

CITATION REPORT

List of articles citing

Finding and evaluating community structure in networks

DOI: 10.1103/physreve.69.026113
Physical Review E, 2004, 69, 026113.

Source: <https://exaly.com/paper-pdf/36953621/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2264	Locality in quantum and Markov dynamics on lattices and networks. 2004 , 93, 140402		103
2263	Modularity from fluctuations in random graphs and complex networks. <i>Physical Review E</i> , 2004 , 70, 025104	2.4	550
2262	L-percolations of complex networks. <i>Physical Review E</i> , 2004 , 70, 056106	2.4	12
2261	Networking the seceder model: Group formation in social and economic systems. <i>Physical Review E</i> , 2004 , 70, 036108	2.4	38
2260	Identifying the role that animals play in their social networks. 2004 , 271 Suppl 6, S477-81		430
2259	Detecting community structure in networks. 2004 , 38, 321-330		1144
2258	Interactive Visualization of Small World Graphs.		73
2257	Analysis of weighted networks. <i>Physical Review E</i> , 2004 , 70, 056131	2.4	1327
2256	Detecting network communities: a new systematic and efficient algorithm. 2004 , 2004, P10012		270
2255	The New Science of Networks. 2004 , 30, 243-270		639
2254	The hierarchical backbone of complex networks. 2004 , 93, 098702		52
2253	Finding community structure in very large networks. <i>Physical Review E</i> , 2004 , 70, 066111	2.4	3679
2252	Fast algorithm for detecting community structure in networks. <i>Physical Review E</i> , 2004 , 69, 066133	2.4	2811
2251	The large-scale organization of chemical reaction networks in astrophysics. 2004 , 68, 170-176		37
2250	Local Clustering of Large Graphs by Approximate Fiedler Vectors. 2005 , 524-533		6
2249	Detection of community structures in networks via global optimization. 2005 , 358, 593-604		119
2248	Diffusion and networks: A powerful combination!. 2005 , 357, 317-330		29

2247	Noisy scale-free networks. 2005 , 350, 622-642		9
2246	A measure of betweenness centrality based on random walks. 2005 , 27, 39-54		1324
2245	Modeling cascading failures in the North American power grid. 2005 , 46, 101-107		417
2244	Evolving network simulation study. 2005 , 48, 547-555		11
2243	Cartography of complex networks: modules and universal roles. 2005 , 2005, nihpa35573		365
2242	Functional cartography of complex metabolic networks. 2005 , 433, 895-900		2293
2241	The use of edge-betweenness clustering to investigate biological function in protein interaction networks. 2005 , 6, 39		135
2240	. 2005 , 38, 61-68		126
2239	Edge-count probabilities for the identification of local protein communities and their organization. 2006 , 62, 800-18		24
2238	Identifying communities within energy landscapes. <i>Physical Review E</i> , 2005 , 71, 046101	2.4	99
2237	Community detection in complex networks using extremal optimization. <i>Physical Review E</i> , 2005 , 72, 027104	2.4	1002
2236	Functional modularity in a large-scale mammalian molecular interaction network.		
2235	Spontaneous evolution of modularity and network motifs. 2005 , 102, 13773-8		591
2234	Uncovering collective listening habits and music genres in bipartite networks. <i>Physical Review E</i> , 2005 , 72, 066107	2.4	87
2233	Modular synchronization in complex networks. <i>Physical Review E</i> , 2005 , 72, 047101	2.4	109
2232	Local modularity measure for network clusterizations. <i>Physical Review E</i> , 2005 , 72, 056107	2.4	87
2231	Local method for detecting communities. <i>Physical Review E</i> , 2005 , 72, 046108	2.4	181
2230	Finding local community structure in networks. <i>Physical Review E</i> , 2005 , 72, 026132	2.4	459

2229	Statistical-mechanical iterative algorithms on complex networks. <i>Physical Review E</i> , 2005 , 72, 046135	2.4	4
2228	Self-similar disk packings as model spatial scale-free networks. <i>Physical Review E</i> , 2005 , 71, 016128	2.4	121
2227	Anomalous transport in scale-free networks. 2005 , 94, 248701		82
2226	Flexible construction of hierarchical scale-free networks with general exponent. <i>Physical Review E</i> , 2005 , 71, 036132	2.4	12
2225	Local Flow Betweenness Centrality for Clustering Community Graphs. 2005 , 531-544		3
2224	A NETWORK-BASED THRESHOLD MODEL FOR THE SPREADING OF FADS IN SOCIETY AND MARKETS. 2005 , 08, 261-273		17
2223	Epidemic spreading in community networks. 2005 , 72, 315-321		169
2222	An Efficient Approach to Detect a Protein Community from a Seed. 2005 ,		10
2221	A Comparative Study of Algorithms for Finding Web Communities. 2005 ,		3
2220	The worldwide air transportation network: Anomalous centrality, community structure, and cities' global roles. 2005 , 102, 7794-9		1145
2219	Comparing community structure identification. 2005 , 2005, P09008-P09008		1448
2218	Computing Communities in Large Networks Using Random Walks. 2005 , 284-293		640
2217	A Scalable Distributed Parallel Breadth-First Search Algorithm on BlueGene/L.		121
2216	Information-theoretic approach to network modularity. <i>Physical Review E</i> , 2005 , 71, 046117	2.4	62
2215	Getting to synaptic complexes through systems biology. 2006 , 7, 214		5
2214	The proteomes of neurotransmitter receptor complexes form modular networks with distributed functionality underlying plasticity and behaviour. 2006 , 2, 2006.0023		94
2213	Network community structure and loop coefficient method. <i>Physical Review E</i> , 2006 , 74, 016105	2.4	17
2212	Behavior of Growing Scale-Free Networks in Complex Systems. 2006 , 271-279		

2211	Efficient routing on complex networks. <i>Physical Review E</i> , 2006 , 73, 046108	2.4	443
2210	Complex networks and social network analysis in information fusion. 2006 ,		6
2209	The effect of size heterogeneity on community identification in complex networks. 2006 , 2006, P11010-P11010	4.4	
2208	How Clustering Enterprise Architectures helps to Design Service Oriented Architectures. 2006 ,		7
2207	Modeling hierarchical and modular complex networks based on FCM.		
2206	Mining System for Community Finding and Centrality of Virtual User Network on the Internet. 2006		1
2205	The Geodesic broadcast scheme for wireless ad hoc networks.		4
2204	Synchronization reveals topological scales in complex networks. 2006 , 96, 114102		590
2203	Comparison and validation of community structures in complex networks. 2006 , 367, 559-576		40
2202	Finding community structure in networks using the eigenvectors of matrices. <i>Physical Review E</i> , 2006 , 74, 036104	2.4	2620
2201	Network Kriging. 2006 , 24, 2263-2272		45
2200	In silico evolution of functional modules in biochemical networks. 2006 , 153, 223-35		59
2199	Statistical mechanics of community detection. <i>Physical Review E</i> , 2006 , 74, 016110	2.4	1038
2198	An algorithm for modularity analysis of directed and weighted biological networks based on edge-betweenness centrality. 2006 , 22, 3106-8		163
2197	A Quality Measure for Multi-Level Community Structure. 2006 ,		1
2196	Improving Functional Modularity in Protein-Protein Interactions Graphs Using Hub-Induced Subgraphs. 2006 , 371-382		26
2195	Network-based predictions of retail store commercial categories and optimal locations. <i>Physical Review E</i> , 2006 , 74, 035101	2.4	61
2194	Erratum: Scientific collaboration networks. II. Shortest paths, weighted networks, and centrality [Phys. Rev. E 64, 016132 (2001)]. <i>Physical Review E</i> , 2006 , 73,	2.4	12

2193	The real communication network behind the formal chart: Community structure in organizations. 2006 , 61, 653-667	28
2192	Reconstructing protein complexes: from proteomics to systems biology. 2006 , 6, 4724-31	16
2191	A congestion awareness routing strategy for scale-free networks with tunable clustering. 2006 , 364, 595-602	9
2190	Generating multi-scaling networks with two types of vertices. 2006 , 370, 863-868	3
2189	A model for social networks. 2006 , 371, 851-860	144
2188	Opinion dynamics and synchronization in a network of scientific collaborations. 2006 , 372, 316-325	39
2187	Structural and functional clusters of complex brain networks. 2006 , 224, 202-212	106
2186	When are networks truly modular?. 2006 , 224, 20-26	71
2185	Synchronization processes in complex networks. 2006 , 224, 27-34	114
2184	Scaling in small-world resistor networks. 2006 , 350, 324-330	34
2183	The analysis and dissimilarity comparison of community structure. 2006 , 367, 577-585	18
2182	A topological analysis of scientific coauthorship networks. 2006 , 372, 333-339	23
2181	The backbone of a city. 2006 , 50, 221-225	60
2180	Random field Ising model and community structure in complex networks. 2006 , 50, 431-437	35
2179	Modeling network growth with assortative mixing. 2006 , 50, 617-630	12
2178	Hierarchical modularity of nested bow-ties in metabolic networks. 2006 , 7, 386	85
2177	Detecting Functional Modules from Protein Interaction Networks. 2006 ,	
2176	Notes on the Algorithm for Calculating Betweenness. 2006 , 23, 2327-2329	21

2175	Finding mesoscopic communities in sparse networks. 2006 , 9, p09014		10
2174	Cluster Ranking with an Application to Mining Mailbox Networks. 2006 ,		11
2173	The effect of social interactions in the primary consumption life cycle of motion pictures. 2006 , 8, 52-52		8
2172	Discovering communities in complex networks. 2006 ,		21
2171	Nonadditive Volume and Community Detection Problem in Complex Networks. 2006 , 75, 115001		2
2170	The chasms of CSCW. 2006 ,		20
2169	Protein homology network families reveal step-wise diversification of Type III and Type IV secretion systems. 2006 , 2, e173		43
2168	Optimal network topologies: expanders, cages, Ramanujan graphs, entangled networks and all that. 2006 , 2006, P08007-P08007		76
2167	Cascade and breakdown in scale-free networks with community structure. <i>Physical Review E</i> , 2006 , 74, 066111	2.4	70
2166	Modularity and community structure in networks. 2006 , 103, 8577-82		6503
2165	Detecting communities using bibliographic metrics.		
2164	Community detection as an inference problem. <i>Physical Review E</i> , 2006 , 74, 035102	2.4	112
2163	Evolution of a social network: the role of cultural diversity. <i>Physical Review E</i> , 2006 , 73, 016135	2.4	22
2162	Network of epicenters of the Olami-Feder-Christensen model of earthquakes. <i>Physical Review E</i> , 2006 , 74, 016126	2.4	13
2161	Hierarchical organization unveiled by functional connectivity in complex brain networks. 2006 , 97, 238103		361
2160	Clustering algorithm for determining community structure in large networks. <i>Physical Review E</i> , 2006 , 74, 016107	2.4	77
2159	Challenges for Modeling and Simulation Methods in Systems Biology. 2006 ,		11
2158	CASCADES IN SMALL-WORLD MODULAR NETWORKS WITH CML'S METHOD. 2007 , 21, 2055-2062		9

2157	LIMITED RESOLUTION AND MULTIREOLUTION METHODS IN COMPLEX NETWORK COMMUNITY DETECTION. 2007 , 07, L209-L214	29
2156	Email Community Detection Using Artificial Ant Colony Clustering. 2007 , 287-298	7
2155	FAST COMMUNITY IDENTIFICATION BY HIERARCHICAL GROWTH. 2007 , 18, 937-947	6
2154	MODELING THE CO-OCCURRENCE PRINCIPLES OF THE CONSONANT INVENTORIES: A COMPLEX NETWORK APPROACH. 2007 , 18, 281-295	9
2153	Exploration of Link Structure and Community-Based Node Roles in Network Analysis. 2007 ,	25
2152	. 2007 ,	4
2151	. 2007 ,	
2150	The effects of degree correlations on network topologies and robustness. 2007 , 16, 3571-3580	14
2149	Graph-based identification of cancer signaling pathways from published gene expression signatures using PubLiME. 2007 , 35, 2343-55	15
2148	SOCIAL DILEMMAS AND COOPERATION IN COMPLEX NETWORKS. 2007 , 18, 1173-1185	106
2147	A spectral clustering approach to optimally combining numerical vectors with a modular network. 2007 ,	41
2146	Bottleneck genes and community structure in the cell cycle network of <i>S. pombe</i> . 2007 , 3, e103	21
2145	Joint cluster analysis of attribute and relationship data without a priori specification of the number of clusters. 2007 ,	19
2144	Flux profile and modularity analysis of time-dependent metabolic changes of de novo adipocyte formation. 2007 , 292, E1637-46	30
2143	In search of the biological significance of modular structures in protein networks. 2007 , 3, e107	84
2142	Evolutionary models for formation of network motifs and modularity in the <i>Saccharomyces</i> transcription factor network. 2007 , 3, 1993-2002	33
2141	The modular organization of domain structures: insights into protein-protein binding. 2007 , 3, e239	21
2140	Network growth approach to macroevolution. 2007 , 9, 220-220	2

2139	Structure-function relationship in complex brain networks expressed by hierarchical synchronization. 2007 , 9, 178-178		116
2138	Dynamical and spectral properties of complex networks. 2007 , 9, 187-187		70
2137	Document clustering using small world communities. 2007 ,		5
2136	Clustering of sparse data via network communities—prototype study of a large online market. 2007 , 2007, P06016-P06016		18
2135	Anomalous lifetime distributions and topological traps in ordering dynamics. 2007 , 79, 66006		34
2134	A measure of centrality based on network efficiency. 2007 , 9, 188-188		200
2133	Modular effects on epidemic dynamics in small-world networks. 2007 , 79, 38002		13
2132	Node roles and community structure in networks. 2007 ,		51
2131	Diffusion processes on small-world networks with distance dependent random links. 2007 , 2007, P08014-P08014		14
2130	Modular Epidemic Spreading in Small-World Networks. 2007 , 24, 1114-1117		3
2129	Augmented Support for Knowledge Sharing by Academic Conferences- On-line Conferencing BA. 2007 ,		5
2128	An ensemble framework for clustering protein-protein interaction networks. 2007 , 23, i29-40		130
2127	Multiscale vulnerability of complex networks. 2007 , 17, 043110		53
2126	Empirical analysis of the ship-transport network of China. 2007 , 17, 023129		26
2125	An Efficient Spectral Algorithm for Network Community Discovery and Its Applications to Biological and Social Networks. 2007 ,		71
2124	Error and attack tolerance of layered complex networks. <i>Physical Review E</i> , 2007 , 76, 026103	2.4	58
2123	Partitioning and modularity of graphs with arbitrary degree distribution. <i>Physical Review E</i> , 2007 , 76, 015102	2.4	49
2122	Graph animals, subgraph sampling, and motif search in large networks. <i>Physical Review E</i> , 2007 , 76, 036107	2.4	12

2121	Fast algorithm for successive computation of group betweenness centrality. <i>Physical Review E</i> , 2007 , 76, 056709	2.4	35
2120	Tag Meaning Disambiguation through Analysis of Tripartite Structure of Folksonomies. 2007 ,		12
2119	Module identification in bipartite and directed networks. <i>Physical Review E</i> , 2007 , 76, 036102	2.4	269
2118	Modular networks emerge from multiconstraint optimization. <i>Physical Review E</i> , 2007 , 76, 045103	2.4	26
2117	Percolation theory applied to measures of fragmentation in social networks. <i>Physical Review E</i> , 2007 , 75, 046107	2.4	25
2116	Collective synchronization induced by epidemic dynamics on complex networks with communities. <i>Physical Review E</i> , 2007 , 75, 016108	2.4	88
2115	Uncovering fuzzy community structure in complex networks. <i>Physical Review E</i> , 2007 , 76, 046103	2.4	89
2114	Unveiling community structures in weighted networks. <i>Physical Review E</i> , 2007 , 76, 036101	2.4	27
2113	Griffiths singularities and algebraic order in the exact solution of an Ising model on a fractal modular network. <i>Physical Review E</i> , 2007 , 75, 061104	2.4	33
2112	Approximating the largest eigenvalue of network adjacency matrices. <i>Physical Review E</i> , 2007 , 76, 056112	2.4	99
2111	Emergence of communities in weighted networks. 2007 , 99, 228701		156
2110	Power-law strength-degree correlation from resource-allocation dynamics on weighted networks. <i>Physical Review E</i> , 2007 , 75, 021102	2.4	129
2109	The Community Structure of Information Content in Mobile Internet. 2007 ,		
2108	Autocorrection of Noise Text Based on Modularity Optimization. 2007 ,		
2107	How to become a superhero. 2007 , 2007, P09020-P09020		19
2106	Host community structure and the maintenance of pathogen diversity. 2007 , 274, 1715-21		20
2105	Annotating gene function by combining expression data with a modular gene network. 2007 , 23, i468-78		24
2104	Detecting and describing the modular structures of weighted networks. 2007 , 16, 2304-2309		5

2103	Modular decomposition of metabolic reaction networks based on flux analysis and pathway projection. 2007 , 23, 2433-40	19
2102	Identifying Functional Modules in Complex Networks. 2007 , 48, 957-960	
2101	An information-theoretic framework for resolving community structure in complex networks. 2007 , 104, 7327-31	492
2100	Modelling Human Cortical Network in Real Brain Space. 2007 , 24, 3582-3585	5
2099	Size reduction of complex networks preserving modularity. 2007 , 9, 176-176	191
2098	Natural clustering: the modularity approach. 2007 , 2007, L08001-L08001	8
2097	Course 8 Complex networks. 2007 , 309-342	
2096	Social Organization and Information Transfer in Schooling Fishes. 2007 , 166-185	15
2095	The Integrative Power of Civic Networks. 2007 , 113, 735-780	151
2094	A network-based method for target selection in metabolic networks. 2007 , 23, 1616-22	47
2093	Graph visualization techniques for web clustering engines. 2007 , 13, 294-304	51
2092	Visual Clustering of Complex Network Based on Nonlinear Dimension Reduction. 2006 , 555-560	
2091	Graph theory and networks in Biology. 2007 , 1, 89-119	231
2090	Checking the reliability of a linear-programming based approach towards detecting community structures in networks. 2007 , 1, 286-91	6
2089	A Divisive Hierarchical Structural Clustering Algorithm for Networks. 2007 ,	20
2088	Modular architecture of protein structures and allosteric communications: potential implications for signaling proteins and regulatory linkages. 2007 , 8, R92	75
2087	Modular organization in the reductive evolution of protein-protein interaction networks. 2007 , 8, R94	26
2086	A quantitative measure for path structures of complex networks. 2007 , 78, 48005	2

2085	Near linear time algorithm to detect community structures in large-scale networks. <i>Physical Review E</i> , 2007 , 76, 036106	2.4	1742
2084	Epidemic spreading in scale-free networks with community structure. 2007 , 2007, P01014-P01014		45
2083	Recommender System from Personal Social Networks. 2007 , 47-55		25
2082	Resume Mining of Communities in Social Network. 2007 ,		6
2081	Synchronization in weighted uncorrelated complex networks in a noisy environment: optimization and connections with transport efficiency. <i>Physical Review E</i> , 2007 , 75, 051121	2.4	56
2080	SCAN. 2007 ,		375
2079	Effects of the network structural properties on its controllability. 2007 , 17, 033101		66
2078	The infinitesimal operator for the semigroup of the Frobenius-Perron operator from image sequence data: vector fields and transport barriers from movies. 2007 , 17, 023126		5
2077	DENGRAPH: A Density-based Community Detection Algorithm. 2007 ,		35
2076	Blog Antenna: Summarization of Personal Blog Temporal Dynamics Based on Self-Similarity Factorization. 2007 ,		2
2075	. 2007 , 15, 1219-1229		4
2074	. 2007 ,		2
2073	A New Method for Identifying Detected Communities Based on Graph Substructure. 2007 ,		1
2072	Deduction of intracellular sub-systems from a topological description of the network. 2007 , 3, 523-9		7
2071	Communities detection and analysis of their dynamics in collaborative networks. 2007 ,		4
2070	Detecting complex network modularity by dynamical clustering. <i>Physical Review E</i> , 2007 , 75, 045102	2.4	149
2069	. 2007 ,		10
2068	Finding community structure in mega-scale social networks. 2007 ,		185

2067	Modularity and community detection in bipartite networks. <i>Physical Review E</i> , 2007 , 76, 066102	2.4	420
2066	Some Recent Attempts to Simulate the Heider Balance Problem. 2007 , 9, 80-85		14
2065	Recent network evolution increases the potential for large epidemics in the British cattle population. 2007 , 4, 669-74		74
2064	Disease dynamics over very different time-scales: foot-and-mouth disease and scrapie on the network of livestock movements in the UK. 2007 , 4, 907-16		117
2063	Consistent dissection of the protein interaction network by combining global and local metrics. 2007 , 8, R271		20
2062	On Finding Graph Clusterings with Maximum Modularity. 2007 , 121-132		76
2061	An Algorithm to Find Overlapping Community Structure in Networks. 2007 , 91-102		125
2060	Network science. 2007 , 41, 537-607		173
2059	Process flow diagram of an ammonia plant as a complex network. 2007 , 53, 423-428		31
2058	Citation Network of CVD Research: Research Topics and Journals. 2007 , 13, 523-525		3
2057	Exploration of distributed shared memory architectures for NoC-based multiprocessors. 2007 , 53, 719-732		19
2056	Graph clustering. 2007 , 1, 27-64		1135
2055	Identification of overlapping community structure in complex networks using fuzzy -means clustering. 2007 , 374, 483-490		356
2054	Weighted network properties of Chinese nature science basic research. 2007 , 377, 302-314		33
2053	Accuracy and precision of methods for community identification in weighted networks. 2007 , 377, 363-372		37
2052	Diffusion approach for community discovering within the complex networks: LiveJournal study. 2007 , 378, 550-560		5
2051	Dynamical behaviors of epidemics on scale-free networks with community structure. 2007 , 381, 491-496		20
2050	A very fast algorithm for detecting community structures in complex networks. 2007 , 384, 667-674		32

2049	A new community-based evolving network model. 2007 , 384, 725-732	21
2048	Community structure in the United States House of Representatives. 2007 , 386, 414-438	58
2047	Spectral bounds for the betweenness of a graph. 2007 , 423, 74-80	17
2046	Graph theoretical analysis of complex networks in the brain. 2007 , 1, 3	638
2045	Classes of complex networks defined by role-to-role connectivity profiles. 2007 , 3, 63-69	293
2044	Gene network interconnectedness and the generalized topological overlap measure. 2007 , 8, 22	395
2043	Modular co-evolution of metabolic networks. 2007 , 8, 311	47
2042	Mining and state-space modeling and verification of sub-networks from large-scale biomolecular networks. 2007 , 8, 324	3
2041	Identifying dynamical modules from genetic regulatory systems: applications to the segment polarity network. 2007 , 8, 413	19
2040	Global mapping of gene/protein interactions in PubMed abstracts: a framework and an experiment with P53 interactions. 2007 , 40, 453-64	12
2039	An algorithm for modularization of MAPK and calcium signaling pathways: comparative analysis among different species. 2007 , 40, 726-49	8
2038	Social structure in a colonial mammal: unravelling hidden structural layers and their foundations by network analysis. 2007 , 74, 1293-1302	136
2037	Bridge and brick network motifs: identifying significant building blocks from complex biological systems. 2007 , 41, 117-27	10
2036	Characterization of complex networks: A survey of measurements. 2007 , 56, 167-242	1428
2035	Limited resolution in complex network community detection with Potts model approach. 2007 , 56, 41-45	114
2034	Transport between multiple users in complex networks. 2007 , 57, 165-174	17
2033	Large-scale structure of time evolving citation networks. 2007 , 59, 75-83	87
2032	Deterministic modularity optimization. 2007 , 60, 83-88	40

2031	Finding community structures in complex networks using mixed integer optimisation. 2007 , 60, 231-239	60
2030	Synchronization and modularity in complex networks. 2007 , 143, 19-25	45
2029	Affinity driven social networks. 2007 , 143, 29-37	3
2028	Analysis of large social datasets by community detection. 2007 , 143, 257-259	23
2027	Optimal communication schemes in a complex network: From trees to bottleneck networks. 2007 , 146, 145-154	3
2026	Formation of patterns from complex networks. 2007 , 10, 253-255	7
2025	A Network Approach for Analyzing Spatially Structured Populations in Fragmented Landscape. 2007 , 22, 31-44	136
2024	Where is evolutionary computation going? A temporal analysis of the EC community. 2007 , 8, 239-253	10
2023	Creating an academic landscape of sustainability science: an analysis of the citation network. 2007 , 2, 221-231	183
2022	An improved algorithm for finding community structure in networks with an application to IPv6 backbone network. 2007 , 1, 459-467	
2021	Comparing the biological coherence of network clusters identified by different detection algorithms. 2007 , 52, 2938-2944	5
2020	Identifying stochastic basin hopping by partitioning with graph modularity. 2007 , 231, 95-107	25
2019	The community structure of human cellular signaling network. 2007 , 247, 608-15	52
2018	Traffic dynamics based on a traffic awareness routing strategy on scale-free networks. 2008 , 387, 3001-3007	22
2017	A class of improved algorithms for detecting communities in complex networks. 2008 , 387, 3327-3334	13
2016	Spatial price dynamics: From complex network perspective. 2008 , 387, 5852-5856	2
2015	Spectral methods and cluster structure in correlation-based networks. 2008 , 387, 5930-5945	12
2014	Prefetching in Content Distribution Networks via Web Communities Identification and Outsourcing. 2008 , 11, 39-70	28

2013	Exploring the structure of the U.S. intercity passenger air transportation network: a weighted complex network approach. 2008 , 73, 87-102	91
2012	Organization of Group Members at Departure Is Driven by Social Structure in Macaca. 2008 , 29, 1085-1098	105
2011	Community Detection in Complex Networks. 2008 , 23, 672-683	17
2010	Remarks on Network Community Properties. 2008 , 21, 637-644	3
2009	Epidemic spreading in complex networks. 2008 , 3, 331-348	19
2008	Sewage flow optimization algorithm for large-scale urban sewer networks based on network community division. 2008 , 6, 372-378	
2007	A novel decomposition and coordination algorithm for complex networks and its application to power grids. 2008 , 6, 53-58	1
2006	Modular networks with hierarchical organization: The dynamical implications of complex structure. 2008 , 71, 331-340	19
2005	Cluster ranking with an application to mining mailbox networks. 2008 , 14, 101-139	13
2004	Scaling rules in the science system: Influence of field-specific citation characteristics on the impact of research groups. 2008 , 59, 565-576	48
2003	The art of community detection. 2008 , 30, 934-8	66
2002	Synchronization in complex networks. 2008 , 469, 93-153	2392
2001	How community structure influences epidemic spread in social networks. 2008 , 387, 623-630	82
2000	Cooperation and community structure in social networks. 2008 , 387, 955-966	42
1999	Detecting community structure in complex networks based on a measure of information discrepancy. 2008 , 387, 1675-1682	14
1998	Analysis of networks using generalized mutual entropies. 2008 , 387, 2620-2630	5
1997	Detecting the community structure in complex networks based on quantum mechanics. 2008 , 387, 6215-6224	13
1996	Topological efficiency in three-dimensional gallery networks of termite nests. 2008 , 387, 6235-6244	41

