

# Catastrophic cascade of failures in interdependent networks

Nature

464, 1025-1028

DOI: [10.1038/nature08932](https://doi.org/10.1038/nature08932)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Design of a cw HF laser with a spherical telescopic resonator. Soviet Journal of Quantum Electronics, 1977, 7, 1423-1425.	0.1	5
2	The fragility of interdependency. Nature, 2010, 464, 984-985.	13.7	498
3	Lessons in complexity from yeast. Nature, 2010, 464, 985-986.	13.7	2
5	Optimizing Topological Cascade Resilience Based on the Structure of Terrorist Networks. PLoS ONE, 2010, 5, e13448.	1.1	29
6	Iterative node matching between complex networks. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 395002.	0.7	6
7	From Broadstone to Zackenber. Advances in Ecological Research, 2010, 42, 1-69.	1.4	73
8	Inter-similarity between coupled networks. Europhysics Letters, 2010, 92, 68002.	0.7	269
9	Finite-size scaling theory for explosive percolation transitions. Physical Review E, 2010, 82, 042102.	0.8	46
10	Interdependent Networks: Reducing the Coupling Strength Leads to a Change from a First to Second Order Percolation Transition. Physical Review Letters, 2010, 105, 048701.	2.9	632
11	Response to targeted perturbations for random walks on networks. Physical Review E, 2010, 82, 056106.	0.8	4
12	Do topological models provide good information about electricity infrastructure vulnerability?. Chaos, 2010, 20, 033122.	1.0	278
13	Methodologies for inter-dependency assessment. , 2010, , .		12
14	Attacks on correlated peer-to-peer networks: An analytical study. , 2011, , .		3
15	Influence of the connection between different subnetworks on the supernetwork reliability. , 2011, , .		0
16	Topological Models and Critical Slowing down: Two Approaches to Power System Blackout Risk Analysis. , 2011, , .		33
17	Cascading Failure Tolerance of Modular Small-World Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 527-531.	2.2	60
18	Synchronization in interdependent networks. Chaos, 2011, 21, 025106.	1.0	39
19	A simulative analysis of the robustness of Smart Grid communication networks. , 2011, , .		7

#	ARTICLE	IF	CITATIONS
20	Flow control by periodic devices: a unifying language for the description of traffic, production, and metabolic systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P05004.	0.9	20
21	Robustness of a Network of Networks. <i>Physical Review Letters</i> , 2011, 107, 195701.	2.9	509
22	Explosive Percolation is Continuous, but with Unusual Finite Size Behavior. <i>Physical Review Letters</i> , 2011, 106, 225701.	2.9	157
23	Coordinated scheduling of electricity and natural gas infrastructures with a transient model for natural gas flow. <i>Chaos</i> , 2011, 21, 025102.	1.0	185
25	Tribute to H. Eugene Stanley. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13963-13964.	1.2	0
26	Robustness of interdependent networks under targeted attack. <i>Physical Review E</i> , 2011, 83, 065101.	0.8	408
27	Cascade mitigation in energy hub networks. , 2011, , .		13
29	Are We Entering an Era of Concatenated Global Crises?. <i>Ecology and Society</i> , 2011, 16, .	1.0	73
30	The Quest for Content: How User-Generated Links Can Facilitate Online Exploration. <i>SSRN Electronic Journal</i> , 2011, , .	0.4	4
31	Probabilistic Study of Cascading Failures in Complex Interdependent Lifeline Systems. , 2011, , .		0
32	Models for reducing the risk of critical networked infrastructures. <i>International Journal of Risk Assessment and Management</i> , 2011, 15, 99.	0.2	5
33	The ecological and evolutionary implications of merging different types of networks. <i>Ecology Letters</i> , 2011, 14, 1170-1181.	3.0	332
34	Impact of single links in competitive percolation. <i>Nature Physics</i> , 2011, 7, 265-270.	6.5	173
35	FuturICT: FET Flagship Pilot Project. <i>Procedia Computer Science</i> , 2011, 7, 34-38.	1.2	7
36	Investigating the topology of interacting networks. <i>European Physical Journal B</i> , 2011, 84, 635-651.	0.6	165
37	The geometry of chaotic dynamics â€” a complex network perspective. <i>European Physical Journal B</i> , 2011, 84, 653-672.	0.6	126
38	From social data mining to forecasting socio-economic crises. <i>European Physical Journal: Special Topics</i> , 2011, 195, 3.	1.2	61
39	Discussion of protection and cascading outages from the viewpoint of communication. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
40	Networks in Plant Epidemiology: From Genes to Landscapes, Countries, and Continents. <i>Phytopathology</i> , 2011, 101, 392-403.	1.1	81
41	Chromatin interaction networks and higher order architectures of eukaryotic genomes. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 2218-2221.	1.2	18
42	Error and attack tolerance of small-worldness in complex networks. <i>Journal of Informetrics</i> , 2011, 5, 422-430.	1.4	27
43	Characteristics for two kinds of cascading events. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1440-1446.	1.2	1
44	Spatial networks. <i>Physics Reports</i> , 2011, 499, 1-101.	10.3	1,859
45	Robustness of the western United States power grid under edge attack strategies due to cascading failures. <i>Safety Science</i> , 2011, 49, 807-812.	2.6	158
46	Interconnecting bilayer networks. <i>Europhysics Letters</i> , 2011, 93, 68002.	0.7	17
47	Modeling and analysis of composite network embeddings. , 2011, , .		3
48	How to glue a robust smart-grid?. , 2011, , .		9
49	Percolation in networks composed of connectivity and dependency links. <i>Physical Review E</i> , 2011, 83, 051127.	0.8	104
50	Onion structure and network robustness. <i>Physical Review E</i> , 2011, 84, 026106.	0.8	80
51	Exact solutions for social and biological contagion models on mixed directed and undirected, degree-correlated random networks. <i>Physical Review E</i> , 2011, 84, 016110.	0.8	14
52	Cascaded failures in weighted networks. <i>Physical Review E</i> , 2011, 84, 046114.	0.8	139
53	Enhancing neural-network performance via assortativity. <i>Physical Review E</i> , 2011, 83, 036114.	0.8	27
54	Interdependent networks with identical degrees of mutually dependent nodes. <i>Physical Review E</i> , 2011, 83, 016112.	0.8	193
55	Cascade of failures in coupled network systems with multiple support-dependence relations. <i>Physical Review E</i> , 2011, 83, 036116.	0.8	315
56	Percolation Transitions Are Not Always Sharpened by Making Networks Interdependent. <i>Physical Review Letters</i> , 2011, 107, 195702.	2.9	70
57	Stress test model of cascading failures in power grids. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
58	The Need for Champions for Approximate Social Search. , 2011, , .		0
59	Effects of Interconnections on Epidemics in Network of Networks. , 2011, , .		14
60	Onset of cooperation between layered networks. Physical Review E, 2011, 84, 026101.	0.8	66
61	Robustness of multilayer oscillator networks. Physical Review E, 2011, 83, 056208.	0.8	53
62	Explosive site percolation with a product rule. Physical Review E, 2011, 84, 020102.	0.8	29
63	Percolation in interdependent and interconnected networks: Abrupt change from second- to first-order transitions. Physical Review E, 2011, 84, 066116.	0.8	128
64	The interaction between multiplex community networks. Chaos, 2011, 21, 016104.	1.0	14
65	Optimizing Navigation Satellite Enhancement Information Distribution Network Based on X10 and MPI. Applied Mechanics and Materials, 2011, 58-60, 2177-2182.	0.2	0
66	Self-Organized Criticality Analysis of Earthquake Model Based on Heterogeneous Networks. Communications in Theoretical Physics, 2011, 55, 89-94.	1.1	3
67	On allocating interconnecting links against cascading failures in cyber-physical networks. , 2011, , .		3
68	Degree design of coupled infrastructures. International Journal of Critical Infrastructures, 2011, 7, 141.	0.1	0
69	Critical effect of dependency groups on the function of networks. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1007-1010.	3.3	247
70	Braess's paradox in oscillator networks, desynchronization and power outage. New Journal of Physics, 2012, 14, 083036.	1.2	161
71	Correlated multiplexity and connectivity of multiplex random networks. New Journal of Physics, 2012, 14, 033027.	1.2	160
72	Percolation theory on interdependent networks based on epidemic spreading. Europhysics Letters, 2012, 97, 16006.	0.7	241
73	Bond percolation on a class of correlated and clustered random graphs. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 405005.	0.7	22
74	Synchronization of hypernetworks of coupled dynamical systems. New Journal of Physics, 2012, 14, 033035.	1.2	109
75	OPTIMIZED SCALE-FREE NETWORKS AGAINST CASCADING FAILURES. International Journal of Modern Physics C, 2012, 23, 1250075.	0.8	15

#	ARTICLE	IF	CITATIONS
76	Systems Approach to Civil Engineering Decisions. Journal of Professional Issues in Engineering Education and Practice, 2012, 138, 257-261.	0.9	8
77	Competing memes propagation on networks. Computer Communication Review, 2012, 42, 5-12.	1.5	42
78	Exact solution of bond percolation on small arbitrary graphs. Europhysics Letters, 2012, 98, 16001.	0.7	8
79	Fluctuation-induced traffic congestion in heterogeneous networks. Europhysics Letters, 2012, 100, 36002.	0.7	3
80	Overspill avalanching in a dense reservoir network. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7191-7195.	3.3	68
81	Reactive control of Ms. Pac Man using information retrieval based on Genetic Programming. , 2012, , .		13
82	Evaluating the impact of modeling assumptions for cascading failure simulation. , 2012, , .		16
83	Impacts of control and communication system vulnerabilities on power systems under contingencies. , 2012, , .		12
84	Cascading Failures in Interdependent Lattice Networks: The Critical Role of the Length of Dependency Links. Physical Review Letters, 2012, 108, 228702.	2.9	211
85	Analysis of complex contagions in random multiplex networks. Physical Review E, 2012, 86, 036103.	0.8	137
86	Avalanche Collapse of Interdependent Networks. Physical Review Letters, 2012, 109, 248701.	2.9	263
87	Graphical Notation Reveals Topological Stability Criteria for Collective Dynamics in Complex Networks. Physical Review Letters, 2012, 108, 194102.	2.9	19
88	Cascading dynamics on random networks: Crossover in phase transition. Physical Review E, 2012, 85, 026110.	0.8	56
89	Removing spurious interactions in complex networks. Physical Review E, 2012, 85, 036101.	0.8	68
90	Robustness of a network formed by $n$ interdependent networks with a one-to-one correspondence of dependent nodes. Physical Review E, 2012, 85, 066134.	0.8	132
91	Interspecific Competition Underlying Mutualistic Networks. Physical Review Letters, 2012, 108, 108701.	2.9	6
92	Enhancing network robustness against malicious attacks. Physical Review E, 2012, 85, 066130.	0.8	142
93	Multiplexity-facilitated cascades in networks. Physical Review E, 2012, 85, 045102.	0.8	164

#	ARTICLE	IF	CITATIONS
94	Alternative criterion for two-dimensional wrapping percolation. Physical Review E, 2012, 85, 042106.	0.8	4
95	Topological analysis of cascading failures in Bay Area power grid. , 2012, , .		1
96	Percolation of partially interdependent networks under targeted attack. Physical Review E, 2012, 85, 016112.	0.8	102
97	Synchronization of dynamical hypernetworks: Dimensionality reduction through simultaneous block-diagonalization of matrices. Physical Review E, 2012, 86, 056102.	0.8	70
98	Epidemics on interconnected networks. Physical Review E, 2012, 85, 066109.	0.8	230
99	ROBUSTNESS OF HETEROGENOUS NETWORKS WITH MITIGATION STRATEGY AGAINST CASCADING FAILURES. Modern Physics Letters B, 2012, 26, 1250087.	1.0	6
100	EFFECTS OF TRAFFIC PROPERTIES AND DEGREE HETEROGENEITY IN FLOW FLUCTUATIONS ON COMPLEX NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250170.	0.7	2
101	Evolution of public cooperation on interdependent networks: The impact of biased utility functions. Europhysics Letters, 2012, 97, 48001.	0.7	306
102	Cascade Failure in a Phase Model of Power Grids. Journal of the Physical Society of Japan, 2012, 81, 074005.	0.7	11
103	Preferential attachment in the interaction between dynamically generated interdependent networks. Europhysics Letters, 2012, 100, 50004.	0.7	20
104	The Quest for Content: How User-Generated Links can Facilitate Online Exploration. Journal of Marketing Research, 2012, 49, 452-468.	3.0	86
105	Disordered Proteins and Network Disorder in Network Descriptions of Protein Structure, Dynamics and Function: Hypotheses and a Comprehensive Review. Current Protein and Peptide Science, 2012, 13, 19-33.	0.7	49
106	High Dimensionality in Finance: A Graph-Theory Analysis. Contemporary Studies in Economic and Financial Analysis, 2012, , 93-119.	0.4	1
107	Complex Network Theory based Power Grid Vulnerability Assessment from Past to Future. , 2012, , .		4
108	Predicting effects of structural stress in a genome-reduced model bacterial metabolism. Scientific Reports, 2012, 2, 621.	1.6	13
109	Extreme Event Recurrence Time Distributions and Long Memory. Geophysical Monograph Series, 2012, , 335-344.	0.1	0
110	Extreme Space Weather: Forecasting Behavior of a Nonlinear Dynamical System. Geophysical Monograph Series, 2012, , 255-265.	0.1	2
111	Networks in motion. Physics Today, 2012, 65, 43-48.	0.3	39

#	ARTICLE	IF	CITATIONS
112	Probabilistic interconnection between interdependent networks promotes cooperation in the public goods game. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P11017.	0.9	67
113	Failure Development in a System of Two Connected Networks. <i>Transport and Telecommunication</i> , 2012, 13, 255-260.	0.7	1
114	The competitiveness versus the wealth of a country. <i>Scientific Reports</i> , 2012, 2, 678.	1.6	26
115	Ising Model on Connected Complex Networks. , 2012, , 167-200.		3
116	Social networks – The future for health care delivery. <i>Social Science and Medicine</i> , 2012, 75, 2233-2241.	1.8	157
117	Smart grids as distributed learning control. , 2012, , .		22
118	Information diffusion in overlaying social-physical networks. , 2012, , .		20
119	Threshold conditions for arbitrary cascade models on arbitrary networks. <i>Knowledge and Information Systems</i> , 2012, 33, 549-575.	2.1	100
120	Mitigation of cascading failures on complex networks. <i>Nonlinear Dynamics</i> , 2012, 70, 1959-1967.	2.7	43
121	The co-evolution of socio-technical structures in sustainable software development: Lessons from the open source software communities. , 2012, , .		8
122	Evolution of Cooperation in Multiplex Networks. <i>Scientific Reports</i> , 2012, 2, 620.	1.6	355
123	Evolutionary dynamics on interdependent populations. <i>Physical Review E</i> , 2012, 86, 056113.	0.8	104
124	Optimal Allocation of Interconnecting Links in Cyber-Physical Systems: Interdependence, Cascading Failures, and Robustness. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2012, 23, 1708-1720.	4.0	169
125	Suppressing cascades of load in interdependent networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E680-9.	3.3	450
126	Inter-System Software Adapter for Decision Support by Interfacing Disaster Response Platforms &&& Simulation Platforms. , 2012, , .		1
127	Dependent failures in highly reliable static networks. , 2012, , .		12
128	Assortativity decreases the robustness of interdependent networks. <i>Physical Review E</i> , 2012, 86, 066103.	0.8	163
129	Transport on Coupled Spatial Networks. <i>Physical Review Letters</i> , 2012, 109, 128703.	2.9	182



#	ARTICLE	IF	CITATIONS
130	Core Percolation on Complex Networks. <i>Physical Review Letters</i> , 2012, 109, 205703.	2.9	72
131	Effect of resource constraints on intersimilar coupled networks. <i>Physical Review E</i> , 2012, 86, 066120.	0.8	18
132	Epidemics spreading in interconnected complex networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 2689-2696.	0.9	28
133	Evolution of Robust Network Topologies: Emergence of Central Backbones. <i>Physical Review Letters</i> , 2012, 109, 118703.	2.9	73
134	Continuous Percolation with Discontinuities. <i>Physical Review X</i> , 2012, 2, .	2.8	35
135	Selfish cellular networks and the evolution of complex organisms. <i>Comptes Rendus - Biologies</i> , 2012, 335, 169-179.	0.1	6
136	Role of network topology in the synchronization of power systems. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	66
137	Challenges in complex systems science. <i>European Physical Journal: Special Topics</i> , 2012, 214, 245-271.	1.2	59
138	Challenges in network science: Applications to infrastructures, climate, social systems and economics. <i>European Physical Journal: Special Topics</i> , 2012, 214, 273-293.	1.2	146
139	A complex systems approach to constructing better models for managing financial markets and the economy. <i>European Physical Journal: Special Topics</i> , 2012, 214, 295-324.	1.2	101
140	An economic and financial exploratory. <i>European Physical Journal: Special Topics</i> , 2012, 214, 361-400.	1.2	18
141	The emerging energy web. <i>European Physical Journal: Special Topics</i> , 2012, 214, 547-569.	1.2	14
142	Robustness and assortativity for diffusion-like processes in scale-free networks. <i>Europhysics Letters</i> , 2012, 97, 68006.	0.7	71
143	Biodiversity, Species Interactions and Ecological Networks in a Fragmented World. <i>Advances in Ecological Research</i> , 2012, 46, 89-210.	1.4	284
144	Optimizing Network Topology for Cascade Resilience. <i>Springer Optimization and Its Applications</i> , 2012, , 37-59.	0.6	18
145	Impact of energy storage on cascade mitigation in multi-energy systems. , 2012, , .		12
146	Geometric detection of coupling directions by means of inter-system recurrence networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 3504-3513.	0.9	87
147	Advances in Computer, Communication, Control and Automation. <i>Lecture Notes in Electrical Engineering</i> , 2012, , .	0.3	3

#	ARTICLE	IF	CITATIONS
148	System Simulation and Scientific Computing. Communications in Computer and Information Science, 2012, , .	0.4	0
149	Network physiology reveals relations between network topology and physiological function. Nature Communications, 2012, 3, 702.	5.8	548
150	Three-dimensional air-sea interactions investigated with bilayer networks. Theoretical and Applied Climatology, 2012, 109, 635-643.	1.3	20
151	Ising model for distribution networks. Philosophical Magazine, 2012, 92, 168-191.	0.7	0
152	Robustness of onionlike correlated networks against targeted attacks. Physical Review E, 2012, 85, 046109.	0.8	87
153	An integrated visualization approach for smart grid attacks. , 2012, , .		9
154	Hierarchical Information Clustering by Means of Topologically Embedded Graphs. PLoS ONE, 2012, 7, e31929.	1.1	87
155	Functional and Topological Properties in Hepatocellular Carcinoma Transcriptome. PLoS ONE, 2012, 7, e35510.	1.1	24
156	The Major Transitions of Life from a Network Perspective. Frontiers in Physiology, 2012, 3, 94.	1.3	10
157	Structural Analysis in Multi-Relational Social Networks. , 2012, , .		5
158	Population movement under extreme events. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11472-11473.	3.3	19
159	Discontinuous percolation transitions in epidemic processes, surface depinning in random media, and Hamiltonian random graphs. Physical Review E, 2012, 86, 011128.	0.8	69
160	Agglomerative percolation on bipartite networks: Nonuniversal behavior due to spontaneous symmetry breaking at the percolation threshold. Physical Review E, 2012, 86, 011118.	0.8	10
161	Sandpiles on multiplex networks. Journal of the Korean Physical Society, 2012, 60, 641-647.	0.3	20
162	The Robustness and Restoration of a Network of Ecological Networks. Science, 2012, 335, 973-977.	6.0	489
163	Networks formed from interdependent networks. Nature Physics, 2012, 8, 40-48.	6.5	961
164	Epidemic spreading on interconnected networks. Physical Review E, 2012, 86, 026106.	0.8	270
165	Universal robustness of scale-free networks against cascading edge failures. Complexity, 2012, 17, 17-23.	0.9	4

#	ARTICLE	IF	CITATIONS
166	Revealing the process of edge-based-attack cascading failures. <i>Nonlinear Dynamics</i> , 2012, 69, 837-845.	2.7	53
167	How reliable is cloud sourcing? A review of articles in the technical media 2005-11. <i>Computer Law and Security Review</i> , 2012, 28, 90-95.	1.3	11
168	Two-population dynamics in a growing network model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 1811-1821.	1.2	1
169	$\langle mml:math \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si12.gif" display="inline" overflow="scroll"} \rangle \langle mml:mn \rangle 1 \langle /mml:mn \rangle \langle mml:mo \rangle / \langle /mml:mo \rangle \langle mml:mi \rangle f \langle /mml:mi \rangle \langle /mml:math \rangle$ behavior in cross-correlations between absolute returns in a US market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2860-2866.	1.2	91
170	Analysis of cascading failure in complex power networks under the load local preferential redistribution rule. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2771-2777.	1.2	58
171	Vulnerability analysis of interdependent infrastructure systems: A methodological framework. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 3323-3335.	1.2	128
172	Modeling cascading failures in complex networks based on radiate circle. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4004-4011.	1.2	32
173	Percolation on Interdependent Networks with a Fraction of Antagonistic Interactions. <i>Journal of Statistical Physics</i> , 2013, 152, 1069-1083.	0.5	15
174	Non-consensus Opinion Models on Complex Networks. <i>Journal of Statistical Physics</i> , 2013, 151, 92-112.	0.5	46
175	Using Laplacian Eigenmap as Heuristic Information to Solve Nonlinear Constraints Defined on a Graph and Its Application in Distributed Range-Free Localization of Wireless Sensor Networks. <i>Neural Processing Letters</i> , 2013, 37, 411-424.	2.0	60
177	Thinking Through Networks: A Review of Formal Network Methods in Archaeology. <i>Journal of Archaeological Method and Theory</i> , 2013, 20, 623-662.	1.4	232
178	Multiscale regime shifts and planetary boundaries. <i>Trends in Ecology and Evolution</i> , 2013, 28, 389-395.	4.2	243
179	Crackling noise in fractional percolation. <i>Nature Communications</i> , 2013, 4, 2222.	5.8	38
180	Cascading dynamics with local weighted flow redistribution in interdependent networks. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	11
181	The extreme vulnerability of interdependent spatially embedded networks. <i>Nature Physics</i> , 2013, 9, 667-672.	6.5	253
182	Explosive synchronization transitions in complex neural networks. <i>Chaos</i> , 2013, 23, 033124.	1.0	33
184	Global networks of trade and bits. <i>Journal of Economic Interaction and Coordination</i> , 2013, 8, 33-56.	0.4	18
185	Collective behavior and evolutionary games - An introduction. <i>Chaos, Solitons and Fractals</i> , 2013, 56, 1-5.	2.5	146

