CITATION REPORT

Near linear time algorithm to detect community structures in large-scale networks

#	Paper	IF	Citations
2129	On the equivalence of the label propagation method of community detection and a Potts model approach. **2008**, 387, 4982-4984		39
2128	Fast unfolding of communities in large networks. **2008**, 2008, P10008		8361
2127	A microscopic view on community detection in complex networks. **2008**,		4
2126	Towards real-time community detection in large networks. *Physical Review E*, **2009**, 79, 066107	2.4	190
2125	Detecting network communities by propagating labels under constraints. *Physical Review E*, **2009**, 80, 026129	2.4	243
2124	Quantifying and identifying the overlapping community structure in networks. **2009**, 2009, P07042		68
2123	Multiresolution community detection for megascale networks by information-based replica correlations. *Physical Review E*, **2009**, 80, 016109	2.4	156
2122	Structure analysis of social network on multi-activities in MMOG. **2009**,		3
2121	A Realtime Clique Detection Algorithm: Time-Based Incremental Label Propagation. **2009**,		3
2120	Genetic Algorithm with Ensemble Learning for Detecting Community Structure in Complex Networks. **2009**,		23
2119	A Comparison of Community Detection Algorithms on Artificial Networks. **2009**, 242-256		43
2118	A realtime community detection algorithm: incremental label propagation. **2009**,		3
2117	Community Detection in Large-Scale Bipartite Networks. **2009**,		34
2116	How Does Label Propagation Algorithm Work in Bipartite Networks?. **2009**,		19
2115	Relative evaluation of partition algorithms for complex networks. **2009**,		1
2114	Community structure in networks of functional connectivity: resolving functional organization in the rat brain with pharmacological MRI. **2009**, 47, 302-11		49
2113	Fast Complex Network Clustering Algorithm Using Agents. **2009**,		3

2112	Community detection in graphs. **2010**, 486, 75-174	6320
2111	Advanced modularity-specialized label propagation algorithm for detecting communities in networks. **2010**, 389, 1493-1500	149
2110	Detecting community structure in complex networks via node similarity. **2010**, 389, 2849-2857	114
2109	Community Detection in Large-scale Bipartite Networks. **2010**, 25, 16-24	11
2108	Toward Finding Hidden Communities Based on User Profile. **2010**,	24
2107	Edge ratio and community structure in networks. *Physical Review E*, **2010**, 81, 026105	2.4	14
2106	Finding overlapping communities in networks by label propagation. **2010**, 12, 103018	549
2105	Analysis on Community Charactristics of Online Social Network. **2010**,	0
2104	Website clustering from query graph using social network analysis. **2010**,	4
2103	Efficient Semantic Indexing for Image Retrieval. **2010**,	1
2102	GLay: community structure analysis of biological networks. **2010**, 26, 3135-7	158
2101	Empirical Analysis and Multiple Level Views in Massive Social Networks. **2010**,	
2100	. **2010**,	35
2099	Group-Level Analysis by Extracting Semantic Relations from Query Graph. **2010**,	
2098	Complex Networks: An Engineering View. **2010**, 10, 10-25	51
2097	Local resolution-limit-free Potts model for community detection. *Physical Review E*, **2010**, 81, 046114	2.4	127
2096	The Effect of Network Realism on Community Detection Algorithms. **2010**,	13
2095	Community Mining in Complex Network Based on Parallel Genetic Algorithm. **2010**,	

| 2058 | Evolutionary method for finding communities in bipartite networks. *Physical Review E*, **2011**, 83, 066120 | 2.4 | 28 |

| 2057 | A general probabilistic framework for detecting community structure in networks. **2011**, | | 9 |

| 2056 | Social relevance of topological communities in ad hoc communication networks. **2011**, | | 3 |

| 2055 | Unfolding communities in large complex networks: combining defensive and offensive label propagation for core extraction. *Physical Review E*, **2011**, 83, 036103 | 2.4 | 111 |

| 2054 | SLPA: Uncovering Overlapping Communities in Social Networks via a Speaker-Listener Interaction Dynamic Process. **2011**, | | 216 |

| 2053 | Detecting Link Communities in Massive Networks. **2011**, | | 4 |

| 2052 | ANT COLONY OPTIMIZATION WITH A NEW RANDOM WALK MODEL FOR COMMUNITY DETECTION IN COMPLEX NETWORKS. **2011**, 14, 795-815 | | 15 |

| 2051 | Efficient community detection using power graph analysis. **2011**, | | 2 |

| 2050 | Robust detection of hierarchical communities from Escherichia coli gene expression data. **2012**, 8, e1002391 | | 30 |

| 2049 | Feature Analysis and Modeling of the Network Community Structure. **2012**, 58, 604-612 | | 2 |

| 2048 | DEMON. **2012**, | | 132 |

| 2047 | Detecting community structure in networks using edge prediction methods. **2012**, 2012, P09008 | | 13 |

| 2046 | Detecting alternative graph clusterings. *Physical Review E*, **2012**, 86, 016111 | 2.4 | 1 |

| 2045 | Stability-to-instability transition in the structure of large-scale networks. *Physical Review E*, **2012**, 86, 066106 | 2.4 | 8 |

| 2044 | What's in Twitter: I Know What Parties are Popular and Who You are Supporting Now!. **2012**, | | 16 |

| 2043 | A connectivity-based popularity prediction approach for social networks. **2012**, | | 4 |

| 2042 | Community detection using parallel genetic algorithms. **2012**, | | 3 |

| 2041 | Community Preserving Lossy Compression of Social Networks. **2012**, | | 7 |

2040	A method of personalized recommendation based on multi-label propagation for overlapping community detection. **2012**,	5
2039	Community Detection by Neighborhood Similarity. **2012**, 29, 048902	4
2038	AN ANT-BASED ALGORITHM WITH LOCAL OPTIMIZATION FOR COMMUNITY DETECTION IN LARGE-SCALE NETWORKS. **2012**, 15, 1250036	8
2037	Consensus clustering in complex networks. **2012**, 2, 336	427
2036	Global disorder transition in the community structure of large-q Potts systems. **2012**, 99, 38006	11
2035	A New Definition of Modularity for Community Detection in Complex Networks. **2012**, 29, 098901	5
2034	Community detection and analysis of community evolution in Apache Ant class collaboration networks. **2012**,	3
2033	Sequential detection of temporal communities by estrangement confinement. **2012**, 2, 794	28
2032	Gene-sharing networks reveal organizing principles of transcriptomes in Arabidopsis and other multicellular organisms. **2012**, 24, 1362-78	22
2031	Detection and Interpretation of Communities in Complex Networks: Practical Methods and Application. **2012**, 81-113	10
2030	A large-scale community structure analysis in Facebook. **2012**, 1,	46
2029	Context-sensitive detection of local community structure. **2012**, 2, 279-289	17
2028	Community detection algorithm using the definition of community. **2012**,	1
2027	Community evolution in a scientific collaboration network. **2012**,	4
2026	Structural link prediction using community information on Twitter. **2012**,	12
2025	Arc-Community Detection via Triangular Random Walks. **2012**,	3
2024	Internet traffic identification based on community detection by label propagation. **2012**,	1
2023	Detecting Probabilistic Community with Topic Modeling on Sampling SubGraphs. **2012**,	

2022	CAMERA: an integrated strategy for compound spectra extraction and annotation of liquid chromatography/mass spectrometry data sets. **2012**, 84, 283-9		663
2021	Algorithm for parametric community detection in networks. *Physical Review E*, **2012**, 86, 016107	2.4	8
2020	Towards Linear Time Overlapping Community Detection in Social Networks. **2012**, 25-36		130
2019	Defining and Discovering Communities in Social Networks. **2012**, 139-168		14
2018	Multi-resolution modularity methods and their limitations in community detection. **2012**, 85, 1		13
2017	Partisan asymmetries in online political activity. **2012**, 1,		136
2016	Community Detection Using Label Propagation in Entropic Order. **2012**,		4
2015	Social networks community detection using the Shapley value. **2012**,		10
2014	A complex networks approach for data clustering. **2012**, 391, 6174-6183		15
2013	Bloom: A stochastic growth-based fast method of community detection in networks. **2012**, 3, 356-366		4
2012	An improved memetic algorithm for community detection in complex networks. **2012**,		9
2011	Community Detection in Social Networks Using Information Diffusion. **2012**,		14
2010	A parallel graph partitioning algorithm to speed up the large-scale distributed graph mining. **2012**,		4
2009	Segmentation of Large Images with Complex Networks. **2012**,		6
2008	Ubiquitousness of link-density and link-pattern communities in real-world networks. **2012**, 85, 1		22
2007	Community detection in Social Media. **2012**, 24, 515-554		364
2006	Balanced Multi-Label Propagation for Overlapping Community Detection in Social Networks. **2012**, 27, 468-479		84
2005	Topic correlation and individual influence analysis in online forums. **2012**, 39, 4222-4232		9

| 1986 | LabelRank: A stabilized label propagation algorithm for community detection in networks. **2013**, | 53 |

| 1985 | Overlapping community detection in networks. **2013**, 45, 1-35 | 638 |

| 1984 | Social Structure Detection. **2013**, 3089-3132 | |

| 1983 | Transient community detection and its application to data forwarding in delay tolerant networks. **2013**, | |

| 1982 | Robustness of Community Partition Similarity Metrics. **2013**, | |

| 1981 | Finding High Influence Vertices Based on Candidate Set. **2013**, | |

| 1980 | Parallel Overlapping Community Detection with SLPA. **2013**, | 16 |

| 1979 | Enhanced overlapping community detection in social networks using wise initialization. **2013**, | 2 |

| 1978 | Finding High-Influence Leader Based on Local Metrics. **2013**, | |

| 1977 | Community Detection from Bipartite Networks. **2013**, | 3 |

| 1976 | A Semi-supervised Approach to Visualizing and Manipulating Overlapping Communities. **2013**, | 4 |

| 1975 | MLPA: Detecting overlapping communities by multi-label propagation approach. **2013**, | 0 |

| 1974 | Association Link Network Based Core Events Discovery on the Web. **2013**, | 1 |

| 1973 | Application of a Cognitive-Inspired Algorithm for Detecting Communities in Mobility Networks. **2013**, | |

| 1972 | Community detection based on modularity and an improved genetic algorithm. **2013**, 392, 1215-1231 | 131 |

| 1971 | ISICIL: Semantics and Social Networks for Business Intelligence. **2013**, 67-85 | |

| 1970 | Structural robustness of city road networks based on community. **2013**, 41, 75-87 | 43 |

| 1969 | Detecting community structure using label propagation with weighted coherent neighborhood propinquity. **2013**, 392, 3095-3105 | 40 |

1950	Modeling information diffusion and community membership using stochastic optimization. **2013**,	12
1949	Dynamic group-finding in public bus networks. **2013**,	
1948	Community Vitality in Dynamic Temporal Networks. **2013**, 9, 281565	1
1947	Balanced label propagation for partitioning massive graphs. **2013**,	80
1946	LabelRankT. **2013**,	57
1945	Fault Diagnosis Method for Marine Engine System Combined with Multiple Clusters Using Label Propagation. **2013**, 694-697, 1301-1305	1
1944	Detecting the Overlapping and Hierarchical Community Structure in Networks. **2013**, 19-44	4
1943	Fault Diagnosis for Marine Diesel Engine Based on Class Label Probability and Random Walk. **2013**, 333-335, 1777-1781	
1942	Surprise maximization reveals the community structure of complex networks. **2013**, 3, 1060	54
1941	Community Event Prediction in Dynamic Social Networks. **2013**,	3
1940	Hypothesis Testing for Group Structure in Legislative Networks. **2013**, 13, 225-243	14
1939	On the Analysis of a Label Propagation Algorithm for Community Detection. **2013**, 255-269	9
1938	Community Detection Based on Robust Label Propagation Algorithm. **2013**, 303-310	
1937	A Framework for Online Hot Event Discovery on the Web. **2013**,	1
1936	A distributed clustering method to segment micro-blog users on cloud environments. **2013**,	1
1935	Genetic Algorithm with a Local Search Strategy for Discovering Communities in Complex Networks. **2013**, 6, 354-369	20
1934	Probabilistic threat propagation for malicious activity detection. **2013**,	4
1933	Community detection of complex network based on communication efficiency of nodes. **2013**,	

1932 Engineering High-Performance Community Detection Heuristics for Massive Graphs. **2013**,   35

1931 Modeling Community Influence in Social Networks with Markov Chains. **2013**,   4

1930 An improved algorithm on micro-blog community detection. **2013**,

1929 Evaluating Cerebral Cortex Connectivity with Local Information Algorithm. **2013**,   1

1928 Informative Value of Individual and Relational Data Compared Through Business-Oriented
      Community Detection. **2013**, 303-330   1

1927 A Community Detection Algorithm Based on Node Degree Difference and Node Similarity. **2013**,
      462-463, 458-461   1

1926 On the Evolution of Contacts and Communities in Networks of Face-to-Face Proximity. **2013**,   3

1925 Exploring the limits of community detection strategies in complex networks. **2013**, 3, 2216   46

1924 A New Method for Detecting Anti-community Structures in Complex Networks. **2013**, 410, 012103   1

1923 Fast iterative graph computation with block updates. **2013**, 6, 2014-2025   35

1922 Discovering Pictorial Brand Associations from Large-Scale Online Image Data. **2013**,   4

1921 The Bridges and Brokers of Global Campaigns in the Context of Social Media. **2013**,   9

1920 Active semi-supervised community detection based on must-link and cannot-link constraints. **2014**,
      9, e110088   14

1919 Gossip-based solutions for discrete rendezvous in populations of communicating agents. **2014**, 9, e112612

1918 Detecting community structures in networks by label propagation with prediction of percolation
      transition. **2014**, 2014, 148686   2

1917 An Improved Local Community Detection Algorithm Using Selection Probability. **2014**, 2014, 1-10   1

1916 A node influence based label propagation algorithm for community detection in networks. **2014**,
      2014, 627581   38

1915 Decomposition-based multiobjective evolutionary algorithm for community detection in dynamic
      social networks. **2014**, 2014, 402345   16

1914   Visualizing brand associations from web community photos. **2014**,   6

1913   NSLPA: A Node Similarity Based Label Propagation Algorithm for Real-Time Community Detection. **2014**,   5

1912   Label propagation algorithm based on edge clustering coefficient for community detection in complex networks. **2014**, 28, 1450216   18

1911   Ensemble method: Community detection based on game theory. **2014**, 28, 1450211   5

1910   A Community Divisive Algorithm Using Local Weak Links. **2014**,   1

1909   A Game-Theoretic Approach to Graph Clustering. **2014**, 26, 629-643   8

1908   Semi-supervised community detection using label propagation. **2014**, 28, 1450208   24

1907   AGGLOMERATIVE CLUSTERING BASED ON LABEL PROPAGATION FOR DETECTING OVERLAPPING AND HIERARCHICAL COMMUNITIES IN COMPLEX NETWORKS. **2014**, 17, 1450021   4

1906   Image community detection. **2014**,

1905   RLP: A Community Detection-Based Routing Protocol for Wireless Sensor Networks. **2014**,   0

1904   . **2014**,   23

1903   Greedy local algorithm for overlapping community detection in online social networks. **2014**,   1

1902   LICOD: A Leader-driven algorithm for community detection in complex networks. **2014**, 1, 241-256   34

1901   Using Prior Knowledge for Community Detection by Label Propagation Algorithm. **2014**, 1049-1050, 1566-1571

1900   A Node Importance Based Label Propagation Approach for Community Detection. **2014**, 249-257   7

1899   Detecting Overlapping Communities with MDS and Local Expansion FCM. **2014**, 644-650, 3295-3299

1898   User Interaction Based Community Detection in Online Social Networks. **2014**, 296-310   8

1897   OPINION DYNAMICS APPROACH FOR IDENTIFYING COMMUNITY STRUCTURES IN COMPLEX NETWORKS. **2014**, 17, 1450023   3

1896 Epdemic spreading model based overlapping community detection. **2014**, 1

1895 Uncovering Hierarchical and Overlapping Communities with a Local-First Approach. **2014**, 9, 1-27 41

1894 Community detection-based features for sequence classification. **2014**, 3

1893 Discovering Social Circles in Directed Graphs. **2014**, 8, 1-27 9

1892 LPA Based Hierarchical Community Detection. **2014**,

1891 Community detection for networks with unipartite and bipartite structure. **2014**, 16, 093001 7

1890 High quality, scalable and parallel community detection for large real graphs. **2014**, 62

1889 CLAN: An Efficient Distributed Temporal Community Detection Protocol for MANETs. **2014**, 3

1888 CommGram: A New Visual Analytics Tool for Large Communication Trace Data. **2014**, 1

1887 Calling and Texting: Social Interactions in a Multidimensional Telecom Graph. **2014**, 3

1886 Detecting Time Series Periodicity Using Complex Networks. **2014**, 7

1885 Detecting overlapping communities of weighted networks by central figure algorithm. **2014**,

1884 A New Genetic Algorithm for Overlapping Community Detection. **2014**, 0

1883 PuLP: Scalable multi-objective multi-constraint partitioning for small-world networks. **2014**, 23

1882 Description-Driven Community Detection. **2014**, 5, 1-28 47

1881 Label propagation with ⊞degree neighborhood impact for network community detection. **2014**, 2014, 130689 8

1880 Fast parallel algorithm for unfolding of communities in large graphs. **2014**, 25

1879 A novel criterion for overlapping communities detection and clustering improvement. **2014**, 3

1878	. **2014**,	2
1877	Evaluating and Comparing the IGraph Community Detection Algorithms. **2014**,	4
1876	Incremental Clustering of Dynamic Bipartite Networks. **2014**,	4
1875	Parallel Toolkit for Measuring the Quality of Network Community Structure. **2014**,	4
1874	EgoLP: Fast and Distributed Community Detection in Billion-Node Social Networks. **2014**,	18
1873	MPAC: Maximizing Product Adoption considering the profitability of communities. **2014**,	2
1872	Mapping cortical functions with a local community detection algorithm. **2014**, 2, 637-653	7
1871	Local search of communities in large graphs. **2014**,	141
1870	CoDEM. **2014**,	2
1869	A Hierarchical Multi-label Propagation Algorithm for Overlapping Community Discovery in Social Networks. **2014**,	4
1868	An ant colony optimization method to detect communities in social networks. **2014**,	7

1867	Detecting network communities beyond assortativity-related attributes. *Physical Review E*, **2014**, 90, 012806	2.4	6

1866	An image community detection method for hierarchical visualisation. **2014**,	
1865	Detecting image communities. **2014**,	
1864	Community-based matrix factorization for scalable music recommendation on smartphones. **2014**,	
1863	Overlap versus partition: Marketing classification and customer profiling in complex networks of products. **2014**,	5
1862	A DC programming approach for finding communities in networks. **2014**, 26, 2827-54	18
1861	Detection of stable mobile communities in vehicular Ad Hoc Networks. **2014**,	4

1860 Detecting highly overlapping community structure based on Maximal Clique Networks. **2014**, 2

1859 Scalable and robust community detection via Proximity-based Cut and Merge. **2014**,

1858 Graph summarization for attributed graphs. **2014**, 12

1857 CPL: Detecting Protein Complexes by Propagating Labels on Protein-Protein Interaction Network. **2014**, 29, 1083-1093 1

1856 Two-layer modular analysis of gene and protein networks in breast cancer. **2014**, 8, 81 3

1855 A Novel Approach for Detecting Community Structure in Networks. **2014**, 1

1854 An efficient community detection algorithm using greedy surprise maximization. **2014**, 47, 165101 12

1853 Community Structure Analysis in Social Network of Sina Weibo. **2014**, 590, 756-762 0

1852 Patent keyword network analysis for improving technology development efficiency. **2014**, 83, 170-182 79

1851 A community-detection based approach to identification of inhomogeneities in granular matter. **2014**, 407, 312-331 13

1850 A locally optimal hierarchical divisive heuristic for bipartite modularity maximization. **2014**, 8, 903-917 14

1849 Expansion and decentralized search in complex networks. **2014**, 38, 469-490 3

1848 Applying network methods to acoustic telemetry data: Modeling the movements of tropical marine fishes. **2014**, 293, 139-149 46

1847 Dual modularity optimization for detecting overlapping communities in bipartite networks. **2014**, 40, 455-488 20

1846 Mixing local and global information for community detection in large networks. **2014**, 80, 72-87 87

1845 Novel heuristic density-based method for community detection in networks. **2014**, 403, 71-84 31

1844 Evolutionary Network Analysis. **2014**, 47, 1-36 165

1843 Community detection in networks via a spectral heuristic based on the clustering coefficient. **2014**, 176, 89-99 37

1824   YASCA: An Ensemble-Based Approach for Community Detection in Complex Networks. **2014**, 657-666   10

1823   Temporal evolution of contacts and communities in networks of face-to-face human interactions. **2014**, 57, 1-17   23

1822   How Web 1.0 fails: the mismatch between hyperlinks and clickstreams. **2014**, 4, 1   11

1821   Group detection in complex networks: An algorithm and comparison of the state of the art. **2014**, 397, 144-156   19

1820   Anti-modularity and anti-community detecting in complex networks. **2014**, 275, 293-313   21

1819   Cultural scene detection using reverse Louvain optimization. **2014**, 95, 44-72   10

1818   Overlapping-box-covering method for the fractal dimension of complex networks. *Physical Review E*, **2014**, 89, 042809   2.4   20

