Reports</i> , 2021, 11, 10088.	1.6	32
694	Pitman-Yor Process Mixture Model for Community Structure Exploration Considering Latent Interaction Patterns. <i>Chinese Physics B</i> , 0, , .	0.7	0
695	Identification of dynamic community in temporal network via joint learning graph representation and nonnegative matrix factorization. <i>Neurocomputing</i> , 2021, 435, 77-90.	3.5	10
696	Rede de interações na Área de Saúde no Brasil: quem são os atores-chave nos fluxos de geração e difusão de conhecimentos?. , 0, , .		0
697	CDCN: A New NMF-Based Community Detection Method with Community Structures and Node Attributes. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-12.	0.8	1
700	Network Neuroscience Methods for Studying Intelligence. , 2021, , 26-43.		8
701	A spatially aware method for mapping movement-based and place-based regions from spatial flow networks. <i>Transactions in GIS</i> , 2021, 25, 2104-2124.	1.0	3

#	ARTICLE	IF	CITATIONS
702	Force-directed algorithms as a tool to support community detection. <i>European Physical Journal: Special Topics</i> , 2021, 230, 2745-2763.	1.2	3
703	Attribute-Guided Network Sampling Mechanisms. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021, 15, 1-24.	2.5	4
704	Long-loop feedback vertex set and dismantling on bipartite factor graphs. <i>Physical Review E</i> , 2021, 103, L061302.	0.8	4
705	Community detection in complex networks: From statistical foundations to data science applications. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2022, 14, e1566.	2.1	12
706	Measuring node dissimilarity and seeking communities in directed networks via signal copying. <i>International Journal of Modern Physics C</i> , 2021, 32, 2150136.	0.8	0
707	Clustering Heterogeneous Information Network by Joint Graph Embedding and Nonnegative Matrix Factorization. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021, 15, 1-25.	2.5	5
708	Constructing an Artworld Influencer Network by Mining Social Media. <i>Leonardo</i> , 2022, 55, 24-29.	0.2	0
709	Ergodic Opinion Dynamics Over Networks: Learning Influences From Partial Observations. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 2709-2723.	3.6	8
710	Optimising SARS-CoV-2 pooled testing strategies on social networks for low-resource settings. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 294002.	0.7	1
711	Mean-field theory of superradiant phase transition in complex networks. <i>Physical Review E</i> , 2021, 103, 062309.	0.8	8
712	Community detection using constrained label propagation algorithm with nodes exemption. <i>Computing (Vienna/New York)</i> , 2022, 104, 339-358.	3.2	4
713	Coupled network analysis revealing global monthly scale co-variability patterns between sea-surface temperatures and precipitation in dependence on the ENSO state. <i>European Physical Journal: Special Topics</i> , 0, , 1.	1.2	5
714	Generative hypergraph clustering: From blockmodels to modularity. <i>Science Advances</i> , 2021, 7, .	4.7	61
715	Simplifying functional network representation and interpretation through causality clustering. <i>Scientific Reports</i> , 2021, 11, 15378.	1.6	8
716	NI-Louvain: A novel algorithm to detect overlapping communities with influence analysis. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2022, 34, 7765-7774.	2.7	5
717	The human connectome in Alzheimer disease " relationship to biomarkers and genetics. <i>Nature Reviews Neurology</i> , 2021, 17, 545-563.	4.9	106
718	HOW INDUSTRY 4.0 RESHAPES THE WORLD: RECOMMENDATIONS BASED ON COMPLEX GRAPH NETWORK ANALYSIS. <i>Proceedings of the Design Society</i> , 2021, 1, 1755-1764.	0.5	0
719	COVID-19 Community Temporal Visualizer: a new methodology for the network-based analysis and visualization of COVID-19 data. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2021, 10, 46.	1.2	8

#	ARTICLE	IF	CITATIONS
720	PODCD: Probabilistic overlapping dynamic community detection. Expert Systems With Applications, 2021, 174, 114650.	4.4	8
721	Forming coordination group for coordinated traffic congestion management schemes. Transportation Research Part C: Emerging Technologies, 2021, 128, 103113.	3.9	4
722	Multi-Attribute Community Detection in International Trade Network. Networks and Spatial Economics, 2021, 21, 707-733.	0.7	5
723	Contagion dynamics in multilayer networks with community structure. International Journal of Modern Physics B, 2021, 35, 2150179.	1.0	1
724	Multivariate time-series clustering based on component relationship networks. Expert Systems With Applications, 2021, 173, 114649.	4.4	9
725	Overlapping community detection by constrained personalized PageRank. Expert Systems With Applications, 2021, 173, 114682.	4.4	29
727	Spectral estimation for detecting low-dimensional structure in networks using arbitrary null models. PLoS ONE, 2021, 16, e0254057.	1.1	2
728	A systematic comparison of community detection algorithms for measuring selective exposure in co-exposure networks. Scientific Reports, 2021, 11, 15218.	1.6	5
729	A Branch-and-Price Framework for Decomposing Graphs into Relaxed Cliques. INFORMS Journal on Computing, 2021, 33, 1070-1090.	1.0	2
730	Sink Group Betweenness Centrality. , 2021, , .		1
731	Echo chamber detection and analysis. Social Network Analysis and Mining, 2021, 11, 78.	1.9	19
732	The faster the better: On the shortest paths role for near real-time decision making of water utilities. Reliability Engineering and System Safety, 2021, 212, 107589.	5.1	8
733	A signal processing perspective to community detection in dynamic networks. , 2021, 119, 103192.		2
734	State Aggregations in Markov Chains and Block Models of Networks. Physical Review Letters, 2021, 127, 078301.	2.9	5
735	Hide and Seek: Outwitting Community Detection Algorithms. IEEE Transactions on Computational Social Systems, 2021, 8, 799-808.	3.2	20
736	Adaptive Framework for Privacy Preserving in Online Social Networks. Wireless Personal Communications, 0, , 1.	1.8	0
737	Extracting complements and substitutes from sales data: a network perspective. EPJ Data Science, 2021, 10, .	1.5	4
738	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

#	ARTICLE	IF	CITATIONS
739	The inherent community structure of hyperbolic networks. <i>Scientific Reports</i> , 2021, 11, 16050.	1.6	9
740	Regional economic integration via detection of circular flow in international value-added network. <i>PLoS ONE</i> , 2021, 16, e0255698.	1.1	1
742	Layer reconstruction and missing link prediction of a multilayer network with maximum $\hat{A}$ posteriori estimation. <i>Physical Review E</i> , 2021, 104, 024301.	0.8	10
743	Deeper look at question categories, concepts, and context covered: Modified module analysis of quantum mechanics concept assessment. <i>Physical Review Physics Education Research</i> , 2021, 17, .	1.4	5
744	Mixture models and networks: The stochastic blockmodel. <i>Statistical Modelling</i> , 2022, 22, 67-94.	0.5	4
745	Community evolution in retweet networks. <i>PLoS ONE</i> , 2021, 16, e0256175.	1.1	9
746	Hierarchical community discovery for multi-stage IP bearer network upgradation. <i>Journal of Network and Computer Applications</i> , 2021, 189, 103151.	5.8	4
747	Metabolic Pathway Prediction Using Non-Negative Matrix Factorization with Improved Precision. <i>Journal of Computational Biology</i> , 2021, 28, 1075-1103.	0.8	4
748	Stochastic blockmodeling for learning the structure of optimization problems. <i>AICHE Journal</i> , 2022, 68, e17415.	1.8	8
749	Parallel Network Analysis and Communities Detection (PANC) Pipeline for the Analysis and Visualization of COVID-19 Data. <i>Parallel Processing Letters</i> , 2022, 32, .	0.4	3
750	Explaining social events through community evolution on temporal networks. <i>Applied Mathematics and Computation</i> , 2021, 404, 126148.	1.4	12
751	Quantifying the Research Diversification of Physicists. <i>Journal of Systems Science and Systems Engineering</i> , 0, , 1.	0.8	0
752	Quantum k-community detection: algorithm proposals and cross-architectural evaluation. <i>Quantum Information Processing</i> , 2021, 20, 1.	1.0	3
753	COVID-19 and Networks. <i>New Generation Computing</i> , 2021, , 1-13.	2.5	1
754	Unsupervised learning for community detection in attributed networks based on graph convolutional network. <i>Neurocomputing</i> , 2021, 456, 147-155.	3.5	32
755	An efficient consensus reaching framework for large-scale social network group decision making and its application in urban resettlement. <i>Information Sciences</i> , 2021, 575, 499-527.	4.0	58
756	Understanding the urban mobility community by taxi travel trajectory. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 101, 105863.	1.7	12
757	Extracting modular-based backbones in weighted networks. <i>Information Sciences</i> , 2021, 576, 454-474.	4.0	9