#	ARTICLE	IF	CITATIONS
186	Anomaly detection in shop floor material flow: A network theory approach. CIRP Annals - Manufacturing Technology, 2013, 62, 487-490.	1.7	22
187	Percolation on shopping and cashback electronic commerce networks. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2807-2820.	1.2	6
188	Fast selection of N&#x2212;2 contingencies for online security assessment. , 2013, , .		10
189	Eigenvector centrality of nodes in multiplex networks. Chaos, 2013, 23, 033131.	1.0	207
190	Growing Multiplex Networks. Physical Review Letters, 2013, 111, 058701.	2.9	234
191	Percolation model with continuously varying exponents. Physical Review E, 2013, 88, 042122.	0.8	13
192	Can Cyber Warfare Leave a Nation in the Dark? Cyber Attacks Against Electrical Infrastructure. , 2013, , 209-222.		2
194	Triple point in correlated interdependent networks. Physical Review E, 2013, 88, 050803.	0.8	73
195	Cities and Transport Networks in Shipping and Logistics Research. Asian Journal of Shipping and Logistics, 2013, 29, 145-166.	1.8	32
196	Physical network infrastructure design based on user communication patterns. European Physical Journal B, 2013, 86, 1.	0.6	0
197	Nonlocal failures in complex supply networks by single link additions. European Physical Journal B, 2013, 86, 1.	0.6	41
198	Multivariate recurrence network analysis for characterizing horizontal oil-water two-phase flow. Physical Review E, 2013, 88, 032910.	0.8	60
199	Inducing effect on the percolation transition in complex networks. Nature Communications, 2013, 4, 2412.	5.8	37
200	Abrupt transition in the structural formation of interconnected networks. Nature Physics, 2013, 9, 717-720.	6.5	274
201	A dynamic neural network approach for solving nonlinear inequalities defined on a graph and its application to distributed, routing-free, range-free localization of WSNs. Neurocomputing, 2013, 117, 72-80.	3.5	116
202	Interdependent network reciprocity in evolutionary games. Scientific Reports, 2013, 3, 1183.	1.6	368
203	Synchronized control of socio-economics systems and wisdom of collective. , 2013, , .		0
204	Parallel Experiment for Urban Rail Emergency Evacuation: An Approach for Hub Identification. IEEE Intelligent Systems, 2013, 28, 52-59.	4.0	3

#	ARTICLE	IF	CITATIONS
205	MATCASC: A tool to analyse cascading line outages in power grids. , 2013, , .		28
206	A decentralized control algorithm based on the DC power flow model for avoiding cascaded failures in power networks. , 2013, , .		2
207	Methods for Multilevel Analysis and Visualisation of Geographical Networks. , 2013, , .		22
208	On the role of power-grid and communication-system interdependencies on cascading failures. , 2013, , .		24
209	Assessing the effect of geographically correlated failures on interconnected power-communication networks. , 2013, , .		11
210	Challenge tracing and mitigation under partial information and uncertainty. , 2013, , .		2
211	Explosive synchronization on co-evolving networks. Europhysics Letters, 2013, 103, 48004.	0.7	17
212	Finding critical regions in a network. , 2013, , .		10
213	Diffusion Dynamics on Multiplex Networks. Physical Review Letters, 2013, 110, 028701.	2.9	738
214	How basin stability complements the linear-stability paradigm. Nature Physics, 2013, 9, 89-92.	6.5	426
215	Minimal functional routes in directed graphs with dependent edges. International Transactions in Operational Research, 2013, 20, 391-409.	1.8	8
216	Problems and Challenges in Control Theory under Complex Dynamical Network Environments. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 312-321.	1.5	37
217	Non-monotonic increase of robustness with capacity tolerance in power grids. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 5516-5524.	1.2	8
218	Structural robustness of city road networks based on community. Computers, Environment and Urban Systems, 2013, 41, 75-87.	3.3	51
219	Power laws and fragility in flow networks. Social Networks, 2013, 35, 116-123.	1.3	4
220	Analysis of complex network performance and heuristic node removal strategies. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 3458-3468.	1.7	26
221	A decentralized flow redistribution algorithm for avoiding cascaded failures in complex networks. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 6135-6145.	1.2	6
222	Coevolution and Correlated Multiplexity in Multiplex Networks. Physical Review Letters, 2013, 111, 058702.	2.9	112

#	ARTICLE	IF	CITATIONS
223	Optimal weighting scheme and the role of coupling strength against load failures in degree-based weighted interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1920-1924.	1.2	22
224	Mitigation strategies on scale-free networks against cascading failures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 2257-2264.	1.2	62
225	Network diversity and maritime flows. <i>Journal of Transport Geography</i> , 2013, 30, 77-88.	2.3	87
226	Analyzing vulnerabilities between SCADA system and SUC due to interdependencies. <i>Reliability Engineering and System Safety</i> , 2013, 111, 76-93.	5.1	35
227	Probabilistic study of cascading failures in complex interdependent lifeline systems. <i>Reliability Engineering and System Safety</i> , 2013, 111, 260-272.	5.1	126
228	Successful strategies for competing networks. <i>Nature Physics</i> , 2013, 9, 230-234.	6.5	82
229	Risks of an epidemic in a two-layered railway-local area traveling network. <i>European Physical Journal B</i> , 2013, 86, 13.	0.6	26
230	Modeling the multi-layer nature of the European Air Transport Network: Resilience and passengers re-scheduling under random failures. <i>European Physical Journal: Special Topics</i> , 2013, 215, 23-33.	1.2	226
231	Structure and dynamics of molecular networks: A novel paradigm of drug discovery. , 2013, 138, 333-408.		779
232	Tuning Synchronization of Integrate-and-Fire Oscillators through Mobility. <i>Physical Review Letters</i> , 2013, 110, 114101.	2.9	39
233	Detecting Critical Nodes in Interdependent Power Networks for Vulnerability Assessment. <i>IEEE Transactions on Smart Grid</i> , 2013, 4, 151-159.	6.2	222
234	Networking a statistical physics perspective. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 103001.	0.7	17
235	The robustness of interdependent clustered networks. <i>Europhysics Letters</i> , 2013, 101, 18002.	0.7	97
236	The role of the circadian system in fractal neurophysiological control. <i>Biological Reviews</i> , 2013, 88, 873-894.	4.7	51
237	Globally networked risks and how to respond. <i>Nature</i> , 2013, 497, 51-59.	13.7	862
238	Multi-Contingency Cascading Analysis of Smart Grid Based on Self-Organizing Map. <i>IEEE Transactions on Information Forensics and Security</i> , 2013, 8, 646-656.	4.5	69
239	Statistical mechanics of multiplex networks: Entropy and overlap. <i>Physical Review E</i> , 2013, 87, 062806.	0.8	283
240	Percolation of partially interdependent scale-free networks. <i>Physical Review E</i> , 2013, 87, 052812.	0.8	103

#	ARTICLE	IF	CITATIONS
241	Multi-Agent Technology for Power System Control. Green Energy and Technology, 2013, , 567-609.	0.4	10
242	Transmission Network Investment With Probabilistic Security and Corrective Control. IEEE Transactions on Power Systems, 2013, 28, 3935-3944.	4.6	44
243	Tight Wavelet Frames on Multislice Graphs. IEEE Transactions on Signal Processing, 2013, 61, 3357-3367.	3.2	205
244	Realistic control of network dynamics. Nature Communications, 2013, 4, 1942.	5.8	304
245	Percolation on interacting, antagonistic networks. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P05005.	0.9	40
246	Robustness of complex networks with the local protection strategy against cascading failures. Safety Science, 2013, 53, 219-225.	2.6	88
247	Quantifying Trading Behavior in Financial Markets Using Google Trends. Scientific Reports, 2013, 3, 1684.	1.6	644
248	Modeling cascading failures in smart power grid using interdependent complex networks and percolation theory. , 2013, , .		22
249	In quest of benchmarking security risks to cyber-physical systems. IEEE Network, 2013, 27, 19-24.	4.9	80
250	Evolutionary dynamics of group interactions on structured populations: a review. Journal of the Royal Society Interface, 2013, 10, 20120997.	1.5	1,023
251	Algorithm to determine the percolation largest component in interconnected networks. Physical Review E, 2013, 87, 043302.	0.8	27
252	Ranking spreaders by decomposing complex networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1031-1035.	0.9	333
253	THUP: A P2P Network Robust to Churn and DoS Attack Based on Bimodal Degree Distribution. IEEE Journal on Selected Areas in Communications, 2013, 31, 247-256.	9.7	16
254	Unstable supercritical discontinuous percolation transitions. Physical Review E, 2013, 88, 042152.	0.8	27
255	Minimizing Eccentricity in Composite Networks via Constrained Edge Additions. , 2013, , .		17
256	Domino of the smart grid: An empirical study of system behaviors in the interdependent network architecture. , 2013, , .		14
257	Balancing System Survivability and Cost of Smart Grid Via Modeling Cascading Failures. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 45-56.	3.2	73
258	Mathematical Formulation of Multilayer Networks. Physical Review X, 2013, 3, .	2.8	513

#	ARTICLE	IF	CITATIONS
259	Cascading Failures in Bi-partite Graphs: Model for Systemic Risk Propagation. Scientific Reports, 2013, 3, 1219.	1.6	155
260	Recurrence networks from multivariate signals for uncovering dynamic transitions of horizontal oil-water stratified flows. Europhysics Letters, 2013, 103, 50004.	0.7	84
261	Robustness of interdependent networks: The case of communication networks and the power grid. , 2013, , .		95
262	Roadway network as a degrading system: vulnerability and system level performance. Transportation Letters, 2013, 5, 105-114.	1.8	12
263	Topological protection from the next generation malware: a survey. International Journal of Critical Infrastructures, 2013, 9, 52.	0.1	5
264	Identifying vulnerabilities in critical infrastructures by network analysis. International Journal of Critical Infrastructures, 2013, 9, 190.	0.1	11
265	Search delay and success in combined social and communication networks. , 2013, , .		4
266	Consequence-, time- and interdependency-based risk assessment in the field of critical infrastructure. Risk Management, 2013, 15, 100-131.	1.2	7
267	Breathing synchronization in interconnected networks. Scientific Reports, 2013, 3, 3289.	1.6	51
268	Dynamics Control of the Complex Systems via Nondifferentiability. Journal of Applied Mathematics, 2013, 2013, 1-12.	0.4	6
269	Epidemic spreading on multi-relational networks. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 168903.	0.2	21
270	Default Cascades in Complex Networks: Topology and Systemic Risk. Scientific Reports, 2013, 3, 2759.	1.6	126
271	Cascading Failures in Two-Layered Interdependent Scale-Free Networks. Applied Mechanics and Materials, 0, 419, 918-924.	0.2	0
272	Identifying Vulnerable Nodes of Complex Networks in Cascading Failures Induced by Node-Based Attacks. Mathematical Problems in Engineering, 2013, 2013, 1-10.	0.6	12
273	Cascading Dynamics of Heterogenous Scale-Free Networks with Recovery Mechanism. Abstract and Applied Analysis, 2013, 2013, 1-13.	0.3	2
274	Information sharing promotes prosocial behaviour. New Journal of Physics, 2013, 15, 053010.	1.2	124
275	Connect and win: The role of social networks in political elections. Europhysics Letters, 2013, 102, 16002.	0.7	56
276	Calibration and Validation of a Seismic Damage Propagation Model for Interdependent Infrastructure Systems. Earthquake Spectra, 2013, 29, 1021-1041.	1.6	12



#	ARTICLE	IF	CITATIONS
277	Fuzzy community-detection algorithm on spectral mapping. , 2013, , .		0
278	A Cascading Invulnerability Analysis for Multi-Layered Networks. Advanced Materials Research, 0, 846-847, 853-857.	0.3	1
279	Controller Placement for Improving Resilience of Software-Defined Networks. , 2013, , .		55
280	Data Risks in the Cloud. Journal of Theoretical and Applied Electronic Commerce Research, 2013, 8, 9-10.	3.1	14
281	Outbreaks of coinfections: The critical role of cooperativity. Europhysics Letters, 2013, 104, 50001.	0.7	69
282	Node-weighted interacting network measures improve the representation of real-world complex systems. Europhysics Letters, 2013, 102, 28007.	0.7	45
283	Cascading failures of loads in interconnected networks under intentional attack. Europhysics Letters, 2013, 102, 28009.	0.7	125
284	k-connectivity for confined random networks. Europhysics Letters, 2013, 103, 28006.	0.7	8
285	The robustness of interdependent transportation networks under targeted attack. Europhysics Letters, 2013, 103, 68005.	0.7	54
286	Robustness of n interdependent networks with partial support-dependence relationship. Europhysics Letters, 2013, 102, 68004.	0.7	48
287	Two Cascade Fault Models in Bayesian Networks. Advanced Materials Research, 2013, 756-759, 3153-3156.	0.3	0
288	ENHANCING THE RESILIENCE OF NETWORKED AGENTS THROUGH RISK SHARING. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350006.	0.9	3
289	Critical effects of overlapping of connectivity and dependence links on percolation of networks. New Journal of Physics, 2013, 15, 093013.	1.2	30
290	Percolation of a general network of networks. Physical Review E, 2013, 88, 062816.	0.8	103
291	Phase transition in the biconnectivity of scale-free networks. Physical Review E, 2013, 87, 022804.	0.8	6
292	Cascade effects of load shedding in coupled networks. , 2013, , .		1
293	Spreading of cooperative behaviour across interdependent groups. Scientific Reports, 2013, 3, 2483.	1.6	126
294	Efficient recovery of dynamic behavior in coupled oscillator networks. Physical Review E, 2013, 88, 032909.	0.8	27

#	ARTICLE	IF	CITATIONS
295	Vulnerability of complex networks under multiple node-based attacks. , 2013, , .		0
296	Phase transitions in supercritical explosive percolation. Physical Review E, 2013, 87, 052130.	0.8	37
297	Impact of compatibility on the organization of mutualistic networks. Physical Review E, 2013, 88, 022804.	0.8	2
298	Fluctuation-driven traffic congestion in a scale-free model of the Internet. , 2013, , .		1
299	Emergence of network features from multiplexity. Scientific Reports, 2013, 3, 1344.	1.6	396
300	&#x0022;Dual Graph&#x0022; and &#x0022;Random Chemistry&#x0022; Methods for Cascading Failure Analysis. , 2013, , .		19
301	Coupled adaptive complex networks. Physical Review E, 2013, 87, 042812.	0.8	21
302	Dynamical Interplay between Awareness and Epidemic Spreading in Multiplex Networks. Physical Review Letters, 2013, 111, 128701.	2.9	715
303	Robustness of network of networks under targeted attack. Physical Review E, 2013, 87, 052804.	0.8	167
304	Percolation in multiplex networks with overlap. Physical Review E, 2013, 88, 052811.	0.8	163
305	Simulating Stochastic Activation Functions. , 2013, , .		0
306	Finding critical regions in a network. , 2013, , .		2
307	Estimating the structure of small dynamical networks from the state time evolution of one node. Physical Review E, 2013, 87, 012915.	0.8	4
308	Interdependent Spatially Embedded Networks: Dynamics at Percolation Threshold. , 2013, , .		9
309	Anomalous biased diffusion in networks. Physical Review E, 2013, 88, 012817.	0.8	14
310	Structural robustness of scale-free networks against overload failures. Physical Review E, 2013, 88, 012803.	0.8	15
311	Percolation of interdependent networks with intersimilarity. Physical Review E, 2013, 88, 052805.	0.8	101
312	Effect of the interconnected network structure on the epidemic threshold. Physical Review E, 2013, 88, 022801.	0.8	148

#	ARTICLE	IF	CITATIONS
313	Evolution, co-evolution, and complexity: an anniversary systems journey through the Grid. Civil Engineering and Environmental Systems, 2013, 30, 249-262.	0.4	2
314	Excitable human dynamics driven by extrinsic events in massive communities. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17259-17262.	3.3	45
315	Enhancing community integrity of networks against multilevel targeted attacks. Physical Review E, 2013, 88, 022810.	0.8	33
316	Effect of coupling on the epidemic threshold in interconnected complex networks: A spectral analysis. , 2013, , .		26
317	Competition between surface relaxation and ballistic deposition models in scale-free networks. Europhysics Letters, 2013, 101, 16004.	0.7	4
318	Competing Memes Propagation on Networks: A Network Science Perspective. IEEE Journal on Selected Areas in Communications, 2013, 31, 1049-1060.	9.7	80
319	Conjoining Speeds up Information Diffusion in Overlaying Social-Physical Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 1038-1048.	9.7	129
320	IMPROVING ROBUSTNESS OF COUPLED NETWORKS AGAINST CASCADING FAILURES. International Journal of Modern Physics C, 2013, 24, 1350076.	0.8	11
321	Network theory for infrastructure systems modelling. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2013, 166, 281-292.	0.4	19
322	Threshold-limited spreading in social networks with multiple initiators. Scientific Reports, 2013, 3, 2330.	1.6	76
323	The Effect of Clustering-Based and Degree-Based Weighting on Robustness in Symmetrically Coupled Heterogeneous Interdependent Networks. , 2013, , .		2
324	Reliability Analysis of Interdependent Networks Using Percolation Theory. , 2013, , .		3
325	ORIGIN OF THE STRONGER ROBUSTNESS AGAINST CASCADING FAILURES OF COMPLEX NETWORKS: A MITIGATION STRATEGY PERSPECTIVE. Modern Physics Letters B, 2013, 27, 1350023.	1.0	4
326	Structural robustness and transport efficiency of complex networks with degree correlation. Nonlinear Theory and Its Applications IEICE, 2013, 4, 138-147.	0.4	4
327	Towards designing robust coupled networks. Scientific Reports, 2013, 3, 1969.	1.6	162
328	Interdependent networks: the fragility of control. Scientific Reports, 2013, 3, 2764.	1.6	23
330	Entangled communities and spatial synchronization lead to criticality in urban traffic. Scientific Reports, 2013, 3, 1798.	1.6	26
331	Optimal interdependence between networks for the evolution of cooperation. Scientific Reports, 2013, 3, 2470.	1.6	236

#	ARTICLE	IF	CITATIONS
332	Activities information diffusion in Chinese largest recommendation social network: Patterns and generative model. , 2013, , .		0
333	Can Google Trends search queries contribute to risk diversification?. Scientific Reports, 2013, 3, 2713.	1.6	103
334	Modeling interacting dynamic networks: I. Preferred degree networks and their characteristics. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P08001.	0.9	8
335	The Multiplex Structure of Interbank Networks. SSRN Electronic Journal, 2013, , .	0.4	18
336	Multilayer Networks. SSRN Electronic Journal, 0, , .	0.4	50
337	Interdependent Multi-Layer Networks: Modeling and Survivability Analysis with Applications to Space-Based Networks. PLoS ONE, 2013, 8, e60402.	1.1	18
338	Eyjafjallajökull and 9/11: The Impact of Large-Scale Disasters on Worldwide Mobility. PLoS ONE, 2013, 8, e69829.	1.1	22
339	Multiplex PageRank. PLoS ONE, 2013, 8, e78293.	1.1	164
340	Self-Healing Networks: Redundancy and Structure. PLoS ONE, 2014, 9, e87986.	1.1	69
341	Performance and Reliability Analysis of Water Distribution Systems under Cascading Failures and the Identification of Crucial Pipes. PLoS ONE, 2014, 9, e88445.	1.1	41
342	Epidemics in Partially Overlapped Multiplex Networks. PLoS ONE, 2014, 9, e92200.	1.1	119
343	Weighted Multiplex Networks. PLoS ONE, 2014, 9, e97857.	1.1	167
344	Limits and Trade-Offs of Topological Network Robustness. PLoS ONE, 2014, 9, e108215.	1.1	6
345	Voting Behavior, Coalitions and Government Strength through a Complex Network Analysis. PLoS ONE, 2014, 9, e116046.	1.1	27
346	Information Filtering via Biased Random Walk on Coupled Social Network. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	4
347	Aluminum-Induced Entropy in Biological Systems: Implications for Neurological Disease. Journal of Toxicology, 2014, 2014, 1-27.	1.4	37
348	Investigating the structure of semantic networks in low and high creative persons. Frontiers in Human Neuroscience, 2014, 8, 407.	1.0	214
349	Border sensitive centrality in global patent citation networks. Journal of Complex Networks, 2014, 2, 518-536.	1.1	8