1817   A local multiresolution algorithm for detecting communities of unbalanced structures. **2014**, 407, 380-393   7

1816   Robustness of city road networks at different granularities. **2014**, 411, 21-34   67

1815   Remodeling the network for microgroup detection on microblog. **2014**, 39, 643-665   4

1814   Community detection in large-scale networks: a survey and empirical evaluation. **2014**, 6, 426-439   126

1813   On investigating social dynamics in tactical opportunistic mobile networks. **2014**,

1812   Community classification in decentralized social networks using local topological information. **2014**,

1811   Multi-domain grooming in power source aware networks. **2014**,   3

1810   Characterization of Nested Complexes in Protein Interaction Networks. **2014**,

1809   Relative centrality and local community detection. **2015**, 3, 445-479   12

1808   Community Detection in Complex Networks: Algorithms and Analysis. **2015**, 238-244

1807   Evaluating accuracy of community detection using the relative normalized mutual information. **2015**, 2015, P11006   34

1806	Near Linear-Time Community Detection in Networks with Hardly Detectable Community Structure. **2015**,	2
1805	Exploring network structures via blockmodeling of the shortest path length matrix. **2015**, 38, 1080-1089	1
1804	Weighted label propagation algorithm for overlapping community detection. **2015**,	5
1803	Prognostic models in coronary artery disease: Cox and network approaches. **2015**, 2, 140270	2
1802	Detecting communities based on network topology. **2014**, 4, 5739	38
1801	LeadersRank: Towards a new approach for community detection in social networks. **2015**,	4
1800	Leveraging disjoint communities for detecting overlapping community structure. **2015**, 2015, P05017	16
1799	Faster unfolding of communities: speeding up the Louvain algorithm. *Physical Review E*, **2015**, 92, 032801 1.4	50
1798	Detection of gene communities in multi-networks reveals cancer drivers. **2015**, 5, 17386	66
1797	A multiplex-network based approach for clustering ensemble selection. **2015**,	3
1796	Fast community structure local uncovering by independent vertex-centred process. **2015**,	1
1795	Identifying robust communities and multi-community nodes by combining top-down and bottom-up approaches to clustering. **2015**, 5, 16361	47
1794	Local multiresolution order in community detection. **2015**, 2015, P01001	5
1793	Uncovering the Small Community Structure in Large Networks. **2015**,	56
1792	A New Label Propagation With Dams. **2015**,	5
1791	Machine learning for inferring phase connectivity in distribution networks. **2015**,	1
1790	A Stable and Distributed Community Detection Algorithm Based on Maximal Cliques. **2015**,	1
1789	Router-level community structure of the Internet Autonomous Systems. **2015**, 4,	

1788   Online hot event discovery based on Association Link Network. **2015**, 27, 4001-4014   3

1787   Calling, texting, and moving: multidimensional interactions of mobile phone users. **2015**, 2,   7

1786   Community detection in directed acyclic graphs. **2015**, 88, 1   15

1785   . **2015**,   6

1784   A Novel Clonal Selection Algorithm for Community Detection in Complex Networks. **2015**, 31, 442-464   16

1783   The comparison of significance of fuzzy community partition across optimization methods. **2015**, 29, 2707-2715   2

1782   Network Community Detection on Metric Space. **2015**, 8, 680-696   5

1781   Detecting modules in biological networks by edge weight clustering and entropy significance. **2015**, 6, 265   15

1780   A voxelwise approach to determine consensus regions-of-interest for the study of brain network plasticity. **2015**, 9, 97   12

1779   Multi-objective community detection based on memetic algorithm. **2015**, 10, e0126845   26

1778   Characterization of protein complexes and subcomplexes in protein-protein interaction databases. **2015**, 2015, 245075   1

1777   Parallelizing SLPA for Scalable Overlapping Community Detection. **2015**, 2015, 1-18   2

1776   Effective Semisupervised Community Detection Using Negative Information. **2015**, 2015, 1-8   1

1775   CenLP: A centrality-based label propagation algorithm for community detection in networks. **2015**, 436, 767-780   22

1774   Community Detection from Signed Social Networks Using a Multi-objective Evolutionary Algorithm. **2015**, 259-270   5

1773   A Novel Algorithm for Finding Overlapping Communities in Networks Based on Label Propagation. **2015**, 325-332

1772   Modeling influence diffusion to uncover influence centrality and community structure in social networks. **2015**, 5, 1   4

1771   A Discrete Bat Algorithm for the Community Detection Problem. **2015**, 188-199   20

1770	Research on User Competition of Communication Networks Based on Community Structure and Linear Threshold Model. **2015**,	2
1769	Complex Network Analysis on Distributed Systems. **2015**,	4
1768	Discovery of hotspots evolution based on community detection method. **2015**,	
1767	A New Random-Walk Based Label Propagation Community Detection Algorithm. **2015**,	5
1766	A technique for associating political alignment to users. **2015**,	
1765	Finding Hierarchical Communities in Complex Networks Using Influence-Guided Label Propagation. **2015**,	4
1764	A discrete Krill herd optimization algorithm for community detection. **2015**,	9
1763	Comparing the Sensitivity of Social Networks, Web Graphs, and Random Graphs with Respect to Vertex Removal. **2015**,	2
1762	Fusion based approach to discovering social circles in EGO networks. **2015**,	1
1761	GossipMap. **2015**,	14
1760	Community detection in social networks. **2015**, 8, 998-1009	97
1759	Data routing strategies in opportunistic mobile social networks: Taxonomy and open challenges. **2015**, 93, 183-198	26
1758	Optimized Parallel Label Propagation Based Community Detection on the Intel(R) Xeon Phi(TM) Architecture. **2015**,	1
1757	Research on Communities Detection in Social Network. **2015**,	
1756	Quantification in social networks. **2015**,	10
1755	A community detection method based on K-shell. **2015**,	
1754	Parallel Modularity-Based Community Detection on Large-Scale Graphs. **2015**,	10
1753	Dynamic community detection based on game theory in social networks. **2015**,	7

1752	Enhancing the Utility of Community Detection Research. **2015**, 3, 4098-4105		
1751	. **2015**,		2
1750	Clustering Formulation Using Constraint Optimization. **2015**, 93-107		8
1749	Community detection in social networks using ant colony algorithm and fuzzy clustering. **2015**,		5
1748	Community detection in social network: Literature review and research perspectives. **2015**,		0
1747	Scalable adaptive label propagation in Grappa. **2015**,		2
1746	HLPA: A hybrid label propagation algorithm to find communities in large-scale networks. **2015**,		3
1745	Social significance of community structure: statistical view. *Physical Review E*, **2015**, 91, 012801	2.4	100
1744	Algorithms and Applications for Community Detection in Weighted Networks. **2015**, 26, 2916-2926		65
1743	Detecting overlapping communities in networks via dominant label propagation. **2015**, 24, 018703		14
1742	Analysis of community-detection methods based on Potts spin model in complex networks. **2015**, 93, 418-423		6
1741	Large-scale community detection based on node membership grade and sub-communities integration. **2015**, 428, 279-294		31
1740	An ant colony based algorithm for overlapping community detection in complex networks. **2015**, 427, 289-301		31
1739	Exploratory Analysis of Communities in Co-authorship Networks: A Case Study. **2015**, 55-64		11
1738	Distributed community detection in dynamic graphs. **2015**, 584, 19-41		14
1737	Geo-located community detection in Twitter with enhanced fast-greedy optimization of modularity: the case study of typhoon Haiyan. **2015**, 29, 258-279		46
1736	Combined node and link partitions method for finding overlapping communities in complex networks. **2015**, 5, 8600		27
1735	Detecting overlapping communities in poly-relational networks. **2015**, 18, 1373-1390		4

1734   Ensemble Selection for Community Detection in Complex Networks. **2015**, 138-147   3

1733   Fuzzy-rough community in social networks. **2015**, 67, 145-152   40

1732   A novel cosine distance for detecting communities in complex networks. **2015**, 437, 21-35   7

1731   Breeding patterns and cultivated beets origins by genetic diversity and linkage disequilibrium analyses. **2015**, 128, 2255-71   11

1730   A similarity-based community detection method with multiple prototype representation. **2015**, 438, 519-531   10

1729   FOCS: Fast Overlapped Community Search. **2015**, 27, 2974-2985   24

1728   Community detection based on local topological information and its application in power grid. **2015**, 170, 384-392   25

1727   A Community-Based Approach to Identifying Influential Spreaders. **2015**, 17, 2228-2252   33

1726   Hologenome theory supported by cooccurrence networks of species-specific bacterial communities in siphonous algae (Caulerpa). **2015**, 91,   28

1725   Distributed Community Detection with the WCC Metric. **2015**,   7

1724   Memory-based label propagation algorithm for community detection in social networks. **2015**,   8

1723   Exploring community structure of software Call Graph and its applications in class cohesion measurement. **2015**, 108, 193-210   30

1722   Evaluation of connected-component labeling algorithms for distributed-memory systems. **2015**, 44, 53-68   16

1721   Sampling promotes community structure in social and information networks. **2015**, 432, 206-215   10

1720   Identification of gene co-expression clusters in liver tissues from multiple porcine populations with high and low backfat androstenone phenotype. **2015**, 16, 21   3

1719   Detecting Multi-Scale Community Structure in Complex Networks. **2015**, 740, 881-884

1718   Community Detection-Based Feature Construction for Protein Sequence Classification. **2015**, 331-342   1

1717   Community detection using local neighborhood in complex networks. **2015**, 436, 665-677   54

| 1698 | Scalable Community Detection with the Louvain Algorithm. **2015**, | 38 |

| 1697 | Label propagation based evolutionary clustering for detecting overlapping and non-overlapping communities in dynamic networks. **2015**, 89, 487-496 | 19 |

| 1696 | A flexible multiscale approach to overlapping community detection. **2015**, 5, 1 | 3 |

| 1695 | Parallel Multi-label Propagation for Overlapping Community Detection in Large-Scale Networks. **2015**, 351-362 | 1 |

| 1694 | Approaches to Detect Micro-Blog User Interest Communities Through the Integration of Explicit User Relationship and Implicit Topic Relations. **2015**, 95-106 | 2 |

| 1693 | Thinking Like a Vertex. **2015**, 48, 1-39 | 127 |

| 1692 | Multi-threaded modularity based graph clustering using the multilevel paradigm. **2015**, 76, 66-80 | 30 |

| 1691 | Overlapping community identification approach in online social networks. **2015**, 421, 233-248 | 15 |

| 1690 | Median evidential c-means algorithm and its application to community detection. **2015**, 74, 69-88 | 52 |

| 1689 | An on-line sequential learning method in social networks for node classification. **2015**, 149, 207-214 | 10 |

| 1688 | Detecting community structure via synchronous label propagation. **2015**, 151, 1063-1075 | 25 |

| 1687 | A hybrid artificial immune network for detecting communities in complex networks. **2015**, 97, 483-507 | 25 |

| 1686 | A cellular learning automata based algorithm for detecting community structure in complex networks. **2015**, 151, 1216-1226 | 36 |

| 1685 | Community Detection Algorithm Based on Artificial Fish Swarm Optimization. **2015**, 509-521 | 10 |

| 1684 | A flexible approach for the hierarchical community detection. **2016**, 7, 04012 | |

| 1683 | Bayesian degree-corrected stochastic blockmodels for community detection. **2016**, 10, | 6 |

| 1682 | Incremental Density-Based Link Clustering Algorithm for Community Detection in Dynamic Networks. **2016**, 2016, 1-11 | 10 |

| 1681 | A Monte Carlo Evaluation of Weighted Community Detection Algorithms. **2016**, 10, 45 | 28 |

| 1662 | Community Detection Based on Girvan Newman Algorithm and Link Analysis of Social Media. **2016**, 223-234 | 5 |

| 1661 | Non-sharing communities? An empirical study of community detection for access control decisions. **2016**, | 7 |

| 1660 | Applying Community Detection Methods to Cluster Tags in Multimedia Search Results. **2016**, | 1 |

| 1659 | Dynamic cluster-based over-demand prediction in bike sharing systems. **2016**, | 79 |

| 1658 | An Overlapping Communities Detection Algorithm via Maxing Modularity in Opportunistic Networks. **2016**, 7, 05007 | |

| 1657 | An incremental local-first community detection method for dynamic graphs. **2016**, | 3 |

| 1656 | Dynamic Clustering in Social Networks Using Louvain and Infomap Method. **2016**, | 6 |

| 1655 | LDBC graphalytics. **2016**, 9, 1317-1328 | 65 |

| 1654 | To link or not to link: Ranking hyperlinks in Wikipedia using collective attention. **2016**, | 0 |

| 1653 | Applications of Discrete Dirichlet Problem to Semi-supervised Community Detection by Label Propagation. **2016**, | |

| 1652 | A scalable model for efficient information diffusion in large real world networks. **2016**, | 2 |

| 1651 | Community Detection in Complicated Network Based on the Multi-view Weighted Signed Permanence. **2016**, | 1 |

| 1650 | Overlapping Community Detection by Local Decentralised Vertex-Centred Process. **2016**, | |

| 1649 | Neologisms detection in a overlapping topical complex network. **2016**, | |

| 1648 | Analyzing extended property graphs with Apache Flink. **2016**, | 12 |

| 1647 | Heuristics for SDN controller deployment using community detection algorithm. **2016**, | 1 |

| 1646 | A Density-Based Seed-Centric Community Detection Algorithm. **2016**, | 3 |

| 1645 | Algorithms for item categorization based on ordinal ranking data. **2016**, | |

| 1626 | A Case Study of Complex Graph Analysis in Distributed Memory: Implementation and Optimization. **2016**, | 18 |

| 1625 | Community detection by label propagation with compression of flow. **2016**, 89, 1 | 12 |

| 1624 | . **2016**, | 3 |

| 1623 | Group Detection in Real-World Social Networks. **2016**, | |

| 1622 | A link prediction algorithm based on label propagation. **2016**, 16, 43-50 | 15 |

| 1621 | Enhancing community detection by using local structural information. **2016**, 2016, 033405 | 15 |

| 1620 | Adaptive Visualization. **2016**, 123-170 | |

| 1619 | In a World That Counts. **2016**, | 19 |

| 1618 | Signed Network Label Propagation Algorithm with Structural Balance Degree for Community Detection. **2016**, 427-435 | 8 |

| 1617 | Statistical significance across multiple optimization models for community partition. **2016**, 30, 1650187 | 2 |

| 1616 | Community detection in networks based on minimum spanning tree and modularity. **2016**, 460, 230-234 | 23 |

| 1615 | SONIC: streaming overlapping community detection. **2016**, 30, 819-847 | 7 |

| 1614 | . **2016**, 28, 2349-2362 | 142 |

| 1613 | Comparison of module detection algorithms in protein networks and investigation of the biological meaning of predicted modules. **2016**, 17, 129 | 19 |

| 1612 | An improved label propagation algorithm using average node energy in complex networks. **2016**, 460, 98-104 | 8 |

| 1611 | Quantifying Political Leaning from Tweets, Retweets, and Retweeters. **2016**, 28, 2158-2172 | 44 |

| 1610 | Fuzzy Graphs Clustering with Quality Relation Functionals in Cognitive Models. **2016**, 349-360 | |

| 1609 | Evaluating clustering methods within the Artificial Ecosystem Algorithm and their application to bike redistribution in London. **2016**, 146, 43-59 | 2 |

1608   Detecting Network Community by Propagating Labels Based on Contact-Specific Constraint. **2016**, 697-705   1

1607   Community Detection by Consensus Genetic-based Algorithm for Directed Networks. **2016**, 96, 90-99   9

1606   Enhancing Group Search Optimization with Node Similarities for Detecting Communities. **2016**, 303-316   1

1605   Discrete Group Search Optimizer for Community Detection in Social Networks. **2016**, 439-448   0

1604   Partitioning (hierarchically clustered) complex networks via size-constrained graph clustering. **2016**, 22, 759-782   5

1603   Efficient k-edge connected component detection through an early merging and splitting strategy. **2016**, 111, 63-72   1

1602   Community detection in networks: A user guide. **2016**, 659, 1-44   931

1601   Academic Paper Recommendation Based on Community Detection in Citation-Collaboration Networks. **2016**, 124-136   6

1600   A fuzzy adaptive resonance theory inspired overlapping community detection method for online social networks. **2016**, 113, 75-87   9

1599   Improving the Connectivity of Community Detection-based Hierarchical Routing Protocols in Large-scale WSNs. **2016**, 96, 521-530   2

1598   Quantitative function and algorithm for community detection in bipartite networks. **2016**, 367-368, 874-889   27

1597   Feature identification for predicting community evolution in dynamic social networks. **2016**, 55, 202-218   21

1596   A Novel Algorithm for Detecting Social Clusters and Hierarchical Structure in Industrial IoT. **2016**, 166-178

1595   A self-organizing algorithm for community structure analysis in complex networks. **2016**,   0

1594   Fragmenting networks by targeting collective influencers at a mesoscopic level. **2016**, 6, 37778   7

1593   Community structure analysis using label propagation and flow-based ensemble learning. **2016**,

1592   Hybrid Pulling/Pushing for I/O-Efficient Distributed and Iterative Graph Computing. **2016**,   19

1591   Identifying community structures in dynamic networks. **2016**, 6, 1   12

1590	An efficient modularity based algorithm for community detection in social network. **2016**,		7
1589	A survey on game theoretic models for community detection in social networks. **2016**, 6, 1		25
1588	An empirical comparison of Big Graph frameworks in the context of network analysis. **2016**, 6, 1		8
1587	Highly efficient epidemic spreading model based LPA threshold community detection method. **2016**, 210, 3-12		12
1586	Semantic Divergence Based Evaluation of Web Service Communities. **2016**,		
1585	CoDAR. **2016**,		1
1584	Mining communities in social network based on information diffusion. **2016**, 11, 604-617		1
1583	Comprehensive spectral approach for community structure analysis on complex networks. *Physical Review E*, **2016**, 93, 022301	2.4	1
1582	A flexible methodology to sectorize water supply networks based on social network theory concepts and multi-objective optimization. **2016**, 18, 62-76		26
1581	Improving Node Similarity for Discovering Community Structure in Complex Networks. **2016**, 74-85		1
1580	Event Space-Correlation Analysis Algorithm Based on Ant Colony Optimization. **2016**, 563-570		
1579	Overlap Community Detection Based on Node Convergence Degree. **2016**,		1
1578	Permanence and Community Structure in Complex Networks. **2016**, 11, 1-34		8
1577	A Comparative Analysis of Community Detection Algorithms on Artificial Networks. **2016**, 6, 30750		290
1576	SkipLPA. **2016**,		3
1575	Efficient Community Detection Based on Label Propagation with Belonging Coefficient and Edge Probability. **2016**, 54-72		3
1574	The Black Mark beside My Name Server: Exploring the Importance of Name Server IP Addresses in Malware DNS Graphs. **2016**,		1
1573	Detecting Communities under Differential Privacy. **2016**,		9

1572	An Improved Community Detection Method in Bipartite Networks. **2016**, 259-268	
1571	An efficient and fast influence maximization algorithm based on community detection. **2016**,	2
1570	Complex Network Partitioning Using Label Propagation. **2016**, 38, S620-S645	14
1569	A Community Detection Algorithm Considering Edge Betweenness and Vertex Similarity. **2016**, 243-251	
1568	A Novel Method of Influence Ranking via Node Degree and H-index for Community Detection. **2016**, 149-160	1
1567	Networks of plants: how to measure similarity in vegetable species. **2016**, 6, 27077	5
1566	Toward early and order-of-magnitude cascade prediction in social networks. **2016**, 6, 1	0
1565	Automatic suggestion of presentation image for storytelling. **2016**,	1
1564	A Link-Density-Based Algorithm for Finding Communities in Social Networks. **2016**, 76-85	4
1563	Discovering communities in complex networks by edge label propagation. **2016**, 6, 22470	30
1562	Optimization and evaluation of a random walks-based community detection algorithm. **2016**,	2
1561	A Link Strength Based Label Propagation Algorithm for Community Detection. **2016**,	3
1560	An Improved Community Detection Algorithm Based on the Distance Dynamics. **2016**,	4
1559	A fast community detection algorithm. **2016**,	
1558	Maximal Neighbor Similarity Reveals Real Communities in Networks. **2015**, 5, 18374	17
1557	Group Formation with Incomplete Profiles. **2016**,	1
1556	Compressing Graphs and Indexes with Recursive Graph Bisection. **2016**,	35
1555	Automatic Threshold Calculation Based Label Propagation Algorithm for Overlapping Community. **2016**,	1

| 1554 | A multi-label community discovery algorithm based on the community kernel. **2016**, | |

| 1553 | User opinion classification in social media: A global consistency maximization approach. **2016**, 53, 987-996 | 13 |

| 1552 | Searching overlapping communities for group query. **2016**, 19, 1179-1202 | 7 |

| 1551 | A social community detection algorithm based on parallel grey label propagation. **2016**, 107, 133-143 | 27 |

| 1550 | A community detection technique for research collaboration networks based on frequent collaborators cores. **2016**, | 3 |

| 1549 | Identification of influential nodes in social networks with community structure based on label propagation. **2016**, 210, 34-44 | 61 |

| 1548 | Uncovering fuzzy communities in networks with structural similarity. **2016**, 210, 26-33 | 10 |

| 1547 | CHIMERA: Top-down model for hierarchical, overlapping and directed cluster structures in directed and weighted complex networks. **2016**, 461, 384-408 | 6 |

| 1546 | An improved label propagation algorithm based on the similarity matrix using random walk. **2016**, 30, 1650093 | 8 |

| 1545 | . **2016**, 27, 171-184 | 77 |

| 1544 | Social Network Analysis in Streaming Call Graphs. **2016**, 239-261 | 7 |

| 1543 | An improved density peaks-based clustering method for social circle discovery in social networks. **2016**, 179, 219-227 | 50 |

| 1542 | The adaptive dynamic community detection algorithm based on the non-homogeneous random walking. **2016**, 450, 241-252 | 18 |

| 1541 | A weighted local view method based on observation over ground truth for community detection. **2016**, 355-356, 37-57 | 12 |

| 1540 | SIMPLE: a simplifying-ensembling framework for parallel community detection from large networks. **2016**, 19, 211-221 | 7 |

| 1539 | Inference and Analysis of Population Structure Using Genetic Data and Network Theory. **2016**, 202, 1299-312 | 30 |

| 1538 | Applying the Clique Percolation Method to analyzing cross-market branch banking network structure: the case of Illinois. **2016**, 6, 1 | 3 |

| 1537 | Fast community detection based on sector edge aggregation metric model in hyperbolic space. **2016**, 452, 178-191 | 6 |