#	ARTICLE	IF	CITATIONS
758	Community structure exploration considering latent link patterns in complex networks. Neurocomputing, 2021, 459, 10-22.	3.5	3
759	Deep attributed graph clustering with self-separation regularization and parameter-free cluster estimation. Neural Networks, 2021, 142, 522-533.	3.3	4
760	Community detection in directed acyclic graphs of adversary interactions. Physica A: Statistical Mechanics and Its Applications, 2021, 584, 126370.	1.2	2
761	Towards resilient and smart urban road networks: Connectivity restoration via community structure. Sustainable Cities and Society, 2021, 75, 103344.	5.1	9
762	Resilience of Interdependent Urban Socio-Physical Systems using Large-Scale Mobility Data: Modeling Recovery Dynamics. Sustainable Cities and Society, 2021, 75, 103237.	5.1	20
763	Identifying influential links to control spreading of epidemics. Physica A: Statistical Mechanics and Its Applications, 2021, 583, 126291.	1.2	8
764	Network neuroscience and the connectomics revolution. , 2022, , 25-58.		10
766	Detecting Communities in Organizational Social Network Based on E-mail Communication. Smart Innovation, Systems and Technologies, 2021, , 15-24.	0.5	3
767	Discovering Overlapping Communities in Dynamic Networks Based on Cascade Information Diffusion. IEEE Transactions on Computational Social Systems, 2022, 9, 794-806.	3.2	3
768	Robust Community Detection in Graphs. IEEE Access, 2021, 9, 118757-118770.	2.6	6
769	Optimizing Robustness of Core-Periphery Structure in Complex Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3572-3576.	2.2	3
770	Fuzzy Community Detection Based on Elite Symbiotic Organisms Search and Node Neighborhood Information. IEEE Transactions on Fuzzy Systems, 2022, 30, 2500-2514.	6.5	4
771	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
772	Market Graph Clustering via QUBO and Digital Annealing. Journal of Risk and Financial Management, 2021, 14, 34.	1.1	10
773	HiDeF: identifying persistent structures in multiscale omics data. Genome Biology, 2021, 22, 21.	3.8	29
776	Community Structure Characterization. , 2017, , 1-13.		1
777	The Costs of Overambitious Seeding of Social Products. Studies in Computational Intelligence, 2019, , 273-286.	0.7	1
778	LinkAUC: Unsupervised Evaluation of Multiple Network Node Ranks Using Link Prediction. Studies in Computational Intelligence, 2020, , 3-14.	0.7	1

#	ARTICLE	IF	CITATIONS
779	A General Method for Detecting Community Structures in Complex Networks. Studies in Computational Intelligence, 2020, , 223-237.	0.7	2
780	Minimum Entropy Stochastic Block Models Neglect Edge Distribution&Heterogeneity. Studies in Computational Intelligence, 2020, , 545-555.	0.7	1
782	The Power of Communities: A Text Classification Model with Automated Labeling Process Using Network Community Detection. Springer Proceedings in Complexity, 2020, , 231-243.	0.2	3
783	Connected Graphs with a Given Degree Sequence: Efficient Sampling, Correlations, Community Detection and Robustness. Springer Proceedings in Complexity, 2020, , 33-47.	0.2	1
784	Nonlinearity + Networks: A 2020 Vision. Advances in Dynamics, Patterns, Cognition, 2020, , 131-159.	0.2	21
785	Beyond Groups: Uncovering Dynamic Communities on the WhatsApp Network of Information Dissemination. Lecture Notes in Computer Science, 2020, , 252-266.	1.0	4
786	Network Centrality: An Introduction. Advances in Dynamics, Patterns, Cognition, 2019, , 177-196.	0.2	85
787	Spatial Network Analysis. , 2019, , 1-24.		1
788	A Comparative Analysis of Community Detection Algorithms on Social Networks. Advances in Intelligent Systems and Computing, 2019, , 287-298.	0.5	10
789	Block diagonal dominance-based dynamic programming for detecting community. Journal of Supercomputing, 2020, 76, 8627-8640.	2.4	2
790	Adaptive network analytics for managing complex shop-floor logistics systems. CIRP Annals - Manufacturing Technology, 2020, 69, 393-396.	1.7	3
791	Big networks: A survey. Computer Science Review, 2020, 37, 100247.	10.2	25
792	ModMRF: A modularity-based Markov Random Field method for community detection. Neurocomputing, 2020, 405, 218-228.	3.5	19
793	Multi-objective clustering technique based on $k$ -nodes update policy and similarity matrix for mining communities in social networks. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 1-24.	1.2	13
807	Inference of edge correlations in multilayer networks. Physical Review E, 2020, 102, 062307.	0.8	5
808	Exploring the structure of misconceptions in the Force Concept Inventory with modified module analysis. Physical Review Physics Education Research, 2019, 15, .	1.4	24
809	A framework for the construction of generative models for mesoscale structure in multilayer networks. Physical Review Research, 2020, 2, .	1.3	23
810	Spread of infectious disease and social awareness as parasitic contagions on clustered networks. Physical Review Research, 2020, 2, .	1.3	7

#	ARTICLE	IF	CITATIONS
811	Threefold way to the dimension reduction of dynamics on networks: An application to synchronization. <i>Physical Review Research</i> , 2020, 2, .	1.3	14
812	Statistical inference of assortative community structures. <i>Physical Review Research</i> , 2020, 2, .	1.3	28
813	Community-Aware Graph Signal Processing: Modularity Defines New Ways of Processing Graph Signals. <i>IEEE Signal Processing Magazine</i> , 2020, 37, 150-159.	4.6	5
814	Generalized K-Core Percolation in Networks with Community Structure. <i>SIAM Journal on Applied Mathematics</i> , 2020, 80, 1272-1289.	0.8	19
815	Scholarly migration within Mexico: analyzing internal migration among researchers using Scopus longitudinal bibliometric data. <i>EPJ Data Science</i> , 2020, 9, .	1.5	14
816	Node Trust: an effective method to detect non-overlapping community in social networks. <i>Modern Physics Letters B</i> , 2021, 35, 2150036.	1.0	3
817	FINANCIAL CONTAGION IN A STOCHASTIC BLOCK MODEL. <i>International Journal of Theoretical and Applied Finance</i> , 2020, 23, 2050053.	0.2	2
818	LARC. , 2018, , .		18
819	From spatio-temporal data to chronological networks. , 2019, , .		8
820	Social Network Influence Ranking via Embedding Network Interactions for User Recommendation. , 2020, , .		9
821	Modeling with Node Popularities for Autonomous Overlapping Community Detection. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2020, 11, 1-23.	2.9	9
822	An unsupervised disease module identification technique in biological networks using novel quality metric based on connectivity, conductance and modularity. <i>F1000Research</i> , 0, 7, 378.	0.8	9
823	Multiscale community detection in Cytoscape. <i>PLoS Computational Biology</i> , 2020, 16, e1008239.	1.5	34
824	Modular Brain Network Organization Predicts Response to Cognitive Training in Older Adults. <i>PLoS ONE</i> , 2016, 11, e0169015.	1.1	89
825	An exploration of collaborative scientific production at MIT through spatial organization and institutional affiliation. <i>PLoS ONE</i> , 2017, 12, e0179334.	1.1	32
826	Multilink communities of multiplex networks. <i>PLoS ONE</i> , 2018, 13, e0193821.	1.1	29
827	Visual Analysis of Contact Patterns in School Environments. <i>Informatics in Education</i> , 0, , 455-472.	1.8	7
828	ALOHA: Artificial Learning of Human Attributes for Dialogue Agents. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020, 34, 8155-8163.	3.6	6