#	ARTICLE	IF	CITATIONS
350	Modeling interacting dynamic networks: II. Systematic study of the statistical properties of cross-links between two networks with preferred degrees. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P05021.	0.9	7
351	Predicting and mitigating socio-economic impacts of extreme space weather: benefits of improved forecasts. , 2014, , 113-125.		6
352	Iterative resource allocation for ranking spreaders in complex networks. Europhysics Letters, 2014, 106, 48005.	0.7	71
353	Multi-state voter model on weighted social networks with committed agents. International Journal of Modern Physics C, 2014, 25, 1450022.	0.8	2
354	Correlations between weights and overlap in ensembles of weighted multiplex networks. Physical Review E, 2014, 90, 062817.	0.8	27
355	The structural comparison of central counterparty interoperability. International Journal of Modern Physics C, 2014, 25, 1450049.	0.8	0
356	Multilayer networks. Journal of Complex Networks, 2014, 2, 203-271.	1.1	2,388
357	Modeling the Interaction of Power Line and SCADA Networks. , 2014, , .		6
358	Identification of K most vulnerable nodes in multi-layered network using a new model of interdependency. , 2014, , .		44
359	Cascade of failures in interdependent networks with different average degree. International Journal of Modern Physics C, 2014, 25, 1440006.	0.8	16
360	Percolation in the classical blockmodel. European Physical Journal B, 2014, 87, 1.	0.6	1
361	Characteristics of phase transitions via intervention in random networks. Chinese Physics B, 2014, 23, 076401.	0.7	3
362	Cascading failures on networks with asymmetric dependence. Europhysics Letters, 2014, 108, 56002.	0.7	22
363	Modeling of self-healing against cascading overload failures in complex networks. Europhysics Letters, 2014, 107, 68003.	0.7	32
364	Percolation on networks with dependence links. Chinese Physics B, 2014, 23, 076402.	0.7	8
365	Optimization of robustness of network controllability against malicious attacks. Chinese Physics B, 2014, 23, 118902.	0.7	24
366	Multiple hybrid phase transition: Bootstrap percolation on complex networks with communities. Europhysics Letters, 2014, 107, 48001.	0.7	16
367	Recent advances and open challenges in percolation. European Physical Journal: Special Topics, 2014, 223, 2307-2321.	1.2	107

#	ARTICLE	IF	CITATIONS
368	Threshold cascades with response heterogeneity in multiplex networks. <i>Physical Review E</i> , 2014, 90, 062816.	0.8	91
369	Node influence identification via resource allocation dynamics. <i>International Journal of Modern Physics C</i> , 2014, 25, 1450065.	0.8	5
370	Cascading Failure Model of Interdependent Power Networks Based on Load Redistribution. <i>Applied Mechanics and Materials</i> , 0, 602-605, 2995-3000.	0.2	1
371	Application Credibility Theory in the Smart Grid Information Network Security Assessment. <i>Advanced Materials Research</i> , 2014, 960-961, 841-844.	0.3	0
372	On early detection of strong infections in complex networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 065101.	0.7	4
373	Inflicting cascade of failures in interdependent networks. , 2014, , .		0
374	Cooperation percolation in spatial prisoner's dilemma game. <i>New Journal of Physics</i> , 2014, 16, 013010.	1.2	32
375	A triple point induced by targeted autonomization on interdependent scale-free networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 055002.	0.7	33
376	Generalized Mutual Synchronization between Two Controlled Interdependent Networks. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-11.	0.3	4
377	Network of Interdependent Networks: Overview of Theory and Applications. <i>Understanding Complex Systems</i> , 2014, , 3-36.	0.3	33
378	Avalanches in Multiplex and Interdependent Networks. <i>Understanding Complex Systems</i> , 2014, , 37-52.	0.3	8
379	Multiplex Networks. <i>Understanding Complex Systems</i> , 2014, , 53-72.	0.3	27
380	Network Physiology: Mapping Interactions Between Networks of Physiologic Networks. <i>Understanding Complex Systems</i> , 2014, , 203-222.	0.3	78
381	Modeling Interdependent Networks as Random Graphs: Connectivity and Systemic Risk. <i>Understanding Complex Systems</i> , 2014, , 73-94.	0.3	7
382	Weighted betweenness and algebraic connectivity. <i>Journal of Complex Networks</i> , 2014, 2, 272-287.	1.1	10
383	THE MANY FACES OF PERCOLATION. , 2014, , .		0
384	Mitigating cascading failures in interdependent power grids and communication networks. , 2014, , .		77
385	An analytical approach to study cascading failures in finite-size random geometric networks. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
386	Measuring cascade effects in coupled networks using algebraic connectivity. , 2014, , .		0
387	Modeling Topic Diffusion in Multi-Relational Bibliographic Information Networks. , 2014, , .		22
388	Cascading failures in power grids. , 2014, , .		36
389	Towards an Understanding of the Relation between Topological Characteristics and Dynamic Behavior in Manufacturing Networks. Procedia CIRP, 2014, 19, 21-26.	1.0	11
390	The vulnerability of the military SoS networks under different attack and defense strategies. , 2014, , .		0
391	Growing Self-Organized Design of Efficient and Robust Complex Networks. , 2014, , .		5
392	Dynamics on modular networks with heterogeneous correlations. Chaos, 2014, 24, 023106.	1.0	30
393	Self-organization towards optimally interdependent networks by means of coevolution. New Journal of Physics, 2014, 16, 033041.	1.2	187
394	Message-passing approach for threshold models of behavior in networks. Physical Review E, 2014, 89, 022805.	0.8	37
395	Diversity of multilayer networks and its impact on collaborating epidemics. Physical Review E, 2014, 90, 062803.	0.8	13
396	Traffic congestion in interconnected complex networks. Physical Review E, 2014, 89, 062813.	0.8	90
397	Structural vulnerability assessment of electric power grids. , 2014, , .		23
398	Method for estimating critical exponents in percolation processes with low sampling. Physical Review E, 2014, 90, 062101.	0.8	9
399	Cascading failures of social networks under attacks. , 2014, , .		3
400	Impact of Road Conditions and Disruption Uncertainties on Network Vulnerability. Journal of Infrastructure Systems, 2014, 20, 04014015.	1.0	49
401	Microtransition Cascades to Percolation. Physical Review Letters, 2014, 112, 155701.	2.9	45
402	Conditions for Viral Influence Spreading through Multiplex Correlated Social Networks. Physical Review X, 2014, 4, .	2.8	38
403	Epidemic spread on interconnected metapopulation networks. Physical Review E, 2014, 90, 032806.	0.8	22

#	ARTICLE	IF	CITATIONS
404	Vulnerability of networks: Fractional percolation on random graphs. Physical Review E, 2014, 89, 012813.	0.8	42
405	Relationships between Interdependency, Reliability, and Vulnerability of Infrastructure Systems: Case Study of Biofuel Infrastructure Development. Journal of Infrastructure Systems, 2014, 20, 04013008.	1.0	6
406	Cascading failures in networks with proximate dependent nodes. Physical Review E, 2014, 89, 032808.	0.8	29
407	Multiple resource demands and viability in multiplex networks. Physical Review E, 2014, 89, 040802.	0.8	37
408	$\langle mml:math \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:mrow \rangle \langle mml:mi \rangle k \langle /mml:mi \rangle \langle mml:mtext \rangle \hat{a} \langle /mml:mtext \rangle \langle mml:mi \rangle \text{core} \langle /mml:mi \rangle$ on multiplex networks. Physical Review E, 2014, 90, 032816.	0.8	19
409	A Mathematical Framework to Assess Vulnerabilities in Codependent Infrastructure and Natural System Networks. , 2014, , .		0
410	Percolation on fitness-dependent networks with heterogeneous resilience. Physical Review E, 2014, 90, 012815.	0.8	6
411	Epidemic spreading and risk perception in multiplex networks: A self-organized percolation method. Physical Review E, 2014, 90, 052817.	0.8	76
412	Degree mixing in multilayer networks impedes the evolution of cooperation. Physical Review E, 2014, 89, 052813.	0.8	209
413	Giant components in directed multiplex networks. Physical Review E, 2014, 90, 052809.	0.8	9
414	Driving Interconnected Networks to Supercriticality. Physical Review X, 2014, 4, .	2.8	32
415	Double Percolation Phase Transition in Clustered Complex Networks. Physical Review X, 2014, 4, .	2.8	52
416	Usage leading to an abrupt collapse of connectivity. Physical Review E, 2014, 90, 042148.	0.8	2
417	Nonlinear growth and condensation in multiplex networks. Physical Review E, 2014, 90, 042807.	0.8	38
418	Aging in complex interdependency networks. Physical Review E, 2014, 89, 022811.	0.8	34
419	Power grid vulnerability to geographically correlated failures &#x2014; Analysis and control implications. , 2014, , .		103
420	Can a minimal replicating construct be identified as the embodiment of cancer?. BioEssays, 2014, 36, 503-512.	1.2	18
421	Robust design of polyrhythmic neural circuits. Physical Review E, 2014, 90, 022715.	0.8	22



#	ARTICLE	IF	CITATIONS
422	Emergence of overlap in ensembles of spatial multiplexes and statistical mechanics of spatial interacting network ensembles. <i>Physical Review E</i> , 2014, 89, 012806.	0.8	64
423	Multiple percolation transitions in a configuration model of a network of networks. <i>Physical Review E</i> , 2014, 89, 062814.	0.8	114
424	Robustness of a partially interdependent network formed of clustered networks. <i>Physical Review E</i> , 2014, 89, 032812.	0.8	71
425	Simultaneous first- and second-order percolation transitions in interdependent networks. <i>Physical Review E</i> , 2014, 90, 012803.	0.8	89
426	Robustness of a network formed of spatially embedded networks. <i>Physical Review E</i> , 2014, 90, 012809.	0.8	47
427	Local Information Promotes Cooperation in Duplex Public Goods Games with Limited Resources. , 2014, , .		0
428	Network robustness of multiplex networks with interlayer degree correlations. <i>Physical Review E</i> , 2014, 89, 042811.	0.8	202
429	Nonlinear Phenomena in Complex Systems: From Nano to Macro Scale. NATO Science for Peace and Security Series C: Environmental Security, 2014, , .	0.1	0
430	Unveiling robustness and heterogeneity through percolation triggered by random-link breakdown. <i>Physical Review E</i> , 2014, 90, 032820.	0.8	25
431	Network risk and forecasting power in phase-flipping dynamical networks. <i>Physical Review E</i> , 2014, 89, 042807.	0.8	23
432	Understanding Social Networks From a Multiagent Perspective. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2014, 25, 2743-2759.	4.0	79
433	From a single network to a network of networks. <i>National Science Review</i> , 2014, 1, 346-356.	4.6	129
434	Optimization of network resilience under attacks based on Simulated Annealing. , 2014, , .		0
435	Root Cause Analysis of Failures in Interdependent Power-Communication Networks. , 2014, , .		25
436	On Modelling Social Propagation Phenomenon. <i>Lecture Notes in Computer Science</i> , 2014, , 227-236.	1.0	9
437	Evolutionary dynamics of cooperation on interdependent networks with the Prisoner's Dilemma and Snowdrift Game. <i>Europhysics Letters</i> , 2014, 107, 58006.	0.7	41
438	Exact controllability of multiplex networks. <i>New Journal of Physics</i> , 2014, 16, 103036.	1.2	63
439	Information dynamic spectrum characterizes system instability toward critical transitions. <i>EPJ Data Science</i> , 2014, 3, .	1.5	4

#	ARTICLE	IF	CITATIONS
440	A random growth model for power grids and other spatially embedded infrastructure networks. European Physical Journal: Special Topics, 2014, 223, 2593-2610.	1.2	66
441	Social bootstrapping. , 2014, , .		30
442	Anomalous Shattered Fragmentation Transition in the Coevolving Multiplex. , 2014, , .		0
443	Study of the Use of a Genetic Algorithm to Improve Networked System-of-Systems Resilience. Procedia Computer Science, 2014, 36, 49-56.	1.2	8
444	Identifying influential spreaders in interconnected networks. Physica Scripta, 2014, 89, 015203.	1.2	30
445	Epidemics on interconnected lattices. Europhysics Letters, 2014, 105, 68004.	0.7	29
446	Discrete-time distributed consensus on multiplex networks. New Journal of Physics, 2014, 16, 113063.	1.2	10
447	Review on modeling and simulation of interdependent critical infrastructure systems. Reliability Engineering and System Safety, 2014, 121, 43-60.	5.1	820
448	Minimum vertex cover problem for coupled interdependent networks with cascading failures. European Journal of Operational Research, 2014, 232, 499-511.	3.5	29
449	Epidemic spreading on weighted complex networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 635-640.	0.9	61
450	Rewarding evolutionary fitness with links between populations promotes cooperation. Journal of Theoretical Biology, 2014, 349, 50-56.	0.8	203
451	The power of games. Physics of Life Reviews, 2014, 11, 589-590.	1.5	6
452	Threshold analysis of the susceptible-infected-susceptible model on overlay networks. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 2435-2443.	1.7	11
453	Spatial Science and Network Science: Review and Outcomes of a Complex Relationship. Networks and Spatial Economics, 2014, 14, 297-316.	0.7	148
454	Migratory Animals Couple Biodiversity and Ecosystem Functioning Worldwide. Science, 2014, 344, 1242552.	6.0	586
455	Intelligent Information and Database Systems. Lecture Notes in Computer Science, 2014, , .	1.0	0
456	Markov-binary visibility graph: A new method for analyzing complex systems. Information Sciences, 2014, 274, 286-302.	4.0	13
457	Using network theory to explore the complexity of subway construction accident network (SCAN) for promoting safety management. Safety Science, 2014, 64, 127-136.	2.6	89

#	ARTICLE	IF	CITATIONS
458	Weak percolation on multiplex networks. Physical Review E, 2014, 89, 042801.	0.8	53
459	Topological properties of robust biological and computational networks. Journal of the Royal Society Interface, 2014, 11, 20140283.	1.5	26
460	Correlated loss of ecosystem services in coupled mutualistic networks. Nature Communications, 2014, 5, 3810.	5.8	56
461	Chaotic synchronization on complex hypergraphs. Chaos, Solitons and Fractals, 2014, 65, 44-50.	2.5	19
463	Navigability of interconnected networks under random failures. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8351-8356.	3.3	350
464	The impact of the topology on cascading failures in a power grid model. Physica A: Statistical Mechanics and Its Applications, 2014, 402, 169-179.	1.2	80
465	Explosive percolation: Unusual transitions of a simple model. Physica A: Statistical Mechanics and Its Applications, 2014, 407, 54-65.	1.2	29
466	Directed clustering coefficient as a measure of systemic risk in complex banking networks. Physica A: Statistical Mechanics and Its Applications, 2014, 394, 211-216.	1.2	74
467	The rumor diffusion process with emerging independent spreaders in complex networks. Physica A: Statistical Mechanics and Its Applications, 2014, 397, 121-128.	1.2	45
468	Networks of Networks: The Last Frontier of Complexity. Understanding Complex Systems, 2014, , .	0.3	134
469	Spontaneous recovery in dynamical networks. Nature Physics, 2014, 10, 34-38.	6.5	251
470	Application of switched system theory in power system stability. , 2014, , .		14
471	A mesoscopic approach to modeling and simulation of systemic risks. , 2014, , .		3
472	Resting-brain functional connectivity predicted by analytic measures of network communication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 833-838.	3.3	530
473	Crossover behavior of conductivity in a discontinuous percolation model. Physical Review E, 2014, 89, 032113.	0.8	2
474	Emergence of chaos in interacting communities. Europhysics Letters, 2014, 108, 20009.	0.7	1
475	Framework design for reliability engineering of complex systems. , 2014, , .		1
476	Topological interactive analysis of power system and its communication module: A complex network approach. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 99-111.	1.2	24

#	ARTICLE	IF	CITATIONS
477	Modelling effective Product Development systems as Network-of-Networks. , 2014, , .		1
478	Revealing effective classifiers through network comparison. Europhysics Letters, 2014, 108, 38001.	0.7	8
479	Vulnerability of network of networks. European Physical Journal: Special Topics, 2014, 223, 2087-2106.	1.2	39
480	A dynamic marker of very short-term heartbeat under pathological states via network analysis. Europhysics Letters, 2014, 107, 58001.	0.7	12
481	Enhancing resilience of interdependent networks by healing. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 481-487.	1.2	39
482	Probing Uncertainty, Complexity, and Human Agency in Intelligence. Intelligence and National Security, 2014, 29, 639-653.	0.3	11
483	Assessment of Urban Ecosystem Resilience through Hybrid Socialâ€“Physical Complex Networks. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 608-625.	6.3	76
484	An approach for modeling vulnerability of the network of networks. Physica A: Statistical Mechanics and Its Applications, 2014, 412, 127-136.	1.2	31
485	Robustness of interdependent and interconnected clustered networks. Physica A: Statistical Mechanics and Its Applications, 2014, 412, 120-126.	1.2	13
486	A universal transition in the robustness of evolving open systems. Scientific Reports, 2014, 4, 4082.	1.6	17
487	Analyzing Cascading Failures in Smart Grids under Random and Targeted Attacks. , 2014, , .		40
488	Cascading effects in interdependent networks. IEEE Network, 2014, 28, 82-87.	4.9	42
489	The structure and dynamics of multilayer networks. Physics Reports, 2014, 544, 1-122.	10.3	2,469
490	Interdependent networks: vulnerability analysis and strategies to limit cascading failure. European Physical Journal B, 2014, 87, 1.	0.6	50
491	Multiplex networks of cortical and hippocampal neurons revealed at different timescales. BMC Neuroscience, 2014, 15, .	0.8	20
492	Avoiding catastrophic failure in correlated networks of networks. Nature Physics, 2014, 10, 762-767.	6.5	219
493	Benefits of memory for the evolution of tag-based cooperation in structured populations. Behavioral Ecology and Sociobiology, 2014, 68, 1059-1072.	0.6	27
494	The quantification of low-probabilityâ€“high-consequences events: part I. A generic multi-risk approach. Natural Hazards, 2014, 73, 1999-2022.	1.6	66

#	ARTICLE	IF	CITATIONS
495	Cavity-based robustness analysis of interdependent networks: Influences of intranetwork and internetwork degree-degree correlations. <i>Physical Review E</i> , 2014, 89, 012808.	0.8	43
496	Reliability Modeling and Analysis of Smart Power Systems. , 2014, , .		12
497	Algebraic connectivity of interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 404, 92-105.	1.2	52
498	An Introduction to Interdependent Networks. <i>Communications in Computer and Information Science</i> , 2014, , 189-202.	0.4	29
499	Robust, Secure, and Cost-Effective Design for Cyber-Physical Systems. <i>IEEE Intelligent Systems</i> , 2014, 29, 66-69.	4.0	21
500	Competing spreading processes on multiplex networks: Awareness and epidemics. <i>Physical Review E</i> , 2014, 90, 012808.	0.8	280
501	Real and virtual relationships in tourism digital ecosystems. <i>Information Technology and Tourism</i> , 2014, 14, 3-19.	3.4	79
502	Robustness in clustering-based weighted inter-connected networks. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	3
503	Absorbing and shattered fragmentation transitions in multilayer coevolution. <i>Physical Review E</i> , 2014, 89, 062818.	0.8	51
504	Mesoscale molecular network formation in amorphous organic materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10055-10060.	3.3	79
505	Minimizing the Risk From Disaster Failures in Optical Backbone Networks. <i>Journal of Lightwave Technology</i> , 2014, 32, 3175-3183.	2.7	118
506	Traffic dynamics on coupled spatial networks. <i>Chaos, Solitons and Fractals</i> , 2014, 68, 72-77.	2.5	41
507	Critical thresholds for scale-free networks against cascading failures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 416, 252-258.	1.2	19
508	A topological investigation of phase transitions of cascading failures in power grids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 415, 273-284.	1.2	30
509	Synchronization of Interconnected Networks: The Role of Connector Nodes. <i>Physical Review Letters</i> , 2014, 112, 248701.	2.9	135
510	Network connectivity: Stochastic vs. deterministic wireless channels. , 2014, , .		9
511	Dangerous liaisons?. <i>Nature Physics</i> , 2014, 10, 712-714.	6.5	34
512	Structural measures for multiplex networks. <i>Physical Review E</i> , 2014, 89, 032804.	0.8	517