1518	Overlapping community detection in complex networks using multi-objective evolutionary algorithm. **2017**, 36, 749-768	15
1517	Modeling, analysis, and experimental comparison of streaming graph-partitioning policies. **2017**, 108, 106-121	13
1516	Reducing Greenhouse Gas Emissions With Power Source-Aware Multidomain Multilayer Networks. **2017**, 11, 673-683	4
1515	MTP: discovering high quality partitions in real world graphs. **2017**, 20, 491-514	4
1514	Characterizing the structure of large real networks to improve community detection. **2017**, 28, 2321-2333	5
1513	LinkLPA: A Link-Based Label Propagation Algorithm for Overlapping Community Detection in Networks. **2017**, 33, 308-331	21
1512	ACO-based clustering for Ego Network analysis. **2017**, 66, 160-170	35
1511	The multipolar regionalization of cities in multinational firms' networks. **2017**, 17, 171-194	19
1510	A Community Structure-Based Approach for Network Immunization. **2017**, 33, 77-98	6
1509	Probase+: Inferring Missing Links in Conceptual Taxonomies. **2017**, 29, 1281-1295	8
1508	Feature network-driven quadrant mapping for summarizing customer reviews. **2017**, 26, 646-664	2
1507	RGCLI: Robust Graph that Considers Labeled Instances for Semi-Supervised Learning. **2017**, 226, 238-248	7
1506	A community integration strategy based on an improved modularity density increment for large-scale networks. **2017**, 469, 471-485	28
1505	Network closure and integration in the mid-20th century American mafia. **2017**, 51, 148-157	23
1504	Evolutionary algorithm and modularity for detecting communities in networks. **2017**, 473, 89-96	24
1503	Stepping community detection algorithm based on label propagation and similarity. **2017**, 472, 145-155	31
1502	Fast graph clustering with a new description model for community detection. **2017**, 388-389, 37-47	40
1501	GA-LP: A genetic algorithm based on Label Propagation to detect communities in directed networks. **2017**, 74, 127-138	15

1482	A seed-expanding method based on random walks for community detection in networks with ambiguous community structures. **2017**, 7, 41830	20
1481	A Physarum-Inspired Ant Colony Optimization for Community Mining. **2017**, 737-749	2
1480	A Centrality-Based Local-First Approach for Analyzing Overlapping Communities in Dynamic Networks. **2017**, 508-520	2
1479	Mining Cohesive Clusters with Interpretations in Labeled Graphs. **2017**, 774-785	2
1478	Overlapping community detection in weighted networks via a Bayesian approach. **2017**, 468, 790-801	10
1477	Community detection based on significance optimization in complex networks. **2017**, 2017, 053213	7
1476	Detection of Terrorism-related Twitter Communities using Centrality Scores. **2017**,	12
1475	All-in-One. **2017**,	15
1474	Topology of Complex Networks and Performance Limitations of Community Detection Algorithms. **2017**, 5, 10901-10914	11
1473	An improved label propagation algorithm based on node importance and random walk for community detection. **2017**, 31, 1750162	7
1472	Measuring the Radicalisation Risk in Social Networks. **2017**, 5, 10892-10900	31
1471	A scalable method for link prediction in large real world networks. **2017**, 109, 89-101	17
1470	Transient Community Detection and Its Application to Data Forwarding in Delay Tolerant Networks. **2017**, 25, 2829-2843	28
1469	Community detection in attributed networks based on heterogeneous vertex interactions. **2017**, 47, 1270-1281	5
1468	A LexDFS-Based Approach on Finding Compact Communities. **2017**, 141-177	2
1467	Detecting communities in social networks using label propagation with information entropy. **2017**, 471, 788-798	19
1466	A deep dive into location-based communities in social discovery networks. **2017**, 100, 78-90	11
1465	Vertex-centred Method to Detect Communities in Evolving Networks. **2017**, 275-286	2

1446	Individual Movement Strategies Revealed through Novel Clustering of Emergent Movement Patterns. **2017**, 7, 44052		14
1445	Cooperative Game Theory Approaches for Network Partitioning. **2017**, 591-602		7
1444	Finding overlapping communities based on information fusion in social network. **2017**,		
1443	Community Outlier Based Fraudster Detection. **2017**, 410-421		
1442	Community Detection Using Nature Inspired Algorithm. **2017**, 47-76		3
1441	A scalable community detection algorithm for large graphs using stochastic block models. **2017**, 21, 1463-1485		3
1440	Functional diversity of topological modules in human protein-protein interaction networks. **2017**, 7, 16199		11
1439	Finding multiple core-periphery pairs in networks. *Physical Review E*, **2017**, 96, 052313	2.4	25
1438	Scalable and Parallel Processing of Influence Maximization for Large-Scale Social Networks. **2017**,		
1437	Machine learning meets complex networks via coalescent embedding in the hyperbolic space. **2017**, 8, 1615		75
1436	MCDA. **2017**,		1
1435	Community detection methods can discover better structural clusters than ground-truth communities. **2017**,		3
1434	Worst-case test network optimization for community detection method. **2017**,		1
1433	A Memetic Algorithm for Community Detection in Bipartite Networks. **2017**, 89-99		
1432	Hierarchical benchmark graphs for testing community detection algorithms. *Physical Review E*, **2017**, 96, 052311	2.4	8
1431	A new community detection algorithm based on adding and deleting links. **2017**,		
1430	Community detection using network structure. **2017**,		
1429	Overlapping Community Detection Based on Structural Centrality in Complex Networks. **2017**, 5, 25258-25269		28

1392   An overlapping community detection algorithm based on Lévy flight. **2017**,

1391   Community detection in complex networks using flow simulation. **2017**,

1390   Identification of regulatory modules in genome scale transcription regulatory networks. **2017**, 11, 140   8

1389   Bidirectional Label Propagation for Community Detection. **2017**,   0

1388   Comparison of group discovery methods on datasets with ground-truth. **2017**,

1387   . **2017**,

1386   A comparative study of community detection algorithms using graphs and R. **2017**,   1

1385   Coalition Generation Scalability through Community Detection: Results on Real Graphs. **2017**,   0

1384   A survey of overlapping community detection based on multi-label propagation. **2017**,   2

1383   CCLPA: A clustering coefficient based label propagation algorithm for unfolding communities in complex networks. **2017**,   1

1382   Community detection: Comparison of state of the art algorithms. **2017**,   8

1381   INGC: Graph Clustering & Outlier Detection Algorithm Using Label Propagation. **2017**,   4

1380   A community detection algorithm by utilizing grey wolf optimization. **2017**,   0

1379   Internet Traffic Analysis Using Community Detection and Apache Spark. **2017**,   1

1378   Evaluating community detection methods in a controlled experiment. **2017**,

1377   Community detection on anti-vaping campaign audience. **2017**,   0

1376   ClusTop: A clustering-based topic modelling algorithm for twitter using word networks. **2017**,   8

1375   GPU-Accelerated Graph Clustering via Parallel Label Propagation. **2017**,   6

1374	A vertex similarity index using community information to improve link prediction accuracy. **2017**,	5
1373	Efficient Vector Influence Clustering Coefficient Based Directed Community Detection Method. **2017**, 5, 17106-17116	13
1372	Community Detection and Location Recommendation Based on LBSN. **2017**,	1
1371	Nature inspired algorithms for solving the community detection problem. **2017**, 25, 902-914	1
1370	Complementary base station clustering for cost-effective and energy-efficient cloud-RAN. **2017**,	7
1369	Clustering Categorical Data Using Community Detection Techniques. **2017**, 2017, 8986360	6
1368	Heuristic Artificial Bee Colony Algorithm for Uncovering Community in Complex Networks. **2017**, 2017, 1-12	7
1367	Disease-related gene module detection based on a multi-label propagation clustering algorithm. **2017**, 12, e0178006	6
1366	A community detection algorithm using network topologies and rule-based hierarchical arc-merging strategies. **2017**, 12, e0187603	6
1365	Scalable Mining and Analysis of Protein-Protein Interaction Networks. **2017**,	3
1364	Differentially Private Big Data Publication via Structural Inference and Community Detection. **2017**,	2
1363	Hybrid influential centrality based label propagation algorithm for community detection. **2017**,	1
1362	Tracking millions of query intents with StarrySky and its applications. **2017**, 15, 233-250	
1361	Community detection with spiking neural networks for neuromorphic hardware. **2017**,	7
1360	Local Edge Betweenness Based Label Propagation for Community Detection in Complex Networks. **2017**,	1
1359	Uncovering Spatial Structures of Regional City Networks from Expressway Traffic Flow Data: A Case Study from Jiangsu Province, China. **2017**, 9, 1541	14
1358	PSPLPA: Probability and similarity based parallel label propagation algorithm on spark. **2018**, 503, 366-378	8
1357	WITHDRAWN: Leader-aware community detection in social networks. **2018**,	

1356	Community-based replica management in distributed systems. **2018**, 14, 41-61	
1355	Constructing and evaluating a continent-wide migratory songbird network across the annual cycle. **2018**, 88, 445-460	35
1354	Android Malware Familial Classification and Representative Sample Selection via Frequent Subgraph Analysis. **2018**, 13, 1890-1905	99
1353	Community detection in networks: A multidisciplinary review. **2018**, 108, 87-111	138
1352	Social Network Community Detection and Hybrid Optimization for Dividing Water Supply into District Metered Areas. **2018**, 144, 04018020	19
1351	Understanding spatial structures and organizational patterns of city networks in China: A highway passenger flow perspective. **2018**, 28, 477-494	15
1350	SocksCatch: Automatic detection and grouping of sockpuppets in social media. **2018**, 149, 124-142	9
1349	Abstraction of meso-scale network architecture in granular ensembles using Big data analytics tools. **2018**, 2, 031004	3
1348	Using Node Identifiers and Community Prior for Graph-Based Classification. **2018**, 3, 68-83	10
1347	A novel method for overlapping community detection using Multi-objective optimization. **2018**, 505, 825-835	8
1346	A cascade information diffusion based label propagation algorithm for community detection in dynamic social networks. **2018**, 25, 122-133	17
1345	Social Flocks: Simulating Crowds to Discover the Connection Between Spatial-Temporal Movements of People and Social Structure. **2018**, 5, 33-45	10
1344	Scholar Recommendation Model in Large Scale Academic Social Networking Platform. **2018**, 453-464	
1343	Measuring the vulnerability of community structure in complex networks. **2018**, 174, 41-52	17
1342	Index-Based Densest Clique Percolation Community Search in Networks. **2018**, 30, 922-935	53
1341	C ommunity D iff. **2018**, 12, 1-34	3
1340	Community detection using preference networks. **2018**, 495, 126-136	15
1339	A new hierarchical method to find community structure in networks. **2018**, 495, 418-426	3

1338	Vertex Deduplication Based on String Similarity and Community Membership. **2018**, 178-189	
1337	Estimating Graph Robustness Through the Randic Index. **2018**, 48, 3232-3242	15
1336	Ego Based Community Detection in Online Social Network. **2018**, 205-210	1
1335	Nonnegative matrix factorization with mixed hypergraph regularization for community detection. **2018**, 435, 263-281	64
1334	Local Spectral Clustering for Overlapping Community Detection. **2018**, 12, 1-27	37
1333	A novel parallel community detection scheme based on label propagation. **2018**, 21, 1377-1398	5
1332	A spreading activation-based label propagation algorithm for overlapping community detection in dynamic social networks. **2018**, 113, 155-170	12
1331	Intratumoral Spatial Heterogeneity at Perfusion MR Imaging Predicts Recurrence-free Survival in Locally Advanced Breast Cancer Treated with Neoadjuvant Chemotherapy. **2018**, 288, 26-35	63
1330	Keeping up with the Silver King: Using cooperative acoustic telemetry networks to quantify the movements of Atlantic tarpon (Megalops atlanticus) in the coastal waters of the southeastern United States. **2018**, 205, 65-76	24
1329	An interest-driven peer-to-peer micro-blogging system over delay tolerant networks. **2018**,	
1328	Tibetan Weibo User Group Division Based on User Behaviors for Analyzing Health Problems. **2018**, 6, 19441-19450	4
1327	Detecting phenotype-driven transitions in regulatory network structure. **2018**, 4, 16	18
1326	CILPA: a cohesion index based label propagation algorithm for unveiling communities in complex social networks. **2018**, 10, 435-445	1
1325	A comparative study of the measures for evaluating community structure in bipartite networks. **2018**, 448-449, 249-262	9
1324	Efficient Community-Based Data Distribution Over Multicast Trees. **2018**, 5, 229-243	4
1323	Community Deception or: How to Stop Fearing Community Detection Algorithms. **2018**, 30, 660-673	20
1322	Community detection by propagating the label of center. **2018**, 503, 675-686	15
1321	Seeking powerful information initial spreaders in online social networks: a dense group perspective. **2018**, 24, 2973-2991	3

1320	A Meeting of the Minds: Exploring the Core–Periphery Structure and Retrieval Paths of Destination Image Using Social Network Analysis. **2018**, 57, 612-626	23
1319	Uncovering the effect of dominant attributes on community topology: A case of facebook networks. **2018**, 20, 1041-1052	3
1318	Multi-objective evolutionary algorithm using problem-specific genetic operators for community detection in networks. **2018**, 30, 2907-2920	12
1317	Drawing Large Graphs by Multilevel Maxent-Stress Optimization. **2018**, 24, 1814-1827	8
1316	Evaluation of Structural and Temporal Properties of Ego Networks for Data Availability in DOSNs. **2018**, 23, 155-166	11
1315	Clustering based on words distances. **2018**, 21, 945-953	1
1314	Estimating the effects of network covariates on subgroup insularity with a hierarchical mixed membership stochastic blockmodel. **2018**, 52, 100-114	3
1313	A fast heuristic detection algorithm for visualizing structure of large community. **2018**, 25, 280-288	2
1312	Complex Networks and Hydrologic Applications. **2018**, 565-586	2
1311	SELP: Semi-supervised evidential label propagation algorithm for graph data clustering. **2018**, 92, 139-154	27
1310	A new cellular learning automata-based algorithm for community detection in complex social networks. **2018**, 24, 413-426	24
1309	GLEAM: a graph clustering framework based on potential game optimization for large-scale social networks. **2018**, 55, 741-770	43
1308	High-Level Programming Abstractions for Distributed Graph Processing. **2018**, 30, 305-324	21
1307	Adaptive modularity maximization via edge weighting scheme. **2018**, 424, 55-68	20
1306	Graph Community Detection: Normalized Compression Distance Based Implementation for Text Data. **2018**, 38-46	
1305	An overlapping network community partition algorithm based on semi-supervised matrix factorization and random walk. **2018**, 91, 277-285	18
1304	Community extraction and visualization in social networks applied to Twitter. **2018**, 424, 204-223	23
1303	Using functional dependency and node closure to detect communities from the sparse network. **2018**, 32, 1850018	

1302	Overlapping community detection based on link graph using distance dynamics. **2018**, 32, 1850015	7
1301	A community detection method based on local similarity and degree clustering information. **2018**, 490, 1344-1354	23
1300	A novel community detection method in bipartite networks. **2018**, 492, 1679-1693	27
1299	Weighted compactness function based label propagation algorithm for community detection. **2018**, 492, 767-780	9
1298	LP-LPA: A link influence-based label propagation algorithm for discovering community structures in networks. **2018**, 32, 1850062	34
1297	A novel community detection algorithm based on simplification of complex networks. **2018**, 143, 58-64	15
1296	A new scalable leader-community detection approach for community detection in social networks. **2018**, 54, 41-49	40
1295	Parallel Community Detection Methods for Sparse Complex Networks. **2018**, 290-301	1
1294	Efficient detection of communities with significant overlaps in networks: Partial community merger algorithm. **2018**, 6, 71-96	1
1293	Microblog sentiment analysis with weak dependency connections. **2018**, 142, 170-180	24
1292	Fast detection of the fuzzy communities based on leader-driven algorithm. **2018**, 32, 1850058	2
1291	Detecting Clusters/Communities in Social Networks. **2018**, 53, 57-73	13
1290	CC-GA: A clustering coefficient based genetic algorithm for detecting communities in social networks. **2018**, 63, 59-70	73
1289	A generalized game theoretic framework for mining communities in complex networks. **2018**, 96, 450-461	7
1288	Factors influencing the formation of intra-institutional formal research groups: group prediction from collaboration, organisational, and topical networks. **2018**, 114, 181-216	5
1287	A framework for detecting communities of unbalanced sizes in networks. **2018**, 490, 24-37	6
1286	Site-Effect-Based Semi-Synchronous Label Propagation Algorithm for Community Detection. **2018**,	1
1285	NBCD:Neighborhood Based Community Detection in Dynamic Social Networks. **2018**,	1

1284	. **2018**,	3
1283	Study on Community Discovery Algorithm from the Perspective of Label Influence Propagation. **2018**,	
1282	Network partitioning algorithms as cooperative games. **2018**, 5, 11	6
1281	A Novel, Interdisciplinary, Approach for Community Detection Based on Remote File Requests. **2018**, 6, 68415-68428	5
1280	A Modified Distance Dynamics Model for Improvement of Community Detection. **2018**, 6, 63934-63947	4
1279	PASLPA - Overlapping Community Detection in Massive Real Networks Using Apache Spark. **2018**,	
1278	Community detection via closure extension. **2018**, 29, 1850119	
1277	Elasticity in Graph Analytics? A Benchmarking Framework for Elastic Graph Processing. **2018**,	2
1276	Community Detection for Decoy Selection in Template-free Protein Structure Prediction. **2018**,	1
1275	Coarsening Networks Based on Local Link Similarity for Community Detection. **2018**,	0
1274	LCM: A Latent Communities Model based Community Detection Algorithm. **2018**,	
1273	A Community Detection Algorithm on Graph Data. **2018**,	
1272	Variational Approach for Learning Community Structures. **2018**, 2018, 1-13	3
1271	Diffusion of User Tracking Data in the Online Advertising Ecosystem. **2018**, 2018, 85-103	20
1270	An Empirical Study on Sentiments in Twitter Communities. **2018**,	1
1269	. **2018**,	2
1268	A Community Based Web Summarization in Near Linear Time. **2018**,	3
1267	Incremental Community Detection in Social Networks Using Label Propagation Method. **2018**,	5

| 1266 | On the use of data mining methods for money laundering detection based on financial transactions information. **2018**, | 1 |

| 1265 | . **2018**, 6, 73965-73983 | 3 |

| 1264 | GOLAP: Graph-Based Online Analytical Processing. **2018**, 12, 595-608 | 3 |

| 1263 | Research Review on Algorithms of Community Detection in Complex Networks. **2018**, 1069, 012124 | 3 |

| 1262 | Overlapping community detection based on contribution value improved SLPA. **2018**, | 1 |

| 1261 | Who is really in my social circle?. **2018**, 9, | 3 |

| 1260 | Development of Parallel Restoration Strategy for Chongqing Power System in China. **2018**, | |

| 1259 | DoOC: A Platform for Domain-Oriented Online Community System Construction. **2018**, | |

| 1258 | Tracking the Evolution of Community in IP Networks. **2018**, | |

| 1257 | Multiple Voting Label Propagation Algorithm for Overlapping Communities Detection. **2018**, | 1 |

| 1256 | Evolving Networks and Social Network Analysis Methods and Techniques. **2018**, | 11 |

| 1255 | Manifold-based incremental community detection method for online speaker identification. **2018**, | |

| 1254 | A Group Construction Algorithm Based on Density and Closeness Clustering in Mobile Communication Networks. **2018**, | |

| 1253 | Protein Network Analysis by the Interaction Force between Protein Molecules. **2018**, | 1 |

| 1252 | Vertex-Cut Partitioning Performance Analysis for FASTCD Algorithm in Large-Scale Graph. **2018**, | |

| 1251 | Constructing and Evaluating Options in Reinforcement Learning. **2018**, | |

| 1250 | A Novel Community Detection Algorithm Based on the Node Correlation Strength in Complex Networks. **2018**, | |

| 1249 | Model to Generate Benchmark Graphs Based on Evolution Dynamics. **2018**, | 1 |

1248	Detecting Local Communities in Networks with Edge Uncertainty. **2018**,	1
1247	NGA-LP: A Robust and Improved Genetic Algorithm to Detect Communities in Directed Networks. **2018**,	
1246	A Network Pharmacology Approach to Uncover the Molecular Mechanisms of Herbal Formula Ban-Xia-Xie-Xin-Tang. **2018**, 2018, 4050714	19
1245	Communities' Detection in Social Networks: State of the art and perspectives. **2018**,	4
1244	Size Matters: A Comparative Analysis of Community Detection Algorithms. **2018**, 5, 951-960	20
1243	Sparse Hardware Embedding of Spiking Neuron Systems for Community Detection. **2018**, 14, 1-13	2
1242	Analyzing the Digital Traces of Political Manipulation: The 2016 Russian Interference Twitter Campaign. **2018**,	108
1241	Encyclopedia of Big Data Technologies. **2018**, 1-7	3
1240	Parallelizing Louvain Algorithm: Distributed Memory Challenges. **2018**,	10
1239	. **2018**,	0
1238	Community Detection in Networks Based on Modified PageRank and Stochastic Block Model. **2018**, 6, 77133-77144	7
1237	Connectivity Based Method for Clustering Microbial Communities from Metagenomics Data of Water and Soil Samples. **2018**,	
1236	Overlapping Community Detection Based on Information Dynamics. **2018**, 6, 70919-70934	11
1235	Learning Community Structure with Variational Autoencoder. **2018**,	10
1234	Stance Classification through Proximity-based Community Detection. **2018**,	6
1233	Revolver: Vertex-Centric Graph Partitioning Using Reinforcement Learning. **2018**,	2
1232	Detecting Antagonistic and Allied Communities on Social Media. **2018**,	1
1231	The Taxonomy of Distributed Graph Analytics. **2018**,	