#	ARTICLE	IF	CITATIONS
830	An Overview of Bioinformatics Methods for Analyzing Autism Spectrum Disorders. <i>Current Pharmaceutical Design</i> , 2020, 25, 4552-4559.	0.9	4
831	Online Information Exchange and Anxiety Spread in the Early Stage of the Novel Coronavirus (COVID-19) Outbreak in South Korea: Structural Topic Model and Network Analysis. <i>Journal of Medical Internet Research</i> , 2020, 22, e19455.	2.1	59
832	Topology Optimization based Graph Convolutional Network. , 2019, , .		39
833	Community-Centric Graph Convolutional Network for Unsupervised Community Detection. , 2020, , .		36
834	Deep Learning for Community Detection: Progress, Challenges and Opportunities. , 2020, , .		114
837	Graph theory methods: applications in brain networks. <i>Dialogues in Clinical Neuroscience</i> , 2018, 20, 111-121.	1.8	342
838	Mitigating Biases in COVID-19 for Analyzing COVID-19 Literature. <i>Frontiers in Research Metrics and Analytics</i> , 2020, 5, 596624.	0.9	7
839	Overlapping Community Discovery Method Based on Two Expansions of Seeds. <i>Symmetry</i> , 2021, 13, 18.	1.1	8
840	Systemic centrality and systemic communities in financial networks. <i>Quantitative Finance and Economics</i> , 2018, 2, 468-496.	1.4	14
841	Quantification and Analysis on Animal Social Behavior. <i>Journal of the Robotics Society of Japan</i> , 2017, 35, 455-458.	0.0	3
842	A connectome and analysis of the adult <i>Drosophila</i> central brain. <i>ELife</i> , 2020, 9, .	2.8	596
843	A Survey of Community Detection in Complex Networks Using Nonnegative Matrix Factorization. <i>IEEE Transactions on Computational Social Systems</i> , 2022, 9, 440-457.	3.2	36
844	Symmetry-constrained Non-negative Matrix Factorization Approach for Highly-Accurate Community Detection. , 2021, , .		1
845	Incremental Community Detection in Distributed Dynamic Graph. , 2021, , .		3
847	Discrete bacterial foraging optimization for community detection in networks. <i>Future Generation Computer Systems</i> , 2022, 128, 192-204.	4.9	5
848	Correlation and dimension relevance in multidimensional networks: a systematic taxonomy. <i>Social Network Analysis and Mining</i> , 2021, 11, .	1.9	1
849	Detection of functional communities in networks of randomly coupled oscillators using the dynamic-mode decomposition. <i>Physical Review E</i> , 2021, 104, 044305.	0.8	1
850	X-Mark: a benchmark for node-attributed community discovery algorithms. <i>Social Network Analysis and Mining</i> , 2021, 11, 1.	1.9	5

#	ARTICLE	IF	CITATIONS
851	Efficient Solution of Enterprise-Wide Optimization Problems Using Nested Stochastic Blockmodeling. Industrial & Engineering Chemistry Research, 2021, 60, 14476-14494.	1.8	5
852	Polarization of climate politics results from partisan sorting: Evidence from Finnish Twittersphere. Global Environmental Change, 2021, 71, 102348.	3.6	13
853	Modularity maximization as a flexible and generic framework for brain network exploratory analysis. NeuroImage, 2021, 244, 118607.	2.1	22
854	Community Detection in Networks using Node Attributes and Modularity. International Journal of Advanced Computer Science and Applications, 2017, 8, .	0.5	3
855	Evolving Social Graph Clustering. , 2017, , 1-5.		0
857	Detecting brain dynamics during resting state: a tensor based evolutionary clustering approach. , 2017, , .		1
860	Edge Representation Learning for Community Detection in Large Scale Information Networks. Lecture Notes in Computer Science, 2018, , 54-72.	1.0	1
861	Evolving Social Graph Clustering. , 2018, , 786-789.		0
862	Extending the Pareto-Dominance Based MOEAs Framework for Overlapping Community Detection. Lecture Notes in Computer Science, 2018, , 129-141.	1.0	0
863	Analisi di strutture organizzative informali mediante reti Wi-Fi e le Facebook Open Graph API: aspetti tecnologici e di privacy compliance. , 2018, , 83-103.		0
864	Sentence Packaging in Text Generation from Semantic Graphs as a Community Detection Problem. , 2018, , .		1
865	Community Structure Characterization. , 2018, , 371-383.		0
866	A Survey of the Application of Social Media Mining. , 2018, , .		0
867	Visual Analysis of Geometry Constrained Large-Scale Network. IEICE Transactions on Communications, 2018, E101.B, 1000-1009.	0.4	0
868	Diversity of a User's Friend Circle in OSNs and Its Use for Profiling. Lecture Notes in Computer Science, 2018, , 471-486.	1.0	5
869	Chapitre 7. Détection de communautés dans les réseaux sociaux. , 2018, , 189-213.		0
871	Stable and Efficient Structures for the Content Production and Consumption in Information Communities. EAI/Springer Innovations in Communication and Computing, 2019, , 163-173.	0.9	2
873	Evaluating the Natural Variability in Generative Models for Complex Networks. Studies in Computational Intelligence, 2019, , 743-754.	0.7	0

#	ARTICLE	IF	CITATIONS
874	Community Structure in Co-authorship Networks: The Case of Italian Statisticians. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2019, , 65-72.	0.1	1
875	Memberships Networks for High-Dimensional Fuzzy Clustering Visualization. <i>Communications in Computer and Information Science</i> , 2019, , 263-273.	0.4	1
876	Using Synthetic Networks for Parameter Tuning in Community Detection. <i>Lecture Notes in Computer Science</i> , 2019, , 1-15.	1.0	3
878	Unveiling Latent Relations in the Photonics Techno-Economic Complex System. <i>Communications in Computer and Information Science</i> , 2019, , 72-90.	0.4	1
879	Unsupervised Content-Based Characterization and Anomaly Detection of Online Community Dynamics. , 2019, , .		3
880	A Local Dynamic Community Detection Algorithm Based on Node Contribution. <i>Communications in Computer and Information Science</i> , 2019, , 363-376.	0.4	3
885	Debiasing community detection. , 2019, , .		12
886	An efficient method to find communities in K -partite networks. , 2019, , .		0
887	Slepian guided filtering of graph signals. , 2019, , .		0
889	An Entropy-Based Graph Construction Method for Representing and Clustering Biological Data. <i>IFMBE Proceedings</i> , 2020, , 315-321.	0.2	0
891	A community detection method for network structure analysis of force chains in granular medium in a rotating drum. , 0, , .		0
892	Multilayer Network Analysis of Innovation Intermediariesâ€™ Activities. <i>Lecture Notes in Social Networks</i> , 2020, , 193-208.	0.8	1
893	Identifying genuine proteinâ€™protein interactions within communities of gene coâ€™expression networks using a deconvolution method. <i>IET Systems Biology</i> , 2019, 13, 290-296.	0.8	2
894	Comparing the Preservation of Network Properties by Graph Embeddings. <i>Lecture Notes in Computer Science</i> , 2020, , 522-534.	1.0	1
898	Modeling and Analysis of Cyberspace Threat Sources Based on Vulnerabilities. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 292-303.	0.5	0
899	Multiple Samples Clustering with Second-moment Information in Stock Clustering. , 2020, , .		0
900	On The Use of Optimization for Mining Clusters in Networks. <i>International Journal of Engineering Research and Technology</i> , 2020, 13, 1525.	0.3	0
901	Can x2vec save lives? Integrating graph and language embeddings for automatic mental health classification. <i>Journal of Physics Complexity</i> , 2020, 1, 035005.	0.9	2

#	ARTICLE	IF	CITATIONS
902	A Markov Chain Approach for Cascade Size Analysis in Power Grids based on Community Structures in Interaction Graphs. , 2020, , .		2
903	Time-topology analysis. Proceedings of the VLDB Endowment, 2021, 14, 3322-3334.	2.1	1
904	Dynamic topology analysis for spatial patterns of multifocal lesions on MRI. Medical Image Analysis, 2022, 76, 102267.	7.0	2
905	Sectoral productivity convergence, input-output structure and network communities in Japan. Structural Change and Economic Dynamics, 2021, 59, 582-599.	2.1	5
906	Structural Balance of Opinions. Entropy, 2021, 23, 1418.	1.1	4
907	Subsystem Cooperation in Complex Networks - Case Brain Network. Springer Proceedings in Complexity, 2020, , 156-169.	0.2	0
908	Community Detection for Gossip Dynamics with Stubborn Agents. , 2020, , .		4
909	A Pervasive Community Detection Method Through Modular Decomposition of Markov Chain for Social Media Analysis. , 2020, , .		2
910	Discovering Communities with SGNS Modelling-based Network connections and Text communications Clustering. , 2020, , .		1
911	Towards Causal Explanations of Community Detection in Networks. Studies in Computational Intelligence, 2021, , 164-176.	0.7	0
912	Overlapping Community Detection Based on Membership Degree Propagation. Entropy, 2021, 23, 15.	1.1	5
913	Detecting Influential Communities in Twitter during Brazil Oil Field Auction in 2019. , 2020, , .		1
914	Insights from graph theory on the morphologies of actomyosin networks with multilinkers. Physical Review E, 2020, 102, 062420.	0.8	6
915	Hierarchical Overlapping Belief Estimation by Structured Matrix Factorization. , 2020, , .		4
916	Detecting Dynamic States of Temporal Networks Using Connection Series Tensors. Complexity, 2020, 2020, 1-15.	0.9	1
917	Multiplicity and diversity: analysing the optimal solution space of the correlation clustering problem on complete signed graphs. Journal of Complex Networks, 2021, 8, .	1.1	3
918	A hierarchical network-oriented analysis of user participation in misinformation spread on WhatsApp. Information Processing and Management, 2022, 59, 102757.	5.4	17
919	A Late-Fusion Approach to Community Detection in Attributed Networks. Lecture Notes in Computer Science, 2020, , 300-312.	1.0	2