#	ARTICLE	IF	CITATIONS
513	Robustness of Internet under targeted attack: A cascading failure perspective. Journal of Network and Computer Applications, 2014, 40, 97-104.	5.8	24
514	Robustness of interdependent networks with different link patterns against cascading failures. Physica A: Statistical Mechanics and Its Applications, 2014, 393, 535-541.	1.2	94
515	Insights for managers from modeling species interactions across multiple scales in an idealized landscape. Environmental Modelling and Software, 2014, 54, 53-59.	1.9	11
516	Directionality of real world networks as predicted by path length in directed and undirected graphs. Physica A: Statistical Mechanics and Its Applications, 2014, 401, 118-129.	1.2	9
517	Damage attack on complex networks. Physica A: Statistical Mechanics and Its Applications, 2014, 408, 134-148.	1.2	30
518	Analysis of percolation behaviors of clustered networks with partial support dependence relations. Physica A: Statistical Mechanics and Its Applications, 2014, 394, 370-378.	1.2	25
519	Delay-induced synchronization transitions in modular scale-free neuronal networks with hybrid electrical and chemical synapses. Physica A: Statistical Mechanics and Its Applications, 2014, 405, 25-34.	1.2	14
520	Rethinking the governance of energy infrastructure: Scale, decentralization and polycentrism. Energy Research and Social Science, 2014, 1, 134-140.	3.0	349
521	How dead ends undermine power grid stability. Nature Communications, 2014, 5, 3969.	5.8	318
522	Overlapping-box-covering method for the fractal dimension of complex networks. Physical Review E, 2014, 89, 042809.	0.8	27
523	Statistical Properties and Classification of N-2 Contingencies in Large Scale Power Grids. , 2014, , .		10
524	Attack robustness of cascading model with node weight. Nonlinear Dynamics, 2014, 78, 37-48.	2.7	25
525	Efficient routing on two layer degree-coupled networks. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 421-427.	1.2	19
526	The effect of interdependence on the percolation of interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 573-581.	1.2	11
527	Navigation in spatial networks: A survey. Physica A: Statistical Mechanics and Its Applications, 2014, 393, 132-154.	1.2	20
528	Evidence for ecological learning and domain specificity in rational asset pricing and market efficiency. Journal of Socio-Economics, 2014, 48, 27-39.	1.0	5
530	Variation of critical point of aging transition in a networked oscillators system. Chaos, 2014, 24, 023122.	1.0	20
531	Percolation and cascade dynamics of spatial networks with partial dependency. Journal of Complex Networks, 2014, 2, 460-474.	1.1	34

#	ARTICLE	IF	CITATIONS
532	Secure Interdependent Networks for Peer-to-Peer and Online Social Network. , 2014, , .		0
533	Smart Grid Vulnerability under Cascade-Based Sequential Line-Switching Attacks. , 2014, , .		2
534	Early Anomaly Detection in an Interconnected Power Grid and Communication Network: Exploiting Interdependent Structure of Failures. , 2014, , .		1
535	Towards Optimal Link Patterns for Robustness of Interdependent Networks against Cascading Failures. , 2014, , .		0
536	A Study of the Effect of Basic Network Characteristics on System-of-System Failure Propagation. Procedia Computer Science, 2014, 36, 345-352.	1.2	2
537	Design of robust dependent networks against flow-based cascading failures. , 2014, , .		0
538	An analytic model of military system-of-systems based on network-of-networks theory. , 2014, , .		1
539	Cloud-Network Disaster Recovery against Cascading Failures. , 2014, , .		0
540	Robustness and modular structure in networks. Network Science, 2015, 3, 509-525.	0.8	18
541	On performance and robustness of internet-based smart grid communication: A case study for Germany. , 2015, , .		4
542	Measuring Cascading Failures for Smart Grids Vulnerability Assessment. , 2015, , .		1
543	On the Connectivity of Multi-layered Networks: Models, Measures and Optimal Control. , 2015, , .		20
544	Cloud-Network Disaster Recovery against Cascading Failures. , 2015, , .		1
545	A Conceptual Framework for Modeling Critical Infrastructure Interdependency: Using a Multilayer Directed Network Model and Targeted Attack-Based Resilience Analysis. , 2015, , .		2
546	Temporal motifs reveal collaboration patterns in online task-oriented networks. Physical Review E, 2015, 91, 052813.	0.8	38
547	Robustness of power systems under a democratic-fiber-bundle-like model. Physical Review E, 2015, 91, 062811.	0.8	27
548	Cascades in multiplex financial networks with debts of different seniority. Physical Review E, 2015, 91, 062813.	0.8	46
549	Reaction-diffusion processes on interconnected scale-free networks. Physical Review E, 2015, 92, 020801.	0.8	3

#	ARTICLE	IF	CITATIONS
550	Ashkin-Teller model and diverse opinion phase transitions on multiplex networks. <i>Physical Review E</i> , 2015, 92, 022110.	0.8	20
551	Suppressed epidemics in multirelational networks. <i>Physical Review E</i> , 2015, 92, 022812.	0.8	13
552	How breadth of degree distribution influences network robustness: Comparing localized and random attacks. <i>Physical Review E</i> , 2015, 92, 032122.	0.8	62
553	Exact coupling threshold for structural transition reveals diversified behaviors in interconnected networks. <i>Physical Review E</i> , 2015, 92, 040801.	0.8	29
554	Clique percolation in random graphs. <i>Physical Review E</i> , 2015, 92, 042116.	0.8	10
555	Inferring the mesoscale structure of layered, edge-valued, and time-varying networks. <i>Physical Review E</i> , 2015, 92, 042807.	0.8	100
556	How multiple social networks affect user awareness: The information diffusion process in multiplex networks. <i>Physical Review E</i> , 2015, 92, 042810.	0.8	34
557	Binary dynamics on star networks under external perturbations. <i>Physical Review E</i> , 2015, 92, 042812.	0.8	6
558	General and exact approach to percolation on random graphs. <i>Physical Review E</i> , 2015, 92, 062807.	0.8	21
559	Model Selection and Hypothesis Testing for Large-Scale Network Models with Overlapping Groups. <i>Physical Review X</i> , 2015, 5, .	2.8	52
560	Enhancing network robustness against targeted and random attacks using a memetic algorithm. <i>Europhysics Letters</i> , 2015, 111, 38005.	0.7	22
561	Synchronization in interacting scale-free networks. <i>Europhysics Letters</i> , 2015, 111, 46001.	0.7	3
562	Percolation transitions in the survival of interdependent agents on multiplex networks, catastrophic cascades, and solid-on-solid surface growth. <i>Physical Review E</i> , 2015, 91, 062806.	0.8	21
563	From epidemics to information propagation: Striking differences in structurally similar adaptive network models. <i>Physical Review E</i> , 2015, 92, 030801.	0.8	15
564	Critical tipping point distinguishing two types of transitions in modular network structures. <i>Physical Review E</i> , 2015, 92, 062805.	0.8	43
565	Control of coupled oscillator networks with application to microgrid technologies. <i>Science Advances</i> , 2015, 1, e1500339.	4.7	82
566	Deffuant model of opinion formation in one-dimensional multiplex networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 395101.	0.7	43
567	Predicting the Lifetime of Dynamic Networks Experiencing Persistent Random Attacks. <i>Scientific Reports</i> , 2015, 5, 14286.	1.6	17



#	ARTICLE	IF	CITATIONS
568	Reconstructing propagation networks with temporal similarity. Scientific Reports, 2015, 5, 11404.	1.6	15
569	Integrated travel network model for studying epidemics: Interplay between journeys and epidemic. Scientific Reports, 2015, 5, 11401.	1.6	26
570	Two Types of Discontinuous Percolation Transitions in Cluster Merging Processes. Scientific Reports, 2015, 5, 11905.	1.6	15
571	Numerical evaluation of communication networks resilience with a focus on power supply performance during natural disasters. , 2015, , .		13
572	The reconstruction of complex networks with community structure. Scientific Reports, 2015, 5, 17287.	1.6	5
573	Extreme events in multilayer, interdependent complex networks and control. Scientific Reports, 2015, 5, 17277.	1.6	30
574	Unified functional network and nonlinear time series analysis for complex systems science: The<tt>pyunicorn</tt>package. Chaos, 2015, 25, 113101.	1.0	84
575	Epidemic Model with Isolation in Multilayer Networks. Scientific Reports, 2015, 5, 12151.	1.6	56
577	Quantifying dynamical spillover in co-evolving multiplex networks. Scientific Reports, 2015, 5, 15142.	1.6	17
578	Rumor spreading in interdependent social networks. , 2015, , .		0
579	Improving Network Structure can lead to Functional Failures. Scientific Reports, 2015, 5, 9968.	1.6	15
580	Failure dynamics of the global risk network. Scientific Reports, 2015, 5, 10998.	1.6	17
581	Ability paradox of cascading model based on betweenness. Scientific Reports, 2015, 5, 13939.	1.6	19
582	Multiple effect of social influence on cooperation in interdependent network games. Scientific Reports, 2015, 5, 14657.	1.6	21
583	Modelling interdependencies over incomplete join structures of power law networks. , 2015, , .		1
584	Towards Optimal Link Patterns for Robustness of Interdependent Networks against Cascading Failures. , 2015, , .		6
585	Early Anomaly Detection in an Interconnected Power Grid and Communication Network: Exploiting Interdependent Structure of Failures. , 2015, , .		6
586	Modeling the impact of communication loss on the power grid under emergency control. , 2015, , .		16

#	ARTICLE	IF	CITATIONS
587	How resilient is the United States's food system to pandemics?. Journal of Environmental Studies and Sciences, 2015, 5, 337-347.	0.9	65
588	Improving measures of topological robustness in networks of networks and suggestion of a novel way to counter both failure propagation and isolation. Infrastructure Complexity, 2015, 2, .	1.7	9
589	Secure Interdependent Networks for Peer-to-Peer and Online Social Network. , 2015, , .		1
590	Smart Grid Vulnerability under Cascade-Based Sequential Line-Switching Attacks. , 2015, , .		14
591	Recent Progress in Some Active Topics on Complex Networks. Journal of Physics: Conference Series, 2015, 604, 012007.	0.3	2
592	The cross space transmission of cyber risks in electric cyber-physical systems. , 2015, , .		0
593	On the Entity Hardening Problem in multi-layered interdependent networks. , 2015, , .		7
594	Interdependencies modeling for the purpose of critical infrastructures protection. , 2015, , .		1
595	Structural and robustness properties of smart-city transportation networks. Chinese Physics B, 2015, 24, 090201.	0.7	2
596	Resilience of networks formed of interdependent modular networks. New Journal of Physics, 2015, 17, 123007.	1.2	51
597	Cascade failures and distributed generation in power grids. International Journal of Critical Infrastructures, 2015, 11, 27.	0.1	18
598	Generating function technique in complex networks. Journal of Physics: Conference Series, 2015, 604, 012013.	0.3	2
599	Designing Resilient Systems of Systems: A Survey of Metrics, Methods, and Challenges. Systems Engineering, 2015, 18, 491-510.	1.6	123
600	Resiliency of cortical neural networks against cascaded failures. NeuroReport, 2015, 26, 718-722.	0.6	3
601	Knowing power grids and understanding complexity science. International Journal of Critical Infrastructures, 2015, 11, 4.	0.1	20
602	Epidemic spreading and risk perception in multiplex networks: a self-organized percolation method. ESAIM Proceedings and Surveys, 2015, 49, 53-64.	0.5	0
603	Multiplex Interbank Networks and Systemic Importance: An Application to European Data. SSRN Electronic Journal, 2015, , .	0.4	9
604	Resilience analysis of interconnected systems by a set-theoretic approach. , 0, , .		1

#	ARTICLE	IF	CITATIONS
605	The Automation of Society is Next: How to Survive the Digital Revolution. SSRN Electronic Journal, 0, , .	0.4	31
606	Synchronous failure: the emerging causal architecture of global crisis. Ecology and Society, 2015, 20, .	1.0	144
607	From Neural and Social Cooperation to the Global Emergence of Cognition. Frontiers in Bioengineering and Biotechnology, 2015, 3, 78.	2.0	13
608	Recent Progress on the Resilience of Complex Networks. Energies, 2015, 8, 12187-12210.	1.6	82
609	Value of Lost Load: An Efficient Economic Indicator for Power Supply Security? A Literature Review. Frontiers in Energy Research, 2015, 3, .	1.2	82
610	Criticality as a Set-Point for Adaptive Behavior in Neuromorphic Hardware. Frontiers in Neuroscience, 2015, 9, 449.	1.4	10
611	Cascading-Failure-Resilient Interconnection for Interdependent Power Grid - Optical Networks. , 2015, , .		18
612	Networks in Coronary Heart Disease Genetics As a Step towards Systems Epidemiology. PLoS ONE, 2015, 10, e0125876.	1.1	15
613	Percolation on Networks with Conditional Dependence Group. PLoS ONE, 2015, 10, e0126674.	1.1	10
614	Radiation Induced Chromatin Conformation Changes Analysed by Fluorescent Localization Microscopy, Statistical Physics, and Graph Theory. PLoS ONE, 2015, 10, e0128555.	1.1	42
615	Heterogeneous Coupling between Interdependent Lattices Promotes the Cooperation in the Prisonerâ€™s Dilemma Game. PLoS ONE, 2015, 10, e0129542.	1.1	97
616	Empirical Studies on the Network of Social Groups: The Case of Tencent QQ. PLoS ONE, 2015, 10, e0130538.	1.1	21
617	Effects of Edge Directions on the Structural Controllability of Complex Networks. PLoS ONE, 2015, 10, e0135282.	1.1	12
618	Abnormal Behavior in Cascading Dynamics with Node Weight. PLoS ONE, 2015, 10, e0139941.	1.1	3
619	Network Science Based Quantification of Resilience Demonstrated on the Indian Railways Network. PLoS ONE, 2015, 10, e0141890.	1.1	68
620	A Novel Top-k Strategy for Influence Maximization in Complex Networks with Community Structure. PLoS ONE, 2015, 10, e0145283.	1.1	36
621	Quantifying the Role of Homophily in Human Cooperation Using Multiplex Evolutionary Game Theory. PLoS ONE, 2015, 10, e0140646.	1.1	29
622	Improvement on Load-Induced Cascading Failure in Asymmetrical Interdependent Networks: Modeling and Analysis. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	3

#	ARTICLE	IF	CITATIONS
623	Risk and Resilience Analysis of Complex Network Systems Considering Cascading Failure and Recovery Strategy Based on Coupled Map Lattices. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-8.	0.6	6
624	Cascading Failures in Weighted Complex Networks of Transit Systems Based on Coupled Map Lattices. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-16.	0.6	17
625	Robustness of Interrelated Traffic Networks to Cascading Failures. <i>Scientific Reports</i> , 2014, 4, 5413.	1.6	62
626	Enhancing robustness of coupled networks under targeted recoveries. <i>Scientific Reports</i> , 2015, 5, 8439.	1.6	62
627	Introducing system interdependency into infrastructure appraisal: from projects to portfolios to pathways. <i>Infrastructure Complexity</i> , 2015, 2, .	1.7	48
628	Evolutionary games on multilayer networks: a colloquium. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	604
629	Constructing minimal models for complex system dynamics. <i>Nature Communications</i> , 2015, 6, 7186.	5.8	69
630	Load-induced cascading failures in interconnected networks. <i>Nonlinear Dynamics</i> , 2015, 82, 97-105.	2.7	16
631	Interdependent resistor networks with process-based dependency. <i>New Journal of Physics</i> , 2015, 17, 043046.	1.2	16
632	Robust-yet-fragile nature of interdependent networks. <i>Physical Review E</i> , 2015, 91, 052809.	0.8	45
633	Vulnerability analysis of complementary transportation systems with applications to railway and airline systems in China. <i>Reliability Engineering and System Safety</i> , 2015, 142, 248-257.	5.1	68
634	Spatial correlation analysis of cascading failures: Congestions and Blackouts. <i>Scientific Reports</i> , 2014, 4, 5381.	1.6	102
635	A Survey of Research on Data Corruption in Cyber-Physical Critical Infrastructure Systems. <i>Advances in Computers</i> , 2015, 98, 59-87.	1.2	3
636	Discovering missing edges across social networks. <i>Information Sciences</i> , 2015, 319, 18-37.	4.0	37
637	Joint Cyber and Physical Attacks on Power Grids. , 2015, , .		21
638	Effect of network size on robustness of interconnected networks under targeted attack. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 435, 80-88.	1.2	31
639	Modeling and simulation of the collective efficacy of distributed organizations: toward an interdependent network. <i>Simulation</i> , 2015, 91, 479-500.	1.1	2
640	A New Methods for Cascading Failures Analysis in Inter-domain Routing System. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
641	On the smallest pseudo target set identification problem for targeted attack on interdependent power-communication networks. , 2015, , .		7
642	Application of fuzzy sets in decision analysis for prioritising critical energy infrastructures. International Journal of Decision Sciences, Risk and Management, 2015, 6, 1.	0.1	8
643	Decision support for disaster management through hybrid optimization. Constraints, 2015, 20, 490-491.	0.4	0
644	Shortest paths in networks with correlated link weights. , 2015, , .		2
645	Cascading failure propagation in interconnected networks with tunable load redistribution strategy. , 2015, , .		3
646	A small world model for improving robustness of heterogeneous networks. , 2015, , .		8
647	Catastrophic event phenomena in communication networks: A survey. Computer Science Review, 2015, 18, 10-45.	10.2	23
648	Cascading failures in smart grid: Joint effect of load propagation and interdependence. IEEE Access, 2015, 3, 2520-2530.	2.6	79
649	The cost of attack in competing networks. Journal of the Royal Society Interface, 2015, 12, 20150770.	1.5	39
650	Measuring cascade effects in interdependent networks by using effective graph resistance. , 2015, , .		5
651	Interdisciplinary and physics challenges of network theory. Europhysics Letters, 2015, 111, 56001.	0.7	99
652	Early Signs of Financial Market Moves Reflected by Google Searches. , 2015, , 85-97.		3
653	The domino effect in complex systems: An interdisciplinary view. , 2015, , .		1
654	Multiplex networks. , 2015, , .		16
655	Critical Dynamics of the $\langle k \rangle$ -Core Pruning Process. Physical Review X, 2015, 5, .	2.8	31
656	Enhancing the Utility of Community Detection Research. Procedia Manufacturing, 2015, 3, 4098-4105.	1.9	0
657	Vulnerability assessment and interdependency analysis of critical infrastructures for climate adaptation and flood mitigation. International Journal of Disaster Resilience in the Built Environment, 2015, 6, 313-346.	0.7	28
658	Nonlocal effects and countermeasures in cascading failures. Physical Review E, 2015, 92, 032809.	0.8	43

#	ARTICLE	IF	CITATIONS
659	Approaches to improve the robustness on interdependent networks against cascading failures with load-based model. <i>Modern Physics Letters B</i> , 2015, 29, 1550210.	1.0	12
660	Failure cascade in interdependent network with traffic loads. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 485101.	0.7	47
661	Optimal Attack Strategy Based on Limited Cost Model on Complex Network. , 2015, , .		4
662	Worldwide aviation network vulnerability analysis: a complex network approach. <i>Evolutionary and Institutional Economics Review</i> , 2015, 12, 349-373.	0.3	6
663	Bridging the gap between physics and the social sciences. <i>Physics of Life Reviews</i> , 2015, 12, 30-31.	1.5	1
664	Designing reliable and resilient smart low-voltage grids. <i>International Journal of Critical Infrastructure Protection</i> , 2015, 9, 24-37.	2.9	6
665	Impact of the traffic interruption probability of optimal current on traffic congestion in lattice model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 425, 27-33.	1.2	31
666	The connectomics of brain disorders. <i>Nature Reviews Neuroscience</i> , 2015, 16, 159-172.	4.9	1,315
667	Forest-fire model as a supercritical dynamic model in financial systems. <i>Physical Review E</i> , 2015, 91, 022806.	0.8	5
668	Can the structural robustness of complex networks be enhanced by interconnection?. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550040.	0.8	2
669	Warning signals for eruptive events in spreading fires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2378-2383.	3.3	21
670	Investigation of exogenous shocks in complex supply networks – a modular Petri Net approach. <i>International Journal of Production Research</i> , 2015, 53, 1387-1408.	4.9	19
671	Decentral Smart Grid Control. <i>New Journal of Physics</i> , 2015, 17, 015002.	1.2	78
672	The multiplex structure of interbank networks. <i>Quantitative Finance</i> , 2015, 15, 673-691.	0.9	185
673	Spatial prisoner's dilemma games with increasing neighborhood size and individual diversity on two interdependent lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 767-773.	0.9	68
674	The cascading vulnerability of the directed and weighted network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 427, 302-325.	1.2	25
675	An Analysis for Construction Engineering Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015, 141, .	2.0	46
676	Towards real-world complexity: an introduction to multiplex networks. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	148

#	ARTICLE	IF	CITATIONS
677	Nucleation of a three-state spin model on complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 424, 97-104.	1.2	4
678	Robustness of network of networks with interdependent and interconnected links. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 424, 11-18.	1.2	28
679	Self-organized correlations lead to explosive synchronization. <i>Physical Review E</i> , 2015, 91, 022810.	0.8	9
680	Mutually connected component of networks of networks with replica nodes. <i>Physical Review E</i> , 2015, 91, 012804.	0.8	32
682	Hierarchical Cooperative Control for Multiagent Systems With Switching Directed Topologies. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015, 26, 2453-2463.	7.2	43
683	Characterization of Cascading Failures in Interdependent Cyber-Physical Systems. <i>IEEE Transactions on Computers</i> , 2015, 64, 2158-2168.	2.4	79
684	Attack robustness of cascading load model in interdependent networks. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550030.	0.8	19
685	How complex climate networks complement eigen techniques for the statistical analysis of climatological data. <i>Climate Dynamics</i> , 2015, 45, 2407-2424.	1.7	41
686	Modality transition-based network from multivariate time series for characterizing horizontal oil-water flow patterns. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550034.	0.8	2
687	Link overlap, viability, and mutual percolation in multiplex networks. <i>Chaos, Solitons and Fractals</i> , 2015, 72, 49-58.	2.5	45
688	Explosive Synchronization in Adaptive and Multilayer Networks. <i>Physical Review Letters</i> , 2015, 114, 038701.	2.9	294
689	The independent spreaders involved SIR Rumor model in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 429, 95-102.	1.2	65
690	Ranking the spreading ability of nodes in network core. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550059.	0.8	9
691	Critical noise of majority-vote model on complex networks. <i>Physical Review E</i> , 2015, 91, 022816.	0.8	34
692	Analysis of Critical Infrastructure Network Failure in the European Union: A Combined Systems Engineering and Economic Model. <i>Networks and Spatial Economics</i> , 2015, 15, 253-270.	0.7	28
693	Anomalous Discontinuity at the Percolation Critical Point of Active Gels. <i>Physical Review Letters</i> , 2015, 114, 098104.	2.9	45
694	Static and dynamic behavior of multiplex networks under interlink strength variation. <i>Europhysics Letters</i> , 2015, 109, 38006.	0.7	3
695	Dynamical Response of Networks Under External Perturbations: Exact Results. <i>Journal of Statistical Physics</i> , 2015, 159, 221-230.	0.5	30