1230 . **2018**, 5, 1021-1033 48

1229 Detecting Communities in Networks Using Competitive Hopfield Neural Network. **2018**, 1

1228 A Degree-based Distributed Label Propagation Algorithm for Community Detection in Networks. **2018**, 2

1227 USI-AUC: An evaluation criterion of community detection based on a novel link-prediction method. **2018**, 22, 439-462 1

1226 Structure and consistency of self-reported social contact networks in British secondary schools. **2018**, 13, e0200090 6

1225 A label propagation approach based on local optimization. **2018**, 29, 1850047 2

1224 An improved label propagation algorithm based on node intimacy for community detection in networks. **2018**, 32, 1850279 10

1223 Customer Segmentation Using Multiple Instance Clustering and Purchasing Behaviors. **2018**, 193-200 1

1222 Academic Social Network Scholars Recommendation Model Based on Community Division. **2018**, 0

1221 Twitter User Geolocation Using Deep Multiview Learning. **2018**, 5

1220 Practical Minimum Cut Algorithms. **2018**, 23, 1-22 4

1219 Universality of the stochastic block model. *Physical Review E*, **2018**, 98, 2.4 14

1218 Proactive Caching at the Edge Leveraging Influential User Detection in Cellular D2D Networks. **2018**, 10, 93 12

1217 Energy Efficient Hybrid Routing Protocol Based on the Artificial Fish Swarm Algorithm and Ant Colony Optimisation for WSNs. **2018**, 18, 12

1216 Core-periphery structure requires something else in the network. **2018**, 20, 043012 27

1215 wTO: an R package for computing weighted topological overlap and a consensus network with integrated visualization tool. **2018**, 19, 392 22

1214 A new algorithm for communities detection in social networks with node attributes. **2018**, 1 6

1213 Global vs local modularity for network community detection. **2018**, 13, e0205284 10

52

1212   Metanetwork Transmission Model for Predicting a Malaria-Control Strategy. **2018**, 9, 446

1211   Resource and Virtual Function Status Monitoring in Network Function Virtualization Environment. **2018**, 1087, 052037

1210   Lossy Graph Data Reduction. **2018**, 12, 425-456   3

1209   FeatNet. **2018**,   2

1208   AN NMF-Based Community Detection Method Regularized with Local and Global Information. **2018**,   2

1207   A Central Edge Selection Based Overlapping Community Detection Algorithm for the Detection of Overlapping Structures in Protein?Protein Interaction Networks. **2018**, 23,   12

1206   Mind the Gap: Mapping Mass Spectral Databases in Genome-Scale Metabolic Networks Reveals Poorly Covered Areas. **2018**, 8,   38

1205   New approaches to pharmacosurveillance for monitoring prescription frequency, diversity, and co-prescription in a large sentinel network of companion animal veterinary practices in the United Kingdom, 2014-2016. **2018**, 159, 153-161   19

1204   Community detection based on preferred mode in bipartite networks. **2018**, 32, 1850330   1

1203   Exploring the Hierarchical Structure of China Railway Network from 2008 to 2017. **2018**, 10, 3173   7

1202   A Genetic Algorithm with Local Search Based on Label Propagation for Detecting Dynamic Communities. **2018**, 319-328   1

1201   Semi-Supervised Soft Label Propagation Based on Mass Function for Community Detection. **2018**,   2

1200   NPCCPM: An Improved Approach Towards Community Detection in Online Social Networks. **2018**, 14-22

1199   Network size, structure, and pathogen transmission: a simulation study comparing different community detection algorithms. **2018**, 155, 639-670   9

1198   No Silk Road for Online Gamers!. **2018**,   9

1197   Experimental Design of Work Chunking for Graph Algorithms on High Bandwidth Memory Architectures. **2018**,   3

1196   . **2018**,   6

1195   Gelly-scheduling. **2018**,   6

1194   Constructing Temporally Extended Actions through Incremental Community Detection. **2018**, 2018, 2085721   0

1193   Polarization of the vaccination debate on Facebook. **2018**, 36, 3606-3612   142

1192   Semi-Supervised Community Detection Based on Distance Dynamics. **2018**, 6, 37261-37271   15

1191   Investigating Similarity of Nodes' Attributes in Topological Based Communities.. **2018**,   3

1190   Influence Propagation Model for Clique-Based Community Detection in Social Networks. **2018**, 5, 563-575   25

1189   Quantum inspired evolutionary algorithm for community detection in complex networks. **2018**, 382, 2305-2312   16

1188   Overlapping Community Detection by Node-Weighting. **2018**,

1187   Overlapping Community Detection Through Threshold Analysis on Disjoint Network Structures. **2018**, 395-403   1

1186   An Autonomous Divisive Algorithm for Community Detection Based on Weak Link and Link-Break Strategy. **2018**, 2018, 1-12   3

1185   Mining the Relationship between Spatial Mobility Patterns and POIs. **2018**, 2018, 1-10

1184   Iterated Greedy algorithm for performing community detection in social networks. **2018**, 88, 785-791   27

1183   Validation of Twitter opinion trends with national polling aggregates: Hillary Clinton vs Donald Trump. **2018**, 8, 8673   43

1182   Community discovery of complex network based on fuzzy density peak clustering algorithm. **2018**,   1

1181   A Multi-Objective Genetic Algorithm for overlapping community detection based on edge encoding. **2018**, 462, 290-314   30

1180   Community detection based on unified Bayesian nonnegative matrix factorization. **2018**,   2

1179   An overlapping community detection algorithm in complex networks based on information theory. **2018**, 117, 183-194   7

1178   polyClustR: defining communities of reconciled cancer subtypes with biological and prognostic significance. **2018**, 19, 182

1177   Multilayer Network-Based Production Flow Analysis. **2018**, 2018, 1-15   3

1176 Sponge Walker: Community Detection in Large Directed Social Networks Using Local Structures and Random Walks. **2018**, 143-152

1175 LSH-Based Graph Partitioning Algorithm. **2018**, 55-68

1174 Virtual Community Detection Model and Related Research in Online Social Networks. **2018**,   1

1173 PFCA: An influence-based parallel fuzzy clustering algorithm for large complex networks. **2018**, 35, e12295   1

1172 Adaptive biased random-key genetic algorithm with local search for the capacitated centered clustering problem. **2018**, 124, 331-346   15

1171 Deep mobile traffic forecast and complementary base station clustering for C-RAN optimization. **2018**, 121, 59-69   31

1170 Network-Based Ranking for Open Source Software Developer Prediction. **2018**, 28, 845-868   1

1169 Coupled Node Similarity Learning for Community Detection in Attributed Networks. **2018**, 20,   12

1168 Community detection by laser network dynamics. **2018**, 2, 015005   1

1167 A seed-edge-based link clustering LPA for robust overlapping community detection. **2018**,   0

1166 Constructing null networks for community detection in complex networks. **2018**, 91, 1   6

1165 A comparative study on community detection methods in complex networks. **2018**, 35, 1077-1086   23

1164 Comparing Community Detection Algorithms in Transport Networks via Points of Interest. **2018**, 6, 29729-29738   32

1163 Efficient and effective influence maximization in social networks: A hybrid-approach. **2018**, 465, 144-161   25

1162 Leveraging the nonuniform PSO network model as a benchmark for performance evaluation in community detection and link prediction. **2018**, 20, 063022   15

1161 Identifying influence for community in complex networks. **2018**,   2

1160 Different Anti-Vaping Campaigns Attracting the Same Opponent Community. **2018**, 17, 409-416   0

1159 Influence maximization in large social networks: Heuristics, models and parameters. **2018**, 89, 777-790   19

1158	Exploring temporal community structure and constant evolutionary pattern hiding in dynamic networks. **2018**, 314, 224-233	9
1157	Self-adaptive Louvain algorithm: Fast and stable community detection algorithm based on the principle of small probability event. **2018**, 506, 975-986	18
1156	Detecting semantic-based communities in node-attributed graphs. **2018**, 34, 1199-1222	3
1155	Parallel Community Detection Based on Distance Dynamics for Large-Scale Network. **2018**, 6, 42775-42789	13
1154	ClueNet: Clustering a temporal network based on topological similarity rather than denseness. **2018**, 13, e0195993	8
1153	Commercial Astroturfing Detection in Social Networks. **2018**, 309-318	0
1152	Overlapping community detection algorithm based on Markov chain clustering. **2018**,	1
1151	Sentiment Analysis for Microblog Related to Finance Based on Rules and Classification. **2018**,	1
1150	Detecting Pathogenic Social Media Accounts without Content or Network Structure. **2018**,	8
1149	Extending CDFR for Overlapping Community Detection. **2018**,	3
1148	SONIC-MAN: A Distributed Protocol for Dynamic Community Detection and Management. **2018**, 93-109	1
1147	Label Propagation Algorithm Based on Adaptive H Index. **2018**, 53-64	1
1146	The independence of the centrality for community detection. **2018**, 29, 1850060	1
1145	OmicsNet: a web-based tool for creation and visual analysis of biological networks in 3D space. **2018**, 46, W514-W522	78
1144	Optimized Label Propagation Community Detection on Big Data Networks. **2018**,	3
1143	Voting Simulation based Agglomerative Hierarchical Method for Network Community Detection. **2018**, 8, 8064	3
1142	Importance of initial conditions in the polarization of complex networks. **2018**, 122, 38002	1
1141	Social community detection and message propagation scheme based on personal willingness in social network. **2019**, 23, 6267-6285	22

1140   Community Detection Using Node Attributes: A Non-negative Matrix Factorization Approach. **2019**, 275-285   1

1139   Multiresolution Network Models. **2019**, 28, 185-196   6

1138   Online Social Communities. **2019**, 289-341

1137   Fundamentals of Complex Network Analysis. **2019**, 17-56   1

1136   Network Models. **2019**, 968-977

1135   Fast detection of community structures using graph traversal in social networks. **2019**, 59, 1-31   9

1134   LPANNI: Overlapping Community Detection Using Label Propagation in Large-Scale Complex Networks. **2019**, 31, 1736-1749   42

1133   Towards the Dynamic Community Discovery in Decentralized Online Social Networks. **2019**, 17, 23-44   8

1132   Dynamic Cluster Formation Game for Attributed Graph Clustering. **2019**, 49, 328-341   73

1131   A time-series approach to measuring node similarity in networks and its application to community detection. **2019**, 383, 125870   4

1130   Application of community detection based on improved genetic algorithm in air pollutant propagation network. **2019**, 300, 032061

1129   Community structure in co-inventor networks affects time to first citation for patents. **2019**, 4,   1

1128   Guideline for comparing functional enrichment of biological network modular structures. **2019**, 4,   2

1127   Temporal Label Walk for Community Detection and Tracking in Temporal Network. **2019**, 9, 3199   2

1126   Fraudster Detection Based on Modularity Optimization Algorithm. **2019**,   0

1125   MESH: A Flexible Distributed Hypergraph Processing System. **2019**,   5

1124   Sequential Pattern Learning via Kernel Alignment. **2019**,   0

1123   Uncovering complex overlapping pattern of communities in large-scale social networks. **2019**, 4,   3

1122 A new genetic algorithm for community detection using matrix representation method. **2019**, 535, 122259   5

1121 Graph Embedding Based Familial Analysis of Android Malware using Unsupervised Learning. **2019**,   14

1120 Neighbor Similarity Based Agglomerative Method for Community Detection in Networks. **2019**, 2019, 1-16   7

1119 What You Don'l See Can Hurt You: Awareness Cues to Profile Indirect Competitors. **2019**, 62, 1872-1900   7

1118 From free text to clusters of content in health records: an unsupervised graph partitioning approach. **2019**, 4, 2   10

1117 $\mathcal{K}$ -Lowest-Influence Overlapping Nodes Based Community Detection in Complex Networks. **2019**, 7, 109646-109661   2

1116 Sleep EEG signal analysis based on correlation graph similarity coupled with an ensemble extreme machine learning algorithm. **2019**, 138, 112790   25

1115 Link communities detection: an embedding method on the line hypergraph. **2019**, 367, 46-54   3

1114 Community Detection on Networks with Ricci Flow. **2019**, 9, 9984   13

1113 Label propagation method based on bi-objective optimization for ambiguous community detection in large networks. **2019**, 9, 9999

1112 Phase transitions in normalized cut of social networks. **2019**, 383, 3037-3042   3

1111 Characterizing the 2016 Russian IRA influence campaign. **2019**, 9, 1   22

1110 Community Detection Using Restrained Random-Walk Similarity. **2021**, 43, 89-103   6

1109 Detecting communities from networks using an improved self-organizing map. **2019**, 30, 1950054   1

1108 Community detection with the Label Propagation Algorithm: A survey. **2019**, 534, 122058   31

1107 Weight assignment on edges towards improved community detection. **2019**,   0

1106 Community detection in civil society online networks: Theoretical guide and empirical assessment. **2019**, 59, 120-133   5

1105 CDLIB: a python library to extract, compare and evaluate communities from complex networks. **2019**, 4,   27

1104	An adaptive discrete particle swarm optimization for influence maximization based on network community structure. **2019**, 30, 1950050	5
1103	Performance optimization, modeling and analysis of sparse matrix-matrix products on multi-core and many-core processors. **2019**, 90, 102545	10
1102	Improving parallel efficiency for asynchronous graph analytics using Gauss-Seidel-based matrix computation. **2019**, 31, e5267	2
1101	STS-NLSP: A Network-Based Label Space Partition Method for Predicting the Specificity of Membrane Transporter Substrates Using a Hybrid Feature of Structural and Semantic Similarity. **2019**, 7, 306	8
1100	BI-CD: Community Detection in Bipartite Networks. **2019**, 159, 313-322	3
1099	A Non-Cooperative Game Model for Overlapping Community Detection in Social Networks. **2019**,	1
1098	A hybrid iterated carousel greedy algorithm for community detection in complex networks. **2019**, 536, 122124	6
1097	Advancing community detection using Keyword Attribute Search. **2019**, 6,	5
1096	SQL-G: Efficient Graph Analytics by SQL. **2019**, 1-1	
1095	Local memory boosts label propagation for community detection. **2019**, 4,	2
1094	Community Detection with Indirect Neighbors based on Granular Computing in Social Networks. **2019**,	
1093	Community Detection Based on Symbiotic Organisms Search and Neighborhood Information. **2019**, 6, 1257-1272	6
1092	A Critical Comparison of Pipelines for Structural Brain Network Analysis. **2019**, 2019, 150-153	
1091	Which Category Is Better: Benchmarking Relational and Graph Database Management Systems. **2019**, 4, 309-322	15
1090	Local Higher-Order Community Detection Based on Fuzzy Membership Functions. **2019**, 7, 128510-128525	6
1089	Identification of Bridging Centrality in Complex Networks. **2019**, 7, 93123-93130	5
1088	. **2019**, 1-1	6
1087	Research on Label Propagation Algorithms Based on Clustering Coefficient. **2019**,	1

1086	Embedding Big Data in Graph Convolutional Networks. **2019**,	
1085	Label propagation method based on constraint about triangles for community detection in complex networks. **2019**,	1
1084	Ensemble clustering for graphs: comparisons and applications. **2019**, 4,	6
1083	Towards business partnership recommendation using user opinion on Facebook. **2019**, 10,	1
1082	FluidC+: A novel community detection algorithm based on fluid propagation. **2019**, 30, 1950021	1
1081	ATC-NLSP: Prediction of the Classes of Anatomical Therapeutic Chemicals Using a Network-Based Label Space Partition Method. **2019**, 10, 971	13
1080	A Topology-aware Coding Framework for Distributed Graph Processing. **2019**,	2
1079	Application of Improved Clustering Algorithm in Commodity Diversity Recommendation. **2019**,	
1078	Weighted label propagation based on Local Edge Betweenness. **2019**, 75, 8094-8114	2
1077	Community Detection Based on Genetic Algorithm Using Local Structural Similarity. **2019**, 7, 134583-134600	13
1076	A new method for detecting communities and their centers using the Adamic/Adar Index and game theory. **2019**, 535, 122354	2
1075	Consensus Clustering of Tweet Networks via Semantic and Sentiment Similarity Estimation. **2019**, 7, 116207-116217	5
1074	A Novel Community Detection Algorithm Based on Local Similarity of Clustering Coefficient in Social Networks. **2019**, 7, 121586-121598	12
1073	Community Detection in Social Graph Using Nature-Inspired Based Artificial Bee Colony Algorithm with Crossover and Mutation. **2019**,	1
1072	A comprehensive literature review on community detection: Approaches and applications. **2019**, 151, 295-302	16
1071	An efficient graph clustering algorithm in signed graph based on modularity maximization. **2019**, 30, 1950095	1
1070	Detecting an Overlapping Community Structure by Using Clique-to-Clique Similarity based Label Propagation. **2019**, 75, 436-442	1
1069	Detecting communities from networks based on their intrinsic properties. **2019**, 30, 1950104	2

1068	. **2019**, 6, 9226-9236	20
1067	. **2019**, 21, 652-663	30
1066	Social Community Detection. **2019**, 151-168	3
1065	A Community Detection Algorithm Based on Markov Random Walks Ants in Complex Network. **2019**, 24, 71-77	1
1064	A Community Merger of Optimization Algorithm to Extract Overlapping Communities in Networks. **2019**, 7, 3994-4005	7
1063	Fake news on Twitter during the 2016 U.S. presidential election. **2019**, 363, 374-378	460
1062	Cluster-preserving sampling from fully-dynamic streaming graphs. **2019**, 482, 279-300	2
1061	NMLPA: Uncovering Overlapping Communities in Attributed Networks via a Multi-Label Propagation Approach. **2019**, 19,	12
1060	A divide and agglomerate algorithm for community detection in social networks. **2019**, 482, 321-333	25
1059	Communities detection in social network based on local edge centrality. **2019**, 531, 121552	19
1058	Growth curve based label propagation algorithm for community detection. **2019**, 383, 2481-2487	
1057	Linguistically guided community discovery. **2019**, 6, 205395171984663	0
1056	Next Generation Networks: Featuring the Potential Role of Emerging Applications in Translational Oncology. **2019**, 8,	4
1055	Community detection based on information dynamics. **2019**, 359, 341-352	12
1054	Community detection based on human social behavior. **2019**, 531, 121765	9
1053	Establishing a Framework of Using Residue-Residue Interactions in Protein Difference Network Analysis. **2019**, 59, 3222-3228	12
1052	An Effective Method for Complex Network Community Detection Based on Hierarchical Splitting. **2019**,	1
1051	Community detection and influential node identification in complex networks using mathematical programming. **2019**, 135, 296-312	18

| 1050 | Reconstruction and inference of the Lactococcus lactis MG1363 gene co-expression network. **2019**, 14, e0214868 | 3 |

| 1049 | Multilayer overlapping community detection using multi-objective optimization. **2019**, 101, 221-235 | 8 |

| 1048 | Overlapping Communities in Co-purchasing and Social Interaction Graphs: A Memetic Approach. **2019**, 435-466 | 1 |

| 1047 | Automatic construction and evaluation of macro-actions in reinforcement learning. **2019**, 82, 105574 | 3 |

| 1046 | ACE: Ant Colony Based Multi-Level Network Embedding for Hierarchical Graph Representation Learning. **2019**, 7, 73970-73982 | 4 |

| 1045 | Improvement of Routing in Opportunistic Communication Networks of Vehicles by Unsupervised Machine Learning. **2019**, 412-423 | |

| 1044 | Thick Data: A New Qualitative Analytics for Identifying Customer Insights. **2019**, 21, 4-13 | 11 |

| 1043 | Distributed Parallel Structural Hole Detection on Big Graphs. **2019**, 519-535 | 1 |

| 1042 | DPSCAN: Structural Graph Clustering Based on Density Peaks. **2019**, 626-641 | 0 |

| 1041 | A novel node gravitation-based label propagation algorithm for community detection. **2019**, 30, 1950049 | 7 |

| 1040 | Statistics of the efficiency in community detection by most similar node pairs. **2019**, 30, 1950031 | |

| 1039 | New magnetic algorithm to detect community structure based on the magnets approach. **2019**, 33, 1950166 | 3 |

| 1038 | Seeking community structure in networks via biogeography-based optimization with consensus dynamics. **2019**, 527, 121188 | 3 |

| 1037 | A similarity based generalized modularity measure towards effective community discovery in complex networks. **2019**, 527, 121338 | 4 |

| 1036 | A Parallel Algorithm for Community Detection in Social Networks, Based on Path Ana vs is and Threaded Binary Trees. **2019**, 7, 20499-20519 | 12 |

| 1035 | GA-Based Q-Attack on Community Detection. **2019**, 6, 491-503 | 31 |

| 1034 | Research on Interaction Tracking between Community Discovery and theme Evolution Based on DBLP Scientific Research Cooperation Network. **2019**, | |

| 1033 | Community detector on symptom networks with applications to fatty liver disease. **2019**, 527, 121328 | 1 |