#	ARTICLE	IF	CITATIONS
920	Uncovering Online Sharing Vehicle Mobility Patterns from Massive GPS Trajectories. <i>Human Dynamics in Smart Cities</i> , 2020, , 413-429.	0.2	1
921	Examining Feedback of Apple Watch Users in Korea Using Textmining Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 865-870.	0.5	0
922	Uncovering Hidden Block Structure for Clustering. <i>Lecture Notes in Computer Science</i> , 2020, , 140-155.	1.0	3
924	Network-Based Delineation of Health Service Areas: A Comparative Analysis of Community Detection Algorithms. <i>Springer Proceedings in Complexity</i> , 2020, , 359-370.	0.2	2
925	Exploring Temporal Information for Dynamic Network Embedding. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, 34, 3754-3764.	4.0	3
926	Graph Clustering Via Intra-Cluster Density Maximization. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 37-48.	0.1	0
928	Mixed-Case Community Detection Problem in Social Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 230-241.	1.0	0
930	Fast Network Community Detection With Profile-Pseudo Likelihood Methods. <i>Journal of the American Statistical Association</i> , 2023, 118, 1359-1372.	1.8	4
931	TopoFun: a machine learning method to improve the functional similarity of gene co-expression modules. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab103.	1.5	0
932	An efficient graph clustering algorithm by exploiting k-core decomposition and motifs. <i>Computers and Electrical Engineering</i> , 2021, 96, 107564.	3.0	4
933	Detecting User Community in Sparse Domain via Cross-Graph Pairwise Learning. , 2020, , .		4
934	The interdependency structure in the Mexican stock exchange: A network approach. <i>PLoS ONE</i> , 2020, 15, e0238731.	1.1	2
936	Community enhancement network embedding based on edge reweighting preprocessing. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 103403.	0.9	2
938	Community Detection in Graph: An Embedding Method. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 689-702.	4.1	18
939	DETECTING OPINION-BASED GROUPS AND POLARIZATION IN SURVEY-BASED ATTITUDE NETWORKS AND ESTIMATING QUESTION RELEVANCE. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2021, 24, .	0.9	5
940	Graph clustering using triangle-aware measures in large networks. <i>Information Sciences</i> , 2022, 584, 618-632.	4.0	7
941	Analysis of Progress in Research on Community Mining Based on Bibliometrics. , 2021, , .		0
942	Scalable Community Detection in the Degree-Corrected Stochastic Block Model. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
943	Community detection in complex network by network embedding and density clustering. Journal of Intelligent and Fuzzy Systems, 2021, 41, 6273-6284.	0.8	2
944	A multi-scale map of cell structure fusing protein images and interactions. Nature, 2021, 600, 536-542.	13.7	43
945	Fuzzy Clustering in Assortative and Disassortative Networks. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2021, 25, 989-999.	0.5	0
946	Detection of Potential Citation Clubs in Bibliographic Networks. Lecture Notes in Networks and Systems, 2022, , 703-725.	0.5	1
947	Random intersection graphs with communities. Advances in Applied Probability, 2021, 53, 1061-1089.	0.4	2
948	Destination attraction clustering: segmenting tourist movement patterns with geotagged information. Tourism Geographies, 2023, 25, 797-819.	2.2	11
949	Revealing the component structure of the world air transportation network. Applied Network Science, 2021, 6, 92.	0.8	13
950	Subgroups in Late Adulthood Are Associated With Cognition and Wellbeing Later in Life. Frontiers in Psychology, 2021, 12, 780575.	1.1	2
951	A Comprehensive Review on Deep Learning-Based Community Detection in Networks. Lecture Notes in Electrical Engineering, 2022, , 567-579.	0.3	0
952	Amazon and Microsoft: Convergence and the Emerging AI Technology Trajectory. , 2021, , 91-119.		1
953	Migration networks: applications of network analysis to macroscale migration patterns. , 2021, , 70-90.		1
954	Community Detection in Protein-Protein Interaction Networks and Applications. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, 20, 217-237.	1.9	11
955	Potential Sales Estimates of a New Store. AIRO Springer Series, 2021, , 15-24.	0.4	0
956	Identification of Communities With Multi-Semantics via Bayesian Generative Model. IEEE Transactions on Big Data, 2022, 8, 869-881.	4.4	3
958	Synwalk: community detection via random walk modelling. Data Mining and Knowledge Discovery, 2022, 36, 739-780.	2.4	5
959	Thin-shell theory for rotationally invariant random simplices. Electronic Journal of Probability, 2022, 27, .	0.5	3
960	Social physics. Physics Reports, 2022, 948, 1-148.	10.3	231
961	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

#	ARTICLE	IF	CITATIONS
962	Becoming an intellectual monopoly by relying on the national innovation system: the State Grid Corporation of China's experience. <i>Research Policy</i> , 2022, 51, 104472.	3.3	19
964	Enhancing Scientific Collaborations using Community Detection and Document Clustering. , 2020, , .		1
965	Community Detection under Stochastic Block Model Likelihood Optimization via Tabu Search and Fuzzy C-Mean Method for Social Network Data. <i>Iraqi Journal of Science</i> , 0, , 2695-2704.	0.3	0
966	Rainfall Data Analysis of Iran using Complex Networks View. , 2020, , .		0
967	Integrating Group Homophily and Individual Personality of Topics Can Better Model Network Communities. , 2020, , .		3
968	Stopping Personalized PageRank without an Error Tolerance Parameter. , 2020, , .		0
969	A Survey on Role-Oriented Network Embedding. <i>IEEE Transactions on Big Data</i> , 2022, 8, 933-952.	4.4	8
971	Link reciprocity in directed multiplex networks. , 2021, , .		1
972	Text Classification Using XLNet with Infomap Automatic Labeling Process. , 2021, , .		1
973	A Literature Survey on Label Propagation for Community Detection. , 2021, , .		2
974	The modular structure of posttraumatic stress disorder in adolescents. <i>Current Psychology</i> , 2023, 42, 13252-13264.	1.7	1
976	New Insight into the Coupled Grain-Disaster-Economy System Based on a Multilayer Network: An Empirical Study in China. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 59.	1.4	2
977	Statistical physics of network structure and information dynamics. <i>Journal of Physics Complexity</i> , 2022, 3, 011001.	0.9	6
978	A Bounded-Confidence Model of Opinion Dynamics on Hypergraphs. <i>SIAM Journal on Applied Dynamical Systems</i> , 2022, 21, 1-32.	0.7	13
979	Local community detection with hints. <i>Applied Intelligence</i> , 2022, 52, 9599-9620.	3.3	5
980	Modeling the Impact of Virtual Contact Network with Community Structure on the Epidemic Spreading. <i>Complexity</i> , 2022, 2022, 1-13.	0.9	0
981	Mapping the scientific structure of organization and management of enterprises using complex networks. <i>International Journal of Production Management and Engineering</i> , 2022, 10, 65-76.	0.8	1
982	Machine Learning in Tourism: A Brief Overview. <i>Tourism on the Verge</i> , 2022, , 85-107.	1.2	15

#	ARTICLE	IF	CITATIONS
983	An empirical comparison of connectivity-based distances on a graph and their computational scalability. <i>Journal of Complex Networks</i> , 2021, 10, .	1.1	2
984	Modularity maximization to design contiguous policy zones for pandemic response. <i>European Journal of Operational Research</i> , 2023, 304, 99-112.	3.5	8
985	Community Deception in Networks: Where We Are and Where We Should Go. <i>Studies in Computational Intelligence</i> , 2022, , 144-155.	0.7	5
986	Generalised popularity-similarity optimisation model for growing hyperbolic networks beyond two dimensions. <i>Scientific Reports</i> , 2022, 12, 968.	1.6	5
987	Web-Based Research Trends on Child and Adolescent Cancer Survivors Over the Last 5 Years: Text Network Analysis and Topic Modeling Study. <i>Journal of Medical Internet Research</i> , 2022, 24, e32309.	2.1	5
988	Quantitative mapping of the brain's structural connectivity using diffusion MRI tractography: A review. <i>NeuroImage</i> , 2022, 249, 118870.	2.1	95
989	A hybrid heuristic for overlapping community detection through the conductance minimization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 592, 126887.	1.2	2
990	Label propagation algorithm for community detection based on Coulomb's law. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 593, 126881.	1.2	10
991	Community detection via network node vector label propagation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 593, 126931.	1.2	7
993	A Comprehensive Survey on Community Detection With Deep Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2024, PP, 1-21.	7.2	129
994	HB-DSBM: Modeling the Dynamic Complex Networks From Community Level to Node Level. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 8310-8323.	7.2	3
995	Identification and Temporal Characteristics of Earthquake Clusters in Selected Areas in Greece. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1908.	1.3	7
996	Cuckoo search in threshold optimization for better event detection in social networks. <i>Social Network Analysis and Mining</i> , 2022, 12, 1.	1.9	1
997	Functional differentiation in governance networks for sea level rise adaptation in the San Francisco Bay Area. <i>Social Networks</i> , 2023, 75, 16-28.	1.3	2
998	Multimomics Topic Modeling for Breast Cancer Classification. <i>Cancers</i> , 2022, 14, 1150.	1.7	4
1000	On the modularity of $3$ -regular random graphs and random graphs with given degree sequences. <i>Random Structures and Algorithms</i> , 0, , .	0.6	3
1001	A New Evolutionary Model Based on Cellular Learning Automata and Chaos Theory. <i>New Generation Computing</i> , 0, , 1.	2.5	1
1002	From diversity to complexity: Microbial networks in soils. <i>Soil Biology and Biochemistry</i> , 2022, 169, 108604.	4.2	67