#	ARTICLE	IF	CITATIONS
696	Cascade of failures in interdependent networks coupled by different type networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 430, 193-200.	1.2	37
697	Comorbidity networks: beyond disease correlations. <i>Journal of Complex Networks</i> , 2015, 3, 319-332.	1.1	18
698	Percolation in real interdependent networks. <i>Nature Physics</i> , 2015, 11, 597-602.	6.5	172
699	The dynamic lines of collaboration model: Collaborative disruption response in cyber-physical systems. <i>Computers and Industrial Engineering</i> , 2015, 87, 370-382.	3.4	29
700	Cascading failures of interdependent modular scale-free networks with different coupling preferences. <i>Europhysics Letters</i> , 2015, 111, 18007.	0.7	36
701	Isolated refuges for surviving global catastrophes. <i>Futures</i> , 2015, 72, 45-56.	1.4	40
702	Effect of memory on the dynamics of random walks on networks. <i>Journal of Complex Networks</i> , 2015, 3, 177-188.	1.1	36
703	Interconnectedness and interdependencies of critical infrastructures in the US economy: Implications for resilience. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 865-877.	1.2	66
704	Iterative path attacks on networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1633-1638.	0.9	19
705	Effect of local information within network layers on the evolution of cooperation in duplex public goods games. <i>Chaos, Solitons and Fractals</i> , 2015, 78, 47-60.	2.5	1
706	Coupled effects of local movement and global interaction on contagion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 482-491.	1.2	4
707	Effect of degree correlation on exact controllability of multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 98-102.	1.2	21
708	Modeling cascading failures with the crisis of trust in social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 256-271.	1.2	15
709	Anomalous critical and supercritical phenomena in explosive percolation. <i>Nature Physics</i> , 2015, 11, 531-538.	6.5	123
710	Search in Combined Social and Wireless Communication Networks: Delay and Success Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2015, 14, 4972-4980.	6.1	12
711	Cooperative behavior evolution of small groups on interconnected networks. <i>Chaos, Solitons and Fractals</i> , 2015, 80, 90-95.	2.5	35
712	Efficient algorithm to compute mutually connected components in interdependent networks. <i>Physical Review E</i> , 2015, 91, 022814.	0.8	10
713	Analyzing network reliability using structural motifs. <i>Physical Review E</i> , 2015, 91, 042814.	0.8	2



#	ARTICLE	IF	CITATIONS
714	Identifying influential nodes in a wound healing-related network of biological processes using mean first-passage time. <i>New Journal of Physics</i> , 2015, 17, 025002.	1.2	14
715	Coupled diseaseâ€behavior dynamics on complex networks: A review. <i>Physics of Life Reviews</i> , 2015, 15, 1-29.	1.5	385
716	The simplified self-consistent probabilities method for percolation and its application to interdependent networks. <i>New Journal of Physics</i> , 2015, 17, 063025.	1.2	48
717	A dynamic allocation mechanism of delivering capacity in coupled networks. <i>Chaos, Solitons and Fractals</i> , 2015, 80, 56-61.	2.5	9
718	Effect of clustering on attack vulnerability of interdependent scale-free networks. <i>Chaos, Solitons and Fractals</i> , 2015, 80, 109-116.	2.5	19
719	Spontaneous Symmetry Breaking in Interdependent Networked Game. <i>Scientific Reports</i> , 2014, 4, 4095.	1.6	151
720	Flow distances on open flow networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 437, 235-248.	1.2	13
721	A new model of network cascading failures with dependent nodes. , 2015, , .		7
722	Identifying Modular Flows on Multilayer Networks Reveals Highly Overlapping Organization in Interconnected Systems. <i>Physical Review X</i> , 2015, 5, .	2.8	178
723	Escaping the avalanche collapse in self-similar multiplexes. <i>New Journal of Physics</i> , 2015, 17, 053033.	1.2	10
724	Robustness of spatial micronetworks. <i>Physical Review E</i> , 2015, 91, 042813.	0.8	11
725	Percolation of localized attack on complex networks. <i>New Journal of Physics</i> , 2015, 17, 023049.	1.2	135
726	Multiple discontinuous percolation transitions on scale-free networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P04011.	0.9	4
727	Anatomy and efficiency of urban multimodal mobility. <i>Scientific Reports</i> , 2014, 4, 6911.	1.6	89
728	Percolation of interdependent network of networks. <i>Chaos, Solitons and Fractals</i> , 2015, 72, 4-19.	2.5	65
729	Cascading load model in interdependent networks with coupled strength. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 430, 242-253.	1.2	39
730	Cascading failures in interconnected networks with dynamical redistribution of loads. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 433, 204-210.	1.2	38
731	Cascading failure of interdependent networks with different coupling preference under targeted attack. <i>Chaos, Solitons and Fractals</i> , 2015, 80, 7-12.	2.5	78

#	ARTICLE	IF	CITATIONS
732	Can we neglect the multi-layer structure of functional networks?. Physica A: Statistical Mechanics and Its Applications, 2015, 430, 184-192.	1.2	53
733	Robust allocation of weighted dependency links in cyber-physical networks. Physica A: Statistical Mechanics and Its Applications, 2015, 433, 316-327.	1.2	7
734	MassExodus: modeling evolving networks in harsh environments. Data Mining and Knowledge Discovery, 2015, 29, 1211-1232.	2.4	3
735	An Interdependent Multi-Layer Model: Resilience of International Networks. Networks and Spatial Economics, 2015, 15, 313-335.	0.7	28
736	Ranking in interconnected multilayer networks reveals versatile nodes. Nature Communications, 2015, 6, 6868.	5.8	276
737	Structural reducibility of multilayer networks. Nature Communications, 2015, 6, 6864.	5.8	400
738	EVOLUTIONARY DYNAMICS IN OPINION FORMATION MODEL WITH COUPLING OF SOCIAL COMMUNITIES. International Journal of Modeling, Simulation, and Scientific Computing, 2015, 18, 1550003.	0.9	6
739	Network science: a useful tool in economics and finance. Mind and Society, 2015, 14, 155-167.	0.9	46
740	Percolation of interdependent networks with degree-correlated inter-connections. Journal of Physics: Conference Series, 2015, 574, 012003.	0.3	2
741	Spreading Processes in Multilayer Networks. IEEE Transactions on Network Science and Engineering, 2015, 2, 65-83.	4.1	172
742	Agricultural virtual water flows within the <scp>United States</scp>. Water Resources Research, 2015, 51, 973-986.	1.7	70
744	Localized attacks on spatially embedded networks with dependencies. Scientific Reports, 2015, 5, 8934.	1.6	124
745	The Emergence of Global Systemic Risk. Annual Review of Sociology, 2015, 41, 65-85.	3.1	121
746	Asymmetrically interacting spreading dynamics on complex layered networks. Scientific Reports, 2014, 4, 5097.	1.6	189
747	A new closeness centrality measure via effective distance in complex networks. Chaos, 2015, 25, 033112.	1.0	67
748	Networks of networks - An introduction. Chaos, Solitons and Fractals, 2015, 80, 1-6.	2.5	124
749	Multiplexity versus correlation: the role of local constraints in real multiplexes. Scientific Reports, 2015, 5, 9120.	1.6	26
750	Smart Rewiring: Improving Network Robustness Faster. Chinese Physics Letters, 2015, 32, 078901.	1.3	12

#	ARTICLE	IF	CITATIONS
751	Impact assessment of communication service disruptions in power system applications. , 2015, , .		0
752	Network reliability analysis based on percolation theory. Reliability Engineering and System Safety, 2015, 142, 556-562.	5.1	103
753	Explosive synchronization as a process of explosive percolation in dynamical phase space. Scientific Reports, 2014, 4, 5200.	1.6	61
754	The Resilience of Interdependent Industrial Symbiosis Networks: A Case of Yixing Economic and Technological Development Zone. Journal of Industrial Ecology, 2015, 19, 264-273.	2.8	33
755	Modelling robustness of critical infrastructure networks. , 2015, , .		23
756	Mitigation of malicious attacks on network observation. International Journal of Modern Physics C, 2015, 26, 1550108.	0.8	3
757	Percolation on interacting networks with feedback-dependency links. Chaos, 2015, 25, 013101.	1.0	10
758	Reliable Task Allocation with Load Balancing in Multiplex Networks. ACM Transactions on Autonomous and Adaptive Systems, 2015, 10, 1-32.	0.4	21
759	Cross-layers cascade in multiplex networks. Autonomous Agents and Multi-Agent Systems, 2015, 29, 1186-1215.	1.3	16
760	Optimization of Cascade-Resilient Electrical Infrastructures and its Validation by Power Flow Modeling. Risk Analysis, 2015, 35, 594-607.	1.5	45
761	Multiplex networks in metropolitan areas: generic features and local effects. Journal of the Royal Society Interface, 2015, 12, 20150651.	1.5	70
762	Influence of enhanced interconnecting links on cascading failures in smart grid. , 2015, , .		0
763	The effect of different couplings on mitigating failure cascades in interdependent networks. , 2015, , .		5
764	Modeling infrastructure system interdependencies and socioeconomic impacts of failure in extreme events: emerging R&D challenges. Natural Hazards, 2015, 78, 2143-2168.	1.6	90
765	Study of the impact of communication failures on power system. , 2015, , .		1
766	The cost and robustness of cyber-physical power grid with a novel model. , 2015, , .		0
767	Structural vulnerability of power grids to disasters: Bounds and reinforcement measures. , 2015, , .		3
768	Random Node Failures and Wireless Networks Connectivity: Theoretical Analysis. IEEE Wireless Communications Letters, 2015, 4, 461-464.	3.2	13

#	ARTICLE	IF	CITATIONS
769	Cascading Failures in Interdependent Economic Networks. Springer Proceedings in Complexity, 2015, , 87-97.	0.2	7
770	Structure of triadic relations in multiplex networks. New Journal of Physics, 2015, 17, 073029.	1.2	78
771	Cascade defense via routing in complex networks. International Journal of Modern Physics C, 2015, 26, 1550141.	0.8	1
772	Vulnerability and controllability of networks of networks. Chaos, Solitons and Fractals, 2015, 80, 125-138.	2.5	31
773	Finding another yourself in multiplex networks. Applied Mathematics and Computation, 2015, 266, 599-604.	1.4	8
774	Mean-field modeling approach for understanding epidemic dynamics in interconnected networks. Chaos, Solitons and Fractals, 2015, 80, 117-124.	2.5	12
775	Rapid Assessment, Visualization, and Mitigation of Cascading Failure Risk in Power Systems. , 2015, , .		7
776	Avalanche outbreaks emerging in cooperative contagions. Nature Physics, 2015, 11, 936-940.	6.5	128
777	Analysis of information diffusion for threshold models on arbitrary networks. European Physical Journal B, 2015, 88, 1.	0.6	8
778	Investigate the Impacts of PEV Charging Facilities on Integrated Electric Distribution System and Electrified Transportation System. IEEE Transactions on Transportation Electrification, 2015, 1, 178-187.	5.3	57
779	Interdependency in smart grid recovery. , 2015, , .		3
780	The role of complex networks in behavior epidemiology. Physics of Life Reviews, 2015, 15, 53-54.	1.5	1
781	MuxViz: a tool for multilayer analysis and visualization of networks. Journal of Complex Networks, 2015, 3, 159-176.	1.1	271
782	Recent Advances in Modeling the Vulnerability of Transportation Networks. Journal of Infrastructure Systems, 2015, 21, .	1.0	52
783	Biased imitation in coupled evolutionary games in interdependent networks. Scientific Reports, 2014, 4, 4436.	1.6	80
784	Invulnerability of scale-free network against critical node failures based on a renewed cascading failure model. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 69-77.	1.2	45
785	Strategy for community control of complex networks. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 98-108.	1.2	4
786	Small Cluster in Cyber Physical Systems: Network Topology, Interdependence and Cascading Failures. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2340-2351.	4.0	52

#	ARTICLE	IF	CITATIONS
787	Diffusion in Social Networks: A Multiagent Perspective. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 198-213.	5.9	101
788	Temporal evolution analysis of the European air transportation system: air navigation route network and airport network. Transportmetrica B, 2015, 3, 153-168.	1.4	50
790	Vulnerability of state-interdependent networks under malware spreading. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 134-140.	1.2	14
791	Intra-day response of foreign exchange markets after the Tohoku-Oki earthquake. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 203-214.	1.2	7
793	Multivariate multiscale entropy analysis of horizontal oil-water two-phase flow. Physica A: Statistical Mechanics and Its Applications, 2015, 417, 7-17.	1.2	23
794	Complex Network Analysis of Recurrences. Understanding Complex Systems, 2015, , 101-163.	0.3	8
795	Recurrence Quantification Analysis. Understanding Complex Systems, 2015, , .	0.3	153
796	Vulnerability of complex networks under path-based attacks. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 622-629.	1.2	30
797	The relation between global migration and trade networks. Physica A: Statistical Mechanics and Its Applications, 2015, 417, 245-260.	1.2	33
798	Structural vulnerability analysis of electric power distribution grids. International Journal of Critical Infrastructures, 2016, 12, 311.	0.1	2
799	Illiquidity Spirals in Over-the-Counter Repo Markets. SSRN Electronic Journal, 2016, , .	0.4	3
800	Complexity and the Economics of Climate Change: A Survey and a Look Forward. SSRN Electronic Journal, 0, , .	0.4	4
801	A universal model for growth of user population of products and services. Network Science, 2016, 4, 491-507.	0.8	4
802	Short term fluctuations of wind and solar power systems. New Journal of Physics, 2016, 18, 063027.	1.2	160
803	An Evolutionary Algorithm of the Regional Collaborative Innovation Based on Complex Network. Discrete Dynamics in Nature and Society, 2016, 2016, 1-10.	0.5	2
804	Comparison of Local Information Indices Applied in Resting State Functional Brain Network Connectivity Prediction. Frontiers in Neuroscience, 2016, 10, 585.	1.4	4
805	Coevolution of Cooperation and Layer Selection Strategy in Multiplex Networks. Games, 2016, 7, 34.	0.4	2
806	Community Analysis of Global Financial Markets. Risks, 2016, 4, 13.	1.3	22

#	ARTICLE	IF	CITATIONS
807	Shortest path network interdiction of bi-layer networks with goal threshold. , 2016, , .		2
808	Invisible Brain: Knowledge in Research Works and Neuron Activity. PLoS ONE, 2016, 11, e0158590.	1.1	6
809	Study of Robustness in Functionally Identical Coupled Networks against Cascading Failures. PLoS ONE, 2016, 11, e0160545.	1.1	11
810	Interacting Social Processes on Interconnected Networks. PLoS ONE, 2016, 11, e0163593.	1.1	10
811	Introduction to Complex Systems, Sustainability and Innovation. , 0, , .		4
812	Credit networks and systemic risk of Chinese local financing platforms: Too central or too big to fail?. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 158-170.	1.2	10
813	First-order phase transitions in outbreaks of co-infectious diseases and the extended general epidemic process. Europhysics Letters, 2016, 113, 26005.	0.7	30
814	Influence maximization in social networks based on discrete particle swarm optimization. Information Sciences, 2016, 367-368, 600-614.	4.0	183
815	Reengineering urban operations management and administration by constructing and using urban hierarchical vulnerability indices: An implication of system of systems and big data. , 2016, , .		0
816	Irreducibility of multilayer network dynamics: the case of the voter model. New Journal of Physics, 2016, 18, 023010.	1.2	57
817	Cascading failures of interdependent modular small-world networks. Modern Physics Letters B, 2016, 30, 1650174.	1.0	3
818	Cascading failure analysis and restoration strategy in an interdependent network. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 195101.	0.7	89
819	Discrete scale invariance in supercritical percolation. New Journal of Physics, 2016, 18, 013042.	1.2	8
820	Optimal attack strategy with heterogeneous costs in complex networks. , 2016, , .		1
821	Integrated Framework of Modified Accident Energy Release Model and Network Theory to Explore the Full Complexity of the Hangzhou Subway Construction Collapse. Journal of Management in Engineering - ASCE, 2016, 32, .	2.6	49
822	Effect of individual behavior on the interplay between awareness and disease spreading in multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 523-530.	1.2	41
823	Somatic mutations in disorders with disrupted brain connectivity. Experimental and Molecular Medicine, 2016, 48, e239-e239.	3.2	25
824	The effect of spatiality on multiplex networks. Europhysics Letters, 2016, 115, 36002.	0.7	39

#	ARTICLE	IF	CITATIONS
825	Functional Multiplex PageRank. Europhysics Letters, 2016, 116, 28004.	0.7	47
826	Multiple tipping points and optimal repairing in interacting networks. Nature Communications, 2016, 7, 10850.	5.8	79
827	A Hybrid Probabilistic Physics of Failure Pattern Recognition Based Approach for Assessment of Multi-Unit Causal Dependencies. , 2016, , .		1
828	On the Resilience of D2D-Based Social Networking Service against Random Failures. , 2016, , .		10
829	Multistability in nonlinearly coupled ring of Duffing systems. European Physical Journal: Special Topics, 2016, 225, 2623-2634.	1.2	15
830	Integrated Connectivity and Coverage Techniques for Wireless Sensor Networks. , 2016, , .		15
831	Transportation dynamics on coupled networks with limited bandwidth. Scientific Reports, 2016, 6, 39175.	1.6	18
832	URBAN-NET: A network-based infrastructure monitoring and analysis system for emergency management and public safety. , 2016, , .		9
833	Dynamics and Steady-State Behavior of Self-Healing Cyber-Physical Networks in Light of Cyber-Node Delays. , 2016, , .		2
834	Control of Multilayer Networks. Scientific Reports, 2016, 6, 20706.	1.6	47
835	Analysis of cascaded failures in power networks using maximum flow based complex network approach. , 2016, , .		9
836	Game among interdependent networks: The impact of rationality on system robustness. Europhysics Letters, 2016, 116, 68002.	0.7	1
837	Traffic flow calculation method for substation communication network. , 2016, , .		2
838	Cybersecurity for distributed energy resources and smart inverters. IET Cyber-Physical Systems: Theory and Applications, 2016, 1, 28-39.	1.9	146
839	Integrating Relationships and Attributes: A Model of Multilayer Networks. , 2016, , .		2
840	Robustness of interdependent random geometric networks. , 2016, , .		4
841	Line graphs for a multiplex network. Chaos, 2016, 26, 065309.	1.0	10
842	Estimation of Robustness of Interdependent Networks against Failure of Nodes. , 2016, , .		6

#	ARTICLE	IF	CITATIONS
843	Resilient distribution grids â€” cyber threat scenarios and test environment. , 2016, , .		8
844	New Biology Inspired Anonymous Distributed Algorithms to Compute Dominating and Total Dominating Sets in Network Graphs. , 2016, , .		1
845	Modeling and Correlation Analysis between Complex Networks. , 2016, , .		0
846	Cyberâ€”physical attacks and defences in the smart grid: a survey. IET Cyber-Physical Systems: Theory and Applications, 2016, 1, 13-27.	1.9	332
847	On the robustness of power systems: Optimal load-capacity distributions and hardness of attacking. , 2016, , .		4
848	Operational resilience: concepts, design and analysis. Scientific Reports, 2016, 6, 19540.	1.6	183
849	Explosive synchronization coexists with classical synchronization in the Kuramoto model. Chaos, 2016, 26, 065307.	1.0	45
850	Modeling the resilience of critical infrastructure: the role of network dependencies. Sustainable and Resilient Infrastructure, 2016, 1, 153-168.	1.7	168
851	Apply inter-similarity to evaluate C2 System effectiveness. , 2016, , .		0
852	Physics of transportation: Towards optimal capacity using the multilayer network framework. Scientific Reports, 2016, 6, 19059.	1.6	35
853	Symmetric and Asymmetric Tendencies in Stable Complex Systems. Scientific Reports, 2016, 6, 31762.	1.6	1
854	Cascade-robustness optimization of coupling preference in interconnected networks. Chaos, Solitons and Fractals, 2016, 92, 123-129.	2.5	13
855	Spectral Entropies as Information-Theoretic Tools for Complex Network Comparison. Physical Review X, 2016, 6, .	2.8	66
856	A â€œSocial Bitcoinâ€”could sustain a democratic digital world. European Physical Journal: Special Topics, 2016, 225, 3231-3241.	1.2	14
857	Analytical framework for MANET learning and routing. , 2016, , .		1
858	A new framework of electrical cyber physical systems. , 2016, , .		1
859	EPIDEMIC SPREADING ON THREE-LAYER INTERDEPENDENT NETWORKS. Journal of Biological Systems, 2016, 24, 469-494.	0.5	2
860	Extracting information from multiplex networks. Chaos, 2016, 26, 065306.	1.0	34