1032	Community detection in large-scale social networks: state-of-the-art and future directions. **2019**, 9, 1	29
1031	High-performance community detection in social networks using a deep transitive autoencoder. **2019**, 493, 75-90	19
1030	To Embed or Not: Network Embedding as a Paradigm in Computational Biology. **2019**, 10, 381	59
1029	Community Detection via Neighborhood Overlap and Spanning Tree Computations. **2019**, 13-24	0
1028	Overlapping Community Detection Algorithm Based on Coarsening and Local Overlapping Modularity. **2019**, 7, 57943-57955	13
1027	Community detection in facebook activity networks and presenting a new multilayer label propagation algorithm for community detection. **2019**, 33, 1950089	6
1026	On Detecting Multidimensional Communities. **2019**, 45-78	2
1025	Complex network community detection method by improved density peaks model. **2019**, 526, 121070	12
1024	Public transport network model based on layer operations. **2019**, 523, 984-995	8
1023	From Louvain to Leiden: guaranteeing well-connected communities. **2019**, 9, 5233	707
1022	Overcoming MPI Communication Overhead for Distributed Community Detection. **2019**, 77-90	3
1021	Network Embedding via Community Based Variational Autoencoder. **2019**, 7, 25323-25333	11
1020	Sensing Urban Structures and Crowd Dynamics with Mobility Big Data. **2019**, 370-389	
1019	A Comparative Study of Cluster Detection Algorithms in Protein-Protein Interaction for Drug Target Discovery and Drug Repurposing. **2019**, 10, 109	15
1018	Graph-Based Community Detection for Decoy Selection in Template-Free Protein Structure Prediction. **2019**, 24,	5
1017	Co-Association Matrix-Based Multi-Layer Fusion for Community Detection in Attributed Networks. **2019**, 21,	3
1016	User interest community detection on social media using collaborative filtering. **2019**, 1	5
1015	SCE: Subspace-based core expansion method for community detection in complex networks. **2019**, 527, 121084	10

1014	Learner2Vec-Based Learner Community Evolution AnalysisA Case Study Involving Student Card Data. **2019**, 7, 27416-27425		5
1013	Fast consensus clustering in complex networks. *Physical Review E*, **2019**, 99, 042301	2.4	11
1012	Identification of Dynamical Behavior of Pseudoperiodic Time Series by Network Community Structure. **2019**, 66, 1905-1909		7
1011	Differential network enrichment analysis reveals novel lipid pathways in chronic kidney disease. **2019**, 35, 3441-3452		15
1010	On the Analysis of the Influence of the Evaluation Metric in Community Detection over Social Networks. **2019**, 8, 23		3
1009	Parameter-free Community Detection through Distance Dynamic Synchronization. **2019**, 62, 1625-1638		
1008	Graph-Based Skill Acquisition For Reinforcement Learning. **2019**, 52, 1-26		4
1007	Accelerating the convergence rate of distributed consensus algorithm based on label propagation algorithm. **2019**, 631, 052007		
1006	Hierarchical Ego based Community Detection in Social Network. **2019**,		
1005	Minimizing the influence of dynamic rumors based on community structure. **2019**, 3, 303-314		2
1004	A new algorithm for detecting communities in social networks based on content and structure information. **2019**, 16, 79-93		2
1003	Evaluating vulnerability to fake news in social networks. **2019**,		6
1002	Network Community Detection using A Backtracking-based Discrete State Transition Algorithm. **2019**,		
1001	Discovering communities of community discovery. **2019**,		0
1000	CC2: Defending Hybrid Worm on Mobile Networks with Two-Dimensional Circulation Control. **2019**, 2019, 1-19		2
999	A Comparison of Overlapping Community Detection in Large Complex Network. **2019**,		
998	Cancer Biomarker Discovery from Gene Co-expression Networks Using Community Detection Methods. **2019**,		1
997	Unsupervised Classification for Social Networks with RS Matrix. **2019**,		0

996	Find modules in signed networks based on modularity optimization. **2019**, 33, 1950387	1
995	InSocialNet: Interactive visual analytics for role‐event videos. **2019**, 5, 375-390	2
994	Fog Seeding Strategies for Information-Centric Heterogeneous Vehicular Networks. **2019**,	1
993	CLOSE: Local Community Detection by LOcal Structure Expansion in a Complex Network. **2019**,	2
992	A Word Embedding Approach to Explore a Collection of Discussions of People in Psychological Distress. **2019**,	0
991	Label propagation algorithm based on node similarity driven by local information. **2019**, 33, 1950363	2
990	Weighted-Ring Similarity Measurement for Community Detection in Social Network. **2019**,	
989	Attributed Community Search with Forbidden Nodes. **2019**,	
988	. **2019**,	
987	Effectively Detecting Communities by Adjusting Initial Structure via Cores. **2019**, 2019, 1-20	1
986	Detecting community structure by belonging intensity analysis of intermediate nodes. **2019**, 30, 1950079	
985	Improved P2P Botnet Community Detection: Combining Modularity and Strong Community. **2019**,	1
984	Community Detection Method Based on Node Density, Degree Centrality, and K-Means Clustering in Complex Network. **2019**, 21, 1145	6
983	Dynamic Network Data Protection Algorithm Using Differential Privacy in Internet of Things. **2019**,	1
982	A Novel Snowball-Chain Approach for Detecting Community Structures in Social Graphs. **2019**,	
981	Dynamic Social Networks Generator Based on Modularity: DSNG-M. **2019**,	1
980	Dynamic Community Detection Based on a Label-Based Swarm Intelligence. **2019**, 7, 161641-161653	4
979	A Multi-Objective Community Detection Algorithm for Directed Network Based on Random Walk. **2019**, 7, 162652-162663	0

978	Community Detection with Self-Adapting Switching Based on Affinity. **2019**, 2019, 1-16	
977	Notice of Removal: Discovering community structure in networks - A comparative study. **2019**,	
976	Efficient Distributed Community Detection in the Stochastic Block Model. **2019**,	1
975	An ant colony approach in the detection of communities in complex networks. **2019**,	
974	Detection of Communities in Large Scale Networks. **2019**,	1
973	Community Detection to Invariant Pattern Clustering in Images. **2019**,	1
972	. **2019**,	1
971	Enhancing Personalized Recommendation by Implicit Preference Communities Modeling. **2019**, 37, 1-32	5
970	Computing weighted value of the fast linear iterations distributed consensus algorithm based on label propagation algorithm. **2019**, 631, 052005	
969	Weighted distributed consensus algorithm based on label propagation algorithm. **2019**, 631, 052006	
968	Group incremental adaptive clustering based on neural network and rough set theory for crime report categorization. **2019**, 459, 465-465	4
967	Shared-Memory Exact Minimum Cuts. **2019**,	1
966	Parallelizing FluidC, a Community Finding Algorithm. **2019**,	
965	Uncovering community structure in networks via hybrid clustering using cascading failure dynamics and topological metric functions. **2019**, 33, 1950352	1
964	Scalable generation of graphs for benchmarking HPC community-detection algorithms. **2019**,	10
963	Link prediction in social networks. **2019**,	
962	Multi-Type Node Detection in Network Communities. **2019**, 21, 1237	3
961	Computational historical linguistics. **2019**, 45, 151-182	3

942	Soft Image Segmentation: On the Clustering of Irregular, Weighted, Multivariate Marked Networks. **2019**, 85-109	2
941	A multi-objective bat algorithm for community detection on dynamic social networks. **2019**, 49, 2119-2136	28
940	Community detection in complex networks using edge-deleting with restrictions. **2019**, 519, 181-194	12
939	. **2019**, 7, 142773-142786	7
938	Improved network community detection using meta-heuristic based label propagation. **2019**, 49, 1451-1466	10
937	Personalized recommendation based on hierarchical interest overlapping community. **2019**, 479, 55-75	19
936	A Link-Based Similarity for Improving Community Detection Based on Label Propagation Algorithm. **2019**, 32, 737-758	21
935	Use of social network analysis to improve the understanding of social behaviour in dairy cattle and its impact on disease transmission. **2019**, 213, 47-54	9
934	The internet of things for smart manufacturing: A review. **2019**, 51, 1190-1216	133
933	Improving the Clustering Search heuristic: An application to cartographic labeling. **2019**, 77, 261-273	3
932	A novel modularity-based discrete state transition algorithm for community detection in networks. **2019**, 334, 89-99	32
931	A New Active Learning Semi-supervised Community Detection Algorithm in Complex Networks. **2019**, 20-32	1
930	A Memory-Based Label Propagation Algorithm for Community Detection. **2019**, 171-182	3
929	Is Community Detection Fully Unsupervised? The Case of Weighted Graphs. **2019**, 256-266	
928	On the Evaluation of Community Detection Algorithms on Heterogeneous Social Media Data. **2019**, 295-333	
927	Ensemble Clustering for Graphs. **2019**, 231-243	8
926	Directed LPA: Propagating labels in directed networks. **2019**, 383, 732-737	6
925	Community detection in social networks based on fire propagation. **2019**, 44, 31-48	16

924	Distributed control and optimization of process system networks: A review and perspective. **2019**, 27, 1461-1473	8
923	Ensemble-based overlapping community detection using disjoint community structures. **2019**, 163, 241-251	23
922	Community detection based on network communicability distance. **2019**, 515, 112-118	6
921	An efficient and fast algorithm for community detection based on node role analysis. **2019**, 10, 641-654	3
920	Parallel and distributed core label propagation with graph coloring. **2019**, 31, e4355	3
919	Local Core Members Aided Community Structure Detection. **2019**, 24, 1373-1381	6
918	SPFC: An Effective Optimization for Vertex-Centric Graph Processing Systems. **2019**, 4, 118-131	1
917	A dynamic clustering based method in community detection. **2019**, 22, 5703-5717	2
916	Ascent铤escent variable neighborhood decomposition search for community detection by modularity maximization. **2019**, 272, 273-287	12
915	Exponential quality function for community detection in complex networks. **2020**, 27, 245-266	2
914	. **2020**, 50, 1318-1330	4
913	Community Detection by Fuzzy Relations. **2020**, 8, 478-492	20
912	An attribute-based community search method with graph refining. **2020**, 76, 7777-7804	9
911	XINA: Explainable Instance Alignment Using Dominance Relationship. **2020**, 32, 388-401	0
910	Relational granulation method based on Quotient Space Theory for maximum flow problem. **2020**, 507, 472-484	10
909	Market basket applications on short web links. **2020**, 62, 139-157	
908	Leader-aware community detection in complex networks. **2020**, 62, 639-668	5
907	Boosted seed oversampling for local community ranking. **2020**, 57, 102053	3

906	Evaluation of the Sample Clustering Process on Graphs. **2020**, 32, 1333-1347	1
905	Efficient Provenance Management via Clustering and Hybrid Storage in Big Data Environments. **2020**, 6, 792-803	5
904	A spectral method to detect community structure based on the communicability modularity. **2020**, 537, 122751	6
903	Homophily Preserving Community Detection. **2020**, 31, 2903-2915	6
902	A spectral method for bipartizing a network and detecting a large anti-community. **2020**, 373, 112306	4
901	An ensemble based on a bi-objective evolutionary spectral algorithm for graph clustering. **2020**, 141, 112911	6
900	Label-Based Trajectory Clustering in Complex Road Networks. **2020**, 21, 4098-4110	13
899	Node Importance based Label Propagation Algorithm for overlapping community detection in networks. **2020**, 162, 113020	15
898	Research on complex network community identification based on partially optimized genetic algorithm. **2020**, 20, 81-89	1
897	A Survey on Controller Placement in SDN. **2020**, 22, 472-503	66
896	A three-stage algorithm on community detection in social networks. **2020**, 187, 104822	29
895	A Study on Overlapping Community Detection for Multimedia Social Network. **2020**, 572-578	2
894	Genetic algorithm-based community detection in large-scale social networks. **2020**, 32, 9649-9665	16
893	Community detection based on modularity and k-plexes. **2020**, 513, 127-142	23
892	WOCDA: A whale optimization based community detection algorithm. **2020**, 539, 122937	18
891	Multiplex community detection in complex networks using an evolutionary approach. **2020**, 146, 113184	12
890	Local Optimization for Clique-Based Overlapping Community Detection in Complex Networks. **2020**, 8, 5091-5103	3
889	A Survey of Sentiment Analysis from Social Media Data. **2020**, 7, 450-464	35

888	Detecting communities in social networks based on cliques. **2020**, 551, 124100	4
887	Community evaluation in Facebook groups. **2020**, 79, 33603-33622	9
886	Local Overlapping Community Detection. **2020**, 14, 1-25	11
885	Complex Networks Theory. **2020**, 45-69	
884	Local community detection by the nearest nodes with greater centrality. **2020**, 517, 377-392	23
883	Interactive Multiresolution Visualization of Cellular Network Processes. **2020**, 23, 100748	5
882	Pharmacogenomic network analysis of the gene-drug interaction landscape underlying drug disposition. **2020**, 18, 52-58	2
881	An overlapping community detection algorithm based on rough clustering of links. **2020**, 125, 101777	11
880	Swash: A collective personal name matching framework. **2020**, 147, 113115	1
879	Graph-based label propagation algorithm for community detection. **2020**, 11, 1319-1329	10
878	A multi-objective adaptive evolutionary algorithm to extract communities in networks. **2020**, 52, 100629	15
877	A Multi-Objective Genetic Algorithm for detecting dynamic communities using a local search driven immigrants□scheme. **2020**, 110, 960-975	4
876	Flow-Based Clustering on Directed Graphs: A Structural Entropy Minimization Approach. **2020**, 8, 152579-152591	1
875	Dynamical Clustering in Electronic Commerce Systems via Optimization and Leadership Expansion. **2020**, 16, 5327-5334	77
874	Network structure reveals clusters of associations between childhood adversities and development outcomes. **2020**, 23, e12934	22
873	Community structure: A comparative evaluation of community detection methods. **2020**, 8, 1-41	20
872	Hierarchical clustering of bipartite data sets based on the statistical significance of coincidences. *Physical Review E*, **2020**, 102, 042304	2.4
871	Learned Critical Probabilistic Roadmaps for Robotic Motion Planning. **2020**,	13

870	Community detection using multitopology and attributes in social networks. **2020**, e6028	
869	PRUCARS: improved association rule-based social recommender systems using overlapping community detection. **2020**, 176, 956-965	1
868	Semantic Information Detection of Webpage Based on Word Vector and Infomap. **2020**,	
867	Whole transcriptomic network analysis using Co-expression Differential Network Analysis (CoDiNA). **2020**, 15, e0240523	5
866	Algal blooms in a freshwater reservoir A network community detection analysis of potential forcing parameters. **2020**, 60, 101168	
865	A new attributed graph clustering by using label propagation in complex networks. **2020**,	13
864	Detecting community structure in signed and unsigned social networks by using weighted label propagation. **2020**, 30, 103118	0
863	Risk Factors Discovery for Cancer Survivability Analysis Using Graph-Rule Mining. **2020**, 2020, 1-12	0
862	. **2020**, 8, 112530-112538	1
861	A Manufacturing Network Modeling and Evolution Characterizing Approach for Self-Organization Among Distributed MSMEs Under Social Manufacturing Context. **2020**, 8, 119236-119251	3
860	CoHomo: A cluster-attribute correlation aware graph clustering framework. **2020**, 412, 327-338	1
859	Improved label propagation algorithm for overlapping community detection. **2020**, 102, 2185-2198	5
858	GLLPA: A Graph Layout based Label Propagation Algorithm for community detection. **2020**, 206, 106363	9
857	Find Your Place: Simple Distributed Algorithms for Community Detection. **2020**, 49, 821-864	2
856	Network Approaches for Dissecting the Immune System. **2020**, 23, 101354	11
855	Spatiotemporal data analysis with chronological networks. **2020**, 11, 4036	9
854	Community detection based on the Matthew effect. **2020**, 205, 106256	12
853	An improved algorithm for detecting community defined by node-to-node dynamic distance. **2020**, 31, 2050155	

| 852 | LILPA: A label importance based label propagation algorithm for community detection with application to core drug discovery. **2020**, 413, 107-133 | 12 |

| 851 | A new method for detecting communities in network based on the affinity between nodes. **2020**, 715, 012024 | |

| 850 | Learning Effective Feature Representation against User Privacy Protection on Social Networks. **2020**, 10, 4835 | 1 |

| 849 | A Label Propagation Algorithm based on Similarity and Weighted. **2020**, | |

| 848 | . **2020**, | 2 |

| 847 | A complex networks based analysis of jump risk in equity returns: An evidence using intraday movements from Pakistan stock market. **2020**, 28, 100418 | |

| 846 | A pyramidal community detection algorithm based on a generalization of the clustering coefficient. **2020**, 12, 9111 | 4 |

| 845 | MINE: Identifying Top-k Vital Nodes in Complex Networks via Maximum Influential Neighbors Expansion. **2020**, 8, 1449 | 3 |

| 844 | Correspondence analysis-based network clustering and importance of degenerate solutions unification of spectral clustering and modularity maximization. **2020**, 10, 1 | |

| 843 | Recent trends on community detection algorithms: A survey. **2020**, 34, 2050408 | 2 |

| 842 | A Temporal User Attribute-Based Algorithm to Detect Communities in Online Social Networks. **2020**, 8, 154363-154381 | 0 |

| 841 | Divisive Algorithm Based on Node Clustering Coefficient for Community Detection. **2020**, 8, 142337-142347 | 4 |

| 840 | Detecting and Evolving Microblog Community Based on Structure and Gravity Cohesion. **2020**, 8, 176624-176639 | 19 |

| 839 | GraphLib: A Parallel Graph Mining Library for Joint Cloud Computing. **2020**, | |

| 838 | A comparative study of overlapping community detection methods from the perspective of the structural properties. **2020**, 5, | 8 |

| 837 | Community Detection Clustering via Gumbel Softmax. **2020**, 1, 1 | 3 |

| 836 | Sensing the Noise: Uncovering Communities in Darknet Traffic. **2020**, | 4 |

| 835 | Exposing Fake Images With Forensic Similarity Graphs. **2020**, 14, 1049-1064 | 14 |

| 834 | A Guide for Choosing Community Detection Algorithms in Social Network Studies: The Question Alignment Approach. **2020**, 59, 597-605 | 9 |

| 833 | Particle Propagation Model for Dynamic Node Classification. **2020**, 8, 140205-140215 | 1 |

| 832 | Comparative analysis of sequential community detection algorithms based on internal and external quality measure. **2020**, 23, 1129-1146 | 2 |

| 831 | A density-based statistical analysis of graph clustering algorithm performance. **2020**, 8, | 2 |

| 830 | Overlapping Community Detection in Social Networks Using Cellular Learning Automata. **2020**, | |

| 829 | Multi-level Graph Label Propagation for Image Segmentation. **2020**, | |

| 828 | A Robust Algorithm Based on Link Label Propagation for Identifying Functional Modules from Protein-protein Interaction Networks. **2020**, PP, | 0 |

| 827 | Mining of gene modules and identification of key genes in head and neck squamous cell carcinoma based on gene co-expression network analysis. **2020**, 99, e22655 | 1 |

| 826 | Research on Community Detection in Complex Networks Based on Internode Attraction. **2020**, 22, | 2 |

| 825 | Community detection based on similarities of communication behavior in IP networks. **2020**, 1 | 2 |

| 824 | Lengthening of average path length in social networks due to the effect of community structure. **2020**, | |

| 823 | Step-by-step community detection in volume-regular graphs. **2020**, 847, 49-67 | 3 |

| 822 | Population Cross Learning Algorithm Combining Greedy Search for Community Detection. **2020**, 1601, 032006 | |

| 821 | Towards quantum computing based community detection. **2020**, 38, 100313 | 2 |

| 820 | Measuring visibility of disciplines on Chinese academic web. **2020**, 016555152096805 | |

| 819 | Research on complex network community discovery based on adaptive cross mutation operator. **2020**, 20, 443-451 | |

| 818 | A novel iterated greedy algorithm for detecting communities in complex network. **2020**, 10, 1 | 3 |

| 817 | Cold Start Problem Alleviation in a Research Paper Recommendation System Using the Random Walk Approach on a Heterogeneous User-Paper Graph. **2020**, 16, 24-48 | 5 |

816	Node-community membership diversifies community structures: An overlapping community detection algorithm based on local expansion and boundary re-checking. **2020**, 198, 105935	8
815	Community Detection in Social Networks Using Affinity Propagation with Adaptive Similarity Matrix. **2020**, 8, 189-202	11
814	On Utilizing Communities Detected From Social Networks in Hashtag Recommendation. **2020**, 7, 971-982	6
813	An Emotion Expression Extraction Method for Chinese Microblog Sentences. **2020**, 8, 69244-69255	4
812	Content Growth and Attention Contagion in Information Networks: Addressing Information Poverty on Wikipedia. **2020**, 31, 491-509	3
811	Edge classification based on Convolutional Neural Networks for community detection in complex network. **2020**, 556, 124826	6
810	An Overview of Community Detection Algorithms in Social Networks. **2020**,	2
809	Multi-morbidity Analysis using Community Detection Approach: a Comparative study. **2020**,	1
808	Modularity-Based Incremental Label Propagation Algorithm for Community Detection. **2020**, 10, 4060	1
807	A Two-Tier Partition Algorithm for the Optimization of the Large-Scale Simulation of Information Diffusion in Social Networks. **2020**, 12, 843	3
806	Label Propagation-Based Parallel Graph Partitioning for Large-Scale Graph Data. **2020**, 8, 72801-72813	1
805	A distributed business process fragmentation method based on community discovery. **2020**, 108, 372-389	1
804	AntLP: ant-based label propagation algorithm for community detection in social networks. **2020**, 5, 34-41	23
803	Rise of the Machines? Examining the Influence of Social Bots on a Political Discussion Network. **2020**, 089443932090819	13
802	Evolutionary Divide-and-Conquer Algorithm for Virus Spreading Control Over Networks. **2021**, 51, 3752-3766	5
801	NALPA: A Node Ability Based Label Propagation Algorithm for Community Detection. **2020**, 8, 46642-46664	6
800	Community Detection in Scientific Co-Authorship Networks using Neo4j. **2020**,	1
799	An effective community detection method based on one-dimensional attraction in network science. **2020**, 31, 2050071	1