1995	The role of banks in the Brazilian interbank market: Does bank type matter?. 2008 , 387, 6825-6836	56
1994	Visualizing the evolution of a web-based social network. 2008 , 31, 677-698	9
1993	Emerging structures of P2P networks induced by social relationships. 2008 , 31, 620-628	11
1992	On variants of shortest-path betweenness centrality and their generic computation. 2008 , 30, 136-145	461
1991	An algorithm and metric for network decomposition from similarity matrices: Application to positional analysis. 2008 , 30, 146-158	8
1990	Community structure in Congressional cosponsorship networks. 2008 , 387, 1705-1712	101
1989	Recursive filtration method for detecting community structure in networks. 2008 , 387, 6663-6670	7
1988	Traffic dynamics in scale-free networks with limited packet-delivering capacity. 2008 , 387, 6857-6862	41
1987	Community structure and modularity in networks of correlated brain activity. 2008 , 26, 914-20	67
1986	Random Sierpinski network with scale-free small-world and modular structure. 2008 , 65, 141-147	30
1985	Modularity-maximizing graph communities via mathematical programming. 2008 , 66, 409-418	208
1984	The emergence and properties of mutual synchronization in in vitro coupled cortical networks. 2008 , 28, 1825-35	38
1983	Spatial mating networks in insect-pollinated plants. 2008 , 11, 490-8	51
1982	Unsupervised Pattern Discovery in Speech. 2008 , 16, 186-197	139
1981	A structural approach for finding functional modules from large biological networks. 2008 , 9 Suppl 9, S19	59
1980	Worldwide food recall patterns over an eleven month period: a country perspective. 2008 , 8, 308	8
1979	Incorporating uncertainty into the study of animal social networks. 2008 , 75, 1809-1815	117
1978	Destination Networks. 2008 , 35, 169-188	197

1977	Tracking emerging technologies in energy research: Toward a roadmap for sustainable energy. 2008 , 75, 771-782	171
1976	Structure of research on biomass and bio-fuels: A citation-based approach. 2008 , 75, 1349-1359	71
1975	Batch kernel SOM and related Laplacian methods for social network analysis. 2008 , 71, 1257-1273	63
1974	Clustering complex networks and biological networks by nonnegative matrix factorization with various similarity measures. 2008 , 72, 134-141	44
1973	. 2008 ,	11
1972	A Fast Algorithm to Find Overlapping Communities in Networks. 2008 , 408-423	78
1971	Pathway Analysis of High-Throughput Experimental Data. 2008 , 103-120	1
1970	Community structure in directed networks. 2008 , 100, 118703	594
1969	GA-Net: A Genetic Algorithm for Community Detection in Social Networks. 2008 , 1081-1090	217
1968	Socially-aware routing for publish-subscribe in delay-tolerant mobile ad hoc networks. 2008 , 26, 748-760	308
1967	Community detection in social networks with genetic algorithms. 2008 ,	44
1966	Fluctuating epidemics on adaptive networks. <i>Physical Review E</i> , 2008 , 77, 066101	2.4 184
1965	On Modularity Clustering. 2008 , 20, 172-188	631
1964	Variations in the transcriptome of Alzheimer's disease reveal molecular networks involved in cardiovascular diseases. 2008 , 9, R148	78
1963	Toward Optimal Transport Networks. 2008 ,	4
1962	Complex Network Community Detection Based on Swarm Aggregation. 2008 ,	4
1961	A Scientific Theme Emergence Detection Approach Based on Citation Graph Analysis. 2008 ,	1
1960	Fast unfolding of communities in large networks. 2008 , 2008, P10008	8361

1959	An analysis of geographical agglomeration and modularized industrial networks in a regional cluster: A case study at Yamagata prefecture in Japan. 2008 , 28, 531-539	37
1958	Mining bridge and brick motifs from complex biological networks for functionally and statistically significant discovery. 2008 , 38, 17-24	15
1957	Critical phenomena in complex networks. 2008 , 80, 1275-1335	1456
1956	On Structural Analysis of Large Networks. 2008 ,	0
1955	Community Detection Based on Weighted Networks. 2008 ,	0
1954	Efficient Breadth-First Search on the Cell/BE Processor. 2008 , 19, 1381-1395	42
1953	An improved voltage-based algorithm for community discovery. 2008 ,	
1952	Analysis of Relations in eLearning. 2008 ,	6
1951	A New Efficient Algorithm for Detecting Communities in Complex Networks. 2008 ,	6
1950	Consumer Phase Shift Simulation Based on Social Psychology and Complex Networks. 2008 ,	2
1949	Scalable Community Discovery of Large Networks. 2008 ,	9
1948	WAIN: Wireless Ad Hoc in Infrastructure Network. 2008 ,	1
1947	Detecting Communities in Science Blogs. 2008 ,	5
1946	Detecting blog groups using vector space models for link structures. 2008 ,	
1945	Empirical analysis of grouping web pages using vector space model for link structures. 2008 ,	
1944	Traffic dynamic in modularity structure of complex networks.. 2008 ,	2
1943	Discovering, Visualizing and Evaluating Online Bipartite Communities. 2008 ,	
1942	Object Mining Using a Matching Graph on Very Large Image Collections. 2008 ,	52

1941	The Study of Location Strategy for Bank's Branch Network through the Analysis of Inter-regional Financial Transaction Network. 2008,	0
1940	Using Betweenness Centrality to Identify Manifold Shortcuts. 2008, 2008, 949-958	21
1939	Relation Analysis in eLearning. 2008,	5
1938	Patterns of collaboration in emerging fields of trans-disciplinary science: The case of sustainability science. 2008,	
1937	Web community detection model using particle swarm optimization. 2008,	8
1936	Statistical approach for community mining in social networks. 2008,	5
1935	Effectiveness of Machine Learning Techniques for Automated Identification of Calling Communities. 2008,	1
1934	COMMUNITY, HIERARCHY AND INTERWEAVEMENT IN COLLABORATION NETWORKS. 2008, 19, 1537-1554	6
1933	WAIN: Wireless Ad Hoc in Infrastructure Network. 2008,	
1932	Population structure and inbreeding from pedigree analysis of purebred dogs. 2008, 179, 593-601	93
1931	Analysis of the structure of complex networks at different resolution levels. 2008, 10, 053039	333
1930	Evolution Properties of Modules in Complex Networks. 2008, 50, 1013-1016	2
1929	Cascades with coupled map lattices in preferential attachment community networks. 2008, 17, 1703-1708	16
1928	Comparison of algorithms in graph partitioning. 2008, 42, 469-484	3
1927	Evolutionary constraint and adaptation in the metabolic network of Drosophila. 2008, 25, 2537-46	43
1926	Automatic decomposition of kinetic models of signaling networks minimizing the retroactivity among modules. 2008, 24, i213-9	34
1925	An Unsupervised Approach to Cluster Web Search Results Based on Word Sense Communities. 2008,	8
1924	Community Detection in Social Networks Employing Component Independency. 2008,	

1923	The Synchronized Dynamics of Complex Systems. 2008 , 1-239	59
1922	The Community Structure of Competitive Pressure Networks for Multimarket Industries. 2008 ,	
1921	Automatic detection of cohesive subgroups within social hypertext: A heuristic approach. 2008 , 14, 121-143	12
1920	DOSA: design optimizer for scientific applications. 2008 ,	
1919	Efficient order picking based on community detection. 2008 ,	1
1918	Maps of random walks on complex networks reveal community structure. 2008 , 105, 1118-23	2585
1917	Evaluating local community methods in networks. 2008 , 2008, P05001	112
1916	IDENTIFICATION OF COMMUNITY STRUCTURE IN COMPLEX NETWORKS USING AFFINITY PROPAGATION CLUSTERING METHOD. 2008 , 22, 1547-1566	11
1915	Latent social structure in open source projects. 2008 ,	158
1914	Dynamics towards synchronization in hierarchical networks. 2008 , 41, 224007	4
1913	Optimal partition and effective dynamics of complex networks. 2008 , 105, 7907-12	73
1912	Research on Some Bus Transport Networks with Random Overlapping Clique Structure. 2008 , 50, 1249-1254	2
1911	Engineering graph clustering. 2008 , 12, 1-26	19
1910	Bridging centrality. 2008 ,	44
1909	Detecting splogs via temporal dynamics using self-similarity analysis. 2008 , 2, 1-35	26
1908	Discovering global network communities based on local centralities. 2008 , 2, 1-32	20
1907	A microscopic view on community detection in complex networks. 2008 ,	4
1906	Detecting modules in dense weighted networks with the Potts method. 2008 , 2008, P08007	19

1905	Age-dependent evolution of the yeast protein interaction network suggests a limited role of gene duplication and divergence. 2008 , 4, e1000232	61
1904	Organization of excitable dynamics in hierarchical biological networks. 2008 , 4, e1000190	107
1903	Multi-scaling Networks from Vertex Intrinsic Fitness. 2008 , 50, 1009-1012	
1902	A Scalable Multilevel Algorithm for Graph Clustering and Community Structure Detection. 2006 , 117-128	19
1901	k-Clique Percolation and Clustering. 2008 , 369-408	8
1900	Modular synchronization in complex networks with a gauge Kuramoto model. 2008 , 83, 68003	20
1899	Research Field Discovery Based on Text Clustering. 2008 ,	
1898	Extracting and ranking viral communities using seeds and content similarity. 2008 ,	2
1897	Statistical significance of the rich-club phenomenon in complex networks. 2008 , 10, 043002	16
1896	Opinion Dynamics on Complex Networks with Communities. 2008 , 25, 1502-1505	8
1895	Motif-based communities in complex networks. 2008 , 41, 224001	61
1894	Network formation determined by the diffusion process of random walkers. 2008 , 41, 235005	12
1893	Network synchronization: optimal and pessimal scale-free topologies. 2008 , 41, 224008	14
1892	Detecting groups of similar components in complex networks. 2008 , 10, 123023	7
1891	. 2008 ,	63
1890	A Hypergraph model for clustering scale-free network. 2008 ,	
1889	Community detection by signaling on complex networks. <i>Physical Review E</i> , 2008 , 78, 016115	2.4 55
1888	Bayesian approach to network modularity. 2008 , 100, 258701	174

1887	Inversion method for content-based networks. <i>Physical Review E</i> , 2008 , 77, 036122	2.4	30
1886	Identifying network communities with a high resolution. <i>Physical Review E</i> , 2008 , 77, 016104	2.4	131
1885	Quantitative function for community detection. <i>Physical Review E</i> , 2008 , 77, 036109	2.4	232
1884	Chain motifs: the tails and handles of complex networks. <i>Physical Review E</i> , 2008 , 77, 026106	2.4	13
1883	Sequential algorithm for fast clique percolation. <i>Physical Review E</i> , 2008 , 78, 026109	2.4	139
1882	Partition of networks into basins of attraction. <i>Physical Review E</i> , 2008 , 78, 066111	2.4	7
1881	Synchronization in networks of networks: the onset of coherent collective behavior in systems of interacting populations of heterogeneous oscillators. <i>Physical Review E</i> , 2008 , 77, 036107	2.4	106
1880	Differential equations as a tool for community identification. <i>Physical Review E</i> , 2008 , 77, 065701	2.4	14
1879	Facetnet. 2008 ,		209
1878	Exploring Core/Periphery Structures in Protein Interaction Networks Provides Structure-Property Relation Insights. 2008 ,		
1877	Detecting community structure in complex networks based on K-means clustering and data field theory. 2008 ,		
1876	Generating Associated Relation between Documents. 2008 ,		3
1875	Effects of topology in networked systems: Stochastic methods and small worlds. 2008 ,		4
1874	A New Coherency-based Dynamic Equivalence Algorithm with Complex Network Theory. 2008 ,		1
1873	Data clustering based on complex network community detection. 2008 ,		5
1872	Synchronization in interacting populations of heterogeneous oscillators with time-varying coupling. 2008 , 18, 037114		55
1871	Community detection in complex networks by dynamical simplex evolution. <i>Physical Review E</i> , 2008 , 78, 016113	2.4	21
1870	Community structures and role detection in music networks. 2008 , 18, 043105		15

1869	Mixed evolutionary strategies imply coexisting opinions on networks. <i>Physical Review E</i> , 2008 , 77, 016108.	2.4	14
1868	Particle competition for complex network community detection. 2008 , 18, 033107		32
1867	Biclique communities. <i>Physical Review E</i> , 2008 , 78, 016108	2.4	91
1866	Multistep greedy algorithm identifies community structure in real-world and computer-generated networks. <i>Physical Review E</i> , 2008 , 78, 026112	2.4	43
1865	Efficient modularity optimization by multistep greedy algorithm and vertex mover refinement. <i>Physical Review E</i> , 2008 , 77, 046112	2.4	105
1864	Robustness of community structure in networks. <i>Physical Review E</i> , 2008 , 77, 046119	2.4	210
1863	(Un)detectable cluster structure in sparse networks. 2008 , 101, 078701		51
1862	Comparative definition of community and corresponding identifying algorithm. <i>Physical Review E</i> , 2008 , 78, 026121	2.4	62
1861	Finding a better immunization strategy. 2008 , 101, 058701		196
1860	Descents and nodal load in scale-free networks. <i>Physical Review E</i> , 2008 , 77, 046111	2.4	4
1859	Adaptive clustering algorithm for community detection in complex networks. <i>Physical Review E</i> , 2008 , 78, 046115	2.4	43
1858	Impact of community structure on information transfer. <i>Physical Review E</i> , 2008 , 77, 036103	2.4	37
1857	Laplacian spectra as a diagnostic tool for network structure and dynamics. <i>Physical Review E</i> , 2008 , 77, 031102	2.4	66
1856	Learning Resources Recommendation System Based on Education Blog. 2008 ,		
1855	Human mobility models and opportunistic communications system design. 2008 , 366, 2005-16		31
1854	Applying Complex Network Method to Software Clustering. 2008 ,		6
1853	A k-Nearest-Neighbour Method for Classifying Web Search Results with Data in Folksonomies. 2008 ,		15
1852	Topological properties of co-occurrence networks in published gene expression signatures. 2008 , 2, 203-13		2

1851	Mesoscopic structure conditions the emergence of cooperation on social networks. 2008 , 3, e1892		90
1850	Identification and analysis of co-occurrence networks with NetCutter. 2008 , 3, e3178		14
1849	Homogeneity of Load Distribution Plays a Key Role in Global Synchronizability of Complex Networks. 2008 , 77, 014001		1
1848	Signatures of Currency Vertices. 2009 , 78, 034801		2
1847	Regional Trade Agreements and the Pattern of Trade: A Networks Approach. 2009 ,		4
1846	Modulated modularity clustering as an exploratory tool for functional genomic inference. 2009 , 5, e1000479		97
1845	Uncovering intrinsic modular organization of spontaneous brain activity in humans. 2009 , 4, e5226		450
1844	A big world inside small-world networks. 2009 , 4, e5686		30
1843	Signal propagation in cortical networks: a digital signal processing approach. 2009 , 3, 24		5
1842	Hierarchical modularity in human brain functional networks. 2009 , 3, 37		409
1841	Functional clustering algorithm for the analysis of dynamic network data. <i>Physical Review E</i> , 2009 , 79, 056104	2.4	37
1840	Standard random walks and trapping on the Koch network with scale-free behavior and small-world effect. <i>Physical Review E</i> , 2009 , 79, 061113	2.4	78
1839	Iterated tabu search for identifying community structure in complex networks. <i>Physical Review E</i> , 2009 , 80, 026130	2.4	30
1838	Broad lifetime distributions for ordering dynamics in complex networks. <i>Physical Review E</i> , 2009 , 79, 016109	2.4	21
1837	Weak signal transmission in complex networks and its application in detecting connectivity. <i>Physical Review E</i> , 2009 , 80, 046102	2.4	20
1836	Analysis of community structure in networks of correlated data. <i>Physical Review E</i> , 2009 , 80, 016114	2.4	157
1835	Transient disorder in dynamically growing networks. <i>Physical Review E</i> , 2009 , 79, 046101	2.4	3
1834	Simple probabilistic algorithm for detecting community structure. <i>Physical Review E</i> , 2009 , 79, 036111	2.4	48

1833	Dynamic communities in multichannel data: an application to the foreign exchange market during the 2007-2008 credit crisis. 2009 , 19, 033119		57
1832	Detecting Community Structure in Weighted Email Network. 2009 ,		0
1831	Revealing the functional modularity of yeast transcriptional regulatory network by using a novel topological measurement. 2009 ,		2
1830	(Psi,p,q)-vulnerabilities: a unified approach to network robustness. 2009 , 19, 013133		3
1829	CDNs Content Outsourcing via Generalized Communities. 2009 , 21, 137-151		15
1828	Monitoring, recognizing and discovering social networks. 2009 ,		22
1827	. 2009 ,		2
1826	Effect of Inventor Status on Intra-Organizational Innovation Evolution. 2009 ,		1
1825	Network topological reordering revealing systemic patterns in yeast protein interaction networks. 2009 , 2009, 6954-7		2
1824	A Hybrid Algorithm for Solving Two-Part Division Problem in Network Community Detection. 2009 ,		
1823	Modularity clustering is force-directed layout. <i>Physical Review E</i> , 2009 , 79, 026102	2.4	118
1822	Extracting Multi-facet Community Structure from Bipartite Networks. 2009 ,		24
1821	Communication and correlation among communities. <i>Physical Review E</i> , 2009 , 80, 011142	2.4	12
1820	Towards real-time community detection in large networks. <i>Physical Review E</i> , 2009 , 79, 066107	2.4	190
1819	Detecting network communities by propagating labels under constraints. <i>Physical Review E</i> , 2009 , 80, 026129	2.4	243
1818	Linking via social similarity: The emergence of community structure in scale-free network. 2009 ,		3
1817	Communities and Emerging Semantics in Semantic Link Network: Discovery and Learning. 2009 , 21, 785-799		155
1816	Dynamic structure of networks updated according to simple, local rules. <i>Physical Review E</i> , 2009 , 80, 016103	2.4	3

1815	Probabilistic framework for network partition. <i>Physical Review E</i> , 2009 , 80, 026106	2.4	20
1814	Spectral tripartitioning of networks. <i>Physical Review E</i> , 2009 , 80, 036111	2.4	49
1813	Interplay between structural randomness, composite disorder, and electrical response: resonances and transient delays in complex impedance networks. <i>Physical Review E</i> , 2009 , 80, 045101	2.4	1
1812	Dynamic self-organization and clustering in distributed networked systems for performance improvement. 2009 ,		3
1811	Real World Routing Using Virtual World Information. 2009 ,		3
1810	Group Recommendation with Automatic Identification of Users Communities. 2009 ,		23
1809	Pinning control on complex networks via identifying communities. 2009 ,		
1808	Detecting community structure of complex networks by affinity propagation. 2009 ,		
1807	Networks of spatial genetic variation across species. 2009 , 106, 19044-9		70
1806	Assembly of an interactive correlation network for the Arabidopsis genome using a novel heuristic clustering algorithm. 2010 , 152, 29-43		135
1805	COMMUNITY DETECTION IN SOCIAL NETWORKS EMPLOYING COMPONENT INDEPENDENCY. 2009 , 23, 2089-2106		3
1804	VULNERABILITY AND FALL OF EFFICIENCY IN COMPLEX NETWORKS: A NEW APPROACH WITH COMPUTATIONAL ADVANTAGES. 2009 , 19, 727-735		6
1803	Localized edge ranking for fast graph clustering. 2009 ,		
1802	Introducing E-learning Based on Community Detection. 2009 ,		0
1801	Detection of preference shift timing using time-series clustering. 2009 ,		2
1800	Detecting communities in networks by merging cliques. 2009 ,		14
1799	Complex network theory and graph partitioning: Application to large interconnected networks. 2009 ,		4
1798	Clustering of Protein Sequences with a Modularity-Based Approach. 2009 ,		

1797	Comparative analysis on community structure algorithms of complex network. 2009,	
1796	Systematic classification of primary immunodeficiencies based on clinical, pathological, and laboratory parameters. 2009, 183, 7569-75	21
1795	DYNAMICALLY FORMED CLUSTERS OF AGENTS IN ECO-GRAMMAR SYSTEMS. 2009, 20, 293-311	3
1794	A NODE-BASED MULTISCALE VULNERABILITY OF COMPLEX NETWORKS. 2009, 19, 703-710	6
1793	Solution stability in linear programming relaxations. 2009,	18
1792	Relational learning via latent social dimensions. 2009,	333
1791	Modularity optimization in community detection of complex networks. 2009, 87, 38002	68
1790	Graph theoretic approach for studying correlated motions in biomolecules. 2009,	1
1789	Research on Community Structure in Bus Transport Networks. 2009, 52, 1025-1030	2
1788	Quantifying and identifying the overlapping community structure in networks. 2009, 2009, P07042	68
1787	Targeted tandem affinity purification of PSD-95 recovers core postsynaptic complexes and schizophrenia susceptibility proteins. 2009, 5, 269	189
1786	Seeding the Kernels in graphs: toward multi-resolution community analysis. 2009, 11, 113003	31
1785	Properties of asymmetrically evolved community networks. 2009, 18, 516-521	6
1784	Common Neighborhood Sub-graph Density as a Similarity Measure for Community Detection. 2009, 175-184	5
1783	Scalable graph clustering using stochastic flows. 2009,	124
1782	Routing in Large Scale-Free Network with Community Structure. 2009,	
1781	Local Routing and Traffic Estimating in Large Scale-Free Networks. 2009,	
1780	Eight friends are enough. 2009,	59

1779	Neurotransmitters drive combinatorial multistate postsynaptic density networks. 2009 , 2, ra19	94
1778	Robustness of emerged community in social network. 2009 ,	1
1777	Potential collaboration discovery using document clustering and community structure detection. 2009 ,	3
1776	Contextualising tags in collaborative tagging systems. 2009 ,	38
1775	Revealing network communities through modularity maximization by a contraction filtration method. 2009 , 11, 043025	22
1774	Epidemic spreading in weighted scale-free networks with community structure. 2009 , 2009, P07043	30
1773	A New Local Algorithm for Detecting Communities in Networks. 2009 ,	4
1772	Vertex labeling and routing in self-similar outerplanar unclustered graphs modeling complex networks. 2009 , 42, 425001	8
1771	Enhance the efficiency of heuristic algorithms for maximizing the modularity Q. 2009 , 85, 18009	5
1770	Fast centrality approximation in modular networks. 2009 ,	23
1769	Emergence of consensus and shared vocabularies in collaborative tagging systems. 2009 , 3, 1-34	72
1768	Mining communities in networks. 2009 ,	44
1767	Modularity produces small-world networks with dynamical time-scale separation. 2009 , 85, 68006	39
1766	Ranking billions of web pages using diodes. 2009 , 52, 132-136	8
1765	Dynamical networks in tRNA:protein complexes. 2009 , 106, 6620-5	495
1764	Expanding network communities from representative examples. 2009 , 3, 1-27	14
1763	Evaluating use of data flow systems for large graph analysis. 2009 ,	7
1762	Overlapped community detection in complex networks. 2009 ,	41

1761	An analytically solvable model for rapid evolution of modular structure. 2009 , 5, e1000355	29
1760	Community Detection on Weighted Networks: A Variational Bayesian Method. 2009 , 176-190	2
1759	Group CRM. 2009 ,	17
1758	The community is where the rapport is -- on sense and structure in the youtube community. 2009 ,	33
1757	POLAR MAPPER: a computational tool for integrated visualization of protein interaction networks and mRNA expression data. 2009 , 6, 881-96	9
1756	The effect of network topology on the stability of discrete state models of genetic control. 2009 , 106, 8209-14	72
1755	Citation network analysis of organic LEDs. 2009 , 76, 1115-1123	68
1754	Clique-based data mining for related genes in a biomedical database. 2009 , 10, 205	18
1753	Threshold selection in gene co-expression networks using spectral graph theory techniques. 2009 , 10 Suppl 11, S4	52
1752	Clinical bioinformatics for complex disorders: a schizophrenia case study. 2009 , 10 Suppl 12, S6	9
1751	Core and periphery structures in protein interaction networks. 2009 , 10 Suppl 4, S8	26
1750	Spectral affinity in protein networks. 2009 , 3, 112	22
1749	Clustered microRNAs' coordination in regulating protein-protein interaction network. 2009 , 3, 65	84
1748	Network-based exploration and visualisation of ecological data. 2009 , 220, 673-683	13
1747	Hybrid clustering for validation and improvement of subject-classification schemes. 2009 , 45, 683-702	63
1746	Hierarchical functional modularity in the resting-state human brain. 2009 , 30, 2220-31	147
1745	Local dynamical equivalence of certain food webs. 2009 , 59, 417-427	6
1744	A social network analysis of primate groups. 2009 , 50, 343-56	108

1743	Local preferential attachment model for hierarchical networks. 2009 , 388, 1713-1720	28
1742	A fast and efficient heuristic algorithm for detecting community structures in complex networks. 2009 , 388, 2741-2749	42
1741	The web of connections between tourism companies: Structure and dynamics. 2009 , 388, 4286-4296	31
1740	Nanobiotechnology as an emerging research domain from nanotechnology: A bibliometric approach. 2009 , 80, 23-38	49
1739	RTG: a recursive realistic graph generator using random typing. 2009 , 19, 194-209	40
1738	The Naming Game in social networks: community formation and consensus engineering. 2009 , 4, 221-235	71
1737	Detecting community structure in networks by representative energy. 2009 , 3, 366-372	
1736	SIS model of epidemic spreading on dynamical networks with community. 2009 , 3, 361-365	25
1735	Nash Stability in Additively Separable Hedonic Games and Community Structures. 2009 , 45, 917-925	12
1734	scriptLattes: an open-source knowledge extraction system from the Lattes platform. 2009 , 15, 31-39	33
1733	Comprehend and analyze knowledge networks to improve software evolution. 2009 , 21, 189-215	16
1732	Universal partitioning of the hierarchical fold network of 50-residue segments in proteins. 2009 , 9, 34	
1731	Extinctions in heterogeneous environments and the evolution of modularity. 2009 , 63, 1964-75	29
1730	Food web models: a plea for groups. 2009 , 12, 652-62	100
1729	Compartments in a marine food web associated with phylogeny, body mass, and habitat structure. 2009 , 12, 779-88	156
1728	Detect overlapping and hierarchical community structure in networks. 2009 , 388, 1706-1712	466
1727	Eigenvectors of network complement reveal community structure more accurately. 2009 , 388, 1721-1730	15
1726	Tomography of functional organization in protein-protein interaction network. 2009 , 388, 2072-2080	4

1725	The detection of community structure in network via an improved spectral method. 2009 , 388, 3268-3272	11
1724	Adjusting from disjoint to overlapping community detection of complex networks. 2009 , 388, 5045-5056	37
1723	Clustering in weighted networks. 2009 , 31, 155-163	561
1722	Epidemic spreading in communities with mobile agents. 2009 , 388, 1228-1236	36
1721	Recognition ability of the fully connected Hopfield neural network under a persistent stimulus field. 2009 , 388, 1279-1288	0
1720	Extracting hierarchical organization of complex networks by dynamics towards synchronization. 2009 , 388, 2975-2986	11
1719	Unveiling the connectivity structure of financial networks via high-frequency analysis. 2009 , 388, 3866-3878	21
1718	Strength distribution of novel local-world networks. 2009 , 388, 4669-4677	8
1717	Modularity density of network community divisions. 2009 , 238, 1161-1167	6
1716	Evolution of a large online social network. 2009 , 373, 1105-1110	77
1715	Limited ability driven phase transitions in the coevolution process in Axelrod's model. 2009 , 373, 1519-1523	1
1714	Communities, knowledge creation, and information diffusion. 2009 , 3, 180-190	92
1713	A spectral clustering-based framework for detecting community structures in complex networks. 2009 , 22, 1479-1482	33
1712	Micro-bias and macro-performance. 2009 , 67, 369-375	9
1711	Detection of node group membership in networks with group overlap. 2009 , 67, 277-284	37
1710	An evolving network model in polymer melts with community structures. 2009 , 68, 247-251	5
1709	Comparison of methods for the detection of node group membership in bipartite networks. 2009 , 72, 671-677	8
1708	The map equation. 2009 , 178, 13-23	393