#	ARTICLE	IF	CITATIONS
861	Diverse types of percolation transitions. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 124002.	0.9	28
862	Percolation in real multiplex networks. Physical Review E, 2016, 94, 060301.	0.8	29
863	Chaotic Griffiths Phase with Anomalous Lyapunov Spectra in Coupled Map Networks. Physical Review Letters, 2016, 117, 254101.	2.9	9
864	The robustness of interdependent networks under the interplay between cascading failures and virus propagation. Europhysics Letters, 2016, 115, 58004.	0.7	22
865	Critical behavior of k-core percolation: Numerical studies. Physical Review E, 2016, 94, 062307.	0.8	24
866	Strength of weak layers in cascading failures on multiplex networks: case of the international trade network. Scientific Reports, 2016, 6, 26346.	1.6	25
867	Competition of simple and complex adoption on interdependent networks. Physical Review E, 2016, 94, 062301.	0.8	34
868	Localized recovery of complex networks against failure. Scientific Reports, 2016, 6, 30521.	1.6	48
869	Network composition for optimal disturbance rejection. , 2016, , .		4
870	Communities as cliques. Scientific Reports, 2016, 6, 35648.	1.6	14
871	The energy efficiency of fractal solar grids. , 2016, , .		0
872	The effect of randomness for dependency map on the robustness of interdependent lattices. Chaos, 2016, 26, 013105.	1.0	11
873	An algorithm for multiplex network generation. , 2016, , .		3
874	A general approach of generating multiplex networks with overlapped links. , 2016, , .		1
875	Study on the Resilience of the Integrated Energy System. Energy Procedia, 2016, 103, 171-176.	1.8	69
876	Robustness and Vulnerability of Networks with Dynamical Dependency Groups. Scientific Reports, 2016, 6, 37749.	1.6	25
877	Chimera states in uncoupled neurons induced by a multilayer structure. Scientific Reports, 2016, 6, 39033.	1.6	185
878	Relaxation dynamics of multilayer triangular Husimi cacti. Journal of Chemical Physics, 2016, 145, 104901.	1.2	9

#	ARTICLE	IF	CITATIONS
879	Layer-switching cost and optimality in information spreading on multiplex networks. Scientific Reports, 2016, 6, 21392.	1.6	34
880	Utilizing semantic big data for realizing a national-scale infrastructure vulnerability analysis system. , 2016, , .		5
881	Percolation Phase Transition of Surface Air Temperature Networks under Attacks of El Niño/La Niña. Scientific Reports, 2016, 6, 26779.	1.6	14
882	The study for protection strategy of cascading failure of interdependent network with the load. , 2016, , .		0
883	Spatio-temporal networks: reachability, centrality and robustness. Royal Society Open Science, 2016, 3, 160196.	1.1	56
884	Hidden Connectivity in Networks with Vulnerable Classes of Nodes. Physical Review X, 2016, 6, .	2.8	7
886	Will electrical cyber-physical interdependent networks undergo first-order transition under random attacks?. Physica A: Statistical Mechanics and Its Applications, 2016, 460, 235-245.	1.2	42
887	On modeling of electrical cyber-physical systems considering cyber security. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 465-478.	1.5	43
888	Self-Healing Protocols for Infrastructural Networks. Lecture Notes in Computer Science, 2016, , 308-313.	1.0	0
889	Reliability analysis of interdependent lattices. Physica A: Statistical Mechanics and Its Applications, 2016, 452, 120-125.	1.2	7
890	Designing cascade-resilient interdependent networks by optimum allocation of interdependencies. , 2016, , .		15
891	Measuring Urban Social Diversity Using Interconnected Geo-Social Networks. , 2016, , .		72
892	Traffic dynamics on two-layer complex networks with limited delivering capacity. Physica A: Statistical Mechanics and Its Applications, 2016, 456, 281-287.	1.2	49
893	Cascading failure in scale-free networks with tunable clustering. International Journal of Modern Physics C, 2016, 27, 1650093.	0.8	7
895	Towards structural controllability of local-world networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1912-1917.	0.9	15
896	Optimization problems in correlated networks. Computational Social Networks, 2016, 3, 1.	2.1	2
897	Fuzzy-information-based robustness of interconnected networks against attacks and failures. Physica A: Statistical Mechanics and Its Applications, 2016, 458, 194-203.	1.2	8
898	Cascades in interdependent flow networks. Physica D: Nonlinear Phenomena, 2016, 323-324, 35-39.	1.3	27

#	ARTICLE	IF	CITATIONS
900	Managed Dependability in Interacting Systems. Springer Series in Reliability Engineering, 2016, , 197-226.	0.3	8
901	Message passing theory for percolation models on multiplex networks with link overlap. Physical Review E, 2016, 94, 032301.	0.8	52
903	Nesting of dynamical systems and mode-dependent networks. Journal of Complex Networks, 2016, , cnw022.	1.1	4
904	A framework of theoretical research on load control in grid cyber physical system. , 2016, , .		2
905	Multidimensional Network Resilience Analysis. IEEE Latin America Transactions, 2016, 14, 2912-2914.	1.2	3
906	Fluctuations of a surface relaxation model in interacting scale free networks. Physica A: Statistical Mechanics and Its Applications, 2016, 463, 182-187.	1.2	1
907	Controllability of multiplex, multi-time-scale networks. Physical Review E, 2016, 94, 032316.	0.8	53
908	FASCINATE. , 2016, , .		50
909	Abnormal cascading failure spreading on complex networks. Chaos, Solitons and Fractals, 2016, 91, 695-701.	2.5	21
910	Shell attack on interdependent networks. , 2016, , .		0
911	Resilience of interdependent communication and power distribution networks against cascading failures. , 2016, , .		15
912	Linking the value of energy reliability to the acceptance of energy infrastructure: Evidence from the EU. Resources and Energy Economics, 2016, 45, 124-143.	1.1	24
913	On MultiAspect graphs. Theoretical Computer Science, 2016, 651, 50-61.	0.5	22
914	System crash as dynamics of complex networks. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11726-11731.	3.3	80
915	Cascading Failures in Load-Dependent Finite-Size Random Geometric Networks. IEEE Transactions on Network Science and Engineering, 2016, 3, 183-196.	4.1	8
916	Robustness of power grid topologies against centrality-based attacks. , 2016, , .		4
917	Cascading Failures on Reliability in Cyber-Physical System. IEEE Transactions on Reliability, 2016, 65, 1745-1754.	3.5	42
918	A Spatial Network Model for Civil Infrastructure System Development. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 661-680.	6.3	15

#	ARTICLE	IF	CITATIONS
919	Modularity. , 2016, , 303-354.		3
920	Statistical Connectomics. , 2016, , 383-419.		2
921	Reducing the impact of targeted attacks in interdependent telecommunication networks. , 2016, , .		2
922	Dynamics of information diffusion and its applications on complex networks. Physics Reports, 2016, 651, 1-34.	10.3	338
923	Impact of operatorsâ€™ performance in the reliability of cyber-physical power distribution systems. IET Generation, Transmission and Distribution, 2016, 10, 2640-2646.	1.4	28
924	The physics of spreading processes in multilayer networks. Nature Physics, 2016, 12, 901-906.	6.5	430
925	Cyber-security of SCADA and Other Industrial Control Systems. Advances in Information Security, 2016, , .	0.9	40
926	Continuous-time quantum walks on multilayer dendrimer networks. Physical Review E, 2016, 94, 022307.	0.8	15
927	On Propagation of Phenomena in Interdependent Networks. IEEE Transactions on Network Science and Engineering, 2016, 3, 225-239.	4.1	14
928	Information Propagation in Clustered Multilayer Networks. IEEE Transactions on Network Science and Engineering, 2016, 3, 211-224.	4.1	55
929	The Physics behind Systems Biology. EPJ Nonlinear Biomedical Physics, 2016, 4, .	0.8	9
930	Improving the robustness of the smart grid using a multi-objective key player identification approach. , 2016, , .		0
931	Exacerbated vulnerability of coupled socio-economic risk in complex networks. Europhysics Letters, 2016, 116, 18001.	0.7	15
932	Interdependent lattice networks in high dimensions. Physical Review E, 2016, 94, 052306.	0.8	16
933	Optimal selection of nodes to propagate influence on networks. European Physical Journal B, 2016, 89, 1.	0.6	3
934	Exploring impacts of climate change on UKâ€™s ICT infrastructure. Infrastructure Asset Management, 2016, 3, 42-52.	1.2	12
935	Responding to Global Challenges in Food, Energy, Environment and Water: Risks and Options Assessment for Decision-Making. Asia and the Pacific Policy Studies, 2016, 3, 275-299.	0.6	45
936	Disconnected, fragmented, or united? a trans-disciplinary review of network science. Applied Network Science, 2016, 1, 6.	0.8	25

#	ARTICLE	IF	CITATIONS
937	Scale effects on spatially embedded contact networks. Computers, Environment and Urban Systems, 2016, 59, 142-151.	3.3	11
938	Correlated edge overlaps in multiplex networks. Physical Review E, 2016, 94, 012303.	0.8	31
939	Value of peripheral nodes in controlling multilayer scale-free networks. Physical Review E, 2016, 93, 012309.	0.8	19
940	Maximizing algebraic connectivity in interconnected networks. Physical Review E, 2016, 93, 030301.	0.8	13
941	Locating the source of diffusion in complex networks by time-reversal backward spreading. Physical Review E, 2016, 93, 032301.	0.8	81
942	Multiplex networks with heterogeneous activities of the nodes. Physical Review E, 2016, 93, 032302.	0.8	24
943	Explosive percolation transitions in growing networks. Physical Review E, 2016, 93, 032316.	0.8	8
944	Hybrid phase transition into an absorbing state: Percolation and avalanches. Physical Review E, 2016, 93, 042109.	0.8	32
945	Cooperative epidemics on multiplex networks. Physical Review E, 2016, 93, 042303.	0.8	49
946	Interconnectivity structure of a general interdependent network. Physical Review E, 2016, 93, 042305.	0.8	18
947	Spatial network surrogates for disentangling complex system structure from spatial embedding of nodes. Physical Review E, 2016, 93, 042308.	0.8	30
948	Percolation of networks with directed dependency links. Physical Review E, 2016, 93, 042312.	0.8	8
949	Phase transitions in cooperative coinfections: Simulation results for networks and lattices. Physical Review E, 2016, 93, 042316.	0.8	44
950	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle k \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{-core}$ percolation on complex networks: Comparing random, localized, and targeted attacks. Physical Review E, 2016, 93, 062302.	0.8	51
951	Critical Links and Nonlocal Rerouting in Complex Supply Networks. Physical Review Letters, 2016, 116, 138701.	2.9	75
952	Enhancing network resilience via self-healing. , 2016, , .		5
953	Bond Percolation on Multiplex Networks. Physical Review X, 2016, 6, .	2.8	46
954	Out of control: Fluctuation of cascading dynamics in networks. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 1231-1243.	1.2	6

#	ARTICLE	IF	CITATIONS
955	Impact of Degree Heterogeneity on Attack Vulnerability of Interdependent Networks. Scientific Reports, 2016, 6, 32983.	1.6	39
956	Adopting the cloud to manage the electricity grid. , 2016, , .		1
957	Rescue of endemic states in interconnected networks with adaptive coupling. Scientific Reports, 2016, 6, 29342.	1.6	17
958	Improved percolation theory incorporating power flow analysis to model cascading failures in Cyber-Physical Power System. , 2016, , .		6
959	Synchronization in networks with multiple interaction layers. Science Advances, 2016, 2, e1601679.	4.7	93
960	Immunization and Targeted Destruction of Networks using Explosive Percolation. Physical Review Letters, 2016, 117, 208301.	2.9	85
961	Competition among networks highlights the power of the weak. Nature Communications, 2016, 7, 13273.	5.8	18
962	Robustness of controlling edge dynamics in complex networks against node failure. Physical Review E, 2016, 94, 052310.	0.8	13
963	Explosive transitions in complex networksâ€™ structure and dynamics: Percolation and synchronization. Physics Reports, 2016, 660, 1-94.	10.3	251
964	A study of the temporal robustness of the growing global container-shipping network. Scientific Reports, 2016, 6, 34217.	1.6	31
965	Modeling region-based interconnection for interdependent networks. Physical Review E, 2016, 94, 042315.	0.8	8
966	Controllability for a special case of multi-level Boolean control networks. , 2016, , .		1
967	Recovery of infrastructure networks after localised attacks. Scientific Reports, 2016, 6, 24522.	1.6	58
968	Random node failures and wireless networks connectivity: A novel recovery scheme. , 2016, , .		1
970	A Methodology to Apply a Game Theoretic Model of Security Risks Interdependencies Between ICT and Electric Infrastructures. Lecture Notes in Computer Science, 2016, , 159-171.	1.0	1
971	Emergence of event cascades in inhomogeneous networks. Scientific Reports, 2016, 6, 33321.	1.6	10
972	Optimal control of complex networks based on matrix differentiation. Europhysics Letters, 2016, 115, 68005.	0.7	8
973	The robustness of multiplex networks under layer node-based attack. Scientific Reports, 2016, 6, 24304.	1.6	36

#	ARTICLE	IF	CITATIONS
974	Optimizing the robustness of electrical power systems against cascading failures. Scientific Reports, 2016, 6, 27625.	1.6	38
975	Cascading failures in interdependent networks with finite functional components. Physical Review E, 2016, 94, 042304.	0.8	21
976	Message Passing for Analysis and Resilient Design of Self-Healing Interdependent Cyber-Physical Networks. , 2016, , .		3
977	A Framework for Analyzing Vulnerability of Critical Infrastructures Under Localized Attacks. Communications in Computer and Information Science, 2016, , 94-103.	0.4	1
978	Multilayer Network Analysis of Nuclear Reactions. Scientific Reports, 2016, 6, 31882.	1.6	4
979	Knowledge and Systems Sciences. Communications in Computer and Information Science, 2016, , .	0.4	1
980	How is habitat connectivity affected by settlement and road network configurations? Results from simulating coupled habitat and human networks. Ecological Modelling, 2016, 342, 186-198.	1.2	25
981	Technology-related disasters: A survey towards disaster-resilient Software Defined Networks. , 2016, , .		17
982	Vitality of Neural Networks under Reoccurring Catastrophic Failures. Scientific Reports, 2016, 6, 31674.	1.6	5
983	Cascading failures in coupled networks: The critical role of node-coupling strength across networks. Scientific Reports, 2016, 6, 35352.	1.6	32
984	Feedback control stabilization of critical dynamics via resource transport on multilayer networks: How glia enable learning dynamics in the brain. Physical Review E, 2016, 94, 042310.	0.8	20
985	EFFECT OF INTENTIONAL REMOVALS OF NODES AS A DEFENSE STRATEGY AGAINST CASCADING FAILURE. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and Management), 2016, 72, I_781-I_792.	0.0	0
986	Cascading failure of interdependent networks with traffic: Using a redundancy design to protect influential nodes. , 2016, , .		0
987	Graphs and Networks. , 0, , 66-82.		0
988	Resilience Index"Selected Examples. , 0, , 135-149.		0
990	Node-independent elementary signaling modes: A measure of redundancy in Boolean signaling transduction networks. Network Science, 2016, 4, 273-292.	0.8	10
991	Stitching Inter-Domain Paths over IXPs. , 2016, , .		28
992	A random interacting network model for complex networks. Scientific Reports, 2016, 5, 18183.	1.6	4

#	ARTICLE	IF	CITATIONS
993	Recovery of Interdependent Networks. Scientific Reports, 2016, 6, 22834.	1.6	86
994	Cascading failures in coupled networks with both inner-dependency and inter-dependency links. Scientific Reports, 2016, 6, 25294.	1.6	22
995	Resilience of antagonistic networks with regard to the effects of initial failures and degree-degree correlations. Physical Review E, 2016, 94, 032308.	0.8	3
996	Non-uniform Evolving Hypergraphs and Weighted Evolving Hypergraphs. Scientific Reports, 2016, 6, 36648.	1.6	12
997	Link prediction via Supervised Dynamic Network Formation. , 2016, , .		0
998	An evolution model with high proportion of renewable energy. , 2016, , .		1
999	Cascading Node Failure with Continuous States in Random Geometric Networks. , 2016, , .		1
1000	On Progressive Recovery in Interdependent Cyber Physical Systems. , 2016, , .		9
1001	Vulnerability analysis of process plants subject to domino effects. Reliability Engineering and System Safety, 2016, 154, 127-136.	5.1	84
1002	Towards Cognitive Cities. Studies in Systems, Decision and Control, 2016, , .	0.8	10
1003	Reliability evaluation for NFV deployment of future mobile broadband networks. IEEE Wireless Communications, 2016, 23, 90-96.	6.6	77
1004	Data based identification and prediction of nonlinear and complex dynamical systems. Physics Reports, 2016, 644, 1-76.	10.3	268
1005	Estimating the Propagation of Interdependent Cascading Outages with Multi-Type Branching Processes. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	29
1006	A Survey of Data Cleansing Techniques for Cyber-Physical Critical Infrastructure Systems. Advances in Computers, 2016, , 63-110.	1.2	3
1007	Oscillations in interconnected complex networks under intentional attack. International Journal of Modern Physics C, 2016, 27, 1650059.	0.8	1
1008	Targeted attack on networks coupled by connectivity and dependency links. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 687-699.	1.2	25
1009	Robustness of single and interdependent scale-free interaction networks with various parameters. Physica A: Statistical Mechanics and Its Applications, 2016, 460, 139-151.	1.2	38
1010	Improving interdependent networks robustness by adding connectivity links. Physica A: Statistical Mechanics and Its Applications, 2016, 444, 9-19.	1.2	77



#	ARTICLE	IF	CITATIONS
1011	A generalized voter model with time-decaying memory on a multilayer network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 458, 95-105.	1.2	3
1012	Robustness of assembly supply chain networks by considering risk propagation and cascading failure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 459, 129-139.	1.2	43
1013	Critical location identification and vulnerability analysis of interdependent infrastructure systems under spatially localized attacks. <i>Reliability Engineering and System Safety</i> , 2016, 154, 106-116.	5.1	75
1014	Local vs. global redundancy “ trade-offs between resilience against cascading failures and frequency stability. <i>European Physical Journal: Special Topics</i> , 2016, 225, 551-568.	1.2	26
1015	Weighted multiplex network of air transportation. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	8
1016	Unraveling the impacts of IXP in internet ecosystem using bi-layered network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 456, 327-339.	1.2	6
1017	Modified localized attack on complex network. <i>Europhysics Letters</i> , 2016, 113, 28002.	0.7	13
1018	Towards a realistic model for failure propagation in interdependent networks. , 2016, , .		13
1019	Installing computational social science: Facing the challenges of new information and communication technologies in social science. <i>Methodological Innovations</i> , 2016, 9, 205979911562276.	0.5	16
1020	Minimum-cost control of complex networks. <i>New Journal of Physics</i> , 2016, 18, 013012.	1.2	53
1021	The Interdependent Network Design Problem for Optimal Infrastructure System Restoration. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016, 31, 334-350.	6.3	188
1022	Cascading failures with local load redistribution in interdependent Watts“Strogatz networks. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650131.	0.8	9
1023	Cascading failures coupled model of interdependent double layered public transit network. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650145.	0.8	14
1024	Cross-layer betweenness centrality in multiplex networks with applications. , 2016, , .		18
1025	Multilayer network decoding versatility and trust. <i>Europhysics Letters</i> , 2016, 113, 18007.	0.7	27
1026	A Network Planning and Management Tool for mitigating the impact of spatially correlated failures in infrastructure networks. , 2016, , .		4
1027	Robust and Cost-Effective Design of Cyber-Physical Systems: An Optimal Middleware Deployment Approach. <i>IEEE/ACM Transactions on Networking</i> , 2016, 24, 1081-1094.	2.6	15
1028	Centrality Measurement of the Mexican Large Value Payments System from the Perspective of Multiplex Networks. <i>Computational Economics</i> , 2016, 47, 19-47.	1.5	12

#	ARTICLE	IF	CITATIONS
1029	Breakdown of interdependent directed networks. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1138-1143.	3.3	120
1030	Cascading network failure across the Alzheimer's disease spectrum. Brain, 2016, 139, 547-562.	3.7	401
1031	Spatio-temporal propagation of cascading overload failures in spatially embedded networks. Nature Communications, 2016, 7, 10094.	5.8	89
1032	A greedy model with small world for improving the robustness of heterogeneous Internet of Things. Computer Networks, 2016, 101, 127-143.	3.2	155
1033	Network of networks in Linux operating system. Physica A: Statistical Mechanics and Its Applications, 2016, 447, 520-526.	1.2	15
1034	On degree-degree correlations in multilayer networks. Physica D: Nonlinear Phenomena, 2016, 323-324, 5-11.	1.3	28
1035	Degree distribution and assortativity in line graphs of complex networks. Physica A: Statistical Mechanics and Its Applications, 2016, 445, 343-356.	1.2	13
1036	Uncovering multiloci-ordering by algebraic property of Laplacian matrix and its Fiedler vector. Bioinformatics, 2016, 32, 801-807.	1.8	3
1037	Disaster complexity and the Santiago de Compostela train derailment. Disaster Health, 2016, 3, 11-31.	0.6	19
1038	Identifying influential spreaders in complex networks based on gravity formula. Physica A: Statistical Mechanics and Its Applications, 2016, 451, 205-212.	1.2	209
1039	Robust principal component analysis-based coherency identification of generators with missing PMU measurements. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 36-42.	0.8	2
1040	Cascading Failures in Interdependent Infrastructures: An Interdependent Markov-Chain Approach. IEEE Transactions on Smart Grid, 2016, 7, 1997-2006.	6.2	89
1041	Suppressing explosive synchronization by contrarians. Europhysics Letters, 2016, 113, 28005.	0.7	18
1042	Combined Banzhaf & Diversity Index (CBDI) for critical node detection. Journal of Network and Computer Applications, 2016, 64, 76-88.	5.8	8
1043	A Survey on Resiliency Techniques in Cloud Computing Infrastructures and Applications. IEEE Communications Surveys and Tutorials, 2016, 18, 2244-2281.	24.8	110
1044	A Tipping Point in the Structural Formation of Interconnected Networks. Understanding Complex Systems, 2016, , 1-15.	0.3	0
1045	Vulnerability of Interdependent Networks and Networks of Networks. Understanding Complex Systems, 2016, , 79-99.	0.3	25
1046	How Much Interconnected Should Networks be for Cooperation to Thrive?. Understanding Complex Systems, 2016, , 125-139.	0.3	2