798	Community detection based on gravitational coefficient in collaboration network. **2020**, 34, 2050143	1
797	Density-based Approach with Dual Optimization for Tracking Community Structure of Increasing Social Networks. **2020**, 29, 2050002	2
796	High-Quality Shared-Memory Graph Partitioning. **2020**, 31, 2710-2722	8
795	Scalable, Multi-Constraint, Complex-Objective Graph Partitioning. **2020**, 31, 2789-2801	5
794	Community Detection Boosts Network Dismantling on Real-World Networks. **2020**, 8, 111954-111965	4
793	Revealing dynamic communities in networks using genetic algorithm with merge and split operators. **2020**, 558, 124897	0
792	A Novel Community Detection Algorithm Based on Paring, Splitting and Aggregating in Internet of Things. **2020**, 8, 123938-123951	1
791	LSMD: A fast and robust local community detection starting from low degree nodes in social networks. **2020**, 113, 41-57	16
790	ANGEL: efficient, and effective, node-centric community discovery in static and dynamic networks. **2020**, 5,	5
789	A New Follow based Community Detection Algorithm. **2020**,	2
788	STCCD: Semantic trajectory clustering based on community detection in networks. **2020**, 162, 113689	13
787	Community detection and social network analysis based on the Italian wars of the 15th century. **2020**, 113, 25-40	5
786	An Improved Label Propagation Algorithm-Based Method to Develop Sectionalizing Strategies for Parallel Power System Restoration. **2020**, 8, 118497-118509	1
785	Community Detection via Local Learning Based on Generalized Metric With Neighboring Regularization. **2020**, 1-13	
784	Detecting coalitions by optimally partitioning signed networks of political collaboration. **2020**, 10, 1506	15
783	A coarsening method for bipartite networks via weight-constrained label propagation. **2020**, 195, 105678	2
782	A vertex-similarity clustering algorithm for community detection. **2020**, 4, 36-50	1
781	Self-falsifiable hierarchical detection of overlapping communities on social networks. **2020**, 22, 033014	1

780	Energy Aware Virtual Network Migration. **2020**, 1-1	3
779	Community detection in complex networks with an ambiguous structure using central node based link prediction. **2020**, 195, 105626	26
778	Optimizing Variational Graph Autoencoder for Community Detection with Dual Optimization. **2020**, 22,	4
777	Community Detection Based on a Preferential Decision Model. **2020**, 11, 53	
776	Multilingual stance detection in social media political debates. **2020**, 63, 101075	15
775	An iterated local search algorithm for community detection in complex networks. **2020**, 34, 2050013	2
774	Chaotic memetic algorithm and its application for detecting community structure in complex networks. **2020**, 30, 013125	3
773	Evolution of communities in dynamic social networks: An efficient map-based approach. **2020**, 147, 113221	9
772	Towards effective discovery of natural communities in complex networks and implications in e-commerce. **2020**, 1	12
771	MDPCluster: a swarm-based community detection algorithm in large-scale graphs. **2020**, 102, 893-922	1
770	Detecting community structure in complex networks using genetic algorithm based on object migrating automata. **2020**, 36, 824-860	9
769	A Feasible Community Detection Algorithm for Multilayer Networks. **2020**, 12, 223	2
768	Social Sensing of the Imbalance of Urban and Regional Development in China Through the Population Migration Network around Spring Festival. **2020**, 12, 3457	6
767	Time-Evolving Social Network Generator Based on Modularity: TESNG-M. **2020**, 7, 610-620	2
766	Constructing Real-Life Benchmarks for Community Detection by Rewiring Edges. **2020**, 2020, 1-16	2
765	Identifying Communities in Dynamic Networks Using Information Dynamics. **2020**, 22,	6
764	An Analysis of the Dynamic Community Detection Algorithms in Complex Networks. **2020**,	2
763	Hybrid CPU-GPU Community Detection in Weighted Networks. **2020**, 8, 57527-57551	6

| 762 | A Compression-Based Multi-Objective Evolutionary Algorithm for Community Detection in Social Networks. **2020**, 8, 62137-62150 | 3 |

| 761 | Development of a structure analytic hierarchy approach for the evaluation of the physical protection system effectiveness. **2020**, 52, 1661-1668 | 2 |

| 760 | A Seed-Expanding Method Based on TOPSIS for Community Detection in Complex Networks. **2020**, 2020, 1-14 | 1 |

| 759 | Classification and Comparative Evaluation of Community Detection Algorithms. **2021**, 28, 1417-1428 | 0 |

| 758 | Distance dynamics based overlapping semantic community detection for node-attributed networks. **2021**, 37, 678-700 | 2 |

| 757 | Soft Overlapping Community Detection in Large-Scale Networks via Fast Fuzzy Modularity Maximization. **2021**, 29, 1533-1543 | 6 |

| 756 | CFIN: A community-based algorithm for finding influential nodes in complex social networks. **2021**, 77, 2207-2236 | 12 |

| 755 | Application of community detection algorithms on learning networks. The case of Khan Academy repository. **2021**, 29, 411-424 | 5 |

| 754 | A Topical Exploration of the Intellectual Development of Decision Sciences 1975⊠2016. **2021**, 52, 543-566 | 4 |

| 753 | LPX: Overlapping community detection based on X-means and label propagation algorithm in attributed networks. **2021**, 37, 484-510 | |

| 752 | Polarization reduction by minimum-cardinality edge additions: Complexity and integer programming approaches. **2021**, 28, 1242-1264 | 0 |

| 751 | An unsupervised detection method for shilling attacks based on deep learning and community detection. **2021**, 25, 477-494 | 4 |

| 750 | Comparing Graph Clusterings: Set Partition Measures vs. Graph-Aware Measures. **2021**, 43, 2127-2132 | |

| 749 | Exploiting homophily to characterize communities in online social networks. **2021**, 33, e5929 | 1 |

| 748 | SLPA-based parallel overlapping community detection approach in large complex social networks. **2021**, 80, 6567-6598 | 3 |

| 747 | NSLPCD: Topic based tweets clustering using Node significance based label propagation community detection algorithm. **2020**, 89, 1-37 | 2 |

| 746 | A survey of community detection methods in multilayer networks. **2021**, 35, 1-45 | 28 |

| 745 | Collaborative community-specific microblog sentiment analysis via multi-task learning. **2021**, 169, 114322 | 1 |

726	Delegation Mechanism-Based Large-Scale Group Decision Making With Heterogeneous Experts and Overlapping Communities. **2021**, 1-14	5
725	Discrimination of Tomato Maturity Using Hyperspectral Imaging Combined with Graph-Based Semi-supervised Method Considering Class Probability Information. **2021**, 14, 968-983	5
724	Community Detection of Dynamic Complex Networks in Stock Markets Using Hybrid Methods (RMT-CN-LPAm+ and RMT-BDM-SA). **2021**, 8,	0
723	Boost AI Power: Data Augmentation Strategies with Unlabelled Data and Conformal Prediction, a Case in Alternative Herbal Medicine Discrimination with Electronic Nose. **2021**, 1-1	4
722	A classification of community detection methods in social networks: a survey. **2021**, 50, 63-91	7
721	Financial Networks and Structure of Global Financial Crime. **2021**, 131-152	0
720	Collaborative Detection of Community Structure in Multiple Private Networks. **2021**, 1-12	2
719	Source identification of infectious diseases in networks via label ranking. **2021**, 16, e0245344	1
718	Parallel label propagation algorithm based on weight and random walk. **2021**, 18, 1609-1628	
717	A novel algorithm for community detection based on resistance distance and similarity. **2021**, 35, 2150164	2
716	Label Propagation Algorithm Based on Topological Potential. **2021**, 131-143	
715	Overlapping Community Detection in Static and Dynamic Networks: A Qualitative Assessment. **2021**, 113-123	
714	LAA: Inductive Community Detection Algorithm Based on Label Aggregation. **2021**, 45-56	
713	A Distributed Algorithm for Overlapped Community Detection in Large-Scale Networks. **2021**,	
712	A Fast Community Detection Algorithm Based on Reconstructing Signed Networks. **2021**, 1-12	2
711	An Analysis and Comparison of Community Detection Algorithms in Online Social Networks. **2021**, 363-370	0
710	Community Search in a Multi-Attributed Graph using Collaborative Similarity Measure and Node Filtering. **2021**,	
709	SINr: Fast Computing of Sparse Interpretable Node Representations is not a Sin!. **2021**, 325-337	0

690   Teseo and the analysis of structural dynamic graphs. **2021**, 14, 1053-1066   1

689   To racketeer among neighbors: spatial features of criminal collaboration in the American Mafia. 1-26   2

688   Community detection based on first passage probabilities. **2021**, 390, 127099   3

687   MGA: Momentum Gradient Attack on Network. **2021**, 8, 99-109   2

686   Knowledge-Guided "Community Network" Analysis Reveals the Functional Modules and Candidate Targets in Non-Small-Cell Lung Cancer. **2021**, 10,   3

685   BiNeTClus. **2021**, 12, 1-26

684   Intelligent deception techniques against adversarial attack on the industrial system. **2021**, 36, 2412-2437   11

683   Social network analysis and community detection on spread of COVID-19. **2021**, 16, 37-52   1

682   A Jungle Community Detection Algorithm Based on New Weighted Similarity. **2021**, 46, 8493-8507   1

681   Overlapping community detection using core label propagation algorithm and belonging functions. **2021**, 51, 8067   2

680   Persona2vec: a flexible multi-role representations learning framework for graphs. **2021**, 7, e439   0

679   GraphBreak: Network Community detection and annotation in biomedical regulatory informatics context.

678   Network-based semisupervised clustering. **2021**, 37, 182-202   0

677   A landscape for drug-target interactions based on network analysis. **2021**, 16, e0247018   1

676   Context Specificity Matters: Profile Attributes Prediction for Social Network Users. **2021**,

675   The spatial network structure of intertidal meiofaunal communities derived from environmental DNA metabarcoding surveys in Northwest Iberia.

674   Dynamic Community Structure in Online Social Groups. **2021**, 12, 113   0

673   The quasi-universality of nestedness in the structure of quantitative plant-parasite interactions.   0

672	Analysis of dynamic networks based on the Ising model for the´case of study of co-authorship of scientific articles. **2021**, 11, 5721	2
671	HiCBin: Binning metagenomic contigs and recovering metagenome-assembled genomes using Hi-C contact maps.	3
670	IM-ELPR: Influence maximization in social networks using label propagation based community structure. **2021**, 51, 7647	7
669	Influence propagation based community detection in complex networks. **2021**, 3, 100019	4
668	A Node Similarity and Community Link Strength-Based Community Discovery Algorithm. **2021**, 2021, 1-17	2
667	Temporal evolution of lift in a pure cruciform system for energy harvesting. **2021**, 223, 108648	1
666	Network community structure of substorms using SuperMAG magnetometers. **2021**, 12, 1842	4
665	Characterising contact in disease outbreaks via a network model of spatial-temporal proximity.	0
664	Dependencies-based microservices decomposition method. 1-8	0
663	An empirical characterization of community structures in complex networks using a bivariate map of quality metrics. **2021**, 11, 1	0
662	Towards Understanding Cryptocurrency Derivatives:A Case Study of BitMEX. **2021**,	0
661	Large-scale Fake Click Detection for E-commerce Recommendation Systems. **2021**,	0
660	Disambiguation of author entities in ADS using supervised learning and graph theory methods. **2021**, 126, 3893-3917	2
659	Louvain-based Multi-level Graph Drawing. **2021**,	0
658	LPA-MNI: An Improved Label Propagation Algorithm Based on Modularity and Node Importance for Community Detection. **2021**, 23,	6
657	Enhanced Twitter Community Detection using Node Content and Attributes. **2021**,	
656	A Local-Neighborhood Information Based Overlapping Community Detection Algorithm for Large-Scale Complex Networks. **2021**, 29, 543-556	7
655	Understanding digitally enabled complex networks: a plural granulation based hybrid community detection approach. **2021**, ahead-of-print,	6

654	An Efficient Method Based on Label Propagation for Overlapping Community Detection. **2021**,	0
653	Local community detection algorithm based on local modularity density. 1	3
652	ProHiCo: A Probabilistic Framework to Hide Communities in Large Networks. **2021**,	
651	An Approach to Spatiotemporal Trajectory Clustering Based on Community Detection. **2021**, 2021, 1-10	1
650	Credit Card Fraud Detection Technique by Applying Graph Database Model. **2021**, 46, 1-20	5
649	Detecting change points in dynamic networks by measuring cluster stability. **2021**, 32, 2150123	
648	Understanding the User Interactions on GitHub: A Social Network Perspective. **2021**,	0
647	Representation method of cooperative social network features based on Node2Vec model. **2021**, 173, 21-26	2
646	Towards Inferring Influential Facebook Users. **2021**, 10, 62	0
645	A social media analytics platform visualising the spread of COVID-19 in Italy via exploitation of automatically geotagged tweets. **2021**, 23, 100134	8
644	Making sense of tweets using sentiment analysis on closely related topics. **2021**, 11, 44	3
643	A stable community detection approach for complex network based on density peak clustering and label propagation. 1	7
642	Community Detection in Social Networks using Local Topology and Information Exchange. **2021**,	1
641	Detecting incentivized review groups with co-review graph. **2021**, 1, 100006	
640	Clustering assessment in weighted networks. **2021**, 7, e600	1
639	Chained graphs and some applications. **2021**, 6,	1
638	A spatially aware method for mapping movement-based and place-based regions from spatial flow networks. **2021**, 25, 2104-2124	1
637	Force-directed algorithms as a tool to support community detection. 1	2

636	NORMA: The Network Makeup Artist - A Web Tool for Network Annotation Visualization. **2021**,	4
635	A Novel Acceleration Signal Processing Procedure for Cycling Safety Assessment. **2021**, 21,	6
634	A review and comparative analysis of coarsening algorithms on bipartite networks. 1	1
633	Political Partisanship and Antiscience Attitudes in Online Discussions About COVID-19: Twitter Content Analysis. **2021**, 23, e26692	7
632	Customer Churn Behaviour Predicting Using Social Network Analysis Techniques: A Case Study. **2021**,	0
631	An Adaptive and Near Parameter-Free BRKGA Using Q-Learning Method. **2021**,	1
630	The Complex Community Structure of the Bitcoin Address Correspondence Network. **2021**, 9,	1
629	Measuring node dissimilarity and seeking communities in directed networks via signal copying. **2021**, 32, 2150136	
628	Continuous Encoding for Community Detection in Attribute Networks with Preserving Node Information. **2021**,	
627	Community Hiding by Link Perturbation in Social Networks. **2021**, 8, 704-715	5
626	Computational models for commercial advertisements in social networks. **2021**, 572, 125916	1
625	Community detection using constrained label propagation algorithm with nodes exemption. 1	1
624	Gravitational community detection by predicting diameter. 2150145	
623	A review of heuristics and metaheuristics for community detection in complex networks: Current usage, emerging development and future directions. **2021**, 63, 100885	5
622	Community Detection in Partially Observable Social Networks. **2021**, 16, 1-24	5
621	A weighted network community detection algorithm based on deep learning. **2021**, 401, 126012	12
620	Safeness-Based Community Penetration. **2021**, 68, 2690-2694	
619	NI-Louvain: A novel algorithm to detect overlapping communities with influence analysis. **2021**,	1

618	Quantum inspired community detection for analysis of biodiversity change driven by land-use conversion and climate change. **2021**, 11, 14332	0
617	A new nature-inspired optimization for community discovery in complex networks. **2021**, 94, 1	0
616	COVID-19 Community Temporal Visualizer: a new methodology for the network-based analysis and visualization of COVID-19 data. **2021**, 10, 46	1
615	Parallel stacked autoencoder with particle swarm optimization for community detection in complex networks. 1	2
614	Application of State Transition Simulated Annealing Algorithm in Community Detection. **2021**, 1971, 012061	
613	The Wild Sugarcane and Sorghum Kinomes: Insights Into Expansion, Diversification, and Expression Patterns. **2021**, 12, 668623	3
612	Community Detection by Node Betweenness and Similarity in Complex Network. **2021**, 2021, 1-13	1
611	Modelling segmental duplications in the human genome. **2021**, 22, 496	0
610	Flow of online misinformation during the peak of the COVID-19 pandemic in Italy. **2021**, 10, 34	14
609	A New Method of Identifying Core Designers and Teams Based on the Importance and Similarity of Networks. **2021**, 2021, 3717733	2
608	Elastic AI: system support for adaptive machine learning in pervasive computing systems. **2021**, 3, 300-328	
607	Evolutionary algorithms in high-dimensional radio access network optimization. **2021**,	
606	A systematic comparison of community detection algorithms for measuring selective exposure in co-exposure networks. **2021**, 11, 15218	2
605	HomDroid: detecting Android covert malware by social-network homophily analysis. **2021**,	1
604	Network analysis of ten thousand genomes shed light on Pseudomonas diversity and classification.	
603	Hide and Seek: Outwitting Community Detection Algorithms. **2021**, 8, 799-808	5
602	AFIF: Automatically Finding Important Features in community evolution prediction for dynamic social networks. **2021**, 176, 66-80	0
601	Prognostic targets recognition of rectal adenocarcinoma based on transcriptomics. **2021**, 100, e25909	1

600	The inherent community structure of hyperbolic networks. **2021**, 11, 16050	1
599	Local search for constrained graph clustering in biological networks. **2021**, 132, 105299	2
598	Evolving climate network perspectives on global surface air temperature effects of ENSO and strong volcanic eruptions. **2021**, 230, 3075	1
597	Analysis of information cascading and propagation barriers across distinctive news events. **2021**, 1-34	
596	On the Vulnerability of Community Structure in Complex Networks. **2022**, 109-136	
595	Overlapping community detection in networks based on link partitioning and partitioning around medoids. **2021**, 16, e0255717	2
594	Gravity algorithm for the community detection of large-scale network. 1	0
593	A review on community structures detection in time evolving social networks. **2021**,	1
592	Exploring the topology and dynamic growth properties of co-invention networks and technology fields. **2021**, 16, e0256956	1
591	Enriching networks with edge insertion to improve community detection. **2021**, 11, 1	1
590	Detection of key figures in social networks by combining harmonic modularity with community structure-regulated network embedding. **2021**, 570, 722-743	3
589	Network Analysis Based on Important Node Selection and Community Detection. **2021**, 9, 2294	4
588	Phase-wise migration of multiple legacy applications A graph-theoretic approach. **2021**, 137, 106606	
587	Global formal live poultry and hatching egg trade network (2004-2016): description and association with poultry disease reporting and presence. **2021**, 100, 101322	0
586	Label entropy-based cooperative particle swarm optimization algorithm for dynamic overlapping community detection in complex networks.	0
585	Italian Twitter semantic network during the Covid-19 epidemic. **2021**, 10, 47	5
584	The network structure of intertidal meiofaunal communities from environmental DNA metabarcoding surveys in Northwest Iberia. **2021**, 83, 1	2
583	Data-driven Clustering in Ad-hoc Networks based on Community Detection. **2021**,	0

582	Discovery of associated consumer demands: Construction of a co-demanded product network with community detection. **2021**, 178, 115038	2
581	An efficient multi-swarm elephant herding optimization for solving community detection problem in complex environment. e6590	1
580	A fast local community detection algorithm in complex networks. 1	2
579	IbLT: An effective granular computing framework for hierarchical community detection. 1	1
578	Node2vec with weak supervision on community structures. **2021**, 150, 147-154	
577	Sparsity of weighted networks: Measures and applications. **2021**, 577, 557-578	0
576	Magas: matrix-based asynchronous graph analytics on shared memory systems. 1	
575	APAL: Adjacency Propagation Algorithm for overlapping community detection in biological networks. **2021**, 579, 574-590	2
574	A fast variable neighborhood search approach for multi-objective community detection. **2021**, 112, 107838	1
573	PLDLS: A novel parallel label diffusion and label Selection-based community detection algorithm based on Spark in social networks. **2021**, 183, 115377	7
572	A modified label propagation algorithm for community detection in attributed networks. **2021**, 1, 100030	3
571	ACSIMCD: A 2-phase framework for detecting meaningful communities in dynamic social networks. **2021**, 125, 399-420	1
570	Complex networks from time series data allow an efficient historical stage division of urban air quality information. **2021**, 410, 126435	1
569	Supervised-learning link prediction in single layer and multiplex networks. **2021**, 6, 100086	7
568	Parallel and distributed paradigms for community detection in social networks: A methodological review. **2022**, 187, 115956	2
567	Vertical organizations, flat networks: Centrality and criminal collaboration in the Italian-American Mafia. **2022**, 68, 127-138	2
566	Event-based Community Detection in Micro-Blog Networks. **2021**, 17, 60	
565	Disjoint and Non-Disjoint Community Detection with Control of Overlaps Between Communities. **2021**, 2, 1	

564   Large-Scale Network Community Detection Using Similarity-Guided Merge and Refinement. **2021**, 9, 78538-78552   0

563   A New Novel Label Propagation Algorithm. **2021**, 39-46

562   A Label Propagation Based Node Clustering Algorithm in Heterogeneous Information Networks. **2021**, 9, 132631-132640

561   Clustering spatio-temporal bi-partite graphs for finding crowdsourcing communities in IoMT networks. **2021**, 5, 24-48   0