1707	. 2009 ,		47
1706	Multiresolution community detection for megascale networks by information-based replica correlations. <i>Physical Review E</i> , 2009 , 80, 016109	2.4	156
1705	Benchmark graphs for the evaluation of clustering algorithms. 2009 ,		5
1704	Improved community structure detection using a modified fine-tuning strategy. 2009 , 86, 28004		79
1703	. 2009 ,		8
1702	Alternative approach to community detection in networks. <i>Physical Review E</i> , 2009 , 79, 066111	2.4	12
1701	Structure analysis of social network on multi-activities in MMOG. 2009 ,		3
1700	Discovering Organizational Structure in Dynamic Social Network. 2009 ,		13
1699	Finding Overlapping Communities Using Disjoint Community Detection Algorithms. 2009 , 47-61		38
1698	Graph clustering based on structural/attribute similarities. 2009 , 2, 718-729		458
1697	A Realtime Clique Detection Algorithm: Time-Based Incremental Label Propagation. 2009 ,		3
1696	Innovation studies—the emerging structure of a new scientific field. 2009 , 38, 218-233		309
1695	Research impact within the international arid literature: An Australian perspective based on network theory. 2009 , 73, 862-871		2
1694	Proton-transfer pathways in photosynthetic reaction centers analyzed by profile hidden markov models and network calculations. 2009 , 388, 631-43		12
1693	Detecting Community Structure of Complex Networks by Simulated Annealing with Optimal Prediction. 2009 ,		
1692	Genetic Algorithm with Ensemble Learning for Detecting Community Structure in Complex Networks. 2009 ,		23
1691	Complex modular structure of large-scale brain networks. 2009 , 19, 023119		63
1690	Particle Competition in Complex Networks for Semi-supervised Classification. 2009 , 163-174		1

1689	A Retrospective Review of Social Networks. 2009 ,	3
1688	Local Community Identification in Social Networks. 2009 ,	75
1687	A Comparison of Community Detection Algorithms on Artificial Networks. 2009 , 242-256	43
1686	Research and Evaluation on Modularity Modeling in Community Detecting of Complex Network Based on Information Entropy. 2009 ,	3
1685	Complex eigenvectors of network matrices give better insight into the community structure. 2009 , 2009, P10018	10
1684	. 2009 ,	15
1683	Prying Data out of a Social Network. 2009 ,	226
1682	Community detection in networks with positive and negative links. <i>Physical Review E</i> , 2009 , 80, 036115 2.4	232
1681	Detecting Community Structure in Networks by Propagating Labels of Nodes. 2009 , 839-846	2
1680	Community detection algorithms: a comparative analysis. <i>Physical Review E</i> , 2009 , 80, 056117 2.4	1203
1679	A Multi-objective Genetic Algorithm for Community Detection in Networks. 2009 ,	67
1678	A New Genetic Algorithm for Community Detection. 2009 , 1298-1309	22
1677	A realtime community detection algorithm: incremental label propagation. 2009 ,	3
1676	A nonparametric view of network models and Newman-Girvan and other modularities. 2009 , 106, 21068-73	338
1675	A Graph Distance Based Structural Clustering Approach for Networks. 2009 , 330-339	
1674	Urban traffic signal control network automatic partitioning using laplacian eigenvectors. 2009 ,	8
1673	Modeling a Store's Product Space as a Social Network. 2009 ,	9
1672	AHSCAN: Agglomerative Hierarchical Structural Clustering Algorithm for Networks. 2009 ,	16

1671	IDENTIFICATION OF COMMUNITY STRUCTURE IN NETWORKS USING HIGHER ORDER NEIGHBORHOOD CONCEPTS. 2009 , 19, 2677-2685	5
1670	Detecting overlapping community structure of networks based on vertex-vertex correlations. 2009 , 2009, P11013	26
1669	Neuronal networks in Alzheimer's disease. 2009 , 15, 333-50	166
1668	Parallel community detection on large networks with propinquity dynamics. 2009 ,	70
1667	Efficiency of Navigation in Indexed Networks. 2009 , 189-198	
1666	Tools from Statistical Physics for the Analysis of Social Networks. 2009 , 147-185	
1665	Detecting dynamic communities in opportunistic networks. 2009 ,	1
1664	A Multi-Agent Based Decentralized Algorithm for Social Network Community Mining. 2009 ,	5
1663	Assessing the relevance of node features for network structure. 2009 , 106, 11433-8	162
1662	Interdisciplinary research detection by citation indicators. 2009 ,	6
1661	Identifying vulnerable lines in a power network using complex network theory. 2009 ,	50
1660	A Pow-Law Model for Internet Topology with Hierarchy. 2009 ,	
1659	A Method for Identifying Malicious Activity in Collaborative Systems with Maps. 2009 ,	1
1658	Detecting Communities from Bipartite Networks Based on Bipartite Modularities. 2009 ,	21
1657	Graph Local Clustering for Topic Detection in Web Collections. 2009 ,	1
1656	Relative evaluation of partition algorithms for complex networks. 2009 ,	1
1655	Identifying informal communities and leaders for total quality management using network analysis of email. 2009 ,	1
1654	Structure of Heterogeneous Networks. 2009 ,	9

1653	Mining the Dynamics of Music Preferences from a Social Networking Site. 2009,	9
1652	Hypergraph Partitioning for Community Discovery in Complex Network. 2009,	1
1651	Research on Module Division Method Based on Complex Network Theory. 2009,	1
1650	Modularity and robustness of bone networks. 2009, 5, 255-61	18
1649	. 2009,	16
1648	A Visual Data Mining Approach to Find Overlapping Communities in Networks. 2009,	5
1647	Towards social-aware routing in dynamic communication networks. 2009,	33
1646	Using ESDA to Detect Overlapping Multi-communities. 2009,	2
1645	Detecting Communities in Large Networks by Iterative Local Expansion. 2009,	24
1644	A Fully Automated Method for Discovering Community Structures in High Dimensional Data. 2009, 968-973	8
1643	Fine Partitioning of 2-connected Components Using Fiedler Vector. 2009,	
1642	. 2009,	3
1641	Dynamic Grade on the Major Hazards Using Community Detection Based on Genetic Algorithm. 2009,	1
1640	Dynamic Routing Strategies Based on Local Topological Information of Scale-free Network. 2009,	0
1639	iTopicModel: Information Network-Integrated Topic Modeling. 2009,	84
1638	Large Scale Network Analysis with Interactive Visualisation. 2009,	
1637	Detecting the overlapping and hierarchical community structure in complex networks. 2009, 11, 033015	1077
1636	An Effective Network Partitioning Algorithm Based on Two-Point Diffusing Strategy. 2009,	

1635	Age-related changes in modular organization of human brain functional networks. 2009 , 44, 715-23	587
1634	Community structure in networks of functional connectivity: resolving functional organization in the rat brain with pharmacological MRI. 2009 , 47, 302-11	49
1633	Generic aspects of complexity in brain imaging data and other biological systems. 2009 , 47, 1125-34	98
1632	Using Mixed-Method Design and Network Analysis to Measure Development of Interagency Collaboration. 2009 , 30, 310-329	47
1631	The roosting spatial network of a bird-predator bat. 2009 , 90, 934-44	75
1630	Analyzing inter-firm networks for enhancing large-scale regional clusters. 2009 ,	
1629	Fast Complex Network Clustering Algorithm Using Agents. 2009 ,	3
1628	. 2009 ,	
1627	Extending the definition of modularity to directed graphs with overlapping communities. 2009 , 2009, P03024	231
1626	Blocking links to minimize contamination spread in a social network. 2009 , 3, 1-23	332
1625	Visualization of nano risk research field to clarify domains year by year. 2009 , 170, 012033	1
1624	An exploration of climate data using complex networks. 2009 ,	12
1623	Small-world of communities: communication and correlation of the meta-network. 2009 , 2009, L08004	1
1622	Beyond the average: Detecting global singular nodes from local features in complex networks. 2009 , 87, 18008	17
1621	Extracting key terms from noisy and multitheme documents. 2009 ,	109
1620	Towards a Heuristic Algorithm for Partitioning Network Community. 2009 ,	
1619	On Discovering Community Trends in Social Networks. 2009 ,	6
1618	University Knowledge Networks in Space: Are Far-Reaching Scientists Also International Knowledge Brokers?. 2010 , 11, 307-320	4

1617	A Model of Opinion Dynamics for Community Detection in Graphs. 2010 , 43, 251-256	2
1616	Identifying Cohesive Subgroups and Their Correspondences in Multiple Related Networks. 2010 ,	2
1615	Community structure in a large-scale transaction network and visualization. 2010 , 221, 012012	7
1614	Structure analyses of a large-scale transaction network through visualization based on molecular dynamics. 2010 , 221, 012013	4
1613	Modularity measure of networks with overlapping communities. 2010 , 90, 18001	39
1612	Small worlds in space: Synchronization, spatial and relational modularity. 2010 , 90, 60005	5
1611	Untangling Biological Networks Using Bioinformatics. 2010 , 865-892	
1610	Fractals in the nervous system: conceptual implications for theoretical neuroscience. 2010 , 1, 15	110
1609	Modular and hierarchically modular organization of brain networks. 2010 , 4, 200	666
1608	The case for crowd computing. 2010 ,	52
1607	Rewiring for adaptation. 2010 , 3,	50
1606	Evidence for social learning in wild lemurs (<i>Lemur catta</i>). 2010 , 38, 220-34	80
1605	Line graphs of weighted networks for overlapping communities. 2010 , 77, 265-272	92
1604	Large-scale structure of a nation-wide production network. 2010 , 77, 565-580	73
1603	Fuzzy modularity and fuzzy community structure in networks. 2010 , 77, 547-557	33
1602	Evolving hypernetwork model. 2010 , 77, 493-498	61
1601	Discovering Overlapping Groups in Social Media. 2010 ,	85
1600	Simulation of information propagation in real-life primate networks: longevity, fecundity, fidelity. 2010 , 64, 1449-1459	25

1599	Optimizing modularity to identify semantic orientation of Chinese words. 2010 , 37, 5094-5100	7
1598	Detecting the fuzzy clusters of complex networks. 2010 , 43, 1334-1345	12
1597	Communities in Italian corporate networks. 2010 , 389, 5247-5258	51
1596	Generation of arbitrary two-point correlated directed networks with given modularity. 2010 , 374, 3129-3135	7
1595	Functional connectivity in the rat brain: a complex network approach. 2010 , 28, 1200-9	28
1594	An autonomy-oriented computing approach to community mining in distributed and dynamic networks. 2010 , 20, 123-157	16
1593	Self-organizing map of complex networks for community detection. 2010 , 23, 931-941	5
1592	Detecting community structure: From parsimony to weighted parsimony. 2010 , 23, 1024-1036	2
1591	Substance graphs are optimal simple-graph representations of metabolism. 2010 , 55, 3161-3168	7
1590	Development of the brain's functional network architecture. 2010 , 20, 362-75	94
1589	Spatial network structure and robustness of detritus-based communities in a patchy environment. 2010 , 25, 813-821	15
1588	Tracking modularity in citation networks. 2010 , 83, 783-792	20
1587	Mapping of science journals based on h-similarity. 2010 , 83, 589-600	8
1586	Advanced Feedback Management for Internet Auction Reputation Systems. 2010 , 14, 31-37	7
1585	Optimizing an organized modularity measure for topographic graph clustering: A deterministic annealing approach. 2010 , 73, 1142-1163	18
1584	Graph-based clustering and characterization of repetitive sequences in next-generation sequencing data. 2010 , 11, 378	292
1583	Extracting the abstraction pyramid from complex networks. 2010 , 11, 411	7
1582	Investigating the validity of current network analysis on static conglomerate networks by protein network stratification. 2010 , 11, 466	7

1581	Discover protein complexes in protein-protein interaction networks using parametric local modularity. 2010 , 11, 521	11
1580	Prior knowledge based mining functional modules from Yeast PPI networks with gene ontology. 2010 , 11 Suppl 11, S3	3
1579	Recent advances in clustering methods for protein interaction networks. 2010 , 11 Suppl 3, S10	74
1578	Improved prognostic classification of breast cancer defined by antagonistic activation patterns of immune response pathway modules. 2010 , 10, 604	104
1577	Inferring modules from human protein interactome classes. 2010 , 4, 102	7
1576	Determining and interpreting correlations in lipidomic networks found in glioblastoma cells. 2010 , 4, 126	18
1575	A general co-expression network-based approach to gene expression analysis: comparison and applications. 2010 , 4, 8	159
1574	Determining the community structure of the coral <i>Seriatopora hystrix</i> from hydrodynamic and genetic networks. 2010 , 221, 2870-2880	27
1573	Clustering dense graphs: A web site graph paradigm. 2010 , 46, 247-267	4
1572	Improvements of network approach for analysis of the folding free-energy surface of peptides and proteins. 2010 , 31, 2502-9	7
1571	Structure in Networks. 2010 , 201-238	
1570	A comparison of mapping algorithms for author co-citation data analysis. 2010 , 47, 1-3	
1569	Cognitive network dynamics in chatlines. 2010 , 1, 2355-2362	7
1568	Identifying and evaluating community structure in complex networks. 2010 , 31, 413-421	134
1567	Competitivity groups on social network sites. 2010 , 52, 1052-1057	15
1566	Community detection in graphs. 2010 , 486, 75-174	6320
1565	Community structure of the physical review citation network. 2010 , 4, 278-290	107
1564	A unified approach to mapping and clustering of bibliometric networks. 2010 , 4, 629-635	739

1563	Detecting community structure from coherent oscillation of excitable systems. 2010 , 389, 164-170	4
1562	Semi-supervised clustering algorithm for community structure detection in complex networks. 2010 , 389, 187-197	94
1561	Advanced modularity-specialized label propagation algorithm for detecting communities in networks. 2010 , 389, 1493-1500	149
1560	Structure profile of complex networks by a model of precipitation. 2010 , 389, 2318-2324	
1559	Finding communities in directed networks by PageRank random walk induced network embedding. 2010 , 389, 2443-2454	22
1558	Detecting community structure in complex networks via node similarity. 2010 , 389, 2849-2857	114
1557	Detecting overlapping communities of weighted networks via a local algorithm. 2010 , 389, 4177-4187	87
1556	Distance measures for dynamic citation networks. 2010 , 389, 4201-4208	21
1555	A new method for finding hierarchical subgroups from networks. 2010 , 32, 234-244	7
1554	A fast and efficient algorithm to identify clusters in networks. 2010 , 217, 2007-2014	5
1553	Application of the differential equations method for identifying communities in sparse networks. 2010 , 181, 1702-1706	3
1552	Comparative protein analysis of the chitin metabolic pathway in extant organisms: a complex network approach. 2010 , 101, 59-66	12
1551	Modularity and anti-modularity in networks with arbitrary degree distribution. 2010 , 5, 32	13
1550	Co-expression module analysis reveals biological processes, genomic gain, and regulatory mechanisms associated with breast cancer progression. 2010 , 4, 74	94
1549	Determining modular organization of protein interaction networks by maximizing modularity density. 2010 , 4 Suppl 2, S10	26
1548	Nestedness versus modularity in ecological networks: two sides of the same coin?. 2010 , 79, 811-7	253
1547	Link communities reveal multiscale complexity in networks. 2010 , 466, 761-4	1229
1546	Using network science to evaluate exercise-associated brain changes in older adults. 2010 , 2, 23	183

1545	Modular organization of brain resting state networks in chronic back pain patients. 2010 , 4, 116	39
1544	Disrupted modularity and local connectivity of brain functional networks in childhood-onset schizophrenia. 2010 , 4, 147	338
1543	Automated network analysis identifies core pathways in glioblastoma. 2010 , 5, e8918	268
1542	Efficient mitigation strategies for epidemics in rural regions. 2010 , 5, e11569	21
1541	Jerarca: efficient analysis of complex networks using hierarchical clustering. 2010 , 5, e11585	30
1540	Diffusion model based spectral clustering for protein-protein interaction networks. 2010 , 5, e12623	21
1539	The structure of borders in a small world. 2010 , 5, e15422	107
1538	Network Dynamics as an Interface between Modeling and Experiment in Systems Biology. 2010 , 243-276	2
1537	State-of-the-Art in Group Recommendation and New Approaches for Automatic Identification of Groups. 2010 , 1-20	54
1536	Comorbidity: a network perspective. 2010 , 33, 137-50; discussion 150-93	711
1535	Phase synchronization on small-world networks with community structure. 2010 , 19, 020501	14
1534	Modularity map of the network of human cell differentiation. 2010 , 107, 5750-5	37
1533	Algorithms of BBS Opinion Leader Mining Based on Sentiment Analysis. 2010 , 360-369	17
1532	Community Structure Discovery algorithm on GPU with CUDA. 2010 ,	
1531	A fast and reasonable method for community detection with adjustable extent of overlapping. 2010 ,	
1530	A network weight-based Multi-Community discovery Algorithm. 2010 ,	
1529	Coordination Games on Dynamical Networks. 2010 , 1, 242-261	10
1528	Detecting Overlapping Communities Based on Community Cores in Complex Networks. 2010 , 27, 058901	15

1527 A Unifying Modularity in Networks. **2010**, 27, 128901

1526 Cluster Cores and Modularity Maximization. **2010**,

8

1525 Statistically optimal graph partition method based on modularity. **2010**,

4

1524 . **2010**,

9

1523 The Selection of the Monitored-Set for QoS Collection Based on Device-Agent. **2010**,

1

1522 Bridge detection and robust geodesics estimation via random walks. **2010**,

1521 Similarity Formation of Groups and Key Management in Dynamic Peer to Peer E-Commerce. **2010**,

1520 Lightning Current Estimating and Protective Design of Smart Water Meter's Data Acquisition Card. **2010**,

1519 A systems-biology approach to modular genetic complexity. **2010**, 20, 026102

12

1518 Incremental Detection of Local Community Structure. **2010**,

4

1517 Centrality and investment strategies at the beginning of industrialisation in mid-nineteenth-century Catalonia. **2010**, 52, 493-515

4

1516 . **2010**,

1515 Statistical significance of communities in networks. *Physical Review E*, **2010**, 81, 046110

2.4 77

1514 Loops and multiple edges in modularity maximization of networks. *Physical Review E*, **2010**, 81, 046102

2.4 29

1513 Edge ratio and community structure in networks. *Physical Review E*, **2010**, 81, 026105

2.4 14

1512 Group Level Activity Recognition in Crowded Environments across Multiple Cameras. **2010**,

30

1511 Finding overlapping communities in networks by label propagation. **2010**, 12, 103018

549

1510 Community detection enhancement in networks using proper weighting and partial synchronization. **2010**,

4

1509	Map model for synchronization of systems of many coupled oscillators. 2010 , 20, 023109			6
1508	Scalable Analysis of Massive Graphs on a Parallel Data Flow System. 2010 ,			
1507	Effective Clustering of Dense and Concentrated Online Communities. 2010 ,			3
1506	. 2010 ,			90
1505	Detecting Highly Overlapping Communities with Model-Based Overlapping Seed Expansion. 2010 ,			63
1504	Measurement Study of PKTown: A P2P-Based Multiplayer Online Game Supporting System. 2010 ,			
1503	Explicit determination of mean first-passage time for random walks on deterministic uniform recursive trees. <i>Physical Review E</i> , 2010 , 81, 016114	2.4		43
1502	. 2010 ,			4
1501	Detecting dense subgraphs in complex networks based on edge density coefficient. 2010 ,			1
1500	Using graph modularity analysis to identify transcription factor binding sites. 2010 ,			
1499	Performance of modularity maximization in practical contexts. <i>Physical Review E</i> , 2010 , 81, 046106	2.4		568
1498	Enhanced modularity-based community detection by random walk network preprocessing. <i>Physical Review E</i> , 2010 , 81, 066118	2.4		48
1497	Communities, clustering phase transitions, and hysteresis: pitfalls in constructing network ensembles. <i>Physical Review E</i> , 2010 , 81, 046115	2.4		24
1496	A novel method for worm containment on dynamic social networks. 2010 ,			16
1495	Optimal Fuzzy Aggregation of Networks. 2010 , 8, 1535-1561			6
1494	Discovering Communities from Social Networks: Methodologies and Applications. 2010 , 331-346			34
1493	Statistically optimal modular partitioning of directed graphs. 2010 ,			3
1492	Evaluating Community Structure in Bipartite Networks. 2010 ,			4

1491 Police Cars Deployment and Patrol Models. **2010,**

1490 Stability of graph communities across time scales. **2010, 107, 12755-60** 283

1489 EIGENVECTOR LOCALIZATION AS A TOOL TO STUDY SMALL COMMUNITIES IN ONLINE SOCIAL NETWORKS. **2010, 13, 699-723** 6

1488 COMMUNITY DETECTION IN NETWORKS. **2010, 20, 361-367** 5

1487 Science and technology map analysis of a multi-disciplinary field -Case study of aerospace engineering-. **2010,** 3

1486 Elimination of redundant information for search engine. **2010,**

1485 . **2010,**

1484 International population movements and regional Plasmodium falciparum malaria elimination strategies. **2010, 107, 12222-7** 126

1483 GLay: community structure analysis of biological networks. **2010, 26, 3135-7** 158

1482 Revisiting date and party hubs: novel approaches to role assignment in protein interaction networks. **2010, 6, e1000817** 100

1481 An exploration of climate data using complex networks. **2010, 12, 25-32** 48

1480 A Network Model of Interpersonal Alignment in Dialog. **2010, 12, 1440-1483** 44

1479 Protein interaction networks--more than mere modules. **2010, 6, e1000659** 46

1478 Specialization can drive the evolution of modularity. **2010, 6, e1000719** 138

1477 Dynamics and control of diseases in networks with community structure. **2010, 6, e1000736** 357

1476 Semantic Networks: Structure and Dynamics. **2010, 12, 1264-1302** 108

1475 SHRINK. **2010,** 55

1474 SNDocRank. **2010,** 13

1473	An Algorithm for Identifying Useful Structure in Graphs Clustering. 2010,	1
1472	Impact of Community Structure on Network Efficiency and Communicability. 2010,	4
1471	Empirical Analysis and Multiple Level Views in Massive Social Networks. 2010,	
1470	. 2010,	0
1469	A Topic Finding Method for Scientific and Technical Literature. 2010,	1
1468	. 2010,	35
1467	A effective algorithm for detecting fuzzy community structure based on vertex similarity analysis. 2010,	
1466	Computer-assisted roadmapping: a case study in energy research. 2010, 12, 4-15	13
1465	A Random Walk Approach to Accurate Condensed Co-Change Graph. 2010,	
1464	Improved structural algorithm for uncovering community structure in networks. 2010,	
1463	A New Algorithm of Detecting Communities by Topological Centrality. 2010,	
1462	An analytic derivation of clustering coefficients for weighted networks. 2010, 2010, P03013	1
1461	Eigenspaces of networks reveal the overlapping and hierarchical community structure more precisely. 2010, 2010, P08012	12
1460	A structured approach to query recommendation with social annotation data. 2010,	28
1459	Topic-driven web search result organization by leveraging wikipedia semantic knowledge. 2010,	2
1458	Clustering method incorporating network topology and dynamics. 2010,	
1457	A multi-resolution approach to learning with overlapping communities. 2010,	9
1456	Traffic-based network clustering. 2010,	1

1455	Hierarchical feedback algorithm based on visual community discovery for interactive video retrieval. 2010,		
1454	Stability of maximum-likelihood-based clustering methods: exploring the backbone of classifications. 2010, 2010, P04028		5
1453	Coarse-grained diffusion distance for community structure detection in complex networks. 2010, 2010, P12030		4
1452	Optimal map of the modular structure of complex networks. 2010, 12, 053009		19
1451	Link power coordination for energy conservation in complex communication networks. 2010, 92, 28001		2
1450	Social network document ranking. 2010,		14
1449	Multiobjective evolutionary community detection for dynamic networks. 2010,		13
1448	Finding communities in directed networks. <i>Physical Review E</i> , 2010, 81, 016103	2.4	88
1447	Finding Closely Communicating Community Based on Ant Colony Clustering Model. 2010,		9
1446	Network Analysis Applied to a Bibliographic Network. 2010,		
1445	Community Detection and Mining in Social Media. 2010, 2, 1-137		167
1444	The Meso-level Structure of F/OSS Collaboration Network: Local Communities and Their Innovativeness. 2010, 42-52		1
1443	Summarizing and Extracting Online Public Opinion from Blog Search Results. 2010, 476-490		1
1442	A Multiobjective and Evolutionary Clustering Method for Dynamic Networks. 2010,		27
1441	gSkeletonClu: Density-Based Network Clustering via Structure-Connected Tree Division or Agglomeration. 2010,		42
1440	A Survey of Graph Mining Techniques for Biological Datasets. 2010, 547-580		9
1439	Graph Mining Applications to Social Network Analysis. 2010, 487-513		36
1438	The application of fuzzy clustering in the analysis of community structure. 2010,		

1437	Improved Immune Genetic Algorithm for Clustering Protein-Protein Interaction Network. 2010,			7
1436	Uncovering the community structure associated with the diffusion dynamics on networks. 2010, 2010, P04024			34
1435	The Structure of the Computer Science Knowledge Network. 2010,			17
1434	Community evolution detection in dynamic heterogeneous information networks. 2010,			43
1433	Combinatorial approach to modularity. <i>Physical Review E</i> , 2010 , 82, 026102	2.4		12
1432	Local resolution-limit-free Potts model for community detection. <i>Physical Review E</i> , 2010 , 81, 046114	2.4		127
1431	Evaluating the Quality of Clustering Algorithms Using Cluster Path Lengths. 2010 , 42-56			5
1430	A distributed diffusive heuristic for clustering a virtual P2P supercomputer. 2010,			20
1429	Business-Oriented Analysis of a Social Network of University Students: Informative Value of Individual and Relational Data Compared through Group Detection. 2010,			
1428	Optimization of transport protocols with path-length constraints in complex networks. <i>Physical Review E</i> , 2010 , 82, 036119	2.4		17
1427	Mapping from structure to dynamics: a unified view of dynamical processes on networks. <i>Physical Review E</i> , 2010 , 82, 026116	2.4		26
1426	You are who you know. 2010,			393
1425	Measuring the significance of community structure in complex networks. <i>Physical Review E</i> , 2010 , 82, 066106	2.4		22
1424	Spectral graph analysis of modularity and assortativity. <i>Physical Review E</i> , 2010 , 82, 056113	2.4		31
1423	Dynamics of overlapping structures in modular networks. <i>Physical Review E</i> , 2010 , 82, 016115	2.4		28
1422	The Effect of Network Realism on Community Detection Algorithms. 2010,			13
1421	Complexity versus modularity and heterogeneity in oscillatory networks: combining segregation and integration in neural systems. <i>Physical Review E</i> , 2010 , 82, 046225	2.4		27
1420	Covariance, correlation matrix, and the multiscale community structure of networks. <i>Physical Review E</i> , 2010 , 82, 016114	2.4		43