#	ARTICLE	IF	CITATIONS
1003	TSCDA: a dynamic two-stage community discovery approach. <i>Social Network Analysis and Mining</i> , 2022, 12, 1.	1.9	0
1004	Dynamic community detection based on the Matthew effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 597, 127315.	1.2	5
1005	Autoencoder Model Using Edge Enhancement to Detect Communities in Complex Networks. <i>Arabian Journal for Science and Engineering</i> , 0, , 1.	1.7	0
1006	HyMM: hybrid method for disease-gene prediction by integrating multiscale module structure. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	4
1007	Quantifying Spatial Drought Propagation Potential in North America Using Complex Network Theory. <i>Water Resources Research</i> , 2022, 58, .	1.7	11
1008	An interaction-based method for detecting overlapping community structure in real-world networks. <i>International Journal of Data Science and Analytics</i> , 0, , 1.	2.4	1
1009	Complex Traffic Network Analysis Method Based on a Multiscale Aggregation Model. <i>Journal of Sensors</i> , 2022, 2022, 1-15.	0.6	0
1010	Retweet communities reveal the main sources of hate speech. <i>PLoS ONE</i> , 2022, 17, e0265602.	1.1	19
1011	PITX1 Is a Regulator of TERT Expression in Prostate Cancer with Prognostic Power. <i>Cancers</i> , 2022, 14, 1267.	1.7	7
1012	The world trade network: country centrality and the COVID-19 pandemic. <i>Applied Network Science</i> , 2022, 7, 18.	0.8	8
1013	Meta-validation of bipartite network projections. <i>Communications Physics</i> , 2022, 5, .	2.0	15
1014	Mapping the complexity of political ideology using emergent networks: the Chilean case. <i>Applied Network Science</i> , 2022, 7, .	0.8	0
1015	Information diffusion-aware likelihood maximization optimization for community detection. <i>Information Sciences</i> , 2022, 602, 86-105.	4.0	4
1016	Dynamic Community Discovery Method Based on Phylogenetic Planted Partition in Temporal Networks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3795.	1.3	0
1017	PMCDM: Privacy-preserving multiresolution community detection in multiplex networks. <i>Knowledge-Based Systems</i> , 2022, 244, 108542.	4.0	4
1018	Influence percolation method for overlapping community detection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 596, 127103.	1.2	5
1019	Does syndicating bring syndicating ?An exploration targeting ECF based on social structure by complex network analysis. <i>Social Networks</i> , 2022, 70, 228-239.	1.3	4
1020	An overview of graph covering and partitioning. <i>Discrete Mathematics</i> , 2022, 345, 112884.	0.4	5

#	ARTICLE	IF	CITATIONS
1021	A Novel Triangle Count-Based Influence Maximization Method on Social Networks. International Journal of Knowledge and Systems Science, 2021, 12, 1-17.	0.5	2
1022	Community Detection for Weighted Networks with Unknown Number of Communities. Lobachevskii Journal of Mathematics, 2021, 42, 3158-3172.	0.1	0
1024	Spectral detection of simplicial communities via Hodge Laplacians. Physical Review E, 2021, 104, 064303.	0.8	12
1026	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
1027	Clustering Diagnoses From 58 Million Patient Visits in Finland Between 2015 and 2018. JMIR Medical Informatics, 2022, 10, e35422.	1.3	9
1029	Network-Based Discovery of Opioid Use Vulnerability in Rats Using the Bayesian Stochastic Block Model. Frontiers in Psychiatry, 2021, 12, 745468.	1.3	4
1030	New and simple mathematical description of epidemics including consecutive waves. Studies in Applied Mathematics, 2022, 148, 1339-1363.	1.1	1
1031	Adapting k-means for graph clustering. Knowledge and Information Systems, 2022, 64, 115-142.	2.1	19
1032	Community Detection Based on Density Peak Clustering Model and Multiple Attribute Decision-Making Strategy TOPSIS. Complexity, 2021, 2021, 1-18.	0.9	5
1033	Evolution of topics and hate speech in retweet network communities. Applied Network Science, 2021, 6, 96.	0.8	7
1035	Computational Modeling of Hierarchically Polarized Groups by Structured Matrix Factorization. Frontiers in Big Data, 2021, 4, 729881.	1.8	0
1036	A computational exploration of resilience and evolvability of protein-protein interaction networks. Communications Biology, 2021, 4, 1352.	2.0	5
1038	Don't @ Me. Advances in Educational Technologies and Instructional Design Book Series, 2022, , 220-238.	0.2	0
1039	Community Detection in Fully-Connected Multi-layer Networks Through Joint Nonnegative Matrix Factorization. IEEE Access, 2022, 10, 43022-43043.	2.6	3
1040	Overlapping communities detection based on cluster-ability optimization. Neurocomputing, 2022, , .	3.5	1
1041	High-Quality Hypergraph Partitioning. Journal of Experimental Algorithmics, 2022, 27, 1-39.	0.7	15
1042	Community detection through vector-label propagation algorithms. Chaos, Solitons and Fractals, 2022, 158, 112066.	2.5	7
1069	Direction Matters in Complex Networks: A Theoretical and Applied Study for Greedy Modularity Optimization. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1070	Community Detection Based on Fish School Effect. IEEE Access, 2022, 10, 48523-48538.	2.6	3
1071	A Systematic Analysis of Community Detection in Complex Networks. Procedia Computer Science, 2022, 201, 343-350.	1.2	3
1072	Rearranging 'indivisible' blocks for community detection. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	0
1073	Pattern Formation on Hypergraphs. Understanding Complex Systems, 2022, , 163-180.	0.3	2
1074	Role detection in bicycle-sharing networks using multilayer stochastic block models. Network Science, 2022, 10, 46-81.	0.8	1
1075	Universality of political corruption networks. Scientific Reports, 2022, 12, 6858.	1.6	8
1077	Robustness modularity in complex networks. Physical Review E, 2022, 105, .	0.8	3
1078	Artificial intelligence in cancer target identification and drug discovery. Signal Transduction and Targeted Therapy, 2022, 7, 156.	7.1	77
1079	Probabilistically Weighted Multilayer Networks disclose the link between default mode network instability and psychosis-like experiences in healthy adults. NeuroImage, 2022, 257, 119291.	2.1	3
1080	Orthogonal Nonnegative Matrix Tri-Factorization for Community Detection in Multiplex Networks. , 2022, , .		0
1081	Learning software requirements syntax: An unsupervised approach to recognize templates. Knowledge-Based Systems, 2022, 248, 108933.	4.0	3
1082	The Network Structure of Occupations: Fragmentation, Differentiation, and Contagion. American Journal of Sociology, 2022, 127, 1551-1601.	0.3	4
1083	Mining Statistically Significant Communities from Weighted Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	1
1084	On Spectral Algorithms for Community Detection in Stochastic Blockmodel Graphs With Vertex Covariates. IEEE Transactions on Network Science and Engineering, 2022, 9, 3373-3384.	4.1	4
1085	Whom to trust in a signed network? Optimal solution and two heuristic rules. Information Sciences, 2022, 606, 742-762.	4.0	3
1086	Emergent entanglement structures and self-similarity in quantum spin chains. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	1.6	3
1087	From the origin of life to pandemics: emergent phenomena in complex systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	1.6	15
1089	Network communication models narrow the gap between the modular organization of structural and functional brain networks. NeuroImage, 2022, 257, 119323.	2.1	32