560   Disjoint and Overlapping Community Detection in Small-World Networks Leveraging Mean Path Length. **2021**, 1-13   1

559   Balanced Weighted Label Propagation. **2021**, 1-12   0

558   Fuzzy Community Detection Based on Elite Symbiotic Organisms Search and Node Neighborhood Information. **2021**, 1-1   0

557   . **2021**, 9, 14630-14639

556   Unsupervised Pathogenic Social Media Accounts Detection Without Content or Network Structure. **2021**, 29-38

555   Identification of hub genes and biological pathways in hepatocellular carcinoma by integrated bioinformatics analysis. **2021**, 9, e10594   2

554   Evolution Properties and Spatial-Mode UWOC Performances of The Perfect Vortex Beam Subject to Oceanic Turbulence. **2021**, 1-1   4

553   An MPI-based Algorithm for Mapping Complex Networks onto Hierarchical Architectures. **2021**, 167-182

552   A Survey of Computational Approaches to Reconstruct and Partition Biological Networks. 1-43   2

551   Label Propagation for Clustering. **2019**, 121-150   2

550   Applications of Network Analysis in Biomedicine. **2020**, 2204, 39-50   1

549   Encyclopedia of Social Network Analysis and Mining. **2014**, 342-346   2

548   A Template for Parallelizing the Louvain Method for Modularity Maximization. **2013**, 111-124   14

547   Vienna Graph Clustering. **2020**, 2074, 215-231   1

| 546 | Estimating the Similarity of Community Detection Methods Based on Cluster Size Distribution. **2019**, 183-194 | 9 |

| 545 | SimpleHypergraphs.jl✉Novel Software Framework for Modelling and Analysis of Hypergraphs. **2019**, 115-129 | 3 |

| 544 | A Label-Based Nature Heuristic Algorithm for Dynamic Community Detection. **2019**, 621-632 | 3 |

| 543 | Eva: Attribute-Aware Network Segmentation. **2020**, 141-151 | 2 |

| 542 | Exorcising the Demon: Angel, Efficient Node-Centric Community Discovery. **2020**, 152-163 | 2 |

| 541 | BiMLPA: Community Detection in Bipartite Networks by Multi-Label Propagation. **2020**, 17-31 | 3 |

| 540 | Effective Data Redistribution Based on User Queries in a Distributed Graph Database. **2020**, 218-229 | 1 |

| 539 | Parallel Graph Partitioning Optimization Under PEGASUS DA Application Global State Monitoring. **2020**, 272-286 | 1 |

| 538 | Detecting Overlapping Communities Using Distributed Neighbourhood Threshold in Social Networks. **2020**, 432-445 | 1 |

| 537 | Customer Interaction Networks Based on Multiple Instance Similarities. **2020**, 279-290 | 1 |

| 536 | Quantifying Influential Communities in Granular Social Networks Using Fuzzy Theory. **2020**, 906-917 | 8 |

| 535 | A Graph Partitioning Algorithm for Edge or Vertex Balance. **2020**, 23-37 | 1 |

| 534 | Dynamic Graph Repartitioning: From Single Vertex to Vertex Group. **2020**, 482-497 | 3 |

| 533 | An Overlapping Community Detection Algorithm Based on Triangle Reduction Weighted for Large-Scale Complex Network. **2020**, 627-644 | 1 |

| 532 | Governance in Smart City: An Approach Based on Social Network. **2021**, 63-87 | 3 |

| 531 | Media Polarization on Twitter During 2019 Indonesian Election. **2021**, 660-670 | 2 |

| 530 | Distributed Community Detection in Dynamic Graphs. **2013**, 1-12 | 5 |

| 529 | Community Detection in Bipartite Networks Using Random Walks. **2014**, 157-165 | 10 |

492	A Comparative Analysis of Community Detection Algorithms on Social Networks. **2019**, 287-298	3
491	Latent Feature Representation for Cohesive Community Detection Based on Convolutional Auto-Encoder. **2019**, 380-394	0
490	On a Novel Representation of Multiple Textual Documents in a Single Graph. **2020**, 105-115	4
489	Big networks: A survey. **2020**, 37, 100247	11
488	Label propagation algorithm based on node importance. **2020**, 551, 124137	11
487	#polisci Twitter: A Descriptive Analysis of how Political Scientists Use Twitter in 2019. 1-22	5
486	Global-scale phylogenetic linguistic inference from lexical resources. **2018**, 5, 180189	15
485	Broccoli: combining phylogenetic and network analyses for orthology assignment.	1
484	Network analysis of workshop activities reveals increasing transdisciplinarity of German biodiversity research community.	1
483	NORMA-The network makeup artist: a web tool for network annotation visualization.	2
482	Structure and consistency of self-reported social contact networks in British secondary schools.	1
481	Deconvolute individual genomes from metagenome sequences through read clustering.	1
480	ALEPH: a network-oriented approach for the generation of fragment-based libraries and for structure interpretation. **2020**, 76, 193-208	9
479	Static and Dynamic Community Detection Methods That Optimize a Specific Objective Function: A Survey and Experimental Evaluation. **2020**, 8, 98330-98358	2
478	SIG-CLA: A Significant Community Detection based on Cellular Learning Automata. **2020**,	4
477	Attributed Network Embedding with Community Preservation. **2020**,	2
476	Density Peaks Based Clustering Algorithm for Overlapping Community Detection. **2016**,	1
475	Community leader and transition probability based LPA. **2020**, 34, 2050253	1

474	Node Trust: an effective method to detect non-overlapping community in social networks. **2021**, 35, 2150036	1
473	Ensemble Detection and Analysis of Communities in Complex Networks. **2020**, 1, 1-34	2
472	Noise-Enhanced Community Detection. **2020**,	6
471	Modeling with Node Popularities for Autonomous Overlapping Community Detection. **2020**, 11, 1-23	3
470	Community Detection by Motif-Aware Label Propagation. **2020**, 14, 1-19	14
469	A Critical Survey of the Multilevel Method in Complex Networks. **2020**, 53, 1-35	11
468	Network Embedding for Community Detection in Attributed Networks. **2020**, 14, 1-25	21
467	Higher-order Clustering in Complex Heterogeneous Networks. **2020**,	3
466	On Proximity and Structural Role-based Embeddings in Networks. **2020**, 14, 1-37	16
465	A new deep sparse autoencoder for community detection in complex networks. **2020**, 2020,	10
464	Social features of online networks: the strength of intermediary ties in online social media. **2012**, 7, e29358	160
463	Network selection: a method for ranked lists selection. **2012**, 7, e43678	3
462	Link-Prediction Enhanced Consensus Clustering for Complex Networks. **2016**, 11, e0153384	20
461	Clustering Scientific Publications Based on Citation Relations: A Systematic Comparison of Different Methods. **2016**, 11, e0154404	63
460	Detecting Community Structure by Using a Constrained Label Propagation Algorithm. **2016**, 11, e0155320	20
459	BoCluSt: Bootstrap Clustering Stability Algorithm for Community Detection. **2016**, 11, e0156576	4
458	A Novel Clustering Methodology Based on Modularity Optimisation for Detecting Authorship Affinities in Shakespearean Era Plays. **2016**, 11, e0157988	6
457	Locating Structural Centers: A Density-Based Clustering Method for Community Detection. **2017**, 12, e0169355	24

456   Community detection in dynamic networks via adaptive label propagation. **2017**, 12, e0188655   16

455   Real-time community detection in full social networks on a laptop. **2018**, 13, e0188702   10

454   Community Detection in Scale-Free Networks using Edge Weight and Modularity Optimization Method. **2015**, 30, 84-95   2

453   A Fast Method of Detecting Overlapping Community in Network Based on LFM. 825-834   2

452   An Efficient Algorithm for Optimizing Bipartite Modularity in Bipartite Networks. **2010**, 14, 408-415   25

451   Political Partisanship and Antiscience Attitudes in Online Discussions About COVID-19: Twitter Content Analysis (Preprint).   2

450   Movements, connectivity, and space use of immature green turtles within coastal habitats of the Culebra Archipelago, Puerto Rico: implications for conservation. **2019**, 40, 75-90   7

449   Network analysis reveals multispecies spatial associations in the shark community of a Caribbean marine protected area. **2020**, 633, 105-126   11

448   Community Mining in Complex Networks---Clustering Combination Based Genetic Algorithm. **2010**, 36, 1160-1170   12

447   Community Detection via Improved Genetic Algorithm in Complex Network. **2012**, 11, 384-387   5

446   Community Detection in Large-Scale Social Networks. **2018**, 189-206   2

445   The Exposome Paradigm in Environmental Health. **2019**, 1-29   3

444   Community Detection in Dynamic Social Networks. **2014**, 06, 124-136   9

443   Overlapping Community Detection in Dynamic Networks. **2014**, 07, 872-882   11

442   Finding Statistically Significant Communities in Networks with Weighted Label Propagation. **2013**, 02, 138-146   17

441   Deconvolute individual genomes from metagenome sequences through short read clustering. **2020**, 8, e8966   2

440   Global Clustering Method of Metagenome Sequences Based on Tetranucleotide Frequency. **2021**,

439   Community Detection and Impact of Bots on Sentiment Polarity of Twitter Networks. **2021**,   0

438   Incremental Community Detection in Distributed Dynamic Graph. **2021**,   0

437   Thrifty Label Propagation: Fast Connected Components for Skewed-Degree Graphs. **2021**,   0

436   Contextual polarity and influence mining in online social networks. **2021**, 8,   1

435   TSCDA: A novel greedy approach for community discovery in networks.

434   Using Graphs for Classification. **2022**, 745-750

433   Evaluating the role of community detection in improving influence maximization heuristics. **2021**, 11, 1   1

432   Faster Support Vector Machines. **2021**, 26, 1-21   4

431   Boosting semi-supervised network representation learning with pseudo-multitasking. 1

430   An enhanced evolutionary approach for solving the community detection problem. 1-18

429   Application of Information Transmission Control Strategy Based on Incremental Community Division in IoT Platform. **2021**, 21, 21968-21978   9

428   Attributed network community detection based on network embedding and parameter-free clustering. 1   1

427   Social Network Community Detection by Combining Self-Organizing Maps and Genetic Algorithms. **2021**, 2021, 1-14

426   Network-driven analysis of human-Plasmodium falciparum interactome: processes for malaria drug discovery and extracting in silico targets. **2021**, 20, 421   1

425   Determining the best algorithm to detect community structures in networks: application to power systems. 1

424   A Complex Networks Approach to Demographic Zonification. **2009**, 177-188

423   Uncovering Community Structure in Social Networks by Clique Correlation. **2011**, 247-258

422   Towards Democratic Group Detection in Complex Networks. **2012**, 105-113   1

421   Immunization of Networks via Modularity Based Node Representation. **2012**, 33-44

420   Group similarity based algorithm for network community structure detection. **2012**, 61, 218901   4

419   A Cooperative and Heuristic Community Detecting Algorithm. **2012**, 7,   2

418   Social Network Analysis Techniques for Social-Oriented Mobile Communication Networks. **2012**, 51-80

417   Line Graph for Weighted Networks toward Overlapping Community Discovery. **2012**, 403-413

416   Social and Communication Networks. **2013**, 9-44

415   Network Community Structure Clustering Algorithm Based on the Genetic Theory. **2013**, 88-93

414   Concept Similarity Based Academic Tweet Community Detection Using Label Propagation. **2013**, 677-686   2

413   The Community Structure of European R&D Collaboration. **2013**, 151-173

412   Community Discovering Based on Central Nodes of Social Networks. **2013**, 291-303

411   A Label Propagation-Based Algorithm for Community Discovery in Online Social Networks. **2013**, 422-433

410   Moblog-Based Social Networks. **2014**, 75-97

409   Encyclopedia of Social Network Analysis and Mining. **2014**, 517-525   1

408   Computational Complexities of Optimization Problems Related to Model-Based Clustering of Networks. **2014**, 97-113

407   Community Detection. **2014**, 11-47

406   Community Detection Method of Complex Network Based on ACO Pheromone of TSP. **2014**, 763-770

405   Determining Leaders and Communities on Networks Using Neighborhood Similarity. **2014**, 03, 50-57   1

404   Naming Networks and Clustering. **2014**, 145-182

403   The anatomy of a human disease network. **2014**, 21, 58-60   1

402	Global Private Capital: A Network Perspective.	
401	Community Based Information Dissemination. **2015**, 220-231	
400	Communities Identification Using Nodes Features. **2015**, 303-312	
399	The Spatial Structure of Crime in Urban Environments. **2015**, 102-111	4
398	Comparison of journal clustering methods based on citation structure. **2015**, 26, 827-839	1
397	Community Detection in Networks with Less Significant Community Structure. **2016**, 65-80	0
396	Making Computers Understand Coalition and Opposition in Parliamentary Democracy. **2016**, 265-276	
395	Semi-supervised Evidential Label Propagation Algorithm for Graph Data. **2016**, 123-133	1
394	Inferring Social Roles of Mobile Users Based on Communication Behaviors. **2016**, 402-414	1
393	Unified Weighted Label Propagation Algorithm Using Connection Factor. **2016**, 434-444	1
392	Theoretical framework for social network marketing based on genetic algorithm. **2016**, 11, 23-28	
391	GEML: A Grammatical Evolution, Machine Learning Approach to Multi-class Classification. **2017**, 113-134	
390	Encyclopedia of Social Network Analysis and Mining. **2017**, 1-4	
389	A Method Towards Community Detection Based on Estimation of Distribution Algorithm. **2017**, 661-671	
388	A Novel Framework for Analyzing Overlapping Community Evolution in Dynamic Social Networks. **2017**, 60-70	
387	REBUILD: Graph Embedding Based Method for User Social Role Identity on Mobile Communication Network. **2017**, 326-333	3
386	Node-Centric Detection of Overlapping Communities in Social Networks. **2017**, 1-10	3
385	Implementation, Efficiency Analysis and Quality Evaluation of Clustering Algorithms for Graph Models of Social Networks. **2017**, 17, 441-451	

384   Encyclopedia of Social Network Analysis and Mining. **2017**, 1-9

383   Reinforcement Label Propagation Algorithm Based on History Record. **2017**, 348-356   1

382   Phenotype-driven transitions in regulatory network structure.

381   Detection of communities with Naming Game-based methods. **2017**, 12, e0182737   1

380   Community Semantics Recommender Based on Association Link Network. **2018**, 35-43

379   polyCluster: Defining Communities of Reconciled Cancer Subtypes with Biological and Prognostic Significance.

378   Edge Representation Learning for Community Detection in Large Scale Information Networks. **2018**, 54-72   1

377   A Degenerate Agglomerative Hierarchical Clustering Algorithm for Community Detection. **2018**, 234-242   3

376   Encyclopedia of Big Data Technologies. **2018**, 1-7   0

375   Finding Overlapping Communities by Increasing the Determinacy of SLPA in Complex Networks. **2018**, 111-122   1

374   Local Community Detection Using Greedy Algorithm with Probability. **2018**, 465-473

373   Encyclopedia of Social Network Analysis and Mining. **2018**, 826-834

372   Encyclopedia of Social Network Analysis and Mining. **2018**, 568-572

371   A similarity based agglomerative clustering algorithm in networks. **2018**,

370   Analysis of Co-authorship Networks. **2019**, 235-275   1

369   Measurement and Algorithm for Overlapping Community Partitioning in Bipartite Networks. **2019**, 431-439

368   Local clustering. **2018**, 3, 960

367   Identifying Virtual Relations among Businesses Exploring User Reaction on Facebook. **2018**,

366   An Overlapping Community Detection Algorithm Based on Triangle Coarsening and Dynamic Distance. **2019**, 285-300

365   Visual Analysis for Online Communities Exploration Based on Social Data. **2019**, 291-301

364   Encyclopedia of Big Data Technologies. **2019**, 858-864   1

363   Regiony a regionⓘⓗⓛtaxonomie: koncepty, pⓢtupy, aplikace. **2019**,   2

362   Characterization of Online Social Network. **2019**, 272-299   1

361   Location-Interest-Aware Community Detection for Mobile Social Networks Based on Auto Encoder. **2019**, 176-184

360   Probabilistic Graphical Model Based Highly Scalable Directed Community Detection Algorithm. **2019**, 322-340

359   Association Visualization Analysis for the Application Service Layer and Network Control Layer. **2019**, 153-164

358   Rapid, Progressive Sub-Graph Explorations for Interactive Visual Analytics over Large-Scale Graph Datasets. **2019**,

357   Realization of Recommender Framework Based on Community Detection. **2019**, 57-65

356   From heterogenous morphogenetic fields to homogeneous regions as a step towards understanding complex tissue dynamics.

355   Community Finding with Applications on Phylogenetic Networks. **2020**, 1935-1953   1

354   Overlapping community detection algorithm based on improved KNN. **2019**, 1-8

353   The Presence of Anti-community Structure in Complex Networks. **2020**, 127-137

352   Metrics Matter in Community Detection. **2020**, 164-175   1

351   Comparing the Community Structure Identified by Overlapping Methods. **2020**, 262-273

350   Identifying, Ranking and Tracking Community Leaders in Evolving Social Networks. **2020**, 198-210

349   Label Propagation Algorithm Based on Improved RA Similarity. **2020**, 766-772

330	Overlapping Community Detection Based on Membership Degree Propagation. **2020**, 23,	3
329	Research on semi-supervised community discovery algorithm based on new annealing. **2020**, 2020, 1149-1154	1
328	Detecting Influential Communities in Twitter during Brazil Oil Field Auction in 2019. **2020**,	0
327	Community Detection for Mobile Money Fraud Detection. **2020**,	1
326	Toward Identifying the Urban Community Structure from Population Flow and Public Services Distribution. **2020**,	0
325	. **2020**,	
324	Graph Transformer for Communities Detection in Social Networks. **2022**, 70, 5707-5720	0
323	Community Detection Based on Social Influence in Large Scale Networks. **2020**, 122-137	1
322	Density-Peak-Based Overlapping Community Detection Algorithm. **2021**, 1-13	
321	A Type-Sensitive Service Identification Approach for Legacy-to-SOA Migration. **2020**, 476-491	1
320	Review Trade: Everything Is Free in Incentivized Review Groups. **2020**, 339-359	
319	Indicators for Measuring Tourist Mobility. **2020**, 398-413	
318	Linear Time Community Detection by a Novel Modularity Gain Acceleration in Label Propagation. **2020**, 1-1	0
317	Discovery of Customer Communities Ⅱevaluation Aspects. **2020**, 177-191	
316	Addressing the Resolution Limit and the Field of View Limit in Community Mining. **2020**, 210-222	1
315	A Community Detection Method Based on the Subspace Similarity of Nodes in Complex Networks. **2020**, 105-120	
314	C-DAG: Community-Assisted DAG Mechanism with High Throughput and Eventual Consistency. **2020**, 113-121	1
313	Overlapping Community Detection Method Based on Network Representation Learning and Density Peaks. **2020**, 8, 226506-226514	

294   Community detection in complex network by network embedding and density clustering. **2021**, 1-12

293   Hierarchical community-discovery algorithm combining core nodes and three-order structure model. e6669

292   The quasi-universality of nestedness in the structure of quantitative plant-parasite interactions. 1,   o

291   ▓▓▓▓▓▓▓▓— ▓▓**2021**, 171-188

290   Medical Knowledge Graphs in the Discovery of Future Research Collaborations. **2022**, 371-391   o

289   Community reinforcement: An effective and efficient preprocessing method for accurate community detection. **2021**, 107741   o

288   Improving the stability of label propagation algorithm by propagating from low-significance nodes for community detection in social networks. 1   1

287   Community Detection Algorithm Based on Intelligent Calculation of Complex Network Nodes. **2021**, 2021, 1-10

286   DPNLP: distance based peripheral nodes label propagation algorithm for community detection in social networks. 1   1

285   Revealing the component structure of the world air transportation network. **2021**, 6, 92   5

284   Detection of Hidden Communities in Twitter Discussions of Varying Volumes. **2021**, 13, 295   3

283   Finding Central Vertices and Community Structure via Extended Density Peaks-Based Clustering. **2021**, 12, 501

282   From heterogeneous morphogenetic fields to homogeneous regions as a step towards understanding complex tissue dynamics. **2021**, 148,

281   Community Detection Using Semilocal Topological Features and Label Propagation Algorithm. **2021**, 255-266

280   Continuous Influence-based Community Partition for Social Networks. **2021**, 1-1   3

279   Influence Circle Covering in Large-Scale Social Networks: A Shift Approach. **2021**, 9, 146110-146122

278   Recursive Merged Community Detection Algorithm Based on Node Cluster. **2021**, 289-302

277   Literature Review. **2021**, 7-25

| 258 | Influence maximization based on community structure and second-hop neighborhoods. 1 | 0 |

| 257 | Community Deception in Networks: Where We Are and Where We Should Go. **2022**, 144-155 | 1 |

| 256 | Scalable distributed Louvain algorithm for community detection in large graphs. 1 | 0 |

| 255 | Generalised popularity-similarity optimisation model for growing hyperbolic networks beyond two dimensions.. **2022**, 12, 968 | 0 |

| 254 | Assessing the impact of the density and sparsity of the network on community detection using a Gaussian mixture random partition graph generator.. **2022**, 14, 1-12 | |

| 253 | Tourists Profiling by Interest Analysis. **2022**, 42-53 | |

| 252 | #fridaysforfuture What does Instagram tell us about a social movement?. 016555152110636 | 1 |

| 251 | Label propagation algorithm for community detection based on Coulomb law. **2022**, 593, 126881 | 2 |

| 250 | Community detection via network node vector label propagation. **2022**, 593, 126931 | 0 |

| 249 | Social Network Community-Discovery Algorithm Based on a Balance Factor. **2022**, 2022, 1-11 | 0 |

| 248 | Overlapping community detection in complex networks using fuzzy theory, balanced link density, and label propagation. | |

| 247 | An Iterative Neighborhood Local Search Algorithm for Capacitated Centered Clustering Problem. **2022**, 10, 34497-34510 | |

| 246 | A Neighbour-Similarity Based Community Discovery Algorithm. | 1 |

| 245 | Functional Characterization of Transcriptional Regulatory Networks of Yeast Species. **2022**, 140-154 | |

| 244 | A Multi-Label Propagation Algorithm With the Double-Layer Filtering Strategy for Overlapping Community Detection. **2022**, 10, 33037-33047 | 0 |

| 243 | A Fuzzy Profit Maximization Model using Communities Viable Leaders for Information Diffusion in Dynamic Drivers Collaboration Networks. **2022**, 1-1 | 1 |

| 242 | Geographical network model for COVID-19 spread among dynamic epidemic regions.. **2022**, 19, 4237-4259 | 0 |

| 241 | OUP accepted manuscript. | |

222   CDGE A Community Detection Algorithm Based On Graph Embedding. **2021**,

221   Identification of Gene Modules and Key Genes Associated with Atrial Fibrillation Based on Gene Co-expression Network Analysis. **2021**,

220   Constant community identification in million scale networks using image thresholding algorithms. **2021**,   0

219   Interaction Communities in Blockchain Online Social Media. **2021**,   0

218   A Grey Wolf Optimization Algorithm with Triangular Community and Crossover Operator for Community Discovery. **2021**,

217   Motif-based embedding label propagation algorithm for community detection. **2022**, 37, 1880-1902   2

216   Multiscale and extended retrieval of associative memory structures in a cortical model of local-global inhibition balance.