1419	Column generation algorithms for exact modularity maximization in networks. <i>Physical Review E</i> , 2010 , 82, 046112	2.4	78
1418	Separated and overlapping community detection in complex networks using multiobjective Evolutionary Algorithms. 2010 ,		32
1417	Scalable Graph Exploration on Multicore Processors. 2010 ,		140
1416	A formal analysis of cytokine networks in chronic fatigue syndrome. 2010 , 24, 1209-17		153
1415	A parcellation scheme for human left lateral parietal cortex. 2010 , 67, 156-70		297
1414	The development of human functional brain networks. 2010 , 67, 735-48		543
1413	Multiscale analysis of interfirm networks in regional clusters. 2010 , 30, 168-180		30
1412	The dynamics of R&D network in the IT industry. 2010 , 39, 386-399		59
1411	Exploring mitochondrial evolution and metabolism organization principles by comparative analysis of metabolic networks. 2010 , 95, 339-44		11
1410	Distributed community detection in social networks with genetic algorithms. 2010 ,		10
1409	Community Mining in Complex Network Based on Parallel Genetic Algorithm. 2010 ,		
1408	Dynamic model of time-dependent complex networks. <i>Physical Review E</i> , 2010 , 82, 046105	2.4	42
1407	Propagation dynamics on networks featuring complex topologies. <i>Physical Review E</i> , 2010 , 82, 036115	2.4	35
1406	Detecting community structure in complex networks using simulated annealing with k-means algorithms. 2010 , 389, 2300-2309		52
1405	Using social network theory for modeling human mobility. 2010 , 24, 6-13		58
1404	Discovery-driven graph summarization. 2010 ,		69
1403	The sum-over-paths covariance kernel: a novel covariance measure between nodes of a directed graph. 2010 , 32, 1112-26		34
1402	EFFICIENCY DYNAMICS ON SCALE-FREE NETWORKS WITH COMMUNITIES. 2010 , 24, 1549-1557		4

1401	Why do essential proteins tend to be clustered in the yeast interactome network?. 2010 , 6, 871-7	7
1400	Dynamic Community Identification. 2010 , 307-336	6
1399	Community structure in time-dependent, multiscale, and multiplex networks. 2010 , 328, 876-8	1249
1398	EVOLUTION OF COORDINATION IN SOCIAL NETWORKS: A NUMERICAL STUDY. 2010 , 21, 1277-1296	11
1397	Modularity-Driven Clustering of Dynamic Graphs. 2010 , 436-448	21
1396	Comparative Analysis for k-Means Algorithms in Network Community Detection. 2010 , 158-169	7
1395	Empirical comparison of algorithms for network community detection. 2010 ,	507
1394	A multi-objective approach for community detection in complex network. 2010 ,	11
1393	A Comparison of Objective Functions in Network Community Detection. 2010 ,	1
1392	Automatic Topic Detection with an Incremental Clustering Algorithm. 2010 , 344-351	0
1391	Reconstruction and analysis of human liver-specific metabolic network based on CNHLPP data. 2010 , 9, 1648-58	13
1390	Module detection in complex networks using integer optimisation. 2010 , 5, 36	18
1389	Constructing a fish metabolic network model. 2010 , 11, R115	39
1388	. 2010 ,	
1387	Enriching and Simplifying Communication by Social Prioritization. 2010 ,	9
1386	CommPar: A Community-Based Model Partitioning Approach for Large-Scale Networked Social Dynamics Simulation. 2010 ,	5
1385	Evaluation of Replica Placement Strategies for a Shared Data Space in Mobile Ad-Hoc Networks. 2010 ,	1
1384	A Weighting Scheme for Enhancing Community Detection in Networks. 2010 ,	3

1383	COMPLEX NETWORKS: NEW TRENDS FOR THE ANALYSIS OF BRAIN CONNECTIVITY. 2010 , 20, 1677-1686	26
1382	Accurate and fast computational method for identifying protein function using protein-protein interaction data. 2010 , 6, 830-9	4
1381	Neurophysiological and computational principles of cortical rhythms in cognition. 2010 , 90, 1195-268	1250
1380	A Core-based Community Detection Algorithm for Networks. 2010 ,	0
1379	SHARC: Community-based partitioning for mobile ad hoc networks using neighborhood similarity. 2010 ,	14
1378	Clustering Large Attributed Graphs: An Efficient Incremental Approach. 2010 ,	95
1377	A Hierarchical Diffusion Algorithm for Community Detection in Social Networks. 2010 ,	11
1376	Numerical Simulation Research of NOx Emissions Characteristic of Vehicle Engine Fueled with LPG. 2010 ,	
1375	Network protection against worms and cascading failures using modularity partitioning. 2010 ,	6
1374	Multiple Level Views on the Adherent Cohesive Subgraphs in Massive Temporal Call Graphs. 2010 , 441-452	
1373	Clustering Time Series by Network Community Analysis. 2010 ,	
1372	Understanding opinion leaders in bulletin board systems: Structures and algorithms. 2010 ,	5
1371	Detecting Communities in Massive Networks Based on Local Community Attractive Force Optimization. 2010 ,	2
1370	Using empirical risk minimization to detect community structure in the blogosphere. 2010 ,	
1369	Detecting Blackhole and Volcano Patterns in Directed Networks. 2010 ,	13
1368	The clustering of Internet, Internet of Things and social network. 2010 ,	10
1367	Clustering Social Networks Using Distance-Preserving Subgraphs. 2010 ,	4
1366	ManyNets. 2010 ,	46

1365	Email network analysis for organizational management. 2010,	0
1364	. 2010,	35
1363	Spectral methods for the detection of network community structure: a comparative analysis. 2010, 2010, P10020	57
1362	Evaluation repeated random walks in community detection of social networks. 2010,	10
1361	Syndrome differentiation of fatty liver based on the whole network analysis theory. 2010,	
1360	Finding Dynamic Modules of Biological Regulatory Networks. 2010,	
1359	Internet Traffic Identification Using Community Detecting Algorithm. 2010,	2
1358	A Network Analysis of Stakeholders in Tool Visioning Process for Story Test Driven Development. 2010,	
1357	Weighted SCAN for modeling cooperative group role dynamics. 2010,	
1356	. 2010,	3
1355	A Diffusion of Innovation-Based Closeness Measure for Network Associations. 2011,	
1354	enList: Automatically Simplifying Privacy Policies. 2011,	4
1353	Remote protein homology detection using a modularity-based approach. 2011,	1
1352	Study of gene regulatory network based on graph. 2011,	2
1351	Social Community Analysis via a Factor Graph Model. 2011, 26, 58-65	11
1350	Impact of social structure on forwarding algorithms in opportunistic networks. 2011,	8
1349	Epidemic spread in adaptive networks with multitype agents. 2011, 44, 035101	22
1348	Efficient Calculation of Structural Similarity Threshold for the SCAN Network Clustering Algorithm. 2011,	

1347	Controlled consensus time for community detection in complex networks. 2011,	1
1346	From neural activation to symbolic alignment: A network-based approach to the formation of dialogue lexica. 2011,	1
1345	Parallelization of the functional flow algorithm for prediction of protein function using protein-protein interaction networks. 2011,	
1344	Efficient Parallel Graph Exploration on Multi-Core CPU and GPU. 2011,	166
1343	Community identification based on clustering coefficient. 2011,	0
1342	Using the relationship of shared neighbors to find hierarchical overlapping communities for effective connectivity in IoT. 2011,	2
1341	A novel method on software structure evaluation. 2011,	
1340	Generalized Louvain method for community detection in large networks. 2011,	79
1339	An Internet local routing approach based on network structural connectivity. 2011,	1
1338	A Robust Clustering Algorithm Based on Aggregated Heat Kernel Mapping. 2011,	11
1337	Finding Relational Community through Two Nodes. 2011,	
1336	Detecting Link Communities Based on Local Approach. 2011,	4
1335	Impact of Topological Characteristics on Consensus Building in Multiagent Systems. 2011, 11, 3377-3387	3
1334	Understanding a developer social network and its evolution. 2011,	43
1333	Object Oriented Software Clustering Based on Community Structure. 2011,	7
1332	On the generation of stable communities of users for dynamic mobile ad hoc social networks. 2011,	3
1331	Infinite multiple membership relational modeling for complex networks. 2011,	15
1330	Community detection using a neighborhood strength driven Label Propagation Algorithm. 2011,	68

1329	. 2011,			4
1328	Community Detection by Affinity Propagation with Various Similarity Measures. 2011,			0
1327	Finding Community Structure in Complex Networks Using Parallel Approach. 2011,			4
1326	Network soft partition based on topological potential. 2011,			
1325	Crossing Isoorthology and Microsynteny to Resolve Multigenic Families Functional Annotation. 2011,			
1324	Opinion Dynamics With Decaying Confidence: Application to Community Detection in Graphs. 2011, 56, 1862-1873			66
1323	Interplay between structure and dynamics in adaptive complex networks: emergence and amplification of modularity by adaptive dynamics. <i>Physical Review E</i> , 2011, 84, 016116	2.4		27
1322	A Method for Community Detection in Uncertain Networks. 2011,			9
1321	. 2011,			14
1320	Efficient and principled method for detecting communities in networks. <i>Physical Review E</i> , 2011, 84, 036103			213
1319	Using Network Science to Understand the Structure of Brazilian Popular Music. 2011,			
1318	Increasing the Lifetime of Roadside Sensor Networks Using Edge-Betweenness Clustering. 2011,			2
1317	Structural characteristics of gene networks for colon cancer. 2011,			1
1316	Fuzzy overlapping communities in networks. 2011, 2011, P02017			81
1315	Exploring the structural regularities in networks. <i>Physical Review E</i> , 2011, 84, 056111	2.4		44
1314	Detection of outliers and hubs using minimum spanning tree based on analytical perspective of degree numbers. 2011, 14, 475-488			1
1313	Using explosive percolation in analysis of real-world networks. <i>Physical Review E</i> , 2011, 83, 046112	2.4		37
1312	Network-based pipeline for analyzing MS data: an application toward liver cancer. 2011, 10, 2261-72			34

1311	Construction and analysis of gene networks for Arabidopsis. 2011,		
1310	Flow graphs: interweaving dynamics and structure. <i>Physical Review E</i> , 2011 , 84, 017102	2.4	52
1309	Limits of modularity maximization in community detection. <i>Physical Review E</i> , 2011 , 84, 066122	2.4	250
1308	Narrow scope for resolution-limit-free community detection. <i>Physical Review E</i> , 2011 , 84, 016114	2.4	174
1307	Communities and beyond: mesoscopic analysis of a large social network with complementary methods. <i>Physical Review E</i> , 2011 , 83, 056125	2.4	21
1306	Community Evolution in Dynamic Social Networks -- Challenges and Problems. 2011,		7
1305	File-Sharing Preference in a Peer-to-Peer Network. 2011 , 11, 43-51		2
1304	Co-clustering for Binary and Categorical Data with Maximum Modularity. 2011,		17
1303	Modeling Bipartite Graphs Using Hierarchical Structures. 2011,		2
1302	Enhancing Community Discovery and Characterization in VCoP Using Topic Models. 2011,		3
1301	Distributed Graph Clustering for Application in Wireless Networks. 2011 , 92-103		0
1300	Fast Community Detection Algorithm with GPUs and Multicore Architectures. 2011,		34
1299	Extracting Local Community Structure from Local Cores. 2011 , 287-298		5
1298	Functional and pharmacological MRI in understanding brain function at a systems level. 2011 , 7, 323-57		10
1297	Discovering Communities in Social Networks Using Topology and Attributes. 2011,		1
1296	Community Discovery in Social Networks: Applications, Methods and Emerging Trends. 2011 , 79-113		45
1295	A novel Quantitative Function of Communicability for Community Detection. 2011 , 15, 3277-3281		
1294	Set Pair Community Mining and Situation Analysis Based on Web Social Network. 2011 , 15, 3456-3460		2

1293	Brain anatomical networks in early human brain development. 2011 , 54, 1862-71			159
1292	Small-world directed networks in the human brain: multivariate Granger causality analysis of resting-state fMRI. 2011 , 54, 2683-94			131
1291	BUBBLE Rap: Social-Based Forwarding in Delay-Tolerant Networks. 2011 , 10, 1576-1589			789
1290	An extended bioreaction database that significantly improves reconstruction and analysis of genome-scale metabolic networks. 2011 , 3, 1071-86			18
1289	Evolution in Social Networks: A Survey. 2011 , 149-175			32
1288	Community Structures in Classical Network Models. 2011 , 7, 81-106			30
1287	Expression level, cellular compartment and metabolic network position all influence the average selective constraint on mammalian enzymes. 2011 , 11, 89			19
1286	Is There a Best Quality Metric for Graph Clusters?. 2011 , 44-59			36
1285	Memetic algorithm for community detection in networks. <i>Physical Review E</i> , 2011 , 84, 056101	2.4		150
1284	Enhancing synchronization by directionality in complex networks. <i>Physical Review E</i> , 2011 , 83, 045101	2.4		25
1283	Fitness evaluation for overlapping community detection in complex networks. 2011 ,			4
1282	Manifold learning in protein interactomes. 2011 , 18, 81-96			6
1281	Interarrival times of message propagation on directed networks. <i>Physical Review E</i> , 2011 , 84, 026112	2.4		6
1280	Local graph sparsification for scalable clustering. 2011 ,			81
1279	Network and profile based measures for user similarities on social networks. 2011 ,			32
1278	Finding Communities in Dynamic Social Networks. 2011 ,			42
1277	Host plant taxonomy and phenotype influence the structure of a neotropical host plant-beetle food web. 2011 , 36, 480-489			15
1276	Community mining in dynamic social networks [Clustering based improved ant colony algorithm. 2011 ,			0

1275	LICOD: Leaders Identification for Community Detection in Complex Networks. 2011,	13
1274	Finding communities in weighted networks through synchronization. 2011, 21, 043116	11
1273	Overlapping Community Structures and Their Detection on Social Networks. 2011,	11
1272	Semantics-Enhanced Privacy Recommendation for Social Networking Sites. 2011,	13
1271	Efficient Routing on Large Road Networks Using Hierarchical Communities. 2011, 12, 132-140	48
1270	Uncovering Overlapping Community Structure. 2011, 176-186	6
1269	A scalable eigensolver for large scale-free graphs using 2D graph partitioning. 2011,	16
1268	Multiple-membership communities detection in mobile networks. 2011,	3
1267	Community Detection in Dynamic Social Networks: A Random Walk Approach. 2011,	3
1266	Ant colony optimization for community detection in large-scale complex networks. 2011,	14
1265	Multilevel local search algorithms for modularity clustering. 2011, 16,	47
1264	Distributed Community Detection in Complex Networks. 2011,	2
1263	Distributed community detection: Finding neighborhoods in a complex world using synthetic coordinates. 2011,	2
1262	Detecting Communities in Sparse MANETs. 2011, 19, 1434-1447	8
1261	Clustering Large Attributed Graphs. 2011, 5, 1-33	81
1260	Fast Community Detection for Dynamic Complex Networks. 2011, 196-207	23
1259	Random digraphs with given expected degree sequences: A model for economic networks. 2011, 78, 396-411	23
1258	Network modeling and analysis of lumbar muscle surface EMG signals during flexion-extension in individuals with and without low back pain. 2011, 21, 913-21	3

1257	An efficient multiobjective evolutionary algorithm for community detection in social networks. 2011,	7
1256	A community detection algorithm for Web Usage Mining systems. 2011,	3
1255	Adaptive algorithms for detecting community structure in dynamic social networks. 2011,	100
1254	A social network approach to analyzing water governance: The case of the Mkindo catchment, Tanzania. 2011, 36, 1085-1092	73
1253	Division algorithm and interconnection strategy of restoration subsystems based on complex network theory. 2011, 5, 674	36
1252	Finding Top-k Shortest Path Distance Changes in an Evolutionary Network. 2011, 130-148	5
1251	Community Detection for Hierarchical Image Segmentation. 2011, 358-371	14
1250	Cognitive effort drives workspace configuration of human brain functional networks. 2011, 31, 8259-70	273
1249	Quantitative Similarity Evaluation of Internet Social Network Entities Based on Supernetwork. 2011 , 2011, 1-9	
1248	A Structural Clustering Algorithm for Large Networks. 2011,	
1247	The non-random brain: efficiency, economy, and complex dynamics. 2011, 5, 5	156
1246	Changes in cognitive state alter human functional brain networks. 2011, 5, 83	79
1245	Group-ICA Model Order Highlights Patterns of Functional Brain Connectivity. 2011, 5, 37	86
1244	Organization of Anti-Phase Synchronization Pattern in Neural Networks: What are the Key Factors?. 2011, 5, 100	19
1243	Using amino acid correlation and community detection algorithms to identify functional determinants in protein families. 2011, 6, e27786	24
1242	Finding statistically significant communities in networks. 2011, 6, e18961	596
1241	Mesoscopic effects in an agent-based bargaining model in regular lattices. 2011, 6, e17661	8
1240	Strength of social tie predicts cooperative investment in a human social network. 2011, 6, e18338	45

1239	Trust transitivity in social networks. 2011 , 6, e18384	30
1238	Towards online multiresolution community detection in large-scale networks. 2011 , 6, e23829	78
1237	Topological structure of the space of phenotypes: the case of RNA neutral networks. 2011 , 6, e26324	53
1236	Human communication dynamics in digital footsteps: a study of the agreement between self-reported ties and email networks. 2011 , 6, e26972	84
1235	Finding and testing network communities by lumped Markov chains. 2011 , 6, e27028	41
1234	BinTree seeking: a novel approach to mine both bi-sparse and cohesive modules in protein interaction networks. 2011 , 6, e27646	6
1233	The dichotomy in degree correlation of biological networks. 2011 , 6, e28322	24
1232	Protein Interaction Networks and Their Statistical Analysis. 2011 , 200-234	3
1231	Relationship between Surface Modifications of Nanoparticle and Invasion into Suspension Cells. 2011 , 304, 012051	
1230	Community discovery algorithm based on coincidence degree. 2011 ,	
1229	OLS Identification of network topologies. 2011 , 44, 8836-8841	
1228	Modules of human micro-RNA co-target network. 2011 , 297, 012002	1
1227	Spectral clustering and the high-dimensional stochastic blockmodel. 2011 , 39,	321
1226	Complex Networks from Colored Gaussian Noise. 2011 , 80, 074001	
1225	Visualizing bivariate long-tailed data. 2011 , 5,	1
1224	Analysis of the Structure and Evolution of an Open-Source Community. 2011 , 11,	3
1223	An Efficient Path Computation Approach for Road Networks Based on Hierarchical Communities. 2011 , 44, 13028-13033	
1222	Social Network Clustering and Visualization using Hierarchical Edge Bundles. 2011 , 30, 2314-2327	6

1221	The Community Structure of Research and Development Cooperation in Europe: Evidence from a Social Network Perspective. 2011 , 43, 415-432	27
1220	Component criticality in failure cascade processes of network systems. 2011 , 31, 1196-210	54
1219	Analysis of network architecture reveals phylogenetic constraints on mycorrhizal specificity in the genus <i>Orchis</i> (Orchidaceae). 2011 , 192, 518-28	100
1218	Abundance and site fidelity of Indo-Pacific Humpback dolphins in the Great Sandy Strait, Queensland, Australia. 2011 , 27, 255-281	38
1217	DELINQUENCY AND THE STRUCTURE OF ADOLESCENT PEER GROUPS. 2011 , 49, 95-127	97
1216	Community Evolution Mining in Dynamic Social Networks. 2011 , 22, 49-58	49
1215	A Network Representation of Households by Health Exclusion, Poverty, and Unemployment. 2011 , 22, 69-79	
1214	A new clustering method and its application in social networks. 2011 , 32, 2109-2118	25
1213	A validity index approach for network partitions. 2011 , 390, 3579-3591	0
1212	Networks for systems biology: conceptual connection of data and function. 2011 , 5, 185-207	93
1211	Applications, Architectures, and Protocol Design Issues for Mobile Social Networks: A Survey. 2011 , 99, 2130-2158	177
1210	Clustering linear discriminant analysis for MEG-based brain computer interfaces. 2011 , 19, 221-31	19
1209	Modularity detection in protein-protein interaction networks. 2011 , 4, 569	21
1208	Nested hierarchies in planar graphs. 2011 , 159, 2135-2146	18
1207	A framework for exploring organizational structure in dynamic social networks. 2011 , 51, 760-771	15
1206	Finding research trend of convergence technology based on Korean R&D network. 2011 , 38, 15159-15171	23
1205	Network-Based Functional Regions. 2011 , 43, 2723-2741	47
1204	Identifying communities by influence dynamics in social networks. <i>Physical Review E</i> , 2011 , 84, 046102	2.4 21

1203	Good versus optimal: Why network analytic methods need more systematic evaluation. 2011 , 1,	6
1202	Investigating the topology of interacting networks. 2011 , 84, 635-651	143
1201	Robust network community detection using balanced propagation. 2011 , 81, 353-362	113
1200	Detecting hidden spatial and spatio-temporal structures in glasses and complex physical systems by multiresolution network clustering. 2011 , 34, 105	46
1199	Entropy based community detection in augmented social networks. 2011 ,	28
1198	Graph theoretical analysis of human brain structural networks. 2011 , 22, 551-63	33
1197	Choosing the number of clusters. 2011 , 1, 252-260	46
1196	Clustering genes with expression and beyond. 2011 , 1, 496-511	
1195	Bibliometric mapping of computer and information ethics. 2011 , 13, 241-249	78
1194	Snapshot Centrality Indices in Dynamic FIFO Networks. 2011 , 10, 371-391	1
1193	The structure and analysis of nanotechnology co-author and citation networks. 2011 , 89, 119-138	20
1192	Community structure and patterns of scientific collaboration in Business and Management. 2011 , 89, 381-396	45
1191	Mapping scientific institutions. 2011 , 89, 943-954	49
1190	Detecting communities and their evolutions in dynamic social networks—Bayesian approach. 2011 , 82, 157-189	158
1189	Towards hierarchical context: unfolding visual community potential for interactive video retrieval. 2011 , 55, 151-178	2
1188	New Routes and Airport Connectivity. 2011 , 11, 713-725	19
1187	Community structure and dynamics in climate networks. 2011 , 37, 933-940	53
1186	Symmetry induced compression of discrete phase space. 2011 , 390, 2181-2191	9

1185	Community structure of complex software systems: Analysis and applications. 2011 , 390, 2968-2975	55
1184	Evolving scalable and modular adaptive networks with Developmental Symbolic Encoding. 2011 , 4, 145-163	9
1183	A graph clustering algorithm based on a clustering coefficient for \mathbb{R} -weighted graphs. 2011 , 17, 19-29	10
1182	Communities and hierarchical structures in dynamic social networks: analysis and visualization. 2011 , 1, 83-95	41
1181	Market basket analysis with networks. 2011 , 1, 97-113	42
1180	A Tabu-Search Heuristic for Deterministic Two-Mode Blockmodeling of Binary Network Matrices. 2011 , 76, 612-33	25
1179	Detecting Communities in K-Partite K-Uniform (Hyper)Networks. 2011 , 26, 778-791	11
1178	A Posteriori Approach for Community Detection. 2011 , 26, 792-805	
1177	Structure and collaboration relationship analysis in a scientific collaboration network. 2011 , 56, 3702-3706	4
1176	Identifying different community members in complex networks based on topology potential. 2011 , 5, 87-99	14
1175	Gaussian graphical modeling reconstructs pathway reactions from high-throughput metabolomics data. 2011 , 5, 21	207
1174	MINE: Module Identification in Networks. 2011 , 12, 192	75
1173	clusterMaker: a multi-algorithm clustering plugin for Cytoscape. 2011 , 12, 436	337
1172	Constructing a robust protein-protein interaction network by integrating multiple public databases. 2011 , 12 Suppl 10, S7	13
1171	Complex networks as a unified framework for descriptive analysis and predictive modeling in climate science. 2011 , 4, 497-511	83
1170	A classification for community discovery methods in complex networks. 2011 , 4, 512-546	210
1169	Network topology measures. 2011 , 3, 557-565	3
1168	Space to choose: network analysis of social preferences in a captive chimpanzee community, and implications for management. 2011 , 73, 748-57	38

1167	Social Organisation and Information Transfer in Schooling Fish. 2011 , 217-239	25
1166	Modeling topic and community structure in social tagging: The TTR-LDA-Community model. 2011 , 62, 1849-1866	7
1165	Enhancing sentence-level clustering with integrated and interactive frameworks for theme-based summarization. 2011 , 62, 2067-2082	8
1164	Detecting communities of triangles in complex networks using spectral optimization. 2011 , 34, 629-634	25
1163	Applications of graph theory to an English rhyming corpus. 2011 , 25, 655-678	6
1162	Spectral methods for graph clustering A survey. 2011 , 211, 221-231	109
1161	Communities and dynamical processes in a complex software network. 2011 , 390, 741-748	4
1160	Density-based shrinkage for revealing hierarchical and overlapping community structure in networks. 2011 , 390, 2160-2171	46
1159	Link prediction in complex networks: A survey. 2011 , 390, 1150-1170	1482
1158	On network entropy and bio-interactome applications. 2011 , 2, 144-152	4
1157	Communities of minima in local optima networks of combinatorial spaces. 2011 , 390, 1684-1694	28
1156	Identifying the community structure of the international-trade multi-network. 2011 , 390, 2051-2066	102
1155	Vulnerability metrics and analysis for communities in complex networks. 2011 , 96, 1360-1366	34
1154	Affinity Paths and information diffusion in social networks. 2011 , 33, 134-142	53
1153	Online collective identity: The case of the environmental movement. 2011 , 33, 177-190	97
1152	Post-processing hierarchical community structures: Quality improvements and multi-scale view. 2011 , 412, 892-900	26
1151	Discovering communities by information diffusion. 2011 ,	7
1150	Label-based routing for a family of scale-free, modular, planar and unclustered graphs. 2011 , 44, 205102	7

1149	Load-balanced migration of social media to content clouds. 2011,	21
1148	Community Discovery via Metagraph Factorization. 2011, 5, 1-44	30
1147	Mathematical network model for bone mineral density (BMD) and bone quality assessment. 2011,	1
1146	Enhancing synchronization in growing networks. 2011, 96, 58007	3
1145	Statistical mechanics of semi-supervised clustering in sparse graphs. 2011, 2011, P08009	2
1144	Community detection in collaborative environments. 2011,	
1143	Using complex network features for fast clustering in the web. 2011,	2
1142	Extracting the mesoscopic structure from heterogeneous systems. 2011,	2
1141	Social bookmark data mining using extended graph kernel. 2011,	
1140	A semantic clustering-based approach for searching and browsing tag spaces. 2011,	10
1139	Mining and visualizing developer networks from version control systems. 2011,	31
1138	A Markov random walk under constraint for discovering overlapping communities in complex networks. 2011, 2011, P05031	43
1137	Local-global interaction and the emergence of scale-free networks with community structures. 2011, 17, 263-79	8
1136	Structure visualization and analysis for software dependence network. 2011,	1
1135	Tracing the evolution of physics on the backbone of citation networks. <i>Physical Review E</i> , 2011, 84, 046104	12
1134	Comment on "Evolutionary method for finding communities in bipartite networks". <i>Physical Review E</i> , 2011, 84, 058101	2.4 7
1133	School score mining: First step. 2011,	1
1132	Geometric effects on complex network structure in the cortex. 2011, 107, 018102	70

1131	Reconstruction of topologies for acyclic networks of dynamical systems. 2011,		4
1130	A new measure to identify the hub in urban traffic networks. 2011,		
1129	EventGraphs: Charting Collections of Conference Connections. 2011,		13
1128	Improving community detection in networks by targeted node removal. <i>Physical Review E</i> , 2011 , 83, 016114	2.4	14
1127	Overlapping community detection using Bayesian non-negative matrix factorization. <i>Physical Review E</i> , 2011 , 83, 066114	2.4	227
1126	Assessing the consistency of community structure in complex networks. <i>Physical Review E</i> , 2011 , 84, 016111	2.4	43
1125	Evolutionary method for finding communities in bipartite networks. <i>Physical Review E</i> , 2011 , 83, 066120	2.4	28
1124	Variability of contact process in complex networks. 2011 , 21, 043130		14
1123	The brain as a complex system: using network science as a tool for understanding the brain. 2011 , 1, 295-308		169
1122	Particle Competition and Cooperation for Uncovering Network Overlap Community Structure. 2011 , 426-433		3
1121	Bifurcation community partitioning algorithm based on the extreme optimization. 2011,		
1120	Clustering drives assortativity and community structure in ensembles of networks. <i>Physical Review E</i> , 2011 , 84, 066117	2.4	33
1119	Seeding for pervasively overlapping communities. <i>Physical Review E</i> , 2011 , 83, 066107	2.4	14
1118	Dynamic Community Detection with Temporal Dirichlet Process. 2011,		5
1117	Community detection in graphs using singular value decomposition. <i>Physical Review E</i> , 2011 , 83, 046114	2.4	41
1116	Penalized versions of the Newman-Girvan modularity and their relation to normalized cuts and k-means clustering. <i>Physical Review E</i> , 2011 , 84, 016108	2.4	24
1115	SSDE-Cluster: Fast Overlapping Clustering of Networks Using Sampled Spectral Distance Embedding and GMMs. 2011,		16
1114	Tolerating the community detection resolution limit with edge weighting. <i>Physical Review E</i> , 2011 , 83, 056119	2.4	105