#	ARTICLE	IF	CITATIONS
1090	Integrating nocturnal and diurnal interactions in a Neotropical pollination network. <i>Journal of Ecology</i> , 2022, 110, 2145-2155.	1.9	4
1091	Detecting mesoscale structures by surprise. <i>Communications Physics</i> , 2022, 5, .	2.0	3
1092	Producing and using artificial intelligence: What can Europe learn from Siemens's experience?. <i>Competition and Change</i> , 2023, 27, 302-331.	2.9	2
1093	A Comparison of Centrality Measures for Community Evolution Discovery. , 2022, , .		0
1094	Source Attribution of Human Campylobacteriosis Using Whole-Genome Sequencing Data and Network Analysis. <i>Pathogens</i> , 2022, 11, 645.	1.2	5
1095	Understanding multi-modal brain network data: An immersive 3D visualization approach. <i>Computers and Graphics</i> , 2022, , .	1.4	1
1097	A Graph Convolutional Network-Based Approach for Community Detection in Attributed Networks. , 2021, , .		0
1098	Mapping urban design literature: A network-based approach. <i>Spatium</i> , 2022, , 75-83.	0.1	0
1099	A Community Detection Algorithm Based on Correlation Analysis of Connection Pattern. , 2022, , .		1
1101	Brain morphometric similarity and flexibility. <i>Cerebral Cortex Communications</i> , 2022, 3, .	0.7	2
1102	Direction matters in complex networks: A theoretical and applied study for greedy modularity optimization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 127798.	1.2	4
1103	Online information analysis on pancreatic cancer in Korea using structural topic model. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
1104	Importance of Numerical Implementation and Clustering Analysis in Force-Directed Algorithms for Accurate Community Detection. <i>Applied Mathematics and Computation</i> , 2022, 431, 127310.	1.4	0
1105	Community detection using Local Group Assimilation. <i>Expert Systems With Applications</i> , 2022, 206, 117794.	4.4	1
1106	Network science for the supply chain. , 2022, , 343-359.		1
1109	FlashWalker: An In-Storage Accelerator for Graph Random Walks. , 2022, , .		0
1110	Algorithmic hospital catchment area estimation using label propagation. <i>BMC Health Services Research</i> , 2022, 22, .	0.9	2
1111	Inferring functional communities from partially observed biological networks exploiting geometric topology and side information. <i>Scientific Reports</i> , 2022, 12, .	1.6	6

#	ARTICLE	IF	CITATIONS
1112	Explainability in Graph Data Science: Interpretability, replicability, and reproducibility of community detection. IEEE Signal Processing Magazine, 2022, 39, 25-39.	4.6	0
1113	Link Pruning for Community Detection in Social Networks. Applied Sciences (Switzerland), 2022, 12, 6811.	1.3	1
1114	Network structure from a characterization of interactions in complex systems. Scientific Reports, 2022, 12, .	1.6	9
1115	Semi-supervised overlapping community detection in attributed graph with graph convolutional autoencoder. Information Sciences, 2022, 608, 1464-1479.	4.0	15
1116	Doubly stochastic scaling unifies community detection. Neurocomputing, 2022, 504, 141-162.	3.5	2
1117	A label propagation-based method for community detection in directed signed social networks. Physica A: Statistical Mechanics and Its Applications, 2022, 604, 127875.	1.2	3
1118	Community deception: from undirected to directed networks. Social Network Analysis and Mining, 2022, 12, .	1.9	3
1119	Efficiency of Algorithms for Computing Influence and Information Spreading on Social Networks. Algorithms, 2022, 15, 262.	1.2	4
1120	Modeling and Detecting Communities in Node Attributed Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-14.	4.0	2
1121	Semi-automated Literature Review for Scientific Assessment of Socioeconomic Climate Change Scenarios. , 2022, , .		1
1122	Multimorbidity profiles and stochastic block modeling improve ICU patient clustering. , 2022, , .		0
1123	A new clustering method to explore the dynamics of research communities. Scientometrics, 2022, 127, 4459-4482.	1.6	0
1124	Modelling railway delay propagation as diffusion-like spreading. EPJ Data Science, 2022, 11, .	1.5	1
1125	A Concentration Phenomenon in a Gossip Interaction Model with Two Communities. , 2022, , .		1
1126	Peer benchmarking and CEO compensation: An examination of the community structure of the compensation peer network. Corporate Governance: an International Review, 0, , .	2.4	0
1127	Community Detection in Semantic Networks: A Multi-View Approach. Entropy, 2022, 24, 1141.	1.1	2
1128	The structure and information spread capability of the network formed by integrated fitness apps. Information Technology and People, 2022, 35, 311-329.	1.9	0
1130	Structure and Dynamics of Force Clusters and Networks in Shear Thickening Suspensions. Physical Review Letters, 2022, 129, .	2.9	15

#	ARTICLE	IF	CITATIONS
1131	Evaluation of community vulnerability based on communicability and structural dissimilarity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 128079.	1.2	1
1132	Strategic collaboration in agro-industrial clusters: territorial dynamics within the dairy industry in Uruguay. <i>Competitiveness Review</i> , 2022, 32, 777-796.	1.8	1
1133	Application of CCTV Methodology to Analyze COVID-19 Evolution in Italy. <i>BioTech</i> , 2022, 11, 33.	1.3	1
1134	Social capital I: measurement and associations with economic mobility. <i>Nature</i> , 2022, 608, 108-121.	13.7	155
1136	Cascading effects of habitat loss on ectoparasite-associated bacterial microbiomes. <i>ISME Communications</i> , 2022, 2, .	1.7	5
1138	A Useful Criterion on Studying Consistent Estimation in Community Detection. <i>Entropy</i> , 2022, 24, 1098.	1.1	3
1139	Symmetry and Nonnegativity-Constrained Matrix Factorization for Community Detection. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022, 9, 1691-1693.	8.5	10
1140	Community hiding using a graph autoencoder. <i>Knowledge-Based Systems</i> , 2022, 253, 109495.	4.0	4
1141	Community detection in complex network based on an improved random algorithm using local and global network information. <i>Journal of Network and Computer Applications</i> , 2022, 206, 103492.	5.8	4
1142	Functional rich clubs emerging from the diffusion geometry of complex networks. <i>Physical Review Research</i> , 2022, 4, .	1.3	1
1143	Community detection in weighted networks using probabilistic generative model. <i>Journal of Intelligent Information Systems</i> , 2023, 60, 119-136.	2.8	3
1144	Characterizing the fuzzy community structure in link graph via the likelihood optimization. <i>Neurocomputing</i> , 2022, 512, 482-493.	3.5	7
1145	Vlasov equations on digraph measures. <i>Journal of Differential Equations</i> , 2022, 339, 261-349.	1.1	5
1146	Extended stochastic block models with application to criminal networks. <i>Annals of Applied Statistics</i> , 2022, 16, .	0.5	5
1147	Constraint-Induced Symmetric Nonnegative Matrix Factorization for Accurate Community Detection. <i>Information Fusion</i> , 2023, 89, 588-602.	11.7	1
1148	Bayesian Learning of Graph Substructures. <i>Bayesian Analysis</i> , 2023, 18, .	1.6	2
1149	A Comprehensive Survey on Community Deception Approaches in Social Networks. <i>IFIP Advances in Information and Communication Technology</i> , 2022, , 163-173.	0.5	1
1150	Federated Clique Percolation for Overlapping Community Detection on Attributed Networks. <i>Communications in Computer and Information Science</i> , 2022, , 252-266.	0.4	0

#	ARTICLE	IF	CITATIONS
1151	LargeNetVis: Visual Exploration of Large Temporal Networks Based On Community Taxonomies. IEEE Transactions on Visualization and Computer Graphics, 2022, , 1-11.	2.9	0
1152	Community Detection in Social Networks Considering Social Behaviors. IEEE Access, 2022, 10, 109969-109982.	2.6	2
1153	Movies Analysis on DBpedia and Wikidata Using Community Detection and Centrality Algorithms. , 2022, , .		0
1154	Studying Asymmetric Structure in Directed Networks by Overlapping and Non-Overlapping Models. Entropy, 2022, 24, 1216.	1.1	1
1155	A framework for hierarchical compound topologies in species interaction networks. Oikos, 2022, 2022, .	1.2	4
1156	Road networks structure analysis: A preliminary network science-based approach. Annals of Mathematics and Artificial Intelligence, 2024, 92, 215-234.	0.9	2
1157	Multilayer Networks Assisting to Untangle Direct and Indirect Pathogen Transmission in Bats. Microbial Ecology, 2023, 86, 1292-1306.	1.4	5
1158	Dealing with the Heterogeneity of Interpersonal Relationships in the Middle Ages. A Multi-Layer Network Approach. Digital Medievalist, 2022, 15, .	0.1	0
1159	Citation Biases: Detecting Communities from Patterns of Temporal Variation in Journal Citation Networks. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 591-611.	0.5	0
1160	Gaussian graphical models with applications to omics analyses. Statistics in Medicine, 2022, 41, 5150-5187.	0.8	5
1161	Impact of endpoint structure attributes on local information algorithms based on link prediction. Computing (Vienna/New York), 0, , .	3.2	1
1162	A Visualization Approach for Simulating and Analyzing Infection Spread Dynamics Using Temporal Networks. Journal of Information and Data Management, 2022, 13, .	0.2	0
1163	Design and Implementation of a New Local Alignment Algorithm for Multilayer Networks. Entropy, 2022, 24, 1272.	1.1	4
1164	Graph neural network inspired algorithm for unsupervised network community detection. Applied Network Science, 2022, 7, .	0.8	4
1165	Finite-state parameter space maps for pruning partitions in modularity-based community detection. Scientific Reports, 2022, 12, .	1.6	0
1166	Complex networks for community detection of basketball players. Annals of Operations Research, 2023, 325, 363-389.	2.6	2
1167	Subdivisions and crossroads: Identifying hidden community structures in a data archive's citation network. Quantitative Science Studies, 2022, 3, 694-714.	1.6	5
1168	Community detection in networks by dynamical optimal transport formulation. Scientific Reports, 2022, 12, .	1.6	0