215   Gap-com: general model selection criterion for sparse undirected gene networks with nontrivial community structure.. **2021**,

214   The modularity of random graphs on the hyperbolic plane. **2021**, 10,   2

213   Overlapping Community Detection Based on Node Importance and Adjacency Information. **2021**, 2021, 1-17   3

212   Incremental methods for community detection in both fully and growing dynamic networks. **2021**, 13, 220-250   1

211   PASCAL-G: a Probabilistic Stream Clustering Analysis on Graphs. **2021**,

210   The evolution of niche: variety in knowledge networks in the global music industry. **2022**, 29, 425-462

209   SynLethDB 2.0: A web-based knowledge graph database on synthetic lethality for novel anticancer drug discovery.

208   Spatial compartmentalization: A nonlethal predator mechanism to reduce parasite transmission between prey species.. **2021**, 7, eabj5944   1

207   Edge intelligence-enabled dynamic overlapping community discovery and evolution prediction in social media data streams.   0

206   Community Detection Based on Density Peak Clustering Model and Multiple Attribute Decision-Making Strategy TOPSIS. **2021**, 2021, 1-18   2

205   A Graph Database Supported GA-Based Approach to Social Network Analysis. **2021**,   1

204   Network Analysis of Microarray Data.. **2022**, 2401, 161-186   2

203   LDA-LPA: A Community Detection Method Based on Topic Model. **2021**,

202   An Overlapping Community Detection Algorithm based on Density Peaks and Label Propagation. **2021**,

201   Semi-supervised Multi-Label Feature Selection Using Hessian Energy based on Maximum Relevance and Minimum Redundancy. **2021**,

200   Research on Dynamic Community Detection Method Based on an Improved Pity Beetle Algorithm. **2022**, 1-1   1

199   A clustering-based topic model using word networks and word embeddings. **2022**, 9,   0

198   Enhanced density peak-based community detection algorithm. 1   0

197   Clustering as a dual problem to colouring. **2022**, 41, 1

196   NodeSim: node similarity based network embedding for diverse link prediction. **2022**, 11,   2

195   A complex network community detection algorithm based on random walk and label propagation.

194   Table_1.XLSX. **2019**,

193   Table_1.DOCX. **2019**,

192   Table_4.xlsx. **2019**,

191   DataSheet_1.docx. **2019**,

190   Graph Neural Network Encoding for Community Detection in Attribute Networks. **2021**, PP,   2

189   Community Detection Based on Fish School Effect. **2022**, 10, 48523-48538   0

188   Improved Density Peaking Algorithm for Community Detection Based on Graph Representation Learning. **2022**, 43, 997-1008

187   A high-performance algorithm for finding influential nodes in large-scale social networks.

186   Graph Neural Networks Beyond Compromise Between Attribute and Topology. **2022**,   0

185   Effective Messaging on Social Media: What Makes Online Content Go Viral?. **2022**,

184   Identification of Two Exosomal miRNAs in Circulating Blood of Cancer Patients by Using Integrative Transcriptome and Network Analysis. **2022**, 8, 33

183   A Multi-label Propagation Algorithm for Community Detection Based on Average Mutual Information. **2022**, 2022, 1-16   0

182   How the decision to accept or reject PV affects the behaviour of residential battery system adopters. **2022**, 318, 119194   1

181   The role of influential nodes and their influence domain in community detection: An approximate method for maximizing modularity. **2022**, 202, 117452   0

180   Influence-Based Community Partition With Sandwich Method for Social Networks. **2022**, 1-12   1

179   Label Propagation Community Detection Algorithm Based on Density Peak Optimization. **2022**, 2022, 1-12

178   SpecRp: A spectral-based community embedding algorithm. **2022**, 100326

177   A node label overlapping community division algorithm based on entropy conversion. **2022**,

176   Emergent entanglement structures and self-similarity in quantum spin chains. **2022**, 380,

175   SSPCO: A new particle propagation model for community detection in complex network.   0

174   Multiscale and extended retrieval of associative memory structures in a cortical model of local-global inhibition balance. ENEURO.0023-22.2022

173   A Supervised Learning Community Detection Method Based on Attachment Graph Model. **2022**, 371-386   0

172   Data science for modeling disease interactions: a baseline algorithm. **2022**, 351, 01028

171   Network Representation Learning With Community Awareness and Its Applications in Brain Networks. **2022**, 13,

170   A network analysis to identify lung cancer comorbid diseases. **2022**, 7,

169   Online Decision-Making of Parallel Restoration Strategy for Power Systems Based on Susceptible-Infected-Recovered Model. **2022**, 2022, 1-14

150   Constant community identification in million-scale networks. **2022**, 12,

149   A review of clique-based overlapping community detection algorithms.

148   Community Detection in Feature-Rich Networks Using Data Recovery Approach.   o

147   MFF-Net: A multi-feature fusion network for community detection in complex network. **2022**, 109408   o

146   Construction Grammar Conceptual Network: Coordination-based graph method for semantic association analysis. 1-31   o

145   Link Pruning for Community Detection in Social Networks. **2022**, 12, 6811

144   Automated Hashtag Hierarchy Generation Using Community Detection and the Shannon Diversity Index, with Applications to Twitter and Parler.

143   RELISON: A Framework for Link Recommendation in Social Networks. **2022**,

142   A graph based approach for mining significant places in trajectory data. **2022**,   1

141   Buffered Streaming Graph Partitioning.

140   Knowledge graph construction for product designs from large CAD model repositories. **2022**, 53, 101680   o

139   A label propagation-based method for community detection in directed signed social networks. **2022**, 604, 127875

138   The dial-a-ride problem with private fleet and common carrier. **2022**, 147, 105933

137   Managing communities in decentralised social environments.

136   A Stable Community Detection Approach for Large-Scale Complex Networks Based on Improved Label Propagation Algorithm. **2022**, 288-303

135   Comparing Semantic Representation Methods of Keywords in Bibliometric Analysis.

134   Deterministic Parallel Hypergraph Partitioning. **2022**, 301-316

133   ClusterCommit: A Just-in-Time Defect Prediction Approach Using Clusters of Projects. **2022**,

132   Out-of-Core Edge Partitioning at Linear Run-Time. **2022**,   2

131   A multiobjective optimization whale optimization based community detection algorithm. **2022**,

130   Efficient Computation of Cohesive Subgraphs in Uncertain Bipartite Graphs. **2022**,   0

129   Hierarchical Core Decomposition in Parallel: From Construction to Subgraph Search. **2022**,

128   A Dense Network Community Discovery Algorithm Based on Label Propagation. **2022**,

127   A Reinforcement Approach for Detecting P2P Botnet Communities in Dynamic Communication
       Graphs. **2022**,

126   Graph Embedding Based on Feature Propagation for Community Detection. **2022**,

125   Implementation of GraphFrames-Based Parallelized Label Propagation Algorithm in Clusters. **2022**,

124   Sosyal Ağlarda Topluluk ve Konu Tespiti: Bir Sistematik Literatür Taraması. **2022**, 15, 317-329

123   Bow-tie structures of twitter discursive communities. **2022**, 12,   1

122   Contact Tracing Research: A Literature Review Based on Scientific Collaboration Network. **2022**, 19, 9311   0

121   Genome-wide characterization of the common bean kinome: catalog and insights into expression
       patterns and genetic organization.   0

120   Application of CCTV Methodology to Analyze COVID-19 Evolution in Italy. **2022**, 11, 33   0

119   Self-Configured Framework for scalable link prediction in twitter: Towards autonomous spark
       framework. **2022**, 109713

118   Application Analysis of Overlapping Community Detection Algorithms for Multidimensional
       Network Big Data and IoT. **2022**, 2022, 1-9

117   Community hiding using a graph autoencoder. **2022**, 253, 109495   0

116   Social media analysis by innovative hybrid algorithms with label propagation. **2022**, 210, 118606

115   Community detection in weighted networks using probabilistic generative model.   0

| 114 | MHDMF: Prediction of miRNAdisease associations based on Deep Matrix Factorization with Multi-source Graph Convolutional Network. **2022**, 149, 106069 | 0 |

| 113 | EGC: A novel event-oriented graph clustering framework for social media text. **2022**, 59, 103059 | 1 |

| 112 | Local Intrinsic Density Based Community Detection Using Branch-and-Bound and Minimum Spanning Tree. **2022**, 4, 200044 | 0 |

| 111 | Multi-objective Social Network Detection - A Graph Database Supported NSGA-II Based Approach. **2022**, 21-33 | 0 |

| 110 | Graph Regularized Nonnegative Matrix Factorization for Community Detection in Attributed Networks. **2022**, 1-14 | 8 |

| 109 | Federated Multi-label Propagation Based on Neighbor Node Influence for Community Detection on Attributed Networks. **2022**, 484-498 | 0 |

| 108 | A FAST OVERLAPPING COMMUNITY DETECTION ALGORITHM BASED ON LABEL PROPAGATION AND SOCIAL NETWORK GRAPH CLUSTERING COEFFICIENT. **2022**, 38, 31-46 | 0 |

| 107 | An online reviews-driven large-scale group decision making approach for evaluating user satisfaction of sharing accommodation. **2023**, 213, 118875 | 4 |

| 106 | Images Segmentation Based on Cutting the Graph into Communities. **2022**, 15, 312 | 0 |

| 105 | Analysis of pollutants transport in heavy air pollution processes using a new complex-network-based model. **2022**, 119395 | 0 |

| 104 | Social media behavior is associated with vaccine hesitancy. | 0 |

| 103 | Assessment of Discrete BAT-Modified (DBAT-M) Optimization Algorithm for Community Detection in Complex Network. | 1 |

| 102 | Which courses to choose? recommending courses to groups of students in online tutoring platforms. | 1 |

| 101 | Graph neural network inspired algorithm for unsupervised network community detection. **2022**, 7, | 0 |

| 100 | The Cryptocurrency Market in Transition before and after COVID-19: An Opportunity for Investors?. **2022**, 24, 1317 | 3 |

| 99 | On The Reduction of Instability of Label Propagation Algorithm. | 0 |

| 98 | A subgraphs-density based overlapping community detection algorithm for large-scale complex networks. | 0 |

| 97 | Community Detection on Proximity Networks. **2023**, 33-47 | 0 |

114

96	Community detection in networks by dynamical optimal transport formulation. **2022**, 12,	0
95	Arena3Dweb: Interactive 3D visualization of multilayered networks supporting multiple directional information channels, clustering analysis and application integration.	0
94	Computational systems biology in disease modeling and control, review and perspectives. **2022**, 8,	1
93	Hiding Ourselves from Community Detection through Genetic Algorithms. **2022**,	0
92	Community Detection Algorithm Based on Node Correlation and Modularity. **2022**, 612-621	0
91	End-to-end Modularity-based Community Co-partition in Bipartite Networks. **2022**,	0
90	An Improved Gray Wolf Optimization Algorithm with a Novel Initialization Method for Community Detection. **2022**, 10, 3805	0
89	A geo-location and trust-based framework with community detection algorithms to filter attackers in 5G social networks.	1
88	Direction-Optimizing Label Propagation Framework for Structure Detection in Graphs: Design, Implementation, and Experimental Analysis.	0
87	Collaborative Team Recognition: A Core Plus Extension Structure. **2022**, 16, 101346	0
86	Composition, structure and robustness of Lichen guilds.	0
85	Community Structure Enhanced Community Detection Algorithm Based on Graph Compression. **2022**,	0
84	Detecting Community Structure in Financial Markets Using the Bat Optimization Algorithm. **2022**, 13, 1-21	1
83	Community detection algorithms for recommendation systems: techniques and metrics.	0
82	Analysis of functional connectivity using machine learning and deep learning in multimodal data from patients with schizophrenia.	0
81	TNM-LPA: An Improved Label Propagation Algorithm Based on Three-nodes Motif Mining. **2022**,	0
80	Network community detection and clustering with random walks. **2022**, 4,	0
79	Overlapping community detection with adaptive density peaks clustering and iterative partition strategy. **2023**, 213, 119213	0

| 78 | A Community Detection Algorithm Fusing Node Similarity and Label Propagation. **2022**, 94-107 | 0 |

| 77 | Exploring the topological characteristics of urban trip networks based on taxi trajectory data. **2023**, 609, 128391 | 0 |

| 76 | DSCPL: A Deep Cloud Manufacturing Service Clustering Method Using Pseudo-Labels. **2023**, 31, 100415 | 0 |

| 75 | Overlapping community detection on complex networks with Graph Convolutional Networks. **2023**, 199, 62-71 | 0 |

| 74 | An enhanced multi-objective biogeography-based optimization for overlapping community detection in social networks with node attributes. **2023**, 622, 903-929 | 0 |

| 73 | Genome-wide characterization of the common bean kinome: Catalog and insights into expression patterns and genetic organization. **2023**, 855, 147127 | 0 |

| 72 | On The Role of Community Structure in Evolution of Opinion Formation: A New Bounded Confidence Opinion Dynamics. **2023**, 621, 672-690 | 2 |

| 71 | Community Structure in the Boards Network of Enterprises on Polish Capital Market. **2015**, 62, 183-197 | 0 |

| 70 | Detecting obstacles to collaboration in an online participatory democracy platform. **2022**, | 0 |

| 69 | More Recent Advances in (Hyper)Graph Partitioning. | 0 |

| 68 | Hybridizing graph-based Gaussian mixture model with machine learning for classification of fraudulent transactions. **2022**, 38, 2134-2160 | 0 |

| 67 | Towards explainable community finding. **2022**, 7, | 0 |

| 66 | LPA_SN:Label propagation algorithm based on the seed node in complex networks. | 0 |

| 65 | Community structure detection in networks based on Tabu search. 1-11 | 0 |

| 64 | An approach to prevent weight manipulation by minimum adjustment and maximum entropy method in social network group decision making. | 0 |

| 63 | Application of machine learning and complex network measures to an EEG dataset from ayahuasca experiments. **2022**, 17, e0277257 | 0 |

| 62 | IMDCS:influence maximization with type-diversity by leveraging community structure. | 0 |

| 61 | Density and node closeness based clustering method for community detection. **2022**, 1-14 | 0 |

60 Evaluation of Community Detection by Improving Influence Nodes in Complex Networks Using InfoMap with Sigmoid Fish Swarm Optimization Algorithm. **2022**, 11,   0

59 Autonomous acquisition of arbitrarily complex skills using locality based graph theoretic features: a syntactic approach to hierarchical reinforcement learning.   0

58 Building Differential Co-expression Networks with Variable Selection and Regularization. **2023**, 277-288   0

57 The Ties that Matter: From the Perspective of Similarity Measure in Online Social Networks. **2023**, 647-658   0

56 Community detection in large-scale real-world networks. **2021**,   0

55 New Algorithms for a Simple Measure of Network Partitioning. **2022**, 67-78   0

54 An improved label propagation algorithm based on community core node and label importance for community detection in sparse network.   0

53 Time-topology analysis on temporal graphs.   0

52 Introgressive Descent and Hypersexuality Drive The Evolution Of Sexual Parasitism and Morphological Reduction In a Fungal Species Complex.   0

51 Research on multi-label user classification of social media based on ML-KNN algorithm. **2023**, 188, 122271   0

50 Achieving Scalability and Load Balance across Blockchain Shards for State Sharding. **2022**,   0

49 Predicting of microbe-drug associations via a pre-completion-based label propagation algorithm. **2022**,   0

48 Extending APAL to Detect Overlapping Communities in Weighted Networks. **2022**,   0

47 A Structure Identification Method for Urban Agglomeration Based on Nighttime Light Data and Railway Data. **2023**, 15, 216   0

46 Nonnegative Matrix Factorization Based on Node Centrality for Community Detection.   0

45 Towards Direct Comparison of Community Structures in Social Networks. **2022**,   0

44 Overlapping community-based particle swarm optimization algorithm for influence maximization in social networks.   0

43 Cohesion and segregation in the value migration network: Evidence from network partitioning based on sector classification and clustering. **2023**, 13,   0

42	Local community detection based on influence maximization in dynamic networks.	0
41	TSPA: Efficient Target-Stance Detection on Twitter. **2022**,	0
40	Comparative Analysis of Protein Complex Identification Methods Using Topological and Biological Information. **2022**,	0
39	A Four-Stage Algorithm for Community Detection Based on Label Propagation and Game Theory in Social Networks. **2023**, 4, 255-269	0
38	stRainy: assembly-based metagenomic strain phasing using long reads.	0
37	MultiSimNeNc: A network representation learning-based module identification method by network embedding and clustering. **2023**, 156, 106703	0
36	Semi-supervised sentiment clustering on natural language texts.	0
35	New algorithms for a simple measure of network partitioning. **2023**, 957, 113846	0
34	Large-scale community detection based on core node and layer-by-layer label propagation. **2023**, 632, 1-18	0
33	Community Splitter: A Network Embedding Method for Predicting Missing Links. **2022**,	0
32	A graph convolutional fusion model for community detection in multiplex networks.	0
31	A novel network core structure extraction algorithm utilized variational autoencoder for community detection. **2023**, 222, 119775	0
30	Extracting Characteristic Areas Based on Topic Distribution over Proximity Tree. **2022**, 109-120	0
29	A Self-adaptive Two-Stage Local Expansion Algorithm for ́Community Detection on ́Complex Networks. **2022**, 215-230	0
28	OLPGP: An Optimized Label Propagation-Based Distributed Graph Partitioning Algorithm. **2022**, 120-133	0
27	Detecting Group Behavior for Anti-Money Laundering With Incomplete Network Information. **2022**,	0
26	CC-GNN: A Community and Contraction-based Graph Neural Network. **2022**,	0
25	Community detection in multi-relational directional networks. **2023**, 67, 101962	0

24	A local community detection algorithm based on potential community exploration. 11,	0
23	HNRNPA2B1 as a potential therapeutic target for thymic epithelial tumor recurrence: An integrative network analysis. **2023**, 155, 106665	0
22	A graph-powered large-scale fraud detection system.	0
21	Large network community detection by fast label propagation. **2023**, 13,	0
20	Community Detection in Large and Complex Networks Using Semi-Local Similarity Measure. **2023**, 81-98	0
19	Composition, structure and robustness of Lichen guilds. **2023**, 13,	0
18	Determining the Quality of a Dataset in Clustering Terms. **2023**, 13, 2942	0
17	Detecting Communities in Complex Networks Using an Adaptive Genetic Algorithm and Node Similarity-Based Encoding. **2023**, 2023, 1-22	0
16	Probabilistic Community Detection in Social Networks. **2023**, 11, 25629-25641	0
15	Stochastic Processes Drive the Assembly and Metabolite Profiles of Keystone Taxa during Chinese Strong-Flavor Baijiu Fermentation. **2023**, 11,	0
14	Community Detection Algorithms in Healthcare Applications: A Systematic Review. **2023**, 11, 30247-30272	0
13	A Constrained Louvain Algorithm with a Novel Modularity. **2023**, 13, 4045	0
12	Clustering scRNA-seq data via qualitative and quantitative analysis.	0
11	Visit Planner: A Personalized Mobile Trip Design Application based on a Hybrid Recommendation Model.	0
10	DC-GAN with Feature Attention for Single Image Dehazing.	0
9	Community Structure in Transcriptional Regulatory Networks of Yeast Species. **2023**, 38-49	0
8	Nature vs. Nurture in Science: The Effect of Researchers Segregation on Papers Citation Histories. **2023**, 141-154	0
7	Community Detection at scale. **2022**,	0

6	A community discovery algorithm based on local extension of high-order triangle. **2023**,	0
5	clusterMaker2: a major update to clusterMaker, a multi-algorithm clustering app for Cytoscape. **2023**, 24,	0
4	Accuracy and Privacy Evaluation of detected communities using Attributed-Based Label Propagation Method. **2023**,	0
3	LazyFox: fast and parallelized overlapping community detection in large graphs. 9, e1291	0
2	A Collaborative Filtering Recommendation Algorithm Based on Community Detection and Graph Neural Network.	0
1	Overlapping community detection algorithm based on similarity of node relationship.	0