1113	A community detecting algorithm based on local information. 2011,		
1112	A general probabilistic framework for detecting community structure in networks. 2011,		9
1111	Application of social network to improve effectiveness of classifiers in churn modelling. 2011,		
1110	DIGRank. 2011,		0
1109	Exploit TIVs to Find Faster Paths. 2011,		
1108	Research of Network Consensus Guidance System Using Community Detection. 2011,		
1107	Social relevance of topological communities in ad hoc communication networks. 2011,		3
1106	SaMob: A Social Attributes Based Mobility Model for Ad Hoc Networks. 2011,		5
1105	A divide-link algorithm based on fuzzy similarity for clustering networks. 2011,		1
1104	Finding communities in linear time by developing the seeds. <i>Physical Review E</i> , 2011 , 84, 036109	2.4	6
1103	Source Code Partitioning in Program Optimization. 2011,		3
1102	A Maximal Clique Partition Method for Network Based on Granularity. 2011,		
1101	Competition between intra-community and inter-community synchronization and relevance in brain cortical networks. <i>Physical Review E</i> , 2011 , 84, 016109	2.4	19
1100	Towards Automatic Discovery of co-authorship Networks in the Brazilian Academic Areas. 2011,		6
1099	Mesoscopic analysis of networks: applications to exploratory analysis and data clustering. 2011 , 21, 016102		20
1098	Locally optimal heuristic for modularity maximization of networks. <i>Physical Review E</i> , 2011 , 83, 056105	2.4	31
1097	Unfolding communities in large complex networks: combining defensive and offensive label propagation for core extraction. <i>Physical Review E</i> , 2011 , 83, 036103	2.4	111
1096	Partitioning networks into communities by message passing. <i>Physical Review E</i> , 2011 , 83, 016115	2.4	15

1095	Parameterized centrality metric for network analysis. <i>Physical Review E</i> , 2011 , 83, 066118	2.4	28
1094	Asymptotic analysis of the stochastic block model for modular networks and its algorithmic applications. <i>Physical Review E</i> , 2011 , 84, 066106	2.4	346
1093	Compression of Flow Can Reveal Overlapping-Module Organization in Networks. 2011 , 1,		26
1092	Network community-detection enhancement by proper weighting. <i>Physical Review E</i> , 2011 , 83, 046104	2.4	46
1091	Hierarchical organization of brain functional networks during visual tasks. <i>Physical Review E</i> , 2011 , 84, 031923	2.4	13
1090	Percolation in interdependent and interconnected networks: abrupt change from second- to first-order transitions. <i>Physical Review E</i> , 2011 , 84, 066116	2.4	118
1089	Inference and phase transitions in the detection of modules in sparse networks. 2011 , 107, 065701		202
1088	Nonparametric search algorithm for outliers and hubs using minimum spanning tree. 2011 , 14, 489-502		1
1087	Triangles to Capture Social Cohesion. 2011 ,		19
1086	Partitioning directed graphs based on modularity and information flow. 2011 ,		3
1085	Email network analysis for leadership. 2011 ,		0
1084	. 2011 ,		17
1083	Detecting Link Communities in Massive Networks. 2011 ,		4
1082	Stability in flux: community structure in dynamic networks. 2011 , 8, 1031-40		24
1081	Non-traditional spectral clustering algorithms for the detection of community structure in complex networks: a comparative analysis. 2011 , 2011, P05012		7
1080	A perimotor framework reveals functional segmentation in the motoneuronal network controlling locomotion in <i>Caenorhabditis elegans</i> . 2011 , 31, 14611-23		35
1079	Finding Frames: Comparing Two Methods of Frame Analysis. 2011 , 5, 329-351		44
1078	A weight's agglomerative method for detecting communities in weighted networks based on weight's similarity. 2011 , 20, 040511		3

1077	Networks and the epidemiology of infectious disease. 2011 , 2011, 284909	224
1076	Emergence of Small-World and Limitations to Its Maximization in a Macaque Cerebral Cortical Network. 2011 , 28, 068703	
1075	Community detection with consideration of non-topological information. 2011 , 20, 018902	4
1074	Speeding up the MATLAB complex networks package using graphic processors. 2011 , 20, 098901	2
1073	Immunization for homogeneous networks with community structure. 2011 ,	
1072	Relations between structure and estimators in networks of dynamical systems. 2011 ,	10
1071	Multi-objective decisionmaking in the detection of comprehensive community structures. 2011 ,	2
1070	A New Community Structure Detection Method Based on Structural Similarity. 2011 ,	
1069	Community extraction for social networks. 2011 , 108, 7321-6	100
1068	Bootstrap clustering for graph partitioning. 2011 , 45, 339-352	9
1067	Calculating and Visualizing Network Metrics. 2011 , 69-78	8
1066	Clustering and Grouping. 2011 , 93-102	
1065	Uncovering space-independent communities in spatial networks. 2011 , 108, 7663-8	236
1064	Network Community Detection Based on Co-Neighbor Modularity Matrix with Spectral Clustering. 2011 , 55-57, 1237-1241	1
1063	An evolutionary algorithm for network clustering through traffic matrices. 2011 ,	0
1062	A Center-Based Community Detection Method in Weighted Networks. 2011 ,	2
1061	Homophily and Contagion Are Generically Confounded in Observational Social Network Studies. 2011 , 40, 211-239	540
1060	LEARNING OVERLAPPING COMMUNITIES IN COMPLEX NETWORKS VIA NON-NEGATIVE MATRIX FACTORIZATION. 2011 , 22, 1173-1190	9

1059	Biasing the evolution of modular neural networks. 2011,	4
1058	Compartmentalization increases food-web persistence. 2011, 108, 3648-52	356
1057	Different Approaches to Groups and Key Person Identification in Blogosphere. 2011,	2
1056	. 2011,	3
1055	Structural similarity micro clustering algorithm for local outliers and hubs using dynamic minimum spanning tree. 2011, 14, 227-247	
1054	Extraction of community transition rules from social bookmark data as graph sequence. 2011,	
1053	Structural similarity clustering for detection of outliers and hubs using minimum spanning tree. 2011, 14, 167-183	
1052	Causal and non-causal filtering for network reconstruction. 2011,	
1051	CLUSTERING FINANCIAL TIME SERIES BY NETWORK COMMUNITY ANALYSIS. 2011, 22, 35-50	17
1050	ANT COLONY OPTIMIZATION WITH A NEW RANDOM WALK MODEL FOR COMMUNITY DETECTION IN COMPLEX NETWORKS. 2011, 14, 795-815	15
1049	Gene Coexpression Networks for the Analysis of DNA Microarray Data. 2011, 215-250	31
1048	Community Detection in Biological Networks. 2011, 299-327	1
1047	Beyond the Expanders. 2011, 2011, 1-11	2
1046	A Link Analysis Extension of Correspondence Analysis for Mining Relational Databases. 2011, 23, 481-495	16
1045	Layered label propagation. 2011,	248
1044	Network analysis of OSS evolution. 2011,	6
1043	A Decision Support System for Placement of Intrusion Detection and Prevention Devices in Large-Scale Networks. 2011, 22, 1-26	33
1042	Interactive, multiscale navigation of large and complicated biological networks. 2011, 27, 1121-7	9

1041	Detecting network communities: an application to phylogenetic analysis. 2011 , 7, e1001131	16
1040	Comparing intermittency and network measurements of words and their dependence on authorship. 2011 , 13, 123024	35
1039	Hierarchical modular structure enhances the robustness of self-organized criticality in neural networks. 2012 , 14, 023005	42
1038	A framework for quantifying node-level community structure group differences in brain connectivity networks. 2012 , 15, 196-203	18
1037	Global synthesis of Searchlight reports using knowledge discovery and visualization. 2012 , 14, 468-488	1
1036	Quantitative Function for Community Detection. 2012 , 433-440, 6441-6446	1
1035	Bibliography. 2012 , 633-671	
1034	Robust detection of hierarchical communities from Escherichia coli gene expression data. 2012 , 8, e1002391	30
1033	HydroPaCe: understanding and predicting cross-inhibition in serine proteases through hydrophobic patch centroids. 2012 , 28, 342-9	13
1032	Efficient community-based control strategies in adaptive networks. 2012 , 14, 123017	27
1031	A Mathematical Programming Approach to Community Structure Detection in Complex Networks. 2012 , 30, 1387-1391	2
1030	A Power Network Partitioning Method Based on Local Similarity Measure. 2012 , 588-589, 364-367	
1029	The conundrum of functional brain networks: small-world efficiency or fractal modularity. 2012 , 3, 123	67
1028	Weighted phase lag index and graph analysis: preliminary investigation of functional connectivity during resting state in children. 2012 , 2012, 186353	24
1027	MINA. 2012 ,	2
1026	COGNITIVE NETWORK STRUCTURE: AN EXPERIMENTAL STUDY. 2012 , 15, 1250084	8
1025	Artefacts in statistical analyses of network motifs: general framework and application to metabolic networks. 2012 , 9, 3426-35	30
1024	An evolving network model with modular growth. 2012 , 21, 028904	6

1023	Enhancing transport efficiency by hybrid routing strategy. 2012 , 99, 20007	3
1022	Inferring Functional Annotation for Human Genes from Gene-PDB Structure Mapping. 2012 , 195-196, 391-396	
1021	Detecting Communities through Network Data. 2012 , 77, 1050-1063	21
1020	An iterative network partition algorithm for accurate identification of dense network modules. 2012 , 40, e18	14
1019	Nodal domain partition and the number of communities in networks. 2012 , 2012, P02012	3
1018	Discovering multirelational structure in social media streams. 2012 , 8, 1-28	13
1017	Enhancement of co-authorship networks with content-similarity information. 2012 ,	2
1016	Detecting community structure in networks using edge prediction methods. 2012 , 2012, P09008	13
1015	An empirical study on IMDb and its communities based on the network of co-reviewers. 2012 ,	3
1014	QSEAfor fuzzy subgraph querying of KEGG pathways. 2012 ,	1
1013	Shaping communities out of triangles. 2012 ,	38
1012	QUBE. 2012 ,	50
1011	Functional module identification by block modeling using simulated annealing with path relinking. 2012 ,	1
1010	Comparing two local methods for community detection in social networks. 2012 ,	1
1009	Clustering With Multi-Layer Graphs: A Spectral Perspective. 2012 , 60, 5820-5831	79
1008	Overlapping community discovery based on core nodes and LDA topic modeling. 2012 ,	
1007	A comparison between hierarchical clustering and community detection method in the collection of gene targets for molecular identification of pathogenic fungi. 2012 ,	
1006	Combining Relations and Text in Scientific Network Clustering. 2012 ,	21

1005	Unsupervised feature selection for linked social media data. 2012 ,		93
1004	A Multi-agent Based Approach to Clustering: Harnessing the Power of Agents. 2012 , 16-29		7
1003	Encoding dynamics for multiscale community detection: Markov time sweeping for the map equation. <i>Physical Review E</i> , 2012 , 86, 026112	2.4	46
1002	Overlapping community detection via network dynamics. <i>Physical Review E</i> , 2012 , 85, 016115	2.4	46
1001	Overview of metrics and their correlation patterns for multiple-metric topology analysis on heterogeneous graph ensembles. <i>Physical Review E</i> , 2012 , 85, 016117	2.4	84
1000	A Method for Local Community Detection by Finding Core Nodes. 2012 ,		7
999	. 2012 ,		17
998	Closed benchmarks for network community structure characterization. <i>Physical Review E</i> , 2012 , 85, 026109		11
997	Existence and significance of communities in the World Trade Web. <i>Physical Review E</i> , 2012 , 85, 066119	2.4	28
996	Effects of weak ties on epidemic predictability on community networks. 2012 , 22, 043124		31
995	Stability of Boolean networks with generalized canalizing rules. <i>Physical Review E</i> , 2012 , 85, 046106	2.4	3
994	Taxonomies of networks from community structure. <i>Physical Review E</i> , 2012 , 86, 036104-36104	2.4	69
993	Modularity optimization by conformational space annealing. <i>Physical Review E</i> , 2012 , 85, 056702	2.4	38
992	Multiscale ensemble clustering for finding modules in complex networks. <i>Physical Review E</i> , 2012 , 85, 026119	2.4	7
991	Bayesian community detection. 2012 , 24, 2434-56		24
990	Stability-to-instability transition in the structure of large-scale networks. <i>Physical Review E</i> , 2012 , 86, 066106	2.4	8
989	Network zoning based on community detection for urban traffic control. 2012 ,		1
988	Local Community Detection Using Seeds Expansion. 2012 ,		2

987	Spreading paths in partially observed social networks. <i>Physical Review E</i> , 2012 , 85, 036106	2.4	20
986	Communities and bottlenecks: trees and treelike networks have high modularity. <i>Physical Review E</i> , 2012 , 85, 066118	2.4	41
985	Traffic vs topology in network clustering: Does it matter?. 2012 ,		
984	Motifs insights from engineering systems architectures. 2012 , 18, 45-52		1
983	Community detection using parallel genetic algorithms. 2012 ,		3
982	Influence of network topology on sound propagation in granular materials. <i>Physical Review E</i> , 2012 , 86, 041306	2.4	79
981	Spread of infectious diseases in directed and modular metapopulation networks. <i>Physical Review E</i> , 2012 , 85, 066111	2.4	25
980	Multiscale characterization of recurrence-based phase space networks constructed from time series. 2012 , 22, 013107		45
979	Assessing scale-free scaling and robustness in an online community network. 2012 ,		
978	The Community Detection of Complex Networks Based on Markov Matrix Spectrum Optimization. 2012 ,		3
977	Identification of distributed systems with logical interaction structure. 2012 ,		0
976	. 2012 ,		
975	Identifying multiple infection sources in a network. 2012 ,		23
974	An Efficient Detecting Communities Algorithm with Self-Adapted Fuzzy C-Means Clustering in Complex Networks. 2012 ,		4
973	Identification of overlapping communities in protein interaction networks using multi-scale local information expansion. 2012 ,		
972	Using community detection to support decision making process. 2012 ,		1
971	Community Preserving Lossy Compression of Social Networks. 2012 ,		7
970	Community Clustering for Distributed Publish/Subscribe Systems. 2012 ,		4

969	Opinion formation in time-varying social networks: The case of the naming game. <i>Physical Review E</i> , 2012 , 86, 036110	2.4	21
968	Community detection for large scale social network sites. 2012 ,		
967	FINDING COMMUNITY STRUCTURE IN SPATIAL MARITIME SHIPPING NETWORKS. 2012 , 23, 1250044		9
966	DETECTION OF DISJOINT AND OVERLAPPING MODULES IN WEIGHTED COMPLEX NETWORKS. 2012 , 15, 1150023		8
965	Overlapping Community Detection via Leader-Based Local Expansion in Social Networks. 2012 ,		1
964	LOCATING COMMUNITIES ON REAL DATASET GRAPHS USING SYNTHETIC COORDINATES. 2012 , 22, 1240003		3
963	HIERARCHICAL MULTIREOLUTION METHOD TO OVERCOME THE RESOLUTION LIMIT IN COMPLEX NETWORKS. 2012 , 22, 1250171		18
962	Community Detection Based on an Improved Modularity. 2012 , 638-645		9
961	Detecting Community Structure of Complex Networks Based on Network Potential. 2012 , 449-457		
960	REVISITING MODULES (AND CENTERS) IN STAPHYLOCOCCUS AUREUS METABOLIC NETWORK WITH LINK CLUSTERING. 2012 , 20, 57-66		
959	Spatial organization and drivers of the virtual water trade: a community-structure analysis. 2012 , 7, 034007		41
958	Community Detection by Neighborhood Similarity. 2012 , 29, 048902		4
957	UNSUPERVISED CLUSTERING ANALYSIS: A MULTISCALE COMPLEX NETWORKS APPROACH. 2012 , 22, 1230023		6
956	Potts model based on a Markov process computation solves the community structure problem effectively. <i>Physical Review E</i> , 2012 , 86, 016109	2.4	48
955	Toward the Design of a Recommender System: Visual Clustering and Detecting Community Structure in a Web Usage Network. 2012 ,		5
954	Comparative study for inference of hidden classes in stochastic block models. 2012 , 2012, P12021		22
953	AN ANT-BASED ALGORITHM WITH LOCAL OPTIMIZATION FOR COMMUNITY DETECTION IN LARGE-SCALE NETWORKS. 2012 , 15, 1250036		8
952	UNFOLD SYNCHRONIZATION COMMUNITY STRUCTURE USING MARKOV AND SPECTRAL SIGNATURE. 2012 , 26, 1250171		

951	Multi-scale dynamics in a massive online social network. 2012,	33
950	IMMUNIZATION FOR COMPLEX NETWORK BASED ON THE EFFECTIVE DEGREE OF VERTEX. 2012, 26, 1250052	3
949	Network reconstruction of dynamical polytrees with unobserved nodes. 2012,	17
948	Community Detection by Analysing Spread of Behavior in Complex Networks. 2012,	
947	Generalized Structural Holes Finding Algorithm by Bisection in Social Communities. 2012,	8
946	Relative Validity Criteria for Community Mining Algorithms. 2012,	11
945	A Parallel Algorithm to Find Overlapping Community Structure in Directed and Weighted Complex Networks. 2012,	2
944	Identifying infection sources in large tree networks. 2012,	17
943	Cabinet Layout Optimization of Supercomputer Topologies for Shorter Cable Length. 2012,	10
942	The impact of component interconnections on software quality: A network analysis approach. 2012,	
941	The Rise and Fall of Small Worlds: Exploring the Dynamics of Social Structure. 2012, 23, 449-471	154
940	Community structure detection based on Potts model and network's spectral characterization. 2012, 97, 48005	42
939	Finding maximal k-edge-connected subgraphs from a large graph. 2012,	50
938	Remotely sensed image classification by complex network eigenvalue and connected degree. 2012, 2012, 632703	9
937	The network effect on technological innovation by the analysis of affiliation network. 2012, 14, 168-178	2
936	Community Extracting Using Intersection Graph and Content Analysis in Complex Network. 2012,	4
935	Traffic Dynamics on Complex Networks: A Survey. 2012, 2012, 1-23	55
934	A Vertex Similarity Probability Model for Finding Network Community Structure. 2012, 456-467	5

933	A Memetic Algorithm for Community Detection in Complex Networks. 2012 , 327-336	20
932	Detecting Overlapping Communities in Location-Based Social Networks. 2012 , 110-123	7
931	Dynamic network structure of interhemispheric coordination. 2012 , 109, 18661-8	109
930	Consensus clustering in complex networks. 2012 , 2, 336	427
929	Control range: a controllability-based index for node significance in directed networks. 2012 , 2012, P04011	21
928	Phase transitions in random Potts systems and the community detection problem: spin-glass type and dynamic perspectives. 2012 , 92, 406-445	40
927	Investigating City Characteristics Based on Community Profiling in LBSNs. 2012 ,	2
926	Assessing statistical significance when partitioning large-scale brain networks. 2012 ,	3
925	Global disorder transition in the community structure of large-q Potts systems. 2012 , 99, 38006	11
924	A New Definition of Modularity for Community Detection in Complex Networks. 2012 , 29, 098901	5
923	Graph Mining and Communities Detection. 2012 , 117-138	3
922	A Modularity Maximization Algorithm for Community Detection in Social Networks with Low Time Complexity. 2012 ,	5
921	The role of complementary bipartite visual analytical representations in the analysis of SNPs: a case study in ancestral informative markers. 2012 , 19, e5-e12	12
920	A algorithm based on the local module degree for community detection in complex networks. 2012 , ,	0
919	A Novel Similarity Measurement for Community Structure Detection. 2012 ,	
918	SPACE-INDEPENDENT COMMUNITY STRUCTURE DETECTION IN UNITED STATES AIR TRANSPORTATION. 2012 , 45, 1-6	
917	Extracting Communities of Interests for Semantics-Based Graph Searches. 2012 , E95.D, 932-941	
916	Identifying similar functional modules by a new hybrid spectral clustering method. 2012 , 6, 175-86	3

915	1.6.3 What Makes Motif Patterns of Engineering Systems Architectures to Look Alike?. 2012 , 22, 201-215	
914	The intrinsic connectome of the rat amygdala. 2012 , 6, 81	18
913	Lightweight and Distributed Connectivity-Based Clustering Derived from Schelling's Model. 2012 , E95.B, 2549-2557	
912	Do peers' parents matter? A new link between positive parenting and adolescent substance use. 2012 , 73, 423-33	26
911	ON THE MODULARITY OF "SKELETON-INFILL ARCHITECTURE" IN TERMS OF INFILL PLANNING OF TOWER CONDOMINIUMS. 2012 , 77, 1415-1422	
910	Non-negative sparse autoencoder neural networks for the detection of overlapping, hierarchical communities in networked datasets. 2012 , 22, 043141	2
909	A decaying factor accounts for contained activity in neuronal networks with no need of hierarchical or modular organization. 2012 , 2012, P11018	1
908	Community detection and analysis of community evolution in Apache Ant class collaboration networks. 2012 ,	3
907	Consistency of community detection in networks under degree-corrected stochastic block models. 2012 , 40,	149
906	References. 2012 , 329-340	
905	A Method of Analyzing Collective Behavior in a Swarm Robotic System Based on Clustering. 2012 , 78, 3529-3540	
904	Network interventions. 2012 , 337, 49-53	751
903	Focal brain lesions to critical locations cause widespread disruption of the modular organization of the brain. 2012 , 24, 1275-85	245
902	Detection and Interpretation of Communities in Complex Networks: Practical Methods and Application. 2012 , 81-113	10
901	An arrival-based framework for human mobility modeling. 2012 ,	6
900	A large-scale community structure analysis in Facebook. 2012 , 1,	46
899	On Detection of Community Structure in Dynamic Social Networks. 2012 , 307-347	
898	Mining blackhole and volcano patterns in directed graphs: a general approach. 2012 , 25, 577-602	19

- 897 Simultaneous classification and community detection on heterogeneous network data. **2012**, 25, 420-449 9
- 896 Clustering large attributed information networks: an efficient incremental computing approach. **2012**, 25, 450-477 26
- 895 A new methodology for constructing a publication-level classification system of science. **2012**, 63, 2378-2392 290
- 894 The binding mechanism, multiple binding modes, and allosteric regulation of *Staphylococcus aureus* Sortase A probed by molecular dynamics simulations. **2012**, 21, 1858-71 28
- 893 Multivariate and multiscale dependence in the global climate system revealed through complex networks. **2012**, 39, 889-895 89
- 892 The interplay between network structure and functioning of detritus-based communities in patchy aquatic environment. **2012**, 46, 431-441 9
- 891 Community structure in real-world networks from a non-parametrical synchronization-based dynamical approach. **2012**, 45, 1171-1179 1
- 890 A Multiobjective Go based Approach to Protein Complex Detection. **2012**, 4, 555-560 7
- 889 Efficient community identification in complex networks. **2012**, 2, 345-359 11
- 888 Defining and evaluating network communities based on ground-truth. **2012**, 173
- 887 Dynamical evolution of the community structure of complex earthquake network. **2012**, 99, 39001 12
- 886 Interactive Grouping of Friends in OSN: Towards Online Context Management. **2012**, 8
- 885 Identifying online communities of interest using side information. **2012**,
- 884 Discussion of the crossover method of interactive Genetic Algorithm for extracting multiple peaks on Kansei landscape. **2012**,
- 883 The co-evolution of socio-technical structures in sustainable software development: Lessons from the open source software communities. **2012**, 6
- 882 Community structure in P2P networks. **2012**,
- 881 Organizational Pattern Discovery Linked to Activities. **2012**,
- 880 A Game Theoretic Framework for Community Detection. **2012**, 9

879	Topological measure locating the effective crossover between segregation and integration in a modular network. 2012 , 108, 228701	26
878	A Computational Framework for Detecting Malicious Actors in Communities. 2012 ,	1
877	An overview on overlapping community detection. 2012 ,	2
876	Social Network Discovery from Multiple Log Data through a Behavior Model. 2012 ,	
875	Analyzing Voting Behavior in Italian Parliament: Group Cohesion and Evolution. 2012 ,	3
874	A dynamic network partition method for heterogenous urban traffic networks. 2012 ,	12
873	. 2012 ,	2
872	On Finding Fine-Granularity User Communities by Profile Decomposition. 2012 ,	1
871	Integration of multiple data sources for identifying functional modules using Bayesian network. 2012 ,	
870	Robustness Analysis of Network-Based Semi-supervised Learning Algorithms. 2012 ,	
869	How Online Social Network Affects Offline Events: A Case Study on Douban. 2012 ,	8
868	Improved Modularity Based on Girvan-Newman Modularity. 2012 ,	1
867	Visual Distance Measures for Object Retrieval. 2012 ,	1
866	Finding structural patterns in complex networks. 2012 ,	1
865	A new K-means algorithm for community structures detection based on fuzzy clustering. 2012 ,	1
864	A Characterization of the Modular Structure of Complex Networks Based on Consensual Communities. 2012 ,	
863	Embedding, clustering and coloring for dynamic maps. 2012 ,	16
862	Discovering community membership in biological networks with node topology potential. 2012 ,	3

861	Contracting community for computing maximum flow. 2012,	4
860	. 2012,	2
859	Three-layered architecture for teleoperators and its module arrangement. 2012,	
858	Effects of traffic network dynamics on hierarchical community-based representations of large road networks. 2012,	2
857	Finding community structure in complex network based on latent variables. 2012,	
856	Communities and Balance in Signed Networks: A Spectral Approach. 2012,	38
855	Lightweight Distributed Method for Connectivity-based Clustering Based on Schelling's Model. 2012,	0
854	Path-sharing: A new betweenness measure for community identification in networks. 2012,	
853	Extracting functional subgroups from an evolutionary robotic swarm by identifying the community structure. 2012,	2
852	A framework for entity resolution with efficient blocking. 2012,	
851	Geosocial Graph-Based Community Detection. 2012,	1
850	A Congestion Avoidance Routing Protocol for Cognitive Scale-Free Networks. 2012,	
849	Rat brains also have a default mode network. 2012, 109, 3979-84	386
848	. 2012,	
847	Defining and Evaluating Network Communities Based on Ground-Truth. 2012,	122
846	Extraction and Annotation of Personal Cliques from Social Networks. 2012,	1
845	Differentiating Your Friends for Scaling Online Social Networks. 2012,	3
844	. 2012,	13