#	ARTICLE	IF	CITATIONS
1169	Hiding ourselves from community detection through genetic algorithms. <i>Information Sciences</i> , 2022, 614, 123-137.	4.0	10
1170	Local Community Detection: A Survey. <i>IEEE Access</i> , 2022, 10, 110701-110726.	2.6	5
1171	The Anisian (Middle Triassic) brachiopods from the southern Qilian Mountains, northwestern China. <i>Papers in Palaeontology</i> , 2022, 8, .	0.7	2
1172	In search of soft power: mapping the expert community with a bibliometric network analysis. <i>Journal of Political Power</i> , 2022, 15, 556-571.	2.6	0
1173	Correlations of network trajectories. <i>Physical Review Research</i> , 2022, 4, .	1.3	3
1174	Identification of city motifs: a method based on modularity and similarity between hierarchical features of urban networks. <i>Journal of Physics Complexity</i> , 2022, 3, 045003.	0.9	2
1175	Improving binary diffing speed and accuracy using community detection and locality-sensitive hashing: an empirical study. <i>Journal of Computer Virology and Hacking Techniques</i> , 0, , .	1.6	0
1176	Know thy tools! Limits of popular algorithms used for topic reconstruction. <i>Quantitative Science Studies</i> , 2022, 3, 1054-1078.	1.6	2
1177	On maximization of the modularity index in network psychometrics. <i>Behavior Research Methods</i> , 2023, 55, 3549-3565.	2.3	6
1178	Modified Modularity Density Maximization and Density Ratio Heuristic. <i>Computers and Operations Research</i> , 2022, , 106072.	2.4	0
1179	Community Deception in Attributed Networks. <i>IEEE Transactions on Computational Social Systems</i> , 2024, 11, 228-237.	3.2	1
1180	Delineating and comparing local labor market geographies of Millennials, Generation Xers, and Baby Boomers. <i>Travel Behaviour &amp; Society</i> , 2023, 30, 325-334.	2.4	2
1181	Deep MinCut: Learning Node Embeddings by Detecting Communities. <i>Pattern Recognition</i> , 2023, 134, 109126.	5.1	8
1182	Cluster-preserving sampling algorithm for large-scale graphs. <i>Science China Information Sciences</i> , 2023, 66, .	2.7	1
1183	The expansionary strategies of intellectual monopolies: Google and the digitalization of healthcare. <i>Economy and Society</i> , 2023, 52, 110-136.	1.3	2
1184	Sustainable decision making for chemical process systems via dimensionality reduction of many objective problems. <i>AIChE Journal</i> , 2023, 69, .	1.8	1
1185	Nested population structure of threatened boreal caribou revealed by network analysis. <i>Global Ecology and Conservation</i> , 2022, 40, e02327.	1.0	1
1186	Dynamic emergence of relational structure network in human brains. <i>Progress in Neurobiology</i> , 2022, 219, 102373.	2.8	1

#	ARTICLE	IF	CITATIONS
1187	bNeSiFC: The Boosted NeSiFC Algorithm for Fast Fuzzy Community Detection based on Neighborsâ€™ Similarity. , 2022, , .		0
1188	Network community detection and clustering with random walks. Physical Review Research, 2022, 4, .	1.3	3
1189	Multiplex network community detection algorithm based on motif awareness. Knowledge-Based Systems, 2023, 260, 110136.	4.0	6
1190	Explaining causality of node (non-)participation in network communities. Information Sciences, 2023, 621, 354-370.	4.0	0
1191	Hierarchical Topic Model Inference by Community Discovery on Word Co-occurrence Networks. Communications in Computer and Information Science, 2022, , 148-162.	0.4	1
1192	Towards Robust Community Detection via Extreme Adversarial Attacks. , 2022, , .		0
1194	Estimating mixed-memberships using the symmetric laplacian inverse matrix. Journal of the Korean Statistical Society, 0, , .	0.3	0
1195	Inference of hyperedges and overlapping communities in hypergraphs. Nature Communications, 2022, 13, .	5.8	21
1196	Detecting hierarchical organization of pervasive communities by modular decomposition of Markov chain. Scientific Reports, 2022, 12, .	1.6	0
1197	Clinical subtyping using community detection: Limited utility?. International Journal of Methods in Psychiatric Research, 0, , .	1.1	2
1198	Graph coloring with physics-inspired graph neural networks. Physical Review Research, 2022, 4, .	1.3	6
1199	Knowledge Production: Analysing Gender- and Country-Dependent Factors in Research Topics through Term Communities. Publications, 2022, 10, 45.	1.9	0
1200	Community structure detection in networks based on Tabu search. Journal of Control and Decision, 0, , 1-11.	0.7	0
1201	Modularity Maximization for Graphons. SIAM Journal on Applied Mathematics, 2022, 82, 1930-1952.	0.8	0
1202	Modularity, balance, and frustration in student social networks: The role of negative relationships in communities. PLoS ONE, 2022, 17, e0278647.	1.1	0
1203	Competitive Categorization and Networks: Cognitive Strategic Groups. British Journal of Management, 2023, 34, 1687-1713.	3.3	0
1204	Identifying Influential Communities Using IID for a Multilayer Networks. Intelligent Automation and Soft Computing, 2023, 36, 1715-1731.	1.6	2
1205	Dynamic network sampling for community detection. Applied Network Science, 2023, 8, .	0.8	0

#	ARTICLE	IF	CITATIONS
1206	Fast Spread in Controlled Evolutionary Dynamics. IEEE Transactions on Control of Network Systems, 2023, , 1-12.	2.4	0
1207	Subtypes of relapsing-remitting multiple sclerosis identified by network analysis. Frontiers in Digital Health, 0, 4, .	1.5	0
1208	From metabarcoding time series to plankton food webs: The hidden role of trophic hierarchy in providing ecological resilience. Marine Ecology, 2023, 44, .	0.4	2
1209	Stochastic Local Community Detection in Networks. Algorithms, 2023, 16, 22.	1.2	0
1210	Time-topology analysis on temporal graphs. VLDB Journal, 2023, 32, 815-843.	2.7	1
1211	Evaluation of global teleconnections in CMIP6 climate projections using complex networks. Earth System Dynamics, 2023, 14, 17-37.	2.7	4
1212	Human motor sequence learning drives transient changes in network topology and hippocampal connectivity early during memory consolidation. Cerebral Cortex, 2023, 33, 6120-6131.	1.6	2
1213	Deep Learning in Social Networks for Overlapping Community Detection. International Journal on Recent and Innovation Trends in Computing and Communication, 2022, 10, 35-43.	0.4	0
1214	Feature Selection for Microarray Data via Community Detection Fusing Multiple Gene Relation Networks Information. , 2022, , .		0
1215	Air Transport Network: A Comparison of Statistical Backbone Filtering Techniques. Studies in Computational Intelligence, 2023, , 551-564.	0.7	3
1216	Clustering spatial networks through latent mixture models. Journal of the Royal Statistical Society Series A: Statistics in Society, 0, , .	0.6	0
1217	Modeling Node Exposure for Community Detection in Networks. Studies in Computational Intelligence, 2023, , 233-244.	0.7	0
1218	A Stochastic Approach for Extracting Community-Based Backbones. Studies in Computational Intelligence, 2023, , 55-67.	0.7	0
1219	KO: Modularity optimization in community detection. Neural Computing and Applications, 2023, 35, 11073-11087.	3.2	2
1220	A Community Detection Approach for Academic Social Network: the Case of the Cross-Strait Academic Conference Network. , 2022, , .		0
1221	Estimating Mixed Memberships in Directed Networks by Spectral Clustering. Entropy, 2023, 25, 345.	1.1	1
1222	The Institutional Social Role for Maritim Village's Food Stability. IOP Conference Series: Earth and Environmental Science, 2023, 1148, 012033.	0.2	1
1223	Emergent patterns in global health diplomacy: a network analysis of the resolutions adopted by the World Health Assembly from 1948 to 2022. BMJ Global Health, 2023, 8, e011211.	2.0	2