#	ARTICLE	IF	CITATIONS
1047	The structural robustness of geographical networks against regional failure and their pre-optimization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 451, 420-428.	1.2	5
1048	Scheduling for single agile satellite, redundant targets problem using complex networks theory. <i>Chaos, Solitons and Fractals</i> , 2016, 83, 125-132.	2.5	60
1049	Interconnected Networks. <i>Understanding Complex Systems</i> , 2016, , .	0.3	15
1050	Multimodal Impact Analysis of an Airside Catastrophic Event: A Case Study of the Asiana Crash. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 587-604.	4.7	11
1051	Suppressing failure cascades in interconnected networks: Considering capacity allocation pattern and load redistribution. <i>Modern Physics Letters B</i> , 2016, 30, 1650049.	1.0	31
1052	Centrality metrics and localization in core-periphery networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 023401.	0.9	18
1053	A Study of Financial Contagion in Interbank System. , 2016, , .		0
1054	Data-driven modeling of solar-powered urban microgrids. <i>Science Advances</i> , 2016, 2, e1500700.	4.7	48
1055	Critical infrastructure, panarchies and the vulnerability paths of cascading disasters. <i>Natural Hazards</i> , 2016, 82, 175-192.	1.6	244
1056	Modeling and simulation of the vulnerability of interdependent power-water infrastructure networks to cascading failures. <i>Journal of Systems Science and Systems Engineering</i> , 2016, 25, 102-118.	0.8	58
1057	A Unified Approach to Percolation Processes on Multiplex Networks. <i>Understanding Complex Systems</i> , 2016, , 101-123.	0.3	6
1058	Recent advances on failure and recovery in networks of networks. <i>Chaos, Solitons and Fractals</i> , 2016, 90, 28-36.	2.5	84
1059	The topological defense in SIS epidemic models. <i>Chaos, Solitons and Fractals</i> , 2016, 86, 16-22.	2.5	7
1060	Systems medicine of inflammaging. <i>Briefings in Bioinformatics</i> , 2016, 17, 527-540.	3.2	35
1061	The effect of capacity redundancy disparity on the robustness of interconnected networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 447, 561-568.	1.2	22
1062	Framework for vulnerability assessment of communication systems for electric power grids. <i>IET Generation, Transmission and Distribution</i> , 2016, 10, 477-486.	1.4	49
1063	Modeling cascading failures in interdependent infrastructures under terrorist attacks. <i>Reliability Engineering and System Safety</i> , 2016, 147, 1-8.	5.1	100
1064	Tabu Search enhances network robustness under targeted attacks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 446, 82-91.	1.2	10

#	ARTICLE	IF	CITATIONS
1065	Structural diversity effects of multilayer networks on the threshold of interacting epidemics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 254-262.	1.2	8
1066	Rumor spreading in online social networks by considering the bipolar social reinforcement. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 447, 108-115.	1.2	49
1067	Time-based critical infrastructure dependency analysis for large-scale and cross-sectoral failures. <i>International Journal of Critical Infrastructure Protection</i> , 2016, 12, 46-60.	2.9	62
1068	Guerrilla Media: Interactive Social Media. , 2016, , 307-324.		1
1069	Epidemiological Modeling on Complex Networks. <i>Understanding Complex Systems</i> , 2016, , 51-77.	0.3	6
1070	Optimal attack strategy of complex networks based on tabu search. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 442, 74-81.	1.2	51
1071	Complex interdependent supply chain networks: Cascading failure and robustness. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 58-69.	1.2	125
1072	Supply chain risk at simultaneous robust perturbations. <i>International Journal of Production Economics</i> , 2016, 181, 68-78.	5.1	23
1073	A novel information cascade model in online social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 297-310.	1.2	9
1074	Systemic risk in multiplex networks with asymmetric coupling and threshold feedback. <i>Physica D: Nonlinear Phenomena</i> , 2016, 323-324, 64-72.	1.3	34
1075	A new car-following model with the consideration of incorporating timid and aggressive driving behaviors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 442, 197-202.	1.2	61
1076	Interdependency enriches the spatial reciprocity in prisoner's dilemma game on weighted networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 442, 388-396.	1.2	35
1077	CCP interoperability and system stability. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650025.	0.8	0
1078	Cascading Failure Analysis Considering Interaction Between Power Grids and Communication Networks. <i>IEEE Transactions on Smart Grid</i> , 2016, 7, 530-538.	6.2	185
1079	Exploring the Scale-Invariant Structure of Smart Grids. <i>IEEE Systems Journal</i> , 2017, 11, 1612-1621.	2.9	5
1080	Effect of self-organized interdependence between populations on the evolution of cooperation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 42, 73-82.	1.7	15
1081	Risk Analysis and Enhancement of Cooperation Yielded by the Individual Reputation in the Spatial Public Goods Game. <i>IEEE Systems Journal</i> , 2017, 11, 1516-1525.	2.9	108
1082	Urban infrastructure is not a tree: Integrating and decentralizing urban infrastructure systems. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2017, 44, 553-569.	1.0	34

#	ARTICLE	IF	CITATIONS
1083	Applying Importance Measures to Risk Analysis in Engineering Project Using a Risk Network Model. IEEE Systems Journal, 2017, 11, 1548-1556.	2.9	25
1084	Cascading failures in interdependent networks due to insufficient received support capability. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 777-788.	1.2	7
1085	Dynamical robustness of networks against multi-node attacked. Physica A: Statistical Mechanics and Its Applications, 2017, 471, 837-844.	1.2	11
1087	Robustness of network controllability in cascading failure. Physica A: Statistical Mechanics and Its Applications, 2017, 471, 536-539.	1.2	26
1088	Causal inference from noisy time-series data – Testing the Convergent Cross-Mapping algorithm in the presence of noise and external influence. Future Generation Computer Systems, 2017, 73, 52-62.	4.9	54
1089	Using interdependency matrices to mitigate targeted attacks on interdependent networks: A case study involving a power grid and backbone telecommunications networks. International Journal of Critical Infrastructure Protection, 2017, 16, 3-12.	2.9	25
1090	A spatial-temporal vulnerability assessment to support the building of community resilience against power outage impacts. Technological Forecasting and Social Change, 2017, 121, 99-118.	6.2	22
1091	First-order transition in a percolation model with nucleation and preferential growth. Physical Review E, 2017, 95, 010101.	0.8	6
1092	Redundant Interdependencies Boost the Robustness of Multiplex Networks. Physical Review X, 2017, 7, .	2.8	47
1093	Modeling and impact analysis of interdependent characteristics on cascading failures in smart grids. International Journal of Electrical Power and Energy Systems, 2017, 89, 106-114.	3.3	56
1094	Detecting resilient structures in stochastic networks: A two-stage stochastic optimization approach. Networks, 2017, 69, 189-204.	1.6	6
1095	A new mathematical framework and spatial decision support system for modeling cascade interdependency of critical infrastructure during geo-disasters. Journal of Earth Science (Wuhan), Tj ETQq1 1 0.784&14 rgBT #Overlock		
1096	Brain and cognitive reserve: Translation via network control theory. Neuroscience and Biobehavioral Reviews, 2017, 75, 53-64.	2.9	95
1097	Network susceptibilities: Theory and applications. Physical Review E, 2017, 95, 012319.	0.8	43
1098	Target recovery in complex networks. European Physical Journal B, 2017, 90, 1.	0.6	20
1099	Research on cascading failure in multilayer network with different coupling preference. International Journal of Modern Physics C, 2017, 28, 1750050.	0.8	4
1100	Pathways towards instability in financial networks. Nature Communications, 2017, 8, 14416.	5.8	172
1101	Coupling effect of nodes popularity and similarity on social network persistence. Scientific Reports, 2017, 7, 42956.	1.6	2

#	ARTICLE	IF	CITATIONS
1102	Universal resilience patterns in cascading load model: More capacity is not always better. International Journal of Modern Physics C, 2017, 28, 1750041.	0.8	0
1103	Failure and recovery in dynamical networks. Scientific Reports, 2017, 7, 41729.	1.6	47
1104	Conditions for Almost Global Attractivity of a Synchronous Generator Connected to an Infinite Bus. IEEE Transactions on Automatic Control, 2017, 62, 4905-4916.	3.6	26
1105	Cascading failure in interconnected weighted networks based on the state of link. International Journal of Modern Physics C, 2017, 28, 1750040.	0.8	3
1106	Epidemic spreading and bond percolation on multilayer networks. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 034001.	0.9	27
1107	Traffic congestion and the lifetime of networks with moving nodes. Physical Review E, 2017, 95, 012322.	0.8	13
1108	Optimizing interconnections to maximize the spectral radius of interdependent networks. Physical Review E, 2017, 95, 032308.	0.8	7
1109	Heuristic urban transportation network design method, a multilayer coevolution approach. Physica A: Statistical Mechanics and Its Applications, 2017, 479, 71-83.	1.2	28
1110	Efficient calculation of the robustness measure $R$ for complex networks. Physica A: Statistical Mechanics and Its Applications, 2017, 478, 63-68.	1.2	13
1111	Randomly biased investments and the evolution of public goods on interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2017, 479, 542-550.	1.2	14
1112	Articulation points in complex networks. Nature Communications, 2017, 8, 14223.	5.8	71
1113	Percolation on networks with weak and heterogeneous dependency. Physical Review E, 2017, 95, 032301.	0.8	14
1114	Universal data-based method for reconstructing complex networks with binary-state dynamics. Physical Review E, 2017, 95, 032303.	0.8	28
1115	Vulnerability and Cosusceptibility Determine the Size of Network Cascades. Physical Review Letters, 2017, 118, 048301.	2.9	45
1116	Resilience Analysis Framework for Interconnected Critical Infrastructures. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2017, 3, .	0.7	22
1117	Percolation framework to describe El Niño conditions. Chaos, 2017, 27, 035807.	1.0	48
1118	Best Effort Broadcast under Cascading Failures in Interdependent Networks. , 2017, , .		1
1119	On the eigenfunctions of dynamic graphs: Fast tracking and attribution algorithms. Statistical Analysis and Data Mining, 2017, 10, 121-135.	1.4	8

#	ARTICLE	IF	CITATIONS
1120	The Game-Theoretic Formation of Interconnections Between Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 341-352.	9.7	5
1121	An improved network model for railway traffic. International Journal of Modern Physics C, 2017, 28, 1750037.	0.8	4
1122	Complex systems: physics beyond physics. European Journal of Physics, 2017, 38, 023002.	0.3	62
1123	Cascading failures of interdependent networks with different $\langle k \rangle$ -core structures. Modern Physics Letters B, 2017, 31, 1750112.	1.0	6
1124	Effect of connection on transport between scale free networks. International Journal of Modern Physics C, 2017, 28, 1750064.	0.8	6
1125	Controllability robustness for scale-free networks based on nonlinear load-capacity. Neurocomputing, 2017, 251, 99-105.	3.5	20
1126	Youth Violence and Interventions: Insights from a Complex Agent Network Model. Reports in Advances of Physical Sciences, 2017, 01, 1740006.	0.6	2
1127	Dynamical leaps due to microscopic changes in multilayer networks. Europhysics Letters, 2017, 117, 48004.	0.7	1
1128	Quantitative environmental risk assessment for the iron and steel industrial symbiosis network. Journal of Cleaner Production, 2017, 157, 106-117.	4.6	23
1129	Overload cascading failure on complex networks with heterogeneous load redistribution. Physica A: Statistical Mechanics and Its Applications, 2017, 481, 160-166.	1.2	12
1131	Chemogenetic Interrogation of a Brain-wide Fear Memory Network in Mice. Neuron, 2017, 94, 363-374.e4.	3.8	211
1132	Efficient availability assessment of reconfigurable multi-state systems with interdependencies. Reliability Engineering and System Safety, 2017, 165, 431-444.	5.1	10
1133	System-of-systems formulation and disruption analysis for multi-scale critical national infrastructures. Reliability Engineering and System Safety, 2017, 167, 30-41.	5.1	65
1134	Towards a framework for cyber attack impact analysis of electric cyber physical systems. , 2017, , .		4
1135	Complexity and the Economics of Climate Change: A Survey and a Look Forward. Ecological Economics, 2017, 138, 252-265.	2.9	127
1136	Complex Networks Theory For Modern Smart Grid Applications: A Survey. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 177-191.	2.7	81
1137	Error Correction Coding Meets Cyber-Physical Systems: Message-Passing Analysis of Self-Healing Interdependent Networks. IEEE Transactions on Communications, 2017, 65, 2753-2768.	4.9	17
1139	A preferential attachment strategy for connectivity link addition strategy in improving the robustness of interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2017, 483, 412-422.	1.2	26

#	ARTICLE	IF	CITATIONS
1140	Efficient collective influence maximization in cascading processes with first-order transitions. Scientific Reports, 2017, 7, 45240.	1.6	50
1141	Resilience Strategies for Interdependent Multiscale Lifeline Infrastructure Networks. , 2017, , .		2
1142	Degree heterogeneity and stability of ecological networks. Journal of the Royal Society Interface, 2017, 14, 20170189.	1.5	20
1143	Research on Methods for Improving Robustness of Cascading Failures of Interdependent Networks. Wireless Personal Communications, 2017, 95, 2111-2126.	1.8	10
1144	Robustness of non-interdependent and interdependent networks against dependent and adaptive attacks. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 713-727.	1.2	8
1145	Alternative Resilience Indices for City Ecosystems Subjected to Natural Hazards. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 527-545.	6.3	32
1146	Modeling the interdependent network based on two-mode networks. Physica A: Statistical Mechanics and Its Applications, 2017, 483, 57-67.	1.2	11
1147	Cybersecurity in Distributed Power Systems. Proceedings of the IEEE, 2017, 105, 1367-1388.	16.4	146
1148	A critical review of cascading failure analysis and modeling of power system. Renewable and Sustainable Energy Reviews, 2017, 80, 9-22.	8.2	144
1149	Effects of Cyber Coupling on Cascading Failures in Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 228-238.	2.7	63
1150	A Thesis on Life, the Universe and Almost Everything. Astronomers' Universe, 2017, , 385-442.	0.0	0
1151	Phase Transition in Recovery Process of Complex Networks. Chinese Physics Letters, 2017, 34, 058901.	1.3	1
1153	Selective impairment of hippocampus and posterior hub areas in Alzheimer's disease: an MEG-based multiplex network study. Brain, 2017, 140, 1466-1485.	3.7	132
1154	Connectomic profile and clinical phenotype in newly diagnosed glioma patients. NeuroImage: Clinical, 2017, 14, 87-96.	1.4	64
1155	Social contagions on interdependent lattice networks. Scientific Reports, 2017, 7, 44669.	1.6	19
1156	Robust Topology Design of Complex Infrastructure Systems. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2017, 3, .	0.7	5
1157	Reducing Cascading Failure Risk by Increasing Infrastructure Network Interdependence. Scientific Reports, 2017, 7, 44499.	1.6	114
1158	Battling the Extreme: A Study on the Power System Resilience. Proceedings of the IEEE, 2017, 105, 1253-1266.	16.4	481



#	ARTICLE	IF	CITATIONS
1159	Failure propagation of dependency networks with recovery mechanism. , 2017, , .		2
1160	Model of brain activation predicts the neural collective influence map of the brain. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3849-3854.	3.3	53
1161	Vulnerability analysis of interdependent spatially embedded infrastructure networks under localized attack. Modern Physics Letters B, 2017, 31, 1750089.	1.0	9
1162	Constructing Robust Cooperative Networks using a Multi-Objective Evolutionary Algorithm. Scientific Reports, 2017, 7, 41600.	1.6	17
1163	Collective Phenomena Emerging from the Interactions between Dynamical Processes in Multiplex Networks. Physical Review Letters, 2017, 118, 138302.	2.9	107
1164	Self-amplified Amazon forest loss due to vegetation-atmosphere feedbacks. Nature Communications, 2017, 8, 14681.	5.8	244
1165	Eradicating catastrophic collapse in interdependent networks via reinforced nodes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3311-3315.	3.3	97
1166	A Multilayer perspective for the analysis of urban transportation systems. Scientific Reports, 2017, 7, 44359.	1.6	95
1167	Clustering determines the dynamics of complex contagions in multiplex networks. Physical Review E, 2017, 95, 012312.	0.8	23
1168	Exotic phase transitions of $k$ -cores in clustered networks. Physical Review E, 2017, 95, 012314.	0.8	9
1170	The effects of local network structure on disease spread in coupled networks. Studies in Computational Intelligence, 2017, , 487-498.	0.7	1
1171	SFINA - Simulation Framework for Intelligent Network Adaptations. Simulation Modelling Practice and Theory, 2017, 72, 34-50.	2.2	8
1172	Learning the Structural Vocabulary of a Network. Neural Computation, 2017, 29, 287-312.	1.3	2
1173	Network reliability analysis with link and nodal weights and auxiliary nodes. Structural Safety, 2017, 65, 12-26.	2.8	82
1174	The unfolding and control of network cascades. Physics Today, 2017, 70, 32-39.	0.3	23
1175	Asynchronous updates can promote the evolution of cooperation on multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2017, 471, 607-619.	1.2	16
1176	The space of genotypes is a network of networks: implications for evolutionary and extinction dynamics. Scientific Reports, 2017, 7, 13813.	1.6	16
1177	Cascading failure and recovery of spatially interdependent networks. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 103208.	0.9	61

#	ARTICLE	IF	CITATIONS
1178	Robustness of complex networks with both unidirectional and bidirectional links against cascading failures. Modern Physics Letters B, 2017, 31, 1750252.	1.0	3
1179	Enhancing robustness of interdependent network under recovery based on a two-layer-protection strategy. Scientific Reports, 2017, 7, 12753.	1.6	14
1181	CONTROL ENERGY AND CONTROLLABILITY OF MULTILAYER NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2017, 20, 1750008.	0.9	12
1182	Generalized model for $k$ -core percolation and interdependent networks. Physical Review E, 2017, 96, 032317.	0.8	16
1183	Sample space reducing cascading processes produce the full spectrum of scaling exponents. Scientific Reports, 2017, 7, 11223.	1.6	16
1185	Robust routing in interdependent networks. , 2017, , .		3
1186	Structural Knockout Cascades in Metabolic Networks. Springer Theses, 2017, , 53-76.	0.0	0
1187	Tasks for Visual Analytics in Multilayer Networks. , 2017, , .		2
1188	Nonbacktracking expansion of finite graphs. Physical Review E, 2017, 95, 042322.	0.8	9
1189	Cascading failures in interdependent modular networks with partial random coupling preference. Modern Physics Letters B, 2017, 31, 1750267.	1.0	8
1190	Promoting information diffusion through interlayer recovery processes in multiplex networks. Physical Review E, 2017, 96, 032304.	0.8	17
1191	The interdependent network of gene regulation and metabolism is robust where it needs to be. Nature Communications, 2017, 8, 534.	5.8	53
1192	Effects of temporal correlations in social multiplex networks. Scientific Reports, 2017, 7, 8597.	1.6	27
1193	Network robustness assessed within a dual connectivity framework: joint dynamics of the Active and Idle Networks. Scientific Reports, 2017, 7, 8567.	1.6	6
1194	A review of cyber-physical energy system security assessment. , 2017, , .		15
1195	Robustness of networks with dependency topology. Europhysics Letters, 2017, 118, 36002.	0.7	6
1196	PageRank versatility analysis of multilayer modality-based network for exploring the evolution of oil-water slug flow. Scientific Reports, 2017, 7, 5493.	1.6	4
1197	Designing interconnected networks for improving robustness and efficiency. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
1198	Chimera states in a multilayer network of coupled and uncoupled neurons. <i>Chaos</i> , 2017, 27, 073109.	1.0	201
1199	Recent progress in econophysics: Chaos, leverage, and business cycles as revealed by agent-based modeling and human experiments. <i>Frontiers of Physics</i> , 2017, 12, 1.	2.4	2
1200	Network Anatomy Controlling Abrupt-like Percolation Transition. <i>Scientific Reports</i> , 2017, 7, 163.	1.6	4
1201	Center of mass in complex networks. <i>Scientific Reports</i> , 2017, 7, 40982.	1.6	3
1202	Hierarchical Decomposition for Betweenness Centrality Measure of Complex Networks. <i>Scientific Reports</i> , 2017, 7, 46491.	1.6	34
1203	Synchronized and mixed outbreaks of coupled recurrent epidemics. <i>Scientific Reports</i> , 2017, 7, 2424.	1.6	11
1204	Universal mechanism for hybrid percolation transitions. <i>Scientific Reports</i> , 2017, 7, 5723.	1.6	31
1205	Emergence of hysteresis loop in social contagions on complex networks. <i>Scientific Reports</i> , 2017, 7, 6103.	1.6	10
1206	Limits of Risk Predictability in a Cascading Alternating Renewal Process Model. <i>Scientific Reports</i> , 2017, 7, 6699.	1.6	7
1207	Enhanced robustness of evolving open systems by the bidirectionality of interactions between elements. <i>Scientific Reports</i> , 2017, 7, 6978.	1.6	4
1208	Emergent network modularity. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 073405.	0.9	11
1209	A stochastic model for cascading failures in smart grid under cyber attack. , 2017, , .		0
1210	Epidemic mitigation via awareness propagation in communication networks: the role of time scales. <i>New Journal of Physics</i> , 2017, 19, 073039.	1.2	15
1211	Optimal interdependence enhances the dynamical robustness of complex systems. <i>Physical Review E</i> , 2017, 96, 020301.	0.8	4
1212	Complex Network for Solar Active Regions. <i>Astrophysical Journal</i> , 2017, 845, 36.	1.6	13
1213	A molecular breadboard: Removal and replacement of subunits in a hepatitis B virus capsid. <i>Protein Science</i> , 2017, 26, 2170-2180.	3.1	22
1214	Introduction to the special issue on multilayer networks. <i>Network Science</i> , 2017, 5, 141-143.	0.8	9
1215	State of the Art of Multihazard Design. <i>Journal of Structural Engineering</i> , 2017, 143, .	1.7	37