843	Extraction of Key Papers Based on the PageRank Algorithm Using Variance Values of Cited Literature as Weighting. 2012,		
842	Event detection in evolving networks. 2012,		3
841	Discovering link communities in complex networks by exploiting link dynamics. 2012, 2012, P10015		15
840	. 2012,		
839	RankTopic: Ranking Based Topic Modeling. 2012,		12
838	Prediction-based outlier detection with explanations. 2012,		1
837	Detecting social cliques for automated privacy control in online social networks. 2012,		10
836	Detecting Probabilistic Community with Topic Modeling on Sampling SubGraphs. 2012,		
835	Computing with Spiking Neuron Networks. 2012, 335-376		96
834	Community identification in networks with unbalanced structure. <i>Physical Review E</i> , 2012, 85, 066114	2.4	25
833	Overlapping community detection via bounded nonnegative matrix tri-factorization. 2012,		73
832	Open Government and Citizen Participation in Law Enforcement via Crowd Mapping. 2012, 27, 63-69		11
831	Efficient and reliable network tomography in heterogeneous networks using BitTorrent broadcasts and clustering algorithms. 2012,		4
830	Algorithm for parametric community detection in networks. <i>Physical Review E</i> , 2012, 86, 016107	2.4	8
829	A dynamic algorithm for community detection in social networks. 2012,		1
828	A Survey on Social-Based Routing and Forwarding Protocols in Opportunistic Networks. 2012,		2
827	A Unified Probabilistic Framework for Name Disambiguation in Digital Library. 2012, 24, 975-987		141
826	Dissemination in opportunistic social networks. 2012,		72

825	Differential recruitment of the sensorimotor putamen and frontoparietal cortex during motor chunking in humans. 2012 , 74, 936-46	190
824	Limitation of multi-resolution methods in community detection. 2012 , 391, 4995-5003	20
823	Nonlinear growth in weighted networks with neighborhood preferential attachment. 2012 , 391, 4790-4797	8
822	A network function-based definition of communities in complex networks. 2012 , 22, 033129	4
821	Community detection in incomplete information networks. 2012 ,	54
820	Power of food moderates food craving, perceived control, and brain networks following a short-term post-absorptive state in older adults. 2012 , 58, 806-13	26
819	Community detection in spatial networks: Inferring land use from a planar graph of land cover objects. 2012 , 18, 274-282	22
818	Industry influenced evidence production in collaborative research communities: a network analysis. 2012 , 65, 535-43	9
817	The age of the "ome": genome, transcriptome and proteome data set collection and analysis. 2012 , 88, 294-301	8
816	Information dynamics algorithm for detecting communities in networks. 2012 , 17, 4294-4303	18
815	Reconstructing Models from Proteomics Data. 2012 , 23-80	
814	Maximum modular graphs. 2012 , 85, 1	6
813	Distributed flow optimization and cascading effects in weighted complex networks. 2012 , 85, 1	17
812	Multi-resolution modularity methods and their limitations in community detection. 2012 , 85, 1	13
811	Predicting glioblastoma prognosis networks using weighted gene co-expression network analysis on TCGA data. 2012 , 13 Suppl 2, S12	30
810	Convergent evolution of modularity in metabolic networks through different community structures. 2012 , 12, 181	13
809	Topological effects of data incompleteness of gene regulatory networks. 2012 , 6, 110	8
808	Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma. 2012 , 6, 38	18

807	Understanding Community Dynamics in Online Social Networks: A multidisciplinary review. 2012 , 29, 33-40	18
806	. 2012 , 24, 1216-1230	145
805	Social influence and spread dynamics in social networks. 2012 , 6, 611-620	9
804	Community Detection Using Label Propagation in Entropic Order. 2012 ,	4
803	Modularity-based graph partitioning using conditional expected models. <i>Physical Review E</i> , 2012 , 85, 016109	2.4 6
802	Overlapping community detection combining content and link. 2012 , 13, 828-839	1
801	Structural Vulnerability and Robustness in Complex Networks: Different Approaches and Relationships Between them. 2012 , 3-36	13
800	Genetic Algorithms for community detection in social networks. 2012 ,	10
799	Social networks community detection using the Shapley value. 2012 ,	10
798	Evolutionary detection of community structures in complex networks: A new fitness function. 2012 ,	5
797	An Enhanced Community Detection Method Based on Neighborhood Similarity. 2012 ,	
796	Communities of Communication: Making Sense of the Social In Social Media. 2012 , 30, 186-203	9
795	Breaking the speed and scalability Barriers for Graph exploration on distributed-memory machines. 2012 ,	28
794	Epidemic spreading on complex networks with community structure. 2012 , 219, 2829-2838	27
793	Quantifying protein modularity and evolvability: a comparison of different techniques. 2012 , 110, 22-33	8
792	Clustering of High Throughput Gene Expression Data. 2012 , 39, 3046-3061	72
791	Dense and sparse graph partition. 2012 , 160, 2389-2396	3
790	A semantic-based approach for searching and browsing tag spaces. 2012 , 54, 644-654	7

789	Discovering target groups in social networking sites: An effective method for maximizing joint influential power. 2012 , 11, 318-334	31
788	The discovery of population differences in network community structure: new methods and applications to brain functional networks in schizophrenia. 2012 , 59, 3889-900	149
787	Disrupted modular brain dynamics reflect cognitive dysfunction in Alzheimer's disease. 2012 , 59, 3085-93	160
786	Schizophrenia, neuroimaging and connectomics. 2012 , 62, 2296-314	503
785	A VNS heuristic for escaping local extrema entrapment in normalized cut clustering. 2012 , 45, 4337-4345	10
784	Detection of community structure in networks based on community coefficients. 2012 , 391, 6156-6164	11
783	A complex networks approach for data clustering. 2012 , 391, 6174-6183	15
782	Emergence of complex networks from diffusion on fractal lattices. A special case of the Sierpinski gasket and tetrahedron. 2012 , 376, 2917-2921	3
781	Knowledge flows [Analyzing the core literature of innovation, entrepreneurship and science and technology studies. 2012 , 41, 1205-1218	71
780	Bloom: A stochastic growth-based fast method of community detection in networks. 2012 , 3, 356-366	4
779	Topics in dynamic research communities: An exploratory study for the field of information retrieval. 2012 , 6, 140-153	48
778	A Heuristic Approach for Community Detection in Protein Networks. 2012 , 469-475	
777	Parallel Community Detection for Massive Graphs. 2012 , 286-296	26
776	Scalable Multi-threaded Community Detection in Social Networks. 2012 ,	30
775	Communities, modules and large-scale structure in networks. 2012 , 8, 25-31	457
774	Local Oriented Efficient Detection of Overlapping Communities in Large Networks. 2012 ,	0
773	. 2012 , 100, 2737-2758	16
772	Epigenetic regulation of condensin-mediated genome organization during the cell cycle and upon DNA damage through histone H3 lysine 56 acetylation. 2012 , 48, 532-46	65

771	Recent Developments in the Global Telecommunication Network. 2012,	3
770	Flows of research manuscripts among scientific journals reveal hidden submission patterns. 2012, 338, 1065-9	68
769	Computational Complexity. 2012, 490-512	55
768	Applying Sentiment and Social Network Analysis in User Modeling. 2012, 526-539	3
767	An improved memetic algorithm for community detection in complex networks. 2012,	9
766	Community Detection in Social Networks Using Information Diffusion. 2012,	14
765	Community Detection in Social and Biological Networks Using Differential Evolution. 2012, 71-85	30
764	Detecting Communities in Complex Networks Using Formal Concept Analysis. 2022, 77-105	
763	Understanding Communities From a New Functional Perspective in Power Grids. 2022, 1-12	0
762	Ecosystem Trophic Structure and Dynamics: Basic Concepts. 2022, 31-46	
761	Efficient algorithm based on non-backtracking matrix for community detection in signed networks. 2022, 1-1	1
760	Social Network Analysis of Two Networks: Adolescent School Network and Bitcoin Trader Network.	
759	A Comparative Study of Meta-Data Based Microservice Extraction Tools. 2022, 13, 0-0	
758	Topic Evolution of Chinese COVID-19 Policies Based on Co-Occurrence Clustering Network Analysis. 2022, 14, 2411	0
757	Selecting Graph Metrics with Ecological Significance for Deepening Landscape Characterization: Review and Applications. 2022, 11, 338	
756	Assessment of AUC and fold change for precision medicine.	
755	An iterated local search algorithm for community detection in signed networks.	
754	Discovering Organizational Hierarchy through a Corporate Ranking Algorithm: The Enron Case. 2022, 2022, 1-18	1

753	Fifteen years of the Social Responsibility Journal: a retrospective using bibliometric analysis. 2022 , ahead-of-print,	0
752	Cuckoo search in threshold optimization for better event detection in social networks. 2022 , 12, 1	0
751	NOCD: a new overlapping community detection algorithm based on improved KNN. 1	0
750	DNA barcoding uncovers cryptic diversity in minute herbivorous mites (Acari, Eriophyoidea).. 2022 ,	3
749	Analysis and Assessment of Risk Factors for Risk Response in Small and Medium-sized Company Projects. 2022 , 32, 39-52	
748	Network communication models narrow the gap between the modular organization of structural and functional brain networks.	0
747	Green energy: identifying development trends in society using Twitter data mining to make strategic decisions.	0
746	Multiple Ant Colony Algorithm Combining Community Relationship Network.. 2022 , 1-16	1
745	On the modularity of 3-regular random graphs and random graphs with given degree sequences.	1
744	Extract Descriptors for Point Cloud Registration by Graph Clustering Attention Network. 2022 , 11, 686	
743	Detect Megaregional Communities Using Network Science Analytics. 2022 , 6, 12	2
742	Characterizing multiscale modular structures in medication-free obsessive-compulsive disorder patients with no comorbidity.. 2022 ,	1
741	A first look at references from the dark to the surface web world: a case study in Tor. 1	0
740	A New Evolutionary Model Based on Cellular Learning Automata and Chaos Theory. 1	0
739	The ecology of human behavior: A network perspective. 205979912210779	0
738	Highly Connected and Highly Variable: A Core Brain Network during Resting State Supports Propofol-induced Unconsciousness.	
737	Graph clustering via generalized colorings. 2022 ,	
736	Asymmetric Relatedness from Partial Correlation.. 2022 , 24,	0

735	Detecting Local Opinion Leader in Semantic Social Networks: A Community-Based Approach. 2022 , 10,	
734	Social foraging can benefit artisanal fishers who interact with wild dolphins. 2022 , 76, 1	1
733	The drivers of collaborative innovation of the comprehensive utilization technologies of coal fly ash in China: a network analysis.. 2022 , 1	1
732	Hierarchical organization of spontaneous co-fluctuations in densely-sampled individuals using fMRI.	0
731	An interaction-based method for detecting overlapping community structure in real-world networks. 1	1
730	An improved cuckoo search optimization algorithm with genetic algorithm for community detection in complex networks. 1	2
729	Center-periphery structure in research communities. 1-26	1
728	Identifying robust functional modules using three-body correlations in Escherichia coli. 2022 , 3, 015013	
727	Functional Similarities of Protein-Coding Genes in Topologically Associating Domains and Spatially-Proximate Genomic Regions.. 2022 , 13,	
726	Reactive nitrogen restructures and weakens microbial controls of soil NO emissions.. 2022 , 5, 273	1
725	Social cognitive network neuroscience.. 2022 ,	2
724	Computational Network Inference for Bacterial Interactomics.. 2022 , e0145621	
723	Density-based clustering of social networks.	
722	Modular Clustering of UAV Launch System Architecture Based on HDDSM. 2022 , 9, 168	0
721	Cold Chain Food and COVID-19 Transmission Risk: From the Perspective of Consumption and Trade.. 2022 , 11,	0
720	A patch-dynamic metacommunity perspective on the persistence of mutualistic and antagonistic bipartite networks.. 2022 , e3686	1
719	Sustainable Entrepreneurship: Mapping the Business Landscape for the Last 20 Years. 2022 , 14, 3864	2
718	Politicians's willingness to agree: evidence from the interactions in twitter of Chilean deputies. 1-20	

717	Discovering community structure in social networks based on the synergy of label propagation and simulated annealing. 1	0
716	Troxerutin-Mediated Complement Pathway Inhibition is a Disease-Modifying Treatment for Inflammatory Arthritis.. 2022, 10, 845457	
715	Mapping the Corporate Governance Scholarship [Current State and Future Directions.	0
714	Revealing Dynamic Spatial Structures of Urban Mobility Networks and the Underlying Evolutionary Patterns. 2022, 11, 237	0
713	Multifunctionality of belowground food webs: resource, size and spatial energy channels.. 2022,	2
712	Homophily and Polarization in Twitter Political Networks: A Cross-Country Analysis. 2022, 10,	1
711	Adaptive Renewal of Mountainous Historical Towns Based on the Stability of the Social Network Structure: A Case Study in Chongqing, China.. 2022, 10, 867407	
710	Using social network analysis methods to identify networks of physicians responsible for the care of specific patient populations.. 2022, 22, 462	1
709	Information Diffusion-aware Likelihood Maximization Optimization for Community Detection. 2022	0
708	Persistence in complex systems. 2022, 957, 1-73	1
707	A novel approach to analyze the isolation valve system based on the Complex Network Theory.	0
706	Intrinsic Shapes of Empathy: Functional Brain Network Topology Encodes Intersubjective Experience and Awareness Traits.. 2022, 12,	0
705	Contemporary Accounting Research: A Retrospective between 1984 and 2021 Using Bibliometric Analysis[]	2
704	Reduced Modular Segregation of White Matter Brain Networks in Attention Deficit Hyperactivity Disorder.. 2022, 10870547221085505	0
703	Asymptotically efficient estimators for stochastic blockmodels: The naive MLE, the rank-constrained MLE, and the spectral estimator. 2022, 28,	3
702	PMCDM: Privacy-preserving multiresolution community detection in multiplex networks. 2022, 244, 108542	1
701	Remedies to the PPP Crisis in the Covid-19 Pandemic: Lessons from the 2008 Global Financial Crisis. 2022, 38,	3
700	Disintegrating constant communities in complex networks. 2022, 61, 101634	0

699 A network analysis of decision strategies of human experts in steel manufacturing. **2022**, 168, 108120

698 Multilayer patent citation networks: A comprehensive analytical framework for studying explicit technological relationships. **2022**, 179, 121628 2

697 Does syndicating bring syndicating ?An exploration targeting ECF based on social structure by complex network analysis. **2022**, 70, 228-239 0

696 Normalized discrete Ricci flow used in community detection. **2022**, 597, 127251

695 A computational approach to Homans Social Exchange Theory. **2022**, 597, 127263

694 Towards scaling community detection on distributed-memory heterogeneous systems. **2022**, 111, 102898 0

693 An overview of graph covering and partitioning. **2022**, 345, 112884 0

692 Epistemic phase transitions in mathematical proofs.. **2022**, 225, 105120

691 Multi-relation Graph Summarization. **2022**, 16, 1-30 2

690 Bitcoin Mining Recognition Based on Community Detection with Electricity Consumption Data. **2021**, 0

689 Industry Community And Core Industry Detection Base On Electricity Consumption Data. **2021**, 0

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

687 Data Mining Techniques to Build A Recommender System. **2021**,

686 Toponym Based Community Search in Large Social Network. **2021**,

685 Truth and travesty intertwined. **2021**, 0

684 Community Detection on Social Network Using Community Diffusion with Social Influence Similarity. **2021**,

683 Semantic user profile enrichment in collective intelligence context: a Healthcare case study. **2021**,

682 Role Discovery in Observed Multi-Agent Systems Over Time through Matrix Factorization. **2021**,

- 681 Motif-based embedding label propagation algorithm for community detection. **2022**, 37, 1880-1902 2
- 680 Community Detection for Weighted Networks with Unknown Number of Communities. **2021**, 42, 3158-3172
- 679 Modularity and Dynamics on Complex Networks. **2022**, 1
- 678 Anomaly Detection in Evolutionary Social Networks leveraging Community Structure. **2021**,
- 677 Product Development in the Automotive Industry in the Context of Industry 4.0 - A Bibliometric Analysis. **2021**,
- 676 Centrality-Weighted Opinion Dynamics: Disagreement and Social Network Partition. **2021**, 0
- 675 The modularity of random graphs on the hyperbolic plane. **2021**, 10, 2
- 674 Multi-agent coverage control based on improved community discovery algorithm. **2021**,
- 673 Incremental methods for community detection in both fully and growing dynamic networks. **2021**, 13, 220-250 1
- 672 Is entrepreneurship an emerging area of research? A computational response.
- 671 Connecting the dots: The boons and banes of network modeling.. **2021**, 2, 100374 0
- 670 PASCAL-G: a Probabilistic Stream Clustering Analysis on Graphs. **2021**,
- 669 Protein Organization with Manifold Exploration and Spectral Clustering. 1
- 668 Refinement for community structures of bipartite networks. **2021**, 79, 1190-1198
- 667 Pathways to recovery from COVID-19: characterizing input-output linkages of a targeted sector.. **2021**, 10, 29
- 666 Altered brain functional network dynamics in classic trigeminal neuralgia: a resting-state functional magnetic resonance imaging study.. **2021**, 22, 147 0
- 665 Incremental Clustering Algorithms for Massive Dynamic Graphs. **2021**,
- 664 Self-Similarity of Twitter Users. **2021**,

663	Construction and stochastic scale-free modelling of empirical, global, index-case SARS-CoV-2 transmission network. 2021 , 10,	
662	Adapting k-means for graph clustering. 2022 , 64, 115-142	3
661	Management of invasive alien species in Spain: A bibliometric review. 70, 123-150	0
660	Development of Risk Assessment Sheets for Risk Management in Small and Medium-sized Company Projects. 2021 , 31, 503-506	
659	Research themes of family and community physicians in Brazil.	0
658	Structure and dynamics of human disease-complication network.	
657	A Complex Network Clustering and Phase Transition Models for Stock Price Dynamics before Crashes. 2021 , 9, 116-127	
656	Community Detection Based on Density Peak Clustering Model and Multiple Attribute Decision-Making Strategy TOPSIS. 2021 , 2021, 1-18	2
655	How political choices shaped Covid connectivity: The Italian case study. 2021 , 16, e0261041	1
654	Personalization of the collaborator recommendation system in multi-layer scientific social networks: A case study of ResearchGate.	0
653	From Diversity to Complexity: Microbial Networks in Soils.	
652	Weak ties Discovery Based on Network Representation Learning and Structural Features. 2021 ,	
651	A computational exploration of resilience and evolvability of protein-protein interaction networks. 2021 , 4, 1352	0
650	Comparing alternatives to the fixed degree sequence model for extracting the backbone of bipartite projections.. 2021 , 11, 23929	3
649	Cyber Insurance Ratemaking: A Graph Mining Approach. 2021 , 9, 224	1
648	Navigating Disconnected Social Circles: Experiences and Personal Networks of Latino/a Adolescents in the U.S. Rural South. 0044118X2110592	
647	Network Analysis of Microarray Data.. 2022 , 2401, 161-186	2
646	APPLICATION OF PERCOLATION PROPERTIES TO COUNTER THE SPREAD OF DESTRUCTIVE PSYCHOLOGICAL INFLUENCE IN SOCIAL NETWORKS. 2021 , 74-82	

- 645 Scalable Community Extraction of Text Networks for Automated Grouping in Medical Databases. **2022**, 1-20 1
- 644 A Novel Cutting Double k-Clique Spanning Tree Method for Coalition Detection from Brain Functional Networks. **2022**, 83-95
- 643 Research on Dynamic Community Detection Method Based on an Improved Pity Beetle Algorithm. **2022**, 1-1 1
- 642 Sex differences in migration timing influence the network structure of avian assemblages at a stopover site.
- 641 A Crowd Equivalence-Based Massive Member Model Generation Method for Crowd Science Simulations. **2022**, 6, 23
- 640 Identification of protein complexes by overlapping community detection algorithms: A comparative study. **2022**,
- 639 Hierarchical Computational Modeling and Dynamic Network Analysis of Allosteric Regulation in the SARS-CoV-2 Spike Omicron Trimer Structures: Omicron Mutations Cooperate to Allosterically Control Balance of Protein Stability and Conformational Adaptability.
- 638 Metacell-2: a divide-and-conquer metacell algorithm for scalable scRNA-seq analysis.. **2022**, 23, 100 0
- 637 Bipartite network models to design combination therapies in acute myeloid leukaemia.. **2022**, 13, 2128 1
- 636 Increased global integration in the brain after psilocybin therapy for depression.. **2022**, 9
- 635 Critical transitions in the hydrological system: early-warning signals and network analysis. **2022**, 26, 1845-1856 1
- 634 Enhanced density peak-based community detection algorithm. 1 0
- 633 Clustering as a dual problem to colouring. **2022**, 41, 1
- 632 A Novel Method for Identifying Microservices by Considering Quality Expectations and Deployment Constraints. 1-21
- 631 Three decades of interactive learning environments: a retrospective bibliometric network analysis. 1-20 2
- 630 Innovations in freight transport: a systematic literature evaluation and COVID implications. **2022**, ahead-of-print, 0
- 629 Identification of critical stations in multilayer railway networks based on evidence theory.
- 628 A complex network community detection algorithm based on random walk and label propagation.

627 Brain Functional Connectivity Asymmetry: Left Hemisphere Is More Modular. **2022**, 14, 833

626 Local structure-function relationships in human brain networks across the lifespan.. **2022**, 13, 2053

1

625 Leaf trait network architecture shifts with species-richness and climate across forests at continental scale.. **2022**,

1

624 Quadratic Optimization based Clique Expansion for overlapping community detection. **2022**, 108760

0

623 Wicking dynamics in yarns. **2022**,

0

622 Community Reaction Network Reduction for Constructing a Coarse-Grained Representation of Combustion Reaction Mechanisms.. **2022**,

0

621 Drivers of plant individual-based pollinator visitation network topology in an arid ecosystem. **2022**, 50, 101003

620 Data_sheet_1.xls. **2018**,

619 Data_Sheet_2.XLS. **2018**,

618 Image_1.TIF. **2018**,

617 Image_2.TIF. **2018**,

616 Image_3.TIF. **2018**,

615 Image_4.TIF. **2018**,

614 Table_1.xlsx. **2019**,

613 Table_1.XLSX. **2019**,

612 Table_2.XLSX. **2019**,

611 Table_3.XLSX. **2019**,

610 Table_4.XLSX. **2019**,

609 DataSheet_1.pdf. **2019**,

608 DataSheet_2.pdf. **2019**,

607 DataSheet_3.pdf. **2019**,

606 DataSheet_1.pdf. **2019**,

605 DataSheet_2.pdf. **2019**,

604 DataSheet_3.csv. **2019**,

603 DataSheet_4.csv. **2019**,

602 Image_1.png. **2019**,

601 Data_Sheet_1.docx. **2018**,

600 Table_1.docx. **2018**,

599 Table_2.docx. **2018**,

598 Table_3.xlsx. **2018**,

597 Table_4.xlsx. **2018**,

596 Table_5.xlsx. **2018**,

595 Table_6.docx. **2018**,

594 Table_7.docx. **2018**,

593 Data_Sheet_1.DOCX. **2020**,

592 Table_1.DOCX. **2020**,

591 Table_2.XLSX. 2020,

590 Table_3.DOCX. 2020,

589 Data_Sheet_1.pdf. 2019,

588 Image_1.pdf. 2019,

587 Table_1.xlsx. 2019,

586 Table_2.xlsx. 2019,

585 Table_3.xlsx. 2019,

584 Table_4.pdf. 2019,

583 Table_5.xlsx. 2019,

582 Table_6.xlsx. 2019,

581 Data_Sheet_1.xls. 2019,

580 Data_Sheet_2.xls. 2019,

579 Data_Sheet_3.pdf. 2019,

578 Data_Sheet_4.pdf. 2019,

577 Data_Sheet_5.pdf. 2019,

576 Data_Sheet_1.XLS. 2018,

575 Image_1.PDF. 2018,

574 Image_2.PDF. 2018,

573 Image_3.PDF. 2018,

572 Data_Sheet_1.docx. 2019,

571 Table_1.DOCX. 2020,

570 Table_1.docx. 2019,

569 Table_3.xlsx. 2019,

568 Data_Sheet_1.docx. 2019,

567 Image_1.TIF. 2019,

566 Data_Sheet_1.docx. 2018,

565 Table_1.DOCX. 2018,

564 Table_2.DOCX. 2018,

563 Table_3.DOCX. 2018,

562 Table_4.DOCX. 2018,

561 Table_5.DOCX. 2018,

560 Image1.PDF. 2018,

559 Image2.pdf. 2018,

558 Image3.pdf. 2018,

557 Presentation1.PDF. 2018,

556 DataSheet_1.docx. 2020,

555 DataSheet1.DOCX. **2017**,

554 DataSheet2.docx. **2017**,

553 Presentation_1.pdf. **2020**,

552 Data_Sheet_1.CSV. **2020**,

551 Data_Sheet_2.pdf. **2020**,

550 Table_1.docx. **2020**,

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

2

548 Learning Brain Dynamics of Evolving Manifold Functional MRI Data Using Geometric-Attention Neural Network.. **2022**, PP,

2

547 Communities in world input-output network: Robustness and rankings.. **2022**, 17, e0264623

546 Discovering Multiple Clusters of Second-Hand Luxury Goods for Profit Improvement Using Network Motif. **2022**, 438-448

545 LongArms: Fraud Prediction in Online Lending Services Using Sparse Knowledge Graph. **2022**, 1-1

544 OUP accepted manuscript.

543 Increased salt intake is associated with diabetes and characteristic dietary habits: a community-based cross-sectional study in Japan. **2022**,

542 Network Assembly. **2022**, 109-204

541 Flow-Based Community Detection in Hypergraphs. **2022**, 141-161

o

540 OUP accepted manuscript.

o

539 Deep graph clustering with enhanced feature representations for community detection.

538 From Coherence to Multivariate Causal Estimators of EEG Connectivity.. **2022**, 13, 868294

- 537 The climatic interdependence of extreme-rainfall events around the globe.. **2022**, 32, 043126 0
- 536 Three decades of halal food scholarly publications: A PubMed bibliometric network analysis. 1
- 535 A Unifying Statistical Framework to Discover Disease Genes from GWAS.
- 534 Evolving industrial districts and changing innovation patterns: the case of Montreal. **2022**, ahead-of-print,
- 533 Dynamic community detection over evolving networks based on the optimized deep graph infomax. **2022**, 32, 053119 1
- 532 Using network analyses to examine the extent to which and in what ways psychology is multidisciplinary. **2022**, 9, 0
- 531 A social network analysis of two networks: Adolescent school network and Bitcoin trader network. **2022**, 100065 1
- 530 Robustness modularity in complex networks. *Physical Review E*, **2022**, 105, 2.4 0
- 529 Probabilistically Weighted Multilayer Networks disclose the link between default mode network instability and psychosis-like experiences in healthy adults.. **2022**, 119291 1
- 528 A Multi-label Propagation Algorithm for Community Detection Based on Average Mutual Information. **2022**, 2022, 1-16 0
- 527 Multilayer cellular learning automata: A computational model to solve multilayer infrastructure problems with its application in community detection for multilayer networks. **2022**, 61, 101683
- 526 Social synchronization of brain activity increases during eye-contact.. **2022**, 5, 412
- 525 Social network development in classrooms. **2022**, 7,
- 524 Uncovering shape signatures of resting-state functional connectivity by geometric deep learning on Riemannian manifold.. **2022**, 1
- 523 Flow stability for dynamic community detection.. **2022**, 8, eabj3063 0
- 522 Uncovering in vivo biochemical patterns from time-series metabolic dynamics.. **2022**, 17, e0268394
- 521 Abnormalities of Structural Brain Connectivity in Pediatric Brain Tumor Survivors.
- 520 Trends and Hotspots in Nanoparticles for the Targeted Delivery of Nucleic Acids: A Ten-Year Bibliometric Study. **2022**, 13, 0

- 519 A Software Vulnerability Detection Method Based on Complex Network Community. **2022**, 2022, 1-14
- 518 Political Networks and Stock Price Comovement: Evidence from network-connected firms in China. ○
- 517 Adipose-Derived Stem Cells Exosomes Improve Fat Graft Survival by Promoting Prolipogenetic Abilities through Wnt/-Catenin Pathway.. **2022**, 2022, 5014895 ○
- 516 A database for retrieving information on SARS-CoV-2 S protein mutations based on correlation network analysis.. **2022**, 23, 34
- 515 A Bayesian network structure learning approach to identify genes associated with stress in spleens of chickens.. **2022**, 12, 7482
- 514 Dynamics and disruption: Structural and individual changes in two Dutch Jihadi networks after police interventions. **2022**, 70, 364-374 ○
- 513 The role of influential nodes and their influence domain in community detection: An approximate method for maximizing modularity. **2022**, 202, 117452 ○
- 512 The Network Structure of Occupations: Fragmentation, Differentiation, and Contagion. **2022**, 127, 1551-1601 ○
- 511 Patterns and drivers of species co-occurrence networks in a tropical stream fish metacommunity. 1
- 510 Using Network Science and Psycholinguistic Megastudies to Examine the Dimensions of Phonological Similarity.. **2022**, 238309221095455 1
- 509 Estimating the number of communities by spectral methods. **2022**, 16, 2
- 508 Research on Overlapping Community Detection Based on Density Peak Clustering in Heterogeneous Networks. **2022**,
- 507 Mutually exclusive spectral biclustering and its applications in cancer subtyping.
- 506 Tracking Transfer of Carbon Dioxide Emissions to Countries along the Silk Roads Through Global Value Chains.
- 505 2-Hop Routing Strategy for Overlapping Communities based on Social Intimacy. **2022**, ○
- 504 SARNMF: A Community Detection Method for Attributed Networks. **2022**,
- 503 Redefining the simplicity of the craniomandibular complex of nightjars: The case of *Systellura longirostris* (Aves: Caprimulgidae) by means of anatomical network analysis.
- 502 SSPCO: A new particle propagation model for community detection in complex network. ○

- 501 Personnel Review at age 50: a retrospective using bibliometric analysis. **2022**, ahead-of-print, 0
- 500 Network communication models narrow the gap between the modular organization of structural and functional brain networks. **2022**, 257, 119323 0
- 499 Effective Community Detection Algorithm Based on Edge Influence Weight. **2022**,
- 498 Foundations of knowledge management: intellectual structure and citation drivers of the *Journal of Knowledge Management*. **2022**, ahead-of-print, 0
- 497 The medical health venture capital network community structure, information dissemination and the cognitive proximity. **2022**,
- 496 Hierarchical memory representation of verbal and nonverbal features for emotion.
- 495 The emergence of graphene research topics through interactions within and beyond. 1-37
- 494 Hierarchical clustering method of volumetric vortical regions with application to the late stage of laminar-turbulent transition. **2022**, 7,
- 493 A network analysis to identify lung cancer comorbid diseases. **2022**, 7,
- 492 A pairwise strategic network formation model with group heterogeneity: With an application to international travel. 1-20
- 491 Null models in network neuroscience. 1
- 490 Protein painting reveals pervasive remodeling of conserved proteostasis machinery in response to pharmacological stimuli..
- 489 A GNN-Based Variable Partition Framework for DCOPs. **2022**, 2022, 1-10
- 488 Molecular Network Analyses Implicate Death-Associated Protein Kinase 3 (DAPK3) as a Key Factor in Colitis-Associated Dysplasia Progression. 1
- 487 Potts model solver based on hybrid physical and digital architecture. **2022**, 5, 1
- 486 A mathematical programming approach to overlapping community detection. **2022**, 127628 0
- 485 The expanding horizons of network neuroscience: From description to prediction and control. **2022**, 119250 0
- 484 Networks of Twin Peaks: The Dale Cooper Effect.