#	ARTICLE	IF	CITATIONS
1224	Network Refinement: Denoising complex networks for better community detection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 617, 128681.	1.2	2
1225	A study on modularity density maximization: Column generation acceleration and computational complexity analysis. <i>European Journal of Operational Research</i> , 2023, 309, 516-528.	3.5	3
1226	Statistical power, accuracy, reproducibility and robustness of a graph clusterability test. <i>International Journal of Data Science and Analytics</i> , 2023, 15, 379-390.	2.4	1
1227	A novel network core structure extraction algorithm utilized variational autoencoder for community detection. <i>Expert Systems With Applications</i> , 2023, 222, 119775.	4.4	8
1228	Community Detection in Multilayer Networks Via Semi-Supervised Joint Symmetric Nonnegative Matrix Factorization. <i>IEEE Transactions on Network Science and Engineering</i> , 2023, 10, 1623-1635.	4.1	0
1229	Algorithms for Large-Scale Network Analysis and the NetworKit Toolkit. <i>Lecture Notes in Computer Science</i> , 2022, , 3-20.	1.0	1
1230	Effective Resistance Based Weight Thresholding for Community Detection. <i>Communications in Computer and Information Science</i> , 2022, , 14-23.	0.4	0
1231	Preferential attachment hypergraph with high modularity. <i>Network Science</i> , 2022, 10, 400-429.	0.8	3
1232	Model-independent embedding of directed networks into Euclidean and hyperbolic spaces. <i>Communications Physics</i> , 2023, 6, .	2.0	4
1233	Effective Visualization and Analysis of Recommender Systems. , 2022, , .		1
1234	Discovering Community Structure in Multiplex Networks via a Co-Regularized Robust Tensor-Based Spectral Approach. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 2514.	1.3	0
1235	Analysis of productivity, efficiency, and their explanatory factors in the fast fashion sector: New evidence from the international environment. <i>Journal of Global Fashion Marketing</i> , 2023, 14, 449-467.	2.4	1
1236	Structure of personal networks and cognitive abilities: A study on a sample of Italian older adults. <i>Social Networks</i> , 2023, 74, 71-77.	1.3	1
1238	A community-aware centrality framework based on overlapping modularity. <i>Social Network Analysis and Mining</i> , 2023, 13, .	1.9	1
1239	Determining the number of clusters, before finding clusters, from the susceptibility of the similarity matrix. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 616, 128592.	1.2	1
1240	Research on the Prediction of Operator Users'™ Number Portability Based on Community Detection. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 3497.	1.3	0
1241	Higher Order Knowledge Transfer for Dynamic Community Detection With Great Changes. <i>IEEE Transactions on Evolutionary Computation</i> , 2024, 28, 90-104.	7.5	0
1242	NosWalker: A Decoupled Architecture for Out-of-Core Random Walk Processing. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
1243	Evaluation of Joint Modeling Techniques for Node Embedding and Community Detection on Graphs. , 2022, , .		0
1244	Weight Penalty Mechanism for Noncooperative Behavior in Large-Scale Group Decision Making With Unbalanced Linguistic Term Sets. IEEE Transactions on Fuzzy Systems, 2023, 31, 3507-3521.	6.5	12
1245	Estimating the Number of Communities in Weighted Networks. Entropy, 2023, 25, 551.	1.1	1
1246	Community Detection in Multilayer Networks Based on Matrix Factorization and Spectral Embedding Method. Mathematics, 2023, 11, 1573.	1.1	1
1247	Multistability, intermittency, and hybrid transitions in social contagion models on hypergraphs. Nature Communications, 2023, 14, .	5.8	13
1248	Consistency between ordering and clustering methods for graphs. Physical Review Research, 2023, 5, .	1.3	3
1249	Overlapping communities detection through weighted graph community games. PLoS ONE, 2023, 18, e0283857.	1.1	3
1250	A Multi-Objective Crow Search Algorithm for Influence Maximization in Social Networks. Electronics (Switzerland), 2023, 12, 1790.	1.8	4
1252	Maximally modular structure of growing hyperbolic networks. Communications Physics, 2023, 6, .	2.0	1
1253	Dimension matters when modeling network communities in hyperbolic spaces. , 2023, 2, .		4
1254	Mapping bridges between anxiety, depression, and somatic symptoms in primary care patients: a network perspective. Current Psychology, 0, , .	1.7	1
1255	Targeted Community Merging provides an efficient comparison between collaboration clusters and departmental partitions. Journal of Complex Networks, 2023, 11, .	1.1	1
1256	Using Social Network Analysis to Identify Individual and Structural Precursors for Promoting Critical Consciousness in Childhood and Adolescence. , 2023, , 202-227.		1
1257	Is your neighbor your friend? Scan methods for spatial social network hotspot detection. Transactions in GIS, 2023, 27, 607-625.	1.0	1
1258	Single-trajectory map equation. Scientific Reports, 2023, 13, .	1.6	1
1281	Deep Learning Attention Model forÂSupervised andÂUnsupervised Network Community Detection. Lecture Notes in Computer Science, 2023, , 647-654.	1.0	0
1282	Heuristic Modularity Maximization Algorithms forÂCommunity Detection Rarely Return anÂOptimal Partition orÂAnything Similar. Lecture Notes in Computer Science, 2023, , 612-626.	1.0	3
1287	Resolving large-scale control and optimization through network structure analysis and decomposition: A tutorial review. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1289	Afterword: The road ahead for connectomics. , 2023, , 433-437.		0
1290	Community detection in network neuroscience. , 2023, , 149-171.		0
1300	Community Detection Using Revised Medoid-Shift Based on KNN. Lecture Notes in Computer Science, 2023, , 345-353.	1.0	0
1312	Graph for VLSI Physical Design: An Extended Methodology to Explore Design Data and Boost Design Optimization. , 2023, , .		0
1313	More is different in real-world multilayer networks. Nature Physics, 2023, 19, 1247-1262.	6.5	9
1314	Preliminary Evaluation of Random Walk Based Rendezvous Search on Facebook Social Networks. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 190-199.	0.5	0
1336	Self-Supervised Community Detection Algorithm Based on Node Feature Convolution. , 2023, , .		0
1338	Uncertainty of Graph Clustering in Correlation Block Model. Communications in Computer and Information Science, 2023, , 353-363.	0.4	0
1339	A Graph Scale Reduction Method for Graph Deep Learning-Based Transient Stability Assessment after Stability Controls. , 2023, , .		0
1350	Faster Approximation Algorithms for Parameterized Graph Clustering and Edge Labeling. , 2023, , .		0
1361	A Heuristic Approach to Identify Influential Node in Complex Social Networks. , 2023, , .		0
1364	A Study on Algorithms for Detection of Communities in Dynamic Social Networks: A Review. Communications in Computer and Information Science, 2024, , 51-64.	0.4	0
1368	Graph Clustering Based on Frobenius Norm Low-Rank Approximation. , 2023, , .		0
1373	Link Constraint Reliability Learning for Semi-Supervised Community Detection. , 2023, , .		0
1376	A Simple yet Useful Spiral Visualization of Large Graphs. , 2023, , .		0
1381	Robustness and resilience of complex networks. Nature Reviews Physics, 2024, 6, 114-131.	11.9	0
1384	Network Community Detection Algorithm for Graph Networks. Springer Series in Advanced Manufacturing, 2024, , 187-214.	0.2	0
1385	Problem Statement of Network Science-Based Process Optimization. Springer Series in Advanced Manufacturing, 2024, , 159-166.	0.2	0

#	ARTICLE	IF	CITATIONS
1386	Link Graph and Data-Driven Graphs as Complex Networks: Comparative Study. Communications in Computer and Information Science, 2024, , 120-129.	0.4	0
1391	Predicting Interpersonal Influence from Conversational Features. , 2023, , .		0
1392	Evolutionary Graph-Clustering vs Evolutionary Cluster-Detection Approaches for Community Identification in APPI Networks. Lecture Notes in Business Information Processing, 2024, , 98-113.	0.8	0
1393	Almost Exact Recovery in Gossip Opinion Dynamics Over Stochastic Block Models. , 2023, , .		0
1394	A Novel Dynamic Community Detection Model in Social Networks. , 2023, , .		0
1401	Detecting Communities Using Network Embedding and Graph Clustering Approach. Lecture Notes in Networks and Systems, 2024, , 311-325.	0.5	0
1404	Empirical Study of Graph Spectra and Their Limitations. Studies in Computational Intelligence, 2024, , 295-307.	0.7	0
1406	A Modular Network Exploration of Backbone Extraction Techniques. Studies in Computational Intelligence, 2024, , 296-308.	0.7	0
1410	Effects of Null Model Choice on Modularity Maximization. Studies in Computational Intelligence, 2024, , 261-272.	0.7	0
1411	Tailoring Benchmark Graphs to Real-World Networks for Improved Prediction of Community Detection Performance. Studies in Computational Intelligence, 2024, , 108-120.	0.7	0
1412	Weighted and Unweighted Air Transportation Component Structure: Consistency and Differences. Studies in Computational Intelligence, 2024, , 248-260.	0.7	0
1413	Detecting Community Structures in Patients with Peripheral Nervous System Disorders. Studies in Computational Intelligence, 2024, , 172-184.	0.7	0
1414	Entropic Detection of Chromatic Community Structures. Studies in Computational Intelligence, 2024, , 223-234.	0.7	0