- 483 Social network security using genetic algorithm. ○
- 482 Adaptive decoupling planning method for the product crowdsourcing design tasks based on knowledge reuse. **2022**, 117525
- 481 Causality Between International Trade and International Patenting: A Combination of Network Analysis and Granger Causality.
- 480 Quantification of network structural dissimilarities based on network embedding. **2022**, 25, 104446 1
- 479 Multi-Constrained Embedding for Accurate Community Detection on Undirected Networks. **2022**, 1-1 4
- 478 Multi-step locally expansion detection method using dispersed seeds for overlapping community. **2022**, 47, 02008
- 477 Exploring Citation Networks for Community Detection. ○
- 476 A Community Detection Algorithm Based on Correlation Analysis of Connection Pattern. **2022**, ○
- 475 Identification of transcriptional network disruptions in drug-resistant prostate cancer with TraRe.
- 474 Mean-field theory of social laser. **2022**, 12, ○
- 473 A Survey on Community Detection Methods and its Application in Biological Network. **2022**,
- 472 Collusion-Resistant Worker Set Selection for Transparent and Verifiable Voting. **2022**, 3,
- 471 A Robust Measure to Uncover Community Brokerage in Illicit Networks.
- 470 The Global Neuronal Workspace as a broadcasting network. 1-40
- 469 Physlr: Next-Generation Physical Maps. **2022**, 2, 116-130 ○
- 468 Subarea Partition Based on Correlation Analysis with Edge-Elimination Strategy Using Automatic License Plate Recognition Data. 036119812210964
- 467 Direction matters in complex networks: A theoretical and applied study for greedy modularity optimization. **2022**, 127798 ○
- 466 DMCS : Density Modularity based Community Search. **2022**, ○

- 465 Research on entropy weight multiple criteria decision-making evaluation of metro network vulnerability.
- 464 Geographic Knowledge Graph Attribute Normalization: Improving the Accuracy by Fusing Optimal Granularity Clustering and Co-Occurrence Analysis. **2022**, 11, 360 0
- 463 Network analysis of pig movements in Ecuador: Strengthening surveillance of classical swine fever. 1
- 462 Mining Algorithm of Relatively Important Nodes Based on Edge Importance Greedy Strategy. **2022**, 12, 6099 0
- 461 Selfish Node Detection by Modularized Deep NMF Autoencoder Based Incentivized Reputation Scheme. 1-27 1
- 460 A Graph-Cut-Based Approach to Community Detection in Networks. **2022**, 12, 6218 2
- 459 Universal association between depressive symptoms and social-network structures in the workplace. **2022**, 12,
- 458 Optimization in Item Delivery as Risk Management: Multinomial Case Using the New Method of Statistical Inference for Online Decision. **2022**, 10, 122
- 457 Above- and below-ground trait coordination in tree seedlings depend on the most limiting resource: a test comparing a wet and a dry tropical forest in Mexico. 10, e13458 0
- 456 Identifying Topological Credentials of Physical Infrastructure Components to Enhance Transportation Network Resilience: Case of Florida Bridges. **2022**, 148, 0
- 455 Differentiated graph regularized non-negative matrix factorization for semi-supervised community detection. **2022**, 604, 127692
- 454 Community detection using Local Group Assimilation. **2022**, 206, 117794
- 453 A neighbour-similarity based community discovery algorithm. **2022**, 206, 117822
- 452 Identifying Sets of Critical Components that Affect the Resilience of Power Networks. **2022**, 1-1
- 451 A Supervised Approach to Community Detection Problem: How to Improve Louvain Algorithm by Considering Fuzzy Measures. **2022**, 219-227
- 450 Research on the Cooperation Relationship Network of Emergency Response Partners in Jiuzhaigou Earthquake: A Case Study Based on the Social Network Analysis. **2022**, 327-339
- 449 Frustration-driven allosteric regulation and signal transmission in the SARS-CoV-2 spike omicron trimer structures: a crosstalk of the omicron mutation sites allosterically regulates tradeoffs of protein stability and conformational adaptability. 2
- 448 Evaluation for Risk of Cascading Failures in Power Grids by Inverse-Community Structure. **2022**, 1-1

- 447 A Multi-objective Evolutionary Algorithm Based on Multi-layer Network Reduction for Community Detection. **2022**, 141-152
- 446 Joint Detection of Community and Structural Hole Spanner of Networks in Hyperbolic Space. **2022**, 24, 894
- 445 Fish-parasite interaction networks reveal latitudinal and taxonomic trends in the structure of host-parasite associations. 1-28 1
- 444 Network analysis suggests changes in food web stability produced by bottom trawl fishery in Patagonia. **2022**, 12, 0
- 443 Inferring functional communities from partially observed biological networks exploiting geometric topology and side information. **2022**, 12, 0
- 442 Community detection based process decomposition and distributed monitoring for large-scale processes. 0
- 441 Autism excitation-inhibition imbalance linked to brain hyperconnectivity: An analysis based on 657 autistic subjects.
- 440 Canadian Journal of Administrative Sciences : A Retrospective Review Using Bibliometric Analysis. 0
- 439 Mechanical vibration modulates regional cerebral blood flow and biomechanical co-variance network in a frequency-dependent manner.
- 438 A Flow-Based Node Dominance Centrality Measure for Complex Networks. **2022**, 3, 0
- 437 DR-NET: a novel mobile anchor-assisted localization method based on the density of nodes distribution. 0
- 436 Picture fuzzy large-scale group decision-making in a trust- relationship-based social network environment. **2022**, 0
- 435 BOLD cofluctuation Events are predicted from static functional connectivity. **2022**, 119476 0
- 434 Harmonic structures of Beethoven quartets: a complex network approach. **2022**, 95, 0
- 433 Construction Grammar Conceptual Network: Coordination-based graph method for semantic association analysis. 1-31 0
- 432 LapEFCM: overlapping community detection using laplacian eigenmaps and fuzzy C-means clustering.
- 431 Structural stability of the evolving developer collaboration network in the OSS community. **2022**, 17, e0270922
- 430 Detection of Brain Network Communities During Natural Speech Comprehension From Functionally Aligned EEG Sources. 16, 0

- 429 Brokering or Sitting Between Two Chairs? A Group Perspective on Workplace Gossip. 13,
- 428 Do Egocentric information networks influence technical efficiency of farmers? Empirical evidence from Ghana. ○
- 427 Reviewing the intellectual structure of product modularization: Toward a common view and future research agenda.
- 426 Revealing Urban Community Structures by Fusing Multisource Transportation Data. **2022**, 148,
- 425 Multi-channel content based image retrieval method for skin diseases using similarity network fusion and deep community analysis. **2022**, 78, 103893
- 424 Doubly stochastic scaling unifies community detection. **2022**, 504, 141-162
- 423 Exploiting optimised communities in directed weighted graphs for link prediction. **2022**, 31, 100222 ○
- 422 A label propagation-based method for community detection in directed signed social networks. **2022**, 604, 127875
- 421 Knowledge structure of Chief Marketing Officers (CMOs): A review, bibliometric analysis, and research agenda. **2022**, 151, 448-462 ○
- 420 Unsupervised feature selection method based on iterative similarity graph factorization and clustering by modularity. **2022**, 208, 118092 ○
- 419 On the Structure of the Boolean Satisfiability Problem: A Survey. **2023**, 55, 1-34 ○
- 418 Exploring the associations between psychodynamic constructs and psychopathology: A network approach. ○
- 417 Community deception: from undirected to directed networks. **2022**, 12,
- 416 Correlation-Based Feature Selection to Identify Functional Dynamics in Proteins. 3
- 415 Unbiased Classification of the Human Brain Proteome Resolves Distinct Clinical and Pathophysiological Subtypes of Cognitive Impairment.
- 414 Land quality evaluation for sustainable development goals: a structured review using bibliometric and social network analysis. **2022**, 194,
- 413 Epigenetic plasticity cooperates with emergent cell-cell interactions to drive neoplastic tissue remodeling in the pancreas.
- 412 A cooperative PSO algorithm for Volt-VAR optimization in smart distribution grids. **2022**, 212, 108618 1

- 411 Comparing Semantic Representation Methods of Keywords in Bibliometric Analysis.
- 410 A Network Embedding-Enhanced NMF Method for Finding Communities in Attributed Networks. **2022**, 1-1
- 409 Mining Homophilic Groups of Users using Edge Attributed Node Embedding from Enterprise Social Networks. **2022**,
- 408 Hierarchical Core Decomposition in Parallel: From Construction to Subgraph Search. **2022**,
- 407 On the Design of Bus-Based Vehicular Networks: Mobility Generation and Data Dissemination. **2022**, 1
- 406 Manipulating Structural Graph Clustering. **2022**,
- 405 Robust Attributed Network Embedding Preserving Community Information. **2022**, 1
- 404 Index-based Structural Clustering on Directed Graphs. **2022**, 3
- 403 Graph-based Algorithm For Self-trading Accounts Detection in Bulk Commodity Trade. **2022**,
- 402 Social Network Methods for Assigning Students to Teams.
- 401 20 years of network community detection. **2022**, 18, 848-850 2
- 400 System-level high-amplitude co-fluctuations.
- 399 Bow-tie structures of twitter discursive communities. **2022**, 12, 1
- 398 ??????????????????. **2022**,
- 397 Analysis of Solution Diversity in Topic Models for Smart City Applications.
- 396 Peer benchmarking and CEO compensation: An examination of the community structure of the compensation peer network.
- 395 Contact Tracing Research: A Literature Review Based on Scientific Collaboration Network. **2022**, 19, 9311 0
- 394 Employing social network analysis to dark web communities. **2022**,

- 393 The Seabed Makes the Dolphins: Physiographic Features Shape the Size and Structure of the Bottlenose Dolphin Geographical Units. **2022**, 10, 1036 1
- 392 Community Detection in Semantic Networks: A Multi-View Approach. **2022**, 24, 1141
- 391 Research on Customer Requirement-Driven Individualized Product Module Division and Configuration Based on Community Structure. **2022**, 2022, 1-19
- 390 The structure and information spread capability of the network formed by integrated fitness apps. **2022**, 35, 311-329
- 389 Global Container Port Network Linkages and Topology in 2021. **2022**, 22, 5889
- 388 The network structure of the VIA-120 inventory of strengths: an analysis of 1,255,248 respondents. 1-14
- 387 Bacterial Keystone Taxa Regulate Carbon Metabolism in the Earthworm Gut.
- 386 Recent Advances in Fully Dynamic Graph Algorithms [A Quick Reference Guide. 0
- 385 Stable states and keystone species in soil microbiomes of agroecosystems.
- 384 Convergence, divergence, and macroevolutionary constraint as revealed by anatomical network analysis of the squamate skull, with an emphasis on snakes. **2022**, 12,
- 383 Structure and Dynamics of Force Clusters and Networks in Shear Thickening Suspensions. **2022**, 129, 0
- 382 Age-Related Differences of Cortical Topology Across the Adult Lifespan: Evidence From a Multisite MRI Study With 1427 Individuals. 0
- 381 Networks of international football: communities, evolution and globalization of the game. **2022**, 7, 0
- 380 The Effect of Positive Management Practices on Firm Profitability [Evidence from Text Mining. 002188632211208
- 379 Brands, networks, communities: How brand names are wired in the mind. **2022**, 17, e0273192
- 378 Detecting Spatial Communities in Vehicle Movements by Combining Multi-Level Merging and Consensus Clustering. **2022**, 14, 4144
- 377 A new model for freedom of movement using connectomic analysis. 10, e13602
- 376 Modularized hypergraph clustering scheme model for stable VANET.

- 375 There is no place like home: high site fidelity and small home range of bonefish (*Albula vulpes*) inhabiting fringing reef flats in Culebra, Puerto Rico. ○
- 374 Graphical Analysis of A Marine Plankton Community Reveals Spatial, Temporal, and Niche Structure of Sub-Communities. 9,
- 373 Integrate multiscale module kernel for disease-gene discovery in biological networks.
- 372 Risk-Averse Influence Maximization.
- 371 Three Binding Conformations of BIO124 in the Pocket of the PICK1 PDZ Domain. **2022**, 11, 2451 ○
- 370 Altered global modular organization of intrinsic functional connectivity in autism arises from atypical node-level processing. ○
- 369 Research on Shelf-Life Extension Technologies for Food Sustainability: An Assessment of Scientific Activities and Networks. **2022**, 2022, 1-16
- 368 Attention Deficit Hyperactivity Disorder and the gut microbiome: An ecological perspective.
- 367 Map equation centrality: community-aware centrality based on the map equation. **2022**, 7, 2
- 366 Analysis of risk propagation using the world trade network.
- 365 Community detection in empirical kinase networks identifies new members of signaling pathways.
- 364 A Useful Criterion on Studying Consistent Estimation in Community Detection. **2022**, 24, 1098 2
- 363 Network analysis of the Kyiv bylyny cycle East Slavic epic narratives.
- 362 Strong ties and where to find them: or, why Neville and Bellatrix might be more important than Harry and Tom. **2022**, 12,
- 361 Anthropogenic Pressure and Climate Change Could Severely Hamper the Avian Metacommunity of the Sicilian Wetlands. **2022**, 14, 696
- 360 Community detection in complex network based on an improved random algorithm using local and global network information. **2022**, 206, 103492
- 359 Community detection in weighted networks using probabilistic generative model. ○
- 358 Community Detection in Attributed Collaboration Network for Statisticians. ○

- 357 Local Intrinsic Density Based Community Detection Using Branch-and-Bound and Minimum Spanning Tree. **2022**, 4, 200044 ○
- 356 Phylogenetically informed Bayesian truncated copula graphical models for microbial association networks. **2022**, 16, ○
- 355 Extended stochastic block models with application to criminal networks. **2022**, 16, 2
- 354 Investigating Characteristics and Influence Mechanism of Value-Added Trade Network of Producer Services. **2022**, 10, 86318-86338 ○
- 353 Ergodic Limits, Relaxations, and Geometric Properties of Random Walk Node Embeddings. **2022**, 1-15 ○
- 352 A Comprehensive Survey on Community Detection Approaches in Social Networks. **2022**, 163-173 ○
- 351 A Parallel Particle Swarm Optimization for Community Detection in Large Attributed Graphs. **2022**, 13, 1-23 ○
- 350 Impact of Similarity Measure on the Quality of Communities Detected in Social Network by Hierarchical Clustering. **2022**, 29-42 ○
- 349 Local Community Detection Algorithm Based on Core Area Expansion. **2022**, 238-251 ○
- 348 Limits and Potential Solutions to Represent and Analyze Multidimensional and Heterogeneous Situations. **2022**, ○
- 347 Disrupted dynamic network reconfiguration of the brain functional networks of individuals with autism spectrum disorder. **2022**, 4, ○
- 346 Characterizing the Dynamic Reorganization in Healthy Ageing and Classification of Brain Age. **2022**, ○
- 345 Kernels on Attributed Networks for Community Detection. **2022**, ○
- 344 Emotional Brain Network Community Division Study Based on an Improved Immunogenetic Algorithm. **2022**, 12, 1159 ○
- 343 A parallel community detection algorithm based on spanning trees. **2022**, ○
- 342 Roles of Brokers and Clusters in the Inter-firm Network Dynamics: Evolution Map Perspective. **2022**, ○
- 341 Ranking influential nodes in complex networks with community structure. **2022**, 17, e0273610 ○
- 340 Analysis of ownership network of European companies using gravity models. **2022**, 7, ○

- 339 An exploration on the topologies of SARS-CoV-2/human protein-protein interaction network. 1-13 ○
- 338 Measuring dynamical systems on directed hypergraphs. **2022**, 106, ○
- 337 Graph Theoretical Approach to Brain Remodeling in Multiple Sclerosis. 1-28 ○
- 336 Subcubic Equivalences Between Graph Centrality Problems, APSP and Diameter. ○
- 335 Journal of International Management: A 25-year review using bibliometric analysis. **2022**, 100988 1
- 334 GTIP: A Gaming-Based Topic Influence Percolation Model for Semantic Overlapping Community Detection. **2022**, 24, 1274 ○
- 333 Applications of graph theory to the analysis of fNIRS data in hyperscanning paradigms. 16, ○
- 332 Dynamic network model reveals distinct tau spreading patterns in early- and late-onset Alzheimer disease. **2022**, 14, ○
- 331 The evolution of cooperation in public goods games on the scale-free community network under multiple strategy-updating rules. **2022**, 128220 ○
- 330 Early tetrapod cranial evolution is characterized by increased complexity, constraint, and an offset from fin-limb evolution. **2022**, 8, ○
- 329 Going beyond the DSM in predicting, diagnosing, and treating autism spectrum disorder with covarying alexithymia and OCD: A structural equation model and process-based predictive coding account. 13, ○
- 328 Citation Biases: Detecting Communities from Patterns of Temporal Variation in Journal Citation Networks. **2023**, 591-611 ○
- 327 Multilayer Networks of Plasmid Genetic Similarity Reveal Potential Pathways of Gene Transmission. ○
- 326 Microbial co-occurrence network in the rhizosphere microbiome: its association with physicochemical properties and soybean yield at a regional scale. **2022**, 60, 986-997 ○
- 325 Maximum entropy networks for large scale social network node analysis. **2022**, 7, ○
- 324 Identifying Criminal Communities in Online Networks via Non-negative Matrix Factorization-Incorporated Sentiment Analysis. **2023**, 529-535 ○
- 323 Research of Software Defect Prediction Model Based on Complex Network and Graph Neural Network. **2022**, 24, 1373 ○
- 322 Relatively important nodes mining algorithm based on community detection and biased random walk with restart. **2022**, 128219 ○

321	Gaussian graphical models with applications to omics analyses.	0
320	Modular organization of gene-gene association network allows identification of key molecular players in cancer. 2022 , 47,	0
319	Research themes of geographical information science during 1991-2020: a retrospective bibliometric analysis. 1-33	1
318	Intentional controlled islanding based on dynamic community detection for power grid. 2022 , 16, 4258-4272	0
317	Obtaining interactions among science, technology, and research policy for developing an innovation strategy: A case study of supercapacitors. 2022 , 8, e10721	0
316	Graph neural network inspired algorithm for unsupervised network community detection. 2022 , 7,	0
315	The Cryptocurrency Market in Transition before and after COVID-19: An Opportunity for Investors?. 2022 , 24, 1317	3
314	Food Bloggers on the Twitter Social Network: Yummy, Healthy, Homemade, and Vegan Food. 2022 , 11, 2798	0
313	Transdiagnostic profiles of behaviour and communication relate to academic and socioemotional functioning and neural white matter organisation.	1
312	On network backbone extraction for modeling online collective behavior. 2022 , 17, e0274218	0
311	On The Reduction of Instability of Label Propagation Algorithm.	0
310	Community detection based on competitive walking network embedding method. 2022 , 2022, 093402	0
309	Psychoneurological Symptoms and Biomarkers of Stress and Inflammation in Newly Diagnosed Head and Neck Cancer Patients: A Network Analysis. 2022 , 29, 7109-7121	0
308	A subgraphs-density based overlapping community detection algorithm for large-scale complex networks.	0
307	A multi-objective evolutionary algorithm based on mixed encoding for community detection.	0
306	Community Detection on Proximity Networks. 2023 , 33-47	0
305	Finite-state parameter space maps for pruning partitions in modularity-based community detection. 2022 , 12,	0
304	An attentional-walk-based autoencoder for community detection.	0

- 303 Multilayer Financial Complex Networks and Their Applications. **2022**, 69, 4103-4116 ○
- 302 Financial Connectedness and Risk Transmission among MENA Countries: Evidence from Connectedness Network and Clustering Analysis. **2022**, 101656 ○
- 301 Complex networks for community detection of basketball players. ○
- 300 Rainfall pattern analysis in 24 East Asian megacities using a complex network. **2022**, 26, 4823-4836 ○
- 299 Demand-driven design of bicycle infrastructure networks for improved urban bikeability. 1
- 298 The Resilience of Plant-Pollinator Networks. **2023**, 68, ○
- 297 Global brain network modularity dynamics after local optic nerve damage following noninvasive brain stimulation: an EEG-tracking study. ○
- 296 The recognition of kernel research team. **2022**, 16, 101339 ○
- 295 Relations among the h-, g-, β and p-index and offset-ability. **2022**, 16, 101340 ○
- 294 Uncovering Discussion Groups on Claims of Election Fraud from Twitter. **2022**, 320-336 ○
- 293 A Review on Community Detection Methods and Algorithms in Social Networks: Open Trends and Challenges. **2022**, 517-530 ○
- 292 Community Detection Algorithm Based on Node Correlation and Modularity. **2022**, 612-621 ○
- 291 Understanding the Dynamics of DNNs Using Graph Modularity. **2022**, 225-242 ○
- 290 A Memetic Algorithm Based on Adaptive Simulated Annealing for Community Detection. **2022**, 20-28 ○
- 289 Studying the Effectiveness of Community Detection Algorithms Using Social Networks. **2022**, 875-890 ○
- 288 Link prediction in organizational social network based on e-mail communication. **2022**, 207, 4008-4016 ○
- 287 Dynamic network representation learning based on community structure and evolutionary clustering. **2022**, ○
- 286 The Anisian (Middle Triassic) brachiopods from the southern Qilian Mountains, north-western China. **2022**, 8, 1

- 285 A Network Analysis of the Relationship Between Mental and Physical Health in Unsheltered Homeless Persons in Los Angeles County. 088626052211272 ○
- 284 Naturalized alien floras still carry the legacy of European colonialism. **2022**, 6, 1723-1732 ○
- 283 Network pharmacology and bioinformatics approach reveals the therapeutic activity and action mechanism of curcumin in Alzheimer disease. ○
- 282 Knowledge Graph-Based Framework for Decision Making Process with Limited Interaction. **2022**, 10, 3981 ○
- 281 Recent Synergies of Machine Learning and Neurorobotics: A Bibliometric and Visualized Analysis. **2022**, 14, 2264 ○
- 280 A geo-location and trust-based framework with community detection algorithms to filter attackers in 5G social networks. 1
- 279 Whole-brain dynamics of human sensorimotor adaptation. ○
- 278 Directed association network analysis on the Standard and Poor's 500 Index. ○
- 277 Investigating the allosteric response of the PICK1 PDZ domain to different ligands with all-atom simulations. ○
- 276 Bioenergy research in Brazil: A bibliometric evaluation of the BIOEN Research Program. ○
- 275 Editorial: Social network analysis in marketing: A step-by-step guide for researchers. **2022**, ○
- 274 Highly connected and highly variable: A Core brain network during resting state supports Propofol-induced unconsciousness. ○
- 273 Collusion Suspicion Among Bidders of Construction Supervision Projects in China: Based on Bidding Big Data and Complex Networks. ○
- 272 Dung-visiting beetle diversity is mainly affected by land use, while community specialization is driven by climate. **2022**, 12, 1 ○
- 271 A unified framework for analyzing complex systems: Juxtaposing the (Kernel) PCA method and graph theory. 8, ○
- 270 An empirical study on network conversion of stock time series based on STL method. **2022**, 32, 103111 ○
- 269 Modularity of minor-free graphs. ○
- 268 Network polarization, filter bubbles, and echo chambers: an annotated review of measures and reduction methods. ○

- 267 Efficiency of heterogenous functional connectomes explains variance in callous-unemotional traits after computational lesioning of cortical midline and salience regions. ○
- 266 Cooperation patterns in the ERASMUS student exchange network: an empirical study. **2022**, 7, ○
- 265 Sketch-based community detection in evolving networks. **2022**, 106, ○
- 264 Macroscopic Model of Hypogravity-Induced Primate Brain Activity via Identification and Analysis of a Neurovisuomotor Performance Pathway. ○
- 263 Uncovering the Local Hidden Community Structure in Social Networks. ○
- 262 On maximization of the modularity index in network psychometrics. ○
- 261 Revealing recurrent regimes of mid-latitude atmospheric variability using novel machine learning method. **2022**, 32, 113105 1
- 260 Dissonance from the Perspective of Agonistic Pluralism: A Study of Political Fragmentation on Facebook during the 2016 Austrian Presidential Election. 1-23 ○
- 259 Randomized Reference Models for Temporal Networks. **2022**, 64, 763-830 ○
- 258 Composition, structure and robustness of Lichen guilds. ○
- 257 Modified Modularity Density Maximization and Density Ratio Heuristic. **2022**, 106072 ○
- 256 Role extraction for digraphs via neighborhood pattern similarity. **2022**, 106, ○
- 255 Multi-modal and multi-subject modular organization of human brain networks. **2022**, 264, 119673 ○
- 254 Passing the torch of knowledge: Star death, collaborative ties, and knowledge creation. **2023**, 52, 104649 ○
- 253 A Large Scale Group Three-Way Decision-based consensus model for site selection of New Energy Vehicle charging stations. **2023**, 214, 119107 1
- 252 Financial contagion in banking networks with community structure. **2023**, 117, 106924 ○
- 251 ErLinkTopic: A generative probabilistic framework for analyzing regional communities in social networks. **2019**, 48, ○
- 250 Community Structure Enhanced Community Detection Algorithm Based on Graph Compression. **2022**, ○

- 249 Network and Epidemic Model. **2022**, 145-192 ○
- 248 Comparing conceptual understanding across institutions with module analysis. **2022**, 18, ○
- 247 Three-State Opinion Model on Complex Topologies. **2022**, 24, 1627 ○
- 246 Research on improvement of Louvain community detection algorithm. **2022**, ○
- 245 Community detection algorithms for recommendation systems: techniques and metrics. ○
- 244 Discovering the structure and organization of a free Cantonese emotion-label word association graph to understand mental lexicons of emotions. **2022**, 12, ○
- 243 Evolution and trends in consumer behaviour: Insights from Journal of Consumer Behaviour. 5
- 242 Mesoscopic architecture enhances communication across the macaque connectome revealing structure-function correspondence in the brain. **2022**, 106, ○
- 241 Mapping the effect of healthy and unhealthy food and beverages marketing: two decades of bibliometric analysis. ○
- 240 Allosteric Boost by TAB1 on the TAK1 Kinase Favorably Sculpts the Thermodynamic Landscape of Activation. ○
- 239 Test-Retest Reliability of Dynamic Functional Connectivity Parameters for a Two-State Model. ○
- 238 CosTaL: An Accurate and Scalable Graph-Based Clustering Algorithm for High-Dimensional Single-Cell Data Analysis. ○
- 237 Statistical inference links data and theory in network science. **2022**, 13, ○
- 236 Dissociation of categorical and coordinate spatial relations on dynamic network organization states. 16, ○
- 235 Formation Of Small-World Network Containing Module Networks In Globally And Locally Coupled Map System With Changes In Global Connection With Time Delay Effects. ○
- 234 Testing Transferability: Quantitative Evaluation of Labor Market Area Definition Methods in Three Contrasting Countries. ○
- 233 Social media enables people-centric climate action in the hard-to-decarbonise building sector. **2022**, 12, ○
- 232 A comparative framework to analyze convergence on Twitter electoral conversations. **2022**, 12, ○

- 231 Altered global modular organization of intrinsic functional connectivity in autism arises from atypical node-level processing. ○
- 230 A Novel Approach for a Suitable Water Quality Sensor Placement in Water Distribution Systems. ○
- 229 Networks: Structure and Dynamics. **2009**, 575-597 ○
- 228 Maternity colony social structure of myotis in British Columbia, Canada. **2022**, 76, ○
- 227 Diversity and metabolic potentials of microbial communities associated with pollinator and cheater fig wasps in fig-fig wasp mutualism system. 13, ○
- 226 COVID-19 and finance scholarship: A systematic and bibliometric analysis. **2022**, 102458 1
- 225 A bibliometric analysis of cultural finance. **2022**, 102442 1
- 224 A Community Detection Algorithm Fusing Node Similarity and Label Propagation. **2022**, 94-107 ○
- 223 Network Topology to Predict Bibliometrics Indices: A Case Study. **2022**, 166-180 ○
- 222 A broad approach to expert detection using syntactic and semantic social networks analysis in the context of Global Software Development. **2023**, 66, 101928 ○
- 221 Large-scale group classification decision making method and its application with trust interest dual factors in social network. **2023**, 133, 109890 ○
- 220 Overlapping community detection on complex networks with Graph Convolutional Networks. **2023**, 199, 62-71 ○
- 219 Community detection in networks through a deep robust auto-encoder nonnegative matrix factorization. **2023**, 118, 105657 ○
- 218 Exploring science-technology linkages: A deep learning-empowered solution. **2023**, 60, 103255 ○
- 217 Integrated network partitioning and DERs allocation for planning of Virtual Microgrids. **2023**, 216, 109024 ○
- 216 Scalable clustering by aggregating representatives in hierarchical groups. **2023**, 136, 109230 ○
- 215 On The Role of Community Structure in Evolution of Opinion Formation: A New Bounded Confidence Opinion Dynamics. **2023**, 621, 672-690 2
- 214 Community Structure in the Boards Network of Enterprises on Polish Capital Market. **2015**, 62, 183-197 ○

- 213 An Overview on Reducing Social Networks Size. **2022**, 146-157 0
- 212 Hierarchical Topic Model Inference by Community Discovery on Word Co-occurrence Networks. **2022**, 148-162 0
- 211 Dynamic Network Embedding by Using Sparse Deep Autoencoder. **2022**, 132-143 0
- 210 Joint Degree Distribution of Growing Multiplex Network Model with Nonlinear Preferential Attachment Rule. **2022**, 26-42 0
- 209 Planning hierarchical hospital service areas for maternal care using a network optimization approach: A case study in Hubei, China. **2022**, 32, 2577-2598 0
- 208 Modularity of the ABCD random graph model with community structure. **2022**, 10, 3
- 207 Modeling Student Collaboration Network to Enhance Student Interactions. **2022**, 0
- 206 Representing collective thinking through cognitive networks. **2022**, 10, 0
- 205 Cognitive control training enhances the integration of intrinsic functional networks in adolescents. **2022**, 16, 0
- 204 Exploration of the optimal modularity in assembly line design. **2022**, 12, 0
- 203 Protein painting reveals pervasive remodeling of conserved proteostasis machinery in response to pharmacological stimuli. **2022**, 8, 0
- 202 Structure of university licensing networks. **2022**, 0
- 201 A Data-driven Approach for Adjusting Taxi Business Zone based on Travel Boundary using Mobile Phone Network Data. **2022**, 57, 61-73 0
- 200 Estimating mixed-memberships using the symmetric laplacian inverse matrix. **2022**, 0
- 199 FOLKLOR ALANINDA BOMSELE TEM: YEREL VE KESELE ADARIN BBLIOMETRIK NCELEMES 0
- 198 Multi-omics signatures of the human early life exposome. **2022**, 13, 1
- 197 Modular networks and genomic variation during progression from stable angina pectoris through ischemic cardiomyopathy to chronic heart failure. **2022**, 28, 0
- 196 Analyzing the Structure of Residence-leisure Network in Shenyang City. **2022**, 11, 2111 0

- 195 From Fuzzy Information to Community Detection: An Approach to Social Networks Analysis with Soft Information. **2022**, 10, 4348
- 194 Editorial: The Journal of Hospitality and Tourism Technology (JHTT): a retrospective review using bibliometric analysis. **2022**, 13, 781-800
- 193 Graph coloring with physics-inspired graph neural networks. **2022**, 4,
- 192 Modeling Brain Functional Connectivity Patterns during an Isometric Arm Force Exertion Task at Different Levels of Perceived Exertion: A Graph Theoretical Approach. **2022**, 12, 1575
- 191 Themes of the resilience literature in economics & a topic modelling approach.
- 190 Community structure detection in networks based on Tabu search. 1-11
- 189 Social Network Analysis of COVID-19 Research and the Changing International Collaboration Structure.
- 188 Evolution of Global Crude Oil Trade Network Structure and Resilience. **2022**, 14, 16059
- 187 Understanding Bike-sharing Mobility Patterns in Response to the COVID-19 Pandemic.
- 186 Disorganization of Semantic Brain Networks in Schizophrenia Revealed by fMRI.
- 185 Modularity Maximization for Graphons. **2022**, 82, 1930-1952
- 184 Graph transfer learning.
- 183 A network perspective of cognitive and geographical proximity of sustainable tourism organizations: evidence from Italy.
- 182 Community Detection in Brain Connectome using Quantum Annealer Devices.
- 181 Financial crisis in the framework of non-zero temperature balance theory. **2022**, 17, e0279089
- 180 IMDCS:influence maximization with type-diversity by leveraging community structure.
- 179 Density and node closeness based clustering method for community detection. **2022**, 1-14
- 178 An improved hybrid community detection algorithm for partitioning of water distribution networks. 1-17

- 177 A spectral method to detect community structure based on Coulomb matrix. **2023**, 13,
- 176 Redefining the connectome: A multi-modal, asymmetric, weighted, and signed description of anatomical connectivity.
- 175 Abnormal brain functional network dynamics in sleep-related hypermotor epilepsy.
- 174 Spatiotemporal Patterns of Risk Propagation in Complex Financial Networks. **2023**, 13, 1129
- 173 Autonomous acquisition of arbitrarily complex skills using locality based graph theoretic features: a syntactic approach to hierarchical reinforcement learning.
- 172 On the origin of mitochondria: a multilayer network approach. 11, e14571
- 171 Literature review on the influence of social networks. **2023**, 153, 01009
- 170 Community detection in large-scale real-world networks. **2021**,
- 169 New Algorithms for a Simple Measure of Network Partitioning. **2022**, 67-78
- 168 Improving the Economic, Environmental, and Safety Performance of Bio-Jet Fuel Production through Process Intensification and Integration Using a Modularity Approach. **2023**, 11, 660-669
- 167 On the Effectiveness of Using Link Weights and Link Direction for Community Detection in Multilayer Networks. **2023**, 638-649
- 166 Solving the spike sorting problem with Kilosort.
- 165 Network pharmacology and bioinformatics approach reveals the therapeutic mechanism of action of curcumin in Alzheimer disease.
- 164 Tracing the birth of structural domains from loops during protein evolution.
- 163 Tipping points of ancient Japanese Jomon trade networks from social network analyses of obsidian artifacts. 10,
- 162 Hybrid Approach for Detecting Propagandistic Community and Core Node on Social Networks. **2023**, 15, 1249
- 161 Federated Community Detection in Social Networks. **2023**, 89-103
- 160 Trophic structuring of modularity alters energy flow through marine food webs. 9,

- 159 Integrated multi-omics profiling yields a clinically relevant molecular classification for esophageal squamous cell carcinoma. **2023**, 41, 181-195.e9 ○
- 158 Evolutionary insights from an anatomical network analysis of the hyolaryngeal apparatus in extant archosaurs (birds and crocodylians). ○
- 157 Non-Cooperative Behavior Management in Large-Scale Group Decision-Making Considering the Altruistic Behaviors of Experts and Its Application in Emergency Alternative Selection. **2023**, 136, 487-515 ○
- 156 A subnetwork-based framework for prioritizing and evaluating prognostic gene modules from cancer transcriptome data. **2023**, 26, 105915 ○
- 155 Research on multi-label user classification of social media based on ML-KNN algorithm. **2023**, 188, 122271 ○
- 154 Disagreement and fragmentation in growing groups. **2023**, 167, 113075 ○
- 153 Comparative survey of multigraph integration methods for holistic brain connectivity mapping. **2023**, 85, 102741 1
- 152 Vulnerability Assessment for Power Grids Based on Inverse-Community Structure. **2022**, ○
- 151 Hypergraphs: Concepts, Applications and Analysis. **2022**, ○
- 150 Pinning synchronization for nonlinear multi-agent system via edge betweenness centrality. **2022**, ○
- 149 Identifying vital nodes for influence maximization in attributed networks. **2022**, 12, ○
- 148 House mouse subspecies do differ in their social structure. **2022**, 12, ○
- 147 MicroSplit: Efficient Splitting of Microservices on Edge Clouds. **2022**, ○
- 146 Nonnegative Matrix Factorization Based on Node Centrality for Community Detection. ○
- 145 Network analysis reveals context-dependent structural complexity of social calls in serrate-legged small treefrogs. ○
- 144 A dynamic community evolution discovery method based on attribute network representation learning. **2022**, ○
- 143 Consensus Formation in Nonprofit and Philanthropic Studies: Networks, Reputation, and Gender. 089976402211469
- 142 Üniversiteler Birbirine Sosyal, Kurumsal ve Bilişel Olarak Ne Kadar Yakınlıkta? TÜBİTAK Proje Birlikleri Üzerinden Bir Analiz. **2023**, 7, 525-549 ○

- 141 Modularity of the ABCD Random Graph Model with Community Structure. **2023**, 3-15 ○
- 140 Community Detection for Temporal Weighted Bipartite Networks. **2023**, 245-257 ○
- 139 The modular biochemical reaction network structure of cellular translation. ○
- 138 Explore urban interactions based on floating car data a case study of Chengdu, China. 1-17 ○
- 137 Clustering spatial networks through latent mixture models. ○
- 136 Cohesion and segregation in the value migration network: Evidence from network partitioning based on sector classification and clustering. **2023**, 13, ○
- 135 Local community detection based on influence maximization in dynamic networks. ○
- 134 Feature selection-based microblog clustering technique. **2023**, 227-255 ○
- 133 Graph-based clustering technique for microblog clustering. **2023**, 165-192 ○
- 132 The Genetic Side of the Mood: A Scientometric Review of the Genetic Basis of Mood Disorders. **2023**, 14, 352 ○
- 131 Leveraging network analysis to determine sex differences in factors associated with frailty among older adults living alone. **2023**, 23, ○
- 130 Automatic Detection of Multilevel Communities: Scalable, Selective and Resolution-Limit-Free. **2023**, 13, 1774 1
- 129 Early detection of SARS-CoV-2 variants through dynamic co-mutation network surveillance. 11, ○
- 128 KO: Modularity optimization in community detection. ○
- 127 Climate finance: What we know and what we should know?. **2023**, 100005 ○
- 126 From big data to complex network: a navigation through the maze of drug-target interaction. **2023**, 407-436 ○
- 125 Interval Type-2 Fuzzy Large-Scale Group Decision-Making Considering Social Relationships. **2023**, 127-154 ○
- 124 Discovering Entities Similarities in Biological Networks Using a Hybrid Immune Algorithm. **2023**, 10, 18 ○

- 123 iMGC: Interactive Multiple Graph Clustering With Constrained Laplacian Rank. **2023**, 53, 427-437 1
- 122 A Lightweight Graph-based Method to Detect Pornographic and Gambling Websites with Imperfect Datasets. **2022**, 0
- 121 Software Bug Prediction based on Complex Network Considering Control Flow. **2022**, 0
- 120 A Swarm Intelligence Based Community Detection Algorithm in Social Networks. **2022**, 0
- 119 Entropy Based Spectral Clustering For Distribution Network With High Penetration of DGs. **2022**, 0
- 118 Discovering Combination Patterns of Traditional Chinese Medicine for the Treatment of Gouty Arthritis with Renal Dysfunction. **2023**, 170-183 0
- 117 A Four-Stage Algorithm for Community Detection Based on Label Propagation and Game Theory in Social Networks. **2023**, 4, 255-269 0
- 116 Research Progress of Complex Network Modeling Methods Based on Uncertainty Theory. **2023**, 11, 1212 0
- 115 Opinion-Climate-Based Hegselmann-Krause dynamics. **2023**, 167, 9-17 0
- 114 Diffusion and Future Influence of Tourism Research: Addressing the How and When Questions of Tourism Knowledge Structures. 004728752311649 0
- 113 Early life immune expression profiles predict later life health and fitness in a wild rodent. 0
- 112 Reliable Liner Shipping Hub Location Problem Considering Hub Failure. **2023**, 11, 818 0
- 111 Predicting the evolution of scientific communities by interpretable machine learning approaches. **2023**, 17, 101399 0
- 110 A graph convolution network with subgraph embedding for mutagenic prediction in aromatic hydrocarbons. **2023**, 530, 60-68 0
- 109 The formation and proximity mechanism of population flow networks under multiple traffic in China. **2023**, 136, 104211 0
- 108 Combining social network analysis and ethnography to better understand fishers' organization and promote sustainable small-scale fisheries in St. Croix, US Virgin Islands. **2023**, 152, 105573 0
- 107 Mapping linkages between ecosystem services and agricultural and landscape management using structural topic modeling of scientific literature. **2023**, 61, 101525 0
- 106 A study on modularity density maximization: Column generation acceleration and computational complexity analysis. **2023**, 309, 516-528 0

- 105 Dynamic Community Detection Algorithm based on Allocating and Splitting. **2022**, ○
- 104 A graph convolutional fusion model for community detection in multiplex networks. ○
- 103 Examining thematic and emotional differences across Twitter, Reddit, and YouTube: The case of COVID-19 vaccine side effects. **2023**, 144, 107734 ○
- 102 A novel network core structure extraction algorithm utilized variational autoencoder for community detection. **2023**, 222, 119775 ○
- 101 Opposite-sex associations are linked with annual fitness, but sociality is stable over lifetime. ○
- 100 Algorithms for Large-Scale Network Analysis and the NetworKit Toolkit. **2022**, 3-20 ○
- 99 Generating Synthetic Graph Data from Random Network Models. **2022**, 21-38 ○
- 98 Online Educational Video Recommendation System Analysis. **2022**, 1559-1577 ○
- 97 Uncertain Theory and Group Decision-Making. **2023**, 13-36 ○
- 96 HINChip: Heterogeneous Information Network Representation with Community Hierarchy Preserving. **2023**, 264, 110343 ○
- 95 A modified extreme event-based synchronicity measure for climate time series. **2023**, 33, 023105 ○
- 94 Vital node identification based on cycle structure in a multiplex network. **2023**, 96, ○
- 93 Ecological network structure in response to community assembly processes over evolutionary time. ○
- 92 A local community detection algorithm based on potential community exploration. 11, ○
- 91 Nuclear energy: Twitter data mining for social listening analysis. **2023**, 13, ○
- 90 Semi-supervised Community Detection using Graph Embedding. **2022**, ○
- 89 The Violin model—Looking at community networks for dynamic allosterity. **2023**, 158, 081001 ○
- 88 Disentangling the Information Flood on OSNs: Finding Notable Posts and Topics. **2022**, ○

- 87 Towards Practical Explainability with Cluster Descriptors. **2022**, 0
- 86 Exploring bacteriome diversity of coral *Goniopora* sp. and *Favia fava* from the Gulf of Kutch, Gujarat. **2023**, 192, 102361 0
- 85 QAOA-in-QAOA: Solving Large-Scale MaxCut Problems on Small Quantum Machines. **2023**, 19, 1
- 84 Multilayer networks of plasmid genetic similarity reveal potential pathways of gene transmission. **2023**, 17, 649-659 0
- 83 BioNAR: An Integrated Biological Network Analysis Package in Bioconductor. 0
- 82 A waterfowl seed-dispersal network from the Neotropical region is nested and modular. **2023**, 55, 480-488 0
- 81 AI reveals insights into link between CD33 and cognitive impairment in Alzheimer's Disease. **2023**, 19, e1009894 0
- 80 Temporal assessment of N-cycle microbial functions in a tropical agricultural soil using gene co-occurrence networks. **2023**, 18, e0281442 0
- 79 Formation of Small-World Network Containing Module Networks in Globally and Locally Coupled Map System with Changes in Global Connection with Time Delay Effects. **2023**, 92, 0
- 78 Stakeholder discourse coalitions and polarisation in the hen harrier conservation debate in news media. **2023**, 5, 668-683 0
- 77 Influential nodes identification in complex networks: a comprehensive literature review. **2023**, 12, 1
- 76 German Corona Protest Mobilizers on Telegram and Their Relations to the Far Right: A Network and Topic Analysis. **2023**, 9, 205630512311551 0
- 75 External supply risk of agricultural products trade along the Belt and Road under the background of COVID-19. 11, 0
- 74 Trust-based Misinformation Containment in Directed Online Social Networks. **2023**, 0
- 73 Improved Link Entropy with Dynamic Community Number Detection for Quantifying Significance of Edges in Complex Social Networks. **2023**, 25, 365 0
- 72 Large network community detection by fast label propagation. **2023**, 13, 0
- 71 Network-Based Dimensionality Reduction for Textual Datasets. **2023**, 175-190 0
- 70 Community Detection in Large and Complex Networks Using Semi-Local Similarity Measure. **2023**, 81-98 0

- 69 A Comparative Analysis of Different Multilevel Approaches for Community Detection. **2023**, 230-245 ○
- 68 Psychological impact of COVID-19: A cross-lagged network analysis from the English Longitudinal Study of Aging COVID-19 database. 14, ○
- 67 Identifying overlapping communities using multi-agent collective intelligence. **2021**, 18, 74-61 ○
- 66 A Multiagent Reinforcement Learning algorithm to solve the Community Detection Problem. **2022**, 19, 87-100 ○
- 65 Statistical Embedding: Beyond Principal Components. **2023**, -1, ○
- 64 Relationship Recognition between Knowledge and Ability Based on the Modularity of Complex Networks. **2023**, 15, 4119 ○
- 63 Cross-Modal Semantic Analysis by Tri-factorized Modular Hypergraph Autoencoder. ○
- 62 A Generalized Modularity for Computing Community Structure in Fully Signed Networks. **2023**, 2023, 1-20 ○
- 61 A novel method for multiple phenotype association studies based on genotype and phenotype network. ○
- 60 Composition, structure and robustness of Lichen guilds. **2023**, 13, ○
- 59 Core-periphery structure in networks: A statistical exposition. **2023**, 17, ○
- 58 Detecting Communities in Complex Networks Using an Adaptive Genetic Algorithm and Node Similarity-Based Encoding. **2023**, 2023, 1-22 ○
- 57 Is offshoring dead? A multidisciplinary review and future directions. **2023**, 101017 ○
- 56 Community detection in brain connectomes with hybrid quantum computing. **2023**, 13, ○
- 55 Structural Balance Considerations for Networks with Preference Orders as Node Attributes. **2022**, ○
- 54 Translocal networked public spheres: Spatial arrangements of metropolitan Twitter. 146144482311565 ○
- 53 Understanding school food systems to support the development and implementation of food based policies and interventions. **2023**, 20, ○
- 52 Deep Learning-Based Triphase Community Detection for Multimedia Data. **2023**, 389-404 ○

- 51 Implicit User Network Analysis of Communication Platform Open Data for Channel Recommendation. **2022**, ○
- 50 Resolution limit revisited: community detection using generalized modularity density. **2023**, 4, 025001 ○
- 49 An effective method for epidemic suppression by edge removing in complex network. 11, ○
- 48 Evolution of the rice blast pathogen on spatially structured rice landraces maintains multiple generalist fungal lineages. ○
- 47 Dissecting muscle synergies in the task space. ○
- 46 Integration and segregation dynamics in functional networks of individuals diagnosed with schizophrenia. ○
- 45 Network Partition Method for Reactive-voltage Control Considering Reactive Power Balance Based on Community Structure Theory. **2022**, ○
- 44 Structural Analysis of Projected Networks of Shareholders and Stocks Based on the Data of Large Shareholders' Shareholding in China's Stocks. **2023**, 11, 1545 ○
- 43 Transport collapse in dynamically evolving networks. **2023**, 20, ○
- 42 Construction and analysis of protein-protein interaction networks based on nuclear proteomics data of the desiccation-tolerant *Xerophyta schlechteri* leaves subjected to dehydration stress. **2023**, 16, ○
- 41 A Constrained Louvain Algorithm with a Novel Modularity. **2023**, 13, 4045 ○
- 40 Uncovering Coordinated Communities on Twitter During the 2020 U.S. Election. **2022**, ○
- 39 Multigraph transformation for community detection applied to financial services. **2022**, ○
- 38 A Hybrid Artificial Bee Colony Algorithm with Simulated Annealing for Enhanced Community Detection in Social Networks. **2022**, ○
- 37 A Modified Newman-Girvan Technique for Community Detection. **2023**, 233-241 ○
- 36 Temporal visitation patterns of points of interest in cities on a planetary scale: a network science and machine learning approach. **2023**, 13, ○
- 35 Stability of brain-behavior correlation patterns across measures of social support. ○
- 34 Quantum computing reduces systemic risk in financial networks. **2023**, 13, ○

- 33 Community Detection using Unsupervised Learning Approach. **2023**, ○
- 32 Visit Planner: A Personalized Mobile Trip Design Application based on a Hybrid Recommendation Model. ○
- 31 Considering weights in real social networks: A review. 11, ○
- 30 DC-GAN with Feature Attention for Single Image Dehazing. ○
- 29 Community Structure in Transcriptional Regulatory Networks of Yeast Species. **2023**, 38-49 ○
- 28 Nature vs. Nurture in Science: The Effect of Researchers Segregation on Papers Citation Histories. **2023**, 141-154 ○
- 27 Transit Travel Community Detection and Evolutionary Analysis: A Case Study of Shenzhen. **2023**, 15, 5900 ○
- 26 Community Detection at scale. **2022**, ○
- 25 A community discovery algorithm based on local extension of high-order triangle. **2023**, ○
- 24 The impact of social media marketing on the dissemination of mini program in social network with different community structure. 016555152311615 ○
- 23 Complex network of eye movements during rapid automatized naming. 17, ○
- 22 Gate-Level Circuit Partitioning Algorithm Based on Clustering and an Improved Genetic Algorithm. **2023**, 25, 597 ○
- 21 Random search immune algorithm for community detection. ○
- 20 Community structure and temporal dynamics of SARS-CoV-2 epistatic network allows for early detection of emerging variants with altered phenotypes. ○
- 19 Community Discovery Algorithm Based on Multi-Relationship Embedding. **2023**, 46, 2809-2820 ○
- 18 Overlapping communities detection through weighted graph community games. **2023**, 18, e0283857 ○
- 17 clusterMaker2: a major update to clusterMaker, a multi-algorithm clustering app for Cytoscape. **2023**, 24, ○
- 16 Hierarchical overlapping modular structure in the human cerebral cortex improves individual identification. **2023**, 26, 106575 ○

- 15 A multiresolution framework for the analysis of community structure in international trade networks. **2023**, 13, ○
- 14 A network perspective on the ecology of gut microbiota and progression of type 2 diabetes: Linkages to keystone taxa in a Mexican cohort. 14, ○
- 13 Comparative study between quality measurement functions of a community distribution in a complex network. **2023**, 220, 632-638 ○
- 12 Maximally modular structure of growing hyperbolic networks. **2023**, 6, ○
- 11 Hypotheses in urban ecology: building a common knowledge base. ○
- 10 Targeted Community Merging provides an efficient comparison between collaboration clusters and departmental partitions. **2023**, 11, ○
- 9 Artificial intelligence redefines RNA virus discovery. ○
- 8 Research on Deep Integration of the Belt and Road Aviation Network Based on Community Structure from the Perspective of China. **2023**, 2023, 1-21 ○
- 7 Graph model selection by edge probability prequential inference. **2023**, 11, ○
- 6 IMpart: A Partitioning-based Parallel Approach to Accelerate Influence Maximization. **2022**, ○
- 5 Patterns of Integration: A Network Perspective on Popular Religious Connections in China Lower Yangzi, 1150-1350. **2023**, 14, 577 ○
- 4 Fine-tuning Partition-aware Item Similarities for Efficient and Scalable Recommendation. **2023**, ○
- 3 Mesoscale Structure in Urban Rural Mobility Networks in the Pearl River Delta Area: A Weighted Stochastic Block Modeling Analysis. **2023**, 12, 183 ○
- 2 Perspective: Advances, Challenges, and Insight for Predictive Coarse-Grained Models. **2023**, 127, 4174-4207 ○
- 1 Measuring ethics level of technological topics using phylogenetic tree. 1-14 ○