#	ARTICLE	IF	CITATIONS
1216	Controlling percolation with limited resources. <i>Physical Review E</i> , 2017, 96, 062302.	0.8	4
1217	Cascading Failures as Continuous Phase-Space Transitions. <i>Physical Review Letters</i> , 2017, 119, 248302.	2.9	29
1218	Time-varying multiplex network: Intralayer and interlayer synchronization. <i>Physical Review E</i> , 2017, 96, 062308.	0.8	70
1219	Resilient and Low-Latency Information Acquisition for FiWi Enhanced Smart Grid. <i>IEEE Network</i> , 2017, 31, 80-86.	4.9	15
1220	Efficient Infrastructure Restoration Strategies Using the Recovery Operator. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017, 32, 991-1006.	6.3	36
1221	Cascading collapse of online social networks. <i>Scientific Reports</i> , 2017, 7, 16743.	1.6	14
1222	Availability Study of the Italian Electricity SCADA System in the Cloud. <i>Lecture Notes in Computer Science</i> , 2017, , 201-212.	1.0	0
1223	Modeling and Analysis of Information Propagation Model of Online/Offline Network Based on Coupled Network. <i>Communications in Computer and Information Science</i> , 2017, , 16-25.	0.4	2
1224	Cascading Failures in Interdependent Networks with Multiple Supply-Demand Links and Functionality Thresholds. <i>Scientific Reports</i> , 2017, 7, 15059.	1.6	25
1225	Small vulnerable sets determine large network cascades in power grids. <i>Science</i> , 2017, 358, .	6.0	221
1226	Curtailing cascading failures. <i>Science</i> , 2017, 358, 860-861.	6.0	25
1227	Fundamental properties of cooperative contagion processes. <i>New Journal of Physics</i> , 2017, 19, 103041.	1.2	54
1228	Evolving power grids with self-organized intermittent strain releases: An analogy with sandpile models and earthquakes. <i>Physical Review E</i> , 2017, 96, 052312.	0.8	6
1229	Curing critical links in oscillator networks as power flow models. <i>New Journal of Physics</i> , 2017, 19, 013002.	1.2	12
1230	Optimal percolation on multiplex networks. <i>Nature Communications</i> , 2017, 8, 1540.	5.8	78
1231	Spreading of localized attacks in spatial multiplex networks. <i>New Journal of Physics</i> , 2017, 19, 073037.	1.2	44
1232	The relationship between the topology and synchronizability of partially interdependent networks. <i>Europhysics Letters</i> , 2017, 119, 40004.	0.7	4
1233	Relaxation time of the global order parameter on multiplex networks: The role of interlayer coupling in Kuramoto oscillators. <i>Physical Review E</i> , 2017, 96, 042312.	0.8	8

#	ARTICLE	IF	CITATIONS
1234	Hierarchy measurement for modeling network dynamics under directed attacks. <i>Physical Review E</i> , 2017, 96, 052307.	0.8	2
1235	Critical phenomena of a hybrid phase transition in cluster merging dynamics. <i>Physical Review E</i> , 2017, 96, 042148.	0.8	5
1236	Deployment of check-in nodes in complex networks. <i>Scientific Reports</i> , 2017, 7, 40428.	1.6	7
1237	Generalized $k$ -core pruning process on directed networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 063407.	0.9	5
1238	A Survey on Fault Management in Software-Defined Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2017, 19, 2284-2321.	24.8	92
1239	Towards Optimal Connectivity on Multi-Layered Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017, 29, 2332-2346.	4.0	20
1240	Hierarchical structures in Northern Hemispheric extratropical winter ocean-atmosphere interactions. <i>International Journal of Climatology</i> , 2017, 37, 3821-3836.	1.5	18
1241	Fluctuations in percolation of sparse complex networks. <i>Physical Review E</i> , 2017, 96, 012302.	0.8	17
1242	Shortest Paths in Multiplex Networks. <i>Scientific Reports</i> , 2017, 7, 2142.	1.6	13
1243	Appearance of Unstable Monopoly State Caused by Selective and Concentrative Mergers in Business Networks. <i>Scientific Reports</i> , 2017, 7, 5064.	1.6	11
1244	Percolation in Media with Columnar Disorder. <i>Journal of Statistical Physics</i> , 2017, 168, 731-745.	0.5	5
1245	Optimizing diffusion in multiplexes by maximizing layer dissimilarity. <i>Physical Review E</i> , 2017, 95, 052312.	0.8	11
1246	Analysis of area-to-area cascading failure rate for telecommunications networks. , 2017, , .		2
1247	Effects of degree variability and dependence on cascading failures: A case study of two interdependent systems. , 2017, , .		1
1248	First-order phase transition in a majority-vote model with inertia. <i>Physical Review E</i> , 2017, 95, 042304.	0.8	37
1249	Controllability of giant connected components in a directed network. <i>Physical Review E</i> , 2017, 95, 042318.	0.8	24
1250	Geometric Correlations Mitigate the Extreme Vulnerability of Multiplex Networks against Targeted Attacks. <i>Physical Review Letters</i> , 2017, 118, 218301.	2.9	39
1251	Cross-Dependency Inference in Multi-Layered Networks. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2017, 11, 1-26.	2.5	5

#	ARTICLE	IF	CITATIONS
1252	Emergence of robustness in networks of networks. <i>Physical Review E</i> , 2017, 95, 062308.	0.8	7
1253	Parametric Analysis of Roadway Infrastructure Vulnerability to Disruptions. <i>Journal of Infrastructure Systems</i> , 2017, 23, 04017017.	1.0	3
1254	A hybrid queuing strategy for network traffic on scale-free networks. <i>Modern Physics Letters B</i> , 2017, 31, 1750083.	1.0	0
1255	Critical behavior of a two-step contagion model with multiple seeds. <i>Physical Review E</i> , 2017, 95, 062115.	0.8	10
1256	Modeling disruptions causing domino effects in urban guided transport systems faced by flood hazards. <i>Natural Hazards</i> , 2017, 86, 183-201.	1.6	16
1257	Group-based strategy diffusion in multiplex networks with weighted values. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 469, 148-156.	1.2	3
1258	Path-Based Epidemic Spreading in Networks. <i>IEEE/ACM Transactions on Networking</i> , 2017, 25, 565-578.	2.6	16
1259	A modeling and simulation framework for the reliability/availability assessment of a power transmission grid subject to cascading failures under extreme weather conditions. <i>Applied Energy</i> , 2017, 185, 267-279.	5.1	131
1260	Network topology and resilience analysis of South Korean power grid. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 465, 13-24.	1.2	79
1261	Prisoner's dilemma game model for e-commerce. <i>Applied Mathematics and Computation</i> , 2017, 292, 128-144.	1.4	17
1262	Inferring the reputation enhances the cooperation in the public goods game on interdependent lattices. <i>Applied Mathematics and Computation</i> , 2017, 293, 18-29.	1.4	116
1263	Behavior-based cellular automaton model for pedestrian dynamics. <i>Applied Mathematics and Computation</i> , 2017, 292, 417-424.	1.4	35
1264	A quantitative method for assessing resilience of interdependent infrastructures. <i>Reliability Engineering and System Safety</i> , 2017, 157, 35-53.	5.1	299
1265	Complexity in future cities: the rise of networked infrastructure. <i>International Journal of Urban Sciences</i> , 2017, 21, 68-86.	1.3	35
1266	The influence of the depth of k-core layers on the robustness of interdependent networks against cascading failures. <i>International Journal of Modern Physics C</i> , 2017, 28, 1750020.	0.8	2
1267	A Networks Approach to Mythological Epics. <i>Understanding Complex Systems</i> , 2017, , 21-43.	0.3	1
1268	Evolution of Linux operating system network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 466, 249-258.	1.2	19
1269	Cascade of links in complex networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 263-269.	0.9	8

#	ARTICLE	IF	CITATIONS
1270	How market structure drives commodity prices. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 113405.	0.9	0
1271	Modeling cascading-failures in power grids including communication and human operator impacts. , 2017, , .		12
1272	Critical phenomena on k -booklets. Physical Review E, 2017, 95, 010102.	0.8	6
1273	Cyber-physical system failure analysis based on Complex Network theory. , 2017, , .		10
1274	Improvement of the Measure of the Network Survival Rate and its Application to a Japanese Business Relations Network. , 2017, , .		0
1275	DoS attacks in electrical cyber-physical systems: A case study using TrueTime simulation tool. , 2017, , .		4
1276	Optimizing the resilience of interdependent infrastructure systems against intentional attacks. , 2017, , .		5
1277	Quenched mean-field theory for the majority-vote model on complex networks. Europhysics Letters, 2017, 120, 18003.	0.7	9
1278	Survivability of a metapopulation under local extinctions. Physical Review E, 2017, 96, 062212.	0.8	28
1279	Finite plateau in spectral gap of polychromatic constrained random networks. Physical Review E, 2017, 96, 062309.	0.8	3
1280	Economic networks: Heterogeneity-induced vulnerability and loss of synchronization. Chaos, 2017, 27, 126703.	1.0	13
1282	Disaster Ecology. , 0, , 44-59.		3
1283	On the Root Cause of Dropout-Induced Contraction Process in D2D-Based Mobile Social Networks. , 2017, , .		1
1284	Effective restoration strategies of interdependent power system and communication network. Journal of Engineering, 2017, 2017, 1760-1764.	0.6	18
1285	Tracking Information Flow in Cyber-Physical Systems. , 2017, , .		1
1286	Community detection in complex networks using flow simulation. , 2017, , .		0
1287	Modeling impact of communication network failures on power grid reliability. , 2017, , .		18
1288	On the Effectiveness of Link Addition for Improving Robustness of Multiplex Networks against Layer Node-Based Attack. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
1289	Modeling of cascading failures in cyber-coupled power systems. , 2017, , .		2
1290	A time delay model of the wide area monitoring and control system. , 2017, , .		1
1291	Direct cyber-power interdependency study on microgrid control. , 2017, , .		2
1292	Attack vulnerability of interdependent local-world networks: The effect of degree heterogeneity. , 2017, , .		1
1293	Evaluating the differences between direct and indirect interdependencies and their impact on reliability in cyber-power networks. , 2017, , .		2
1294	Systems Engineering of Interdependent Food, Energy, and Water Infrastructure for Cities and Displaced Populations. , 2017, , .		3
1295	Stochastic failure dynamics in communication network under the influence of power failure. , 2017, , .		5
1296	Information cascades in complex networks. Journal of Complex Networks, 0, , .	1.1	78
1297	Cyber-physical security assessment and simulation based on graph database. , 2017, , .		1
1298	A future outlook for cyber-physical power system. , 2017, , .		14
1299	Vulnerability analysis of electrical cyber physical systems using a simulation platform. , 2017, , .		7
1300	Discovering Community Structure in Multilayer Networks. , 2017, , .		15
1301	Critical appraisal of tools and methodologies for studies of cascading failures in coupled critical infrastructure systems. , 2017, , .		5
1302	Risk assessment for the cascading failure of electric cyber-physical system considering multiple information factors. IET Cyber-Physical Systems: Theory and Applications, 2017, 2, 155-160.	1.9	14
1303	Cascading failure initially from power grid in interdependent networks. , 2017, , .		1
1304	Resilience analytics of networks with dependency groups. , 2017, , .		2
1305	A routing optimization model for EMS of power systems considering cyber-physical interdependence. , 2017, , .		2
1306	Multilayer MANET routing with social-cognitive learning. , 2017, , .		6



#	ARTICLE	IF	CITATIONS
1307	Balancing interdependent networks: Theory and algorithm. , 2017, , .		0
1308	Controlling Cascading Failures in Interdependent Networks under Incomplete Knowledge. , 2017, , .		11
1309	Performance of attack strategies on modular networks. Journal of Complex Networks, 2017, 5, 913-923.	1.1	7
1310	Survivability Analysis on a Cyber-Physical System. Machines, 2017, 5, 17.	1.2	3
1311	An Approach for Understanding and Promoting Coal Mine Safety by Exploring Coal Mine Risk Network Complexity, 2017, 2017, 1-17.	0.9	22
1312	Robustness of multiple interdependent networks under shell attack. , 2017, , .		2
1313	Research on the Robustness of Interdependent Networks under Localized Attack. Applied Sciences (Switzerland), 2017, 7, 597.	1.3	7
1314	Node Importance Ranking of Complex Networks with Entropy Variation. Entropy, 2017, 19, 303.	1.1	44
1315	Modeling and Vulnerability Analysis of Cyber-Physical Power Systems Considering Network Topology and Power Flow Properties. Energies, 2017, 10, 87.	1.6	43
1316	Big Is Fragile. , 2017, , .		7
1317	The Multiplex Dependency Structure of Financial Markets. Complexity, 2017, 2017, 1-13.	0.9	49
1318	Robustness of Dengue Complex Network under Targeted versus Random Attack. Complexity, 2017, 2017, 1-12.	0.9	24
1319	Air Transport versus High-Speed Rail: An Overview and Research Agenda. Journal of Advanced Transportation, 2017, 2017, 1-18.	0.9	43
1320	Complexity and Vulnerability Analysis of Critical Infrastructures: A Methodological Approach. Mathematical Problems in Engineering, 2017, 2017, 1-12.	0.6	11
1321	Vulnerability Analysis of Interdependent Scale-Free Networks with Complex Coupling. Journal of Electrical and Computer Engineering, 2017, 2017, 1-5.	0.6	1
1322	Survey on multilayer networks visualization. , 2017, , .		1
1323	Overload-based cascades on multiplex networks and effects of inter-similarity. PLoS ONE, 2017, 12, e0189624.	1.1	11
1324	Analysis of cascading failure of circuit systems based on load-capacity model of complex network. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
1325	Optimal design of coupling preferences to mitigate traffic congestion in interconnected networks. , 2017, , .		0
1326	Designing optimal interlink structures for interdependent networks under budget constraints. , 2017, , .		2
1327	How they interact? Understanding cyber and physical interactions against fault propagation in smart grid. , 2017, , .		2
1328	Enhancing the robustness of interdependent cyber-physical systems by designing the interdependency relationship. , 2017, , .		3
1329	Establishing the community structure of signed interconnected graph in data. , 2017, , .		0
1330	A robustness optimization method of network based on load entropy. , 2017, , .		0
1331	Topology inference of multilayer networks. , 2017, , .		9
1332	Graph-theoretic approach for security of Internet of Things. , 2017, , .		3
1333	Multi-Universality and Localized Attacks in Spatially Embedded Networks. , 2017, , .		6
1334	Complex Design Networks: Structure and Dynamics. SSRN Electronic Journal, 2017, , .	0.4	2
1335	Evaluation of Node Importance Based on Information Theory in Cyber-Physical System. , 2017, , .		2
1336	Prevention of Disaster Impact and Outcome Cascades. , 2016, , 492-519.		5
1337	A platform for reshaping organizational networks. , 2017, , .		1
1338	Metastable state en route to traveling-wave synchronization state. Physical Review E, 2018, 97, 020203.	0.8	12
1339	Proposal of Strategic Link Addition for Improving the Robustness of Multiplex Networks. Springer Proceedings in Complexity, 2018, , 75-84.	0.2	1
1340	Influence of stochastic perturbations on the cluster explosive synchronization of second-order Kuramoto oscillators on networks. Physical Review E, 2018, 97, 022220.	0.8	6
1341	Rare events and discontinuous percolation transitions. Physical Review E, 2018, 97, 022314.	0.8	27
1342	Optimal Dismantling of Interdependent Networks Based on Inverse Explosive Percolation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 953-957.	2.2	13

#	ARTICLE	IF	CITATIONS
1343	Total systemic failure?. Science of the Total Environment, 2018, 626, 684-688.	3.9	7
1344	Systems Thinking and Complexity Science and the Relevance of Big Data Analytics, Intelligence Functions, and Simulation Models. Urban Book Series, 2018, , 297-369.	0.3	2
1345	An optimization model for power grid fortification to maximize attack immunity. International Journal of Electrical Power and Energy Systems, 2018, 99, 594-602.	3.3	19
1346	Complex Networks IX. Springer Proceedings in Complexity, 2018, , .	0.2	1
1347	Detecting the urban traffic network structure dynamics through the growth and analysis of multi-layer networks. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 800-817.	1.2	50
1348	Cascading failures in interdependent systems under a flow redistribution model. Physical Review E, 2018, 97, 022307.	0.8	42
1349	Resilience of networks to environmental stress: From regular to random networks. Physical Review E, 2018, 97, 042313.	0.8	9
1350	Effect of network structural perturbations on spiral wave patterns. Nonlinear Dynamics, 2018, 93, 1671-1680.	2.7	10
1351	Vulnerability analysis of interdependent R&D networks under risk cascading propagation. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 1056-1068.	1.2	13
1352	An efficient routing strategy for traffic dynamics on two-layer complex networks. International Journal of Modern Physics B, 2018, 32, 1850155.	1.0	21
1353	Effect of interaction strength on robustness of controlling edge dynamics in complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 497, 246-257.	1.2	4
1354	Interval stability for complex systems. New Journal of Physics, 2018, 20, 043040.	1.2	12
1355	Spontaneous repulsion in the reaction on coupled networks. Physical Review E, 2018, 97, 040301.	0.8	18
1356	Topological resilience in non-normal networked systems. Physical Review E, 2018, 97, 042302.	0.8	29
1357	The impact of margin trading on share price evolution: A cascading failure model investigation. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 69-76.	1.2	12
1358	Cascade phenomenon against subsequent failures in complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 472-480.	1.2	18
1359	The "weak" interdependence of infrastructure systems produces mixed percolation transitions in multilayer networks. Scientific Reports, 2018, 8, 2111.	1.6	45
1360	Comparing the Effects of Failures in Power Grids Under the AC and DC Power Flow Models. IEEE Transactions on Network Science and Engineering, 2018, 5, 301-312.	4.1	55

#	ARTICLE	IF	CITATIONS
1361	Critical Links Identification for Selective Outages in Interdependent Power-Communication Networks. IEEE Transactions on Industrial Informatics, 2018, 14, 472-483.	7.2	30
1362	Resilience management during large-scale epidemic outbreaks. Scientific Reports, 2018, 8, 1859.	1.6	67
1363	Vulnerability of Interdependent Urban Infrastructure Networks: Equilibrium after Failure Propagation and Cascading Impacts. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 300-315.	6.3	32
1364	Security Investment in Contagious Networks. Risk Analysis, 2018, 38, 1559-1575.	1.5	7
1365	Structural robustness and service reachability in urban settings. Data Mining and Knowledge Discovery, 2018, 32, 830-847.	2.4	6
1366	Computer Science and Engineering Theory and Applications. Studies in Systems, Decision and Control, 2018, , .	0.8	1
1367	Connectivity in Complex Networks. , 2018, , .		1
1368	Multi-layered Network Modeled with MAS and Network Theory. Studies in Systems, Decision and Control, 2018, , 103-125.	0.8	0
1369	Stability of a giant connected component in a complex network. Physical Review E, 2018, 97, 012309.	0.8	39
1370	Best effort broadcast under cascading failures in interdependent critical infrastructure networks. Pervasive and Mobile Computing, 2018, 43, 114-130.	2.1	4
1371	Robustness analysis of interdependent networks under multiple-attacking strategies. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 495-504.	1.2	34
1372	A foundational framework for smart sustainable city development: Theoretical, disciplinary, and discursive dimensions and their synergies. Sustainable Cities and Society, 2018, 38, 758-794.	5.1	174
1373	A Future-Oriented Agent-Based Simulation to Improve Urban Critical Infrastructure Resilience. Urban Book Series, 2018, , 261-284.	0.3	4
1374	Frequency-based brain networks: From a multiplex framework to a full multilayer description. Network Neuroscience, 2018, 2, 418-441.	1.4	56
1375	Improving the Chilean Internet Robustness: Increase the Interdependencies or Change the Shape of the Country?. Studies in Computational Intelligence, 2018, , 646-657.	0.7	0
1376	Cascading crashes induced by the individual heterogeneity in complex networks. Applied Mathematics and Computation, 2018, 323, 182-192.	1.4	13
1377	Multiobjective Formulation for Protection Allocation in Interdependent Infrastructure Networks Using an Attack-Diffusion Model. Journal of Infrastructure Systems, 2018, 24, .	1.0	2
1378	Industrial Engineering in the Industry 4.0 Era. Lecture Notes in Management and Industrial Engineering, 2018, , .	0.3	3

#	ARTICLE	IF	CITATIONS
1379	Dynamical processes and epidemic threshold on nonlinear coupled multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 496, 330-338.	1.2	14
1380	Social contagions on correlated multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 499, 121-128.	1.2	56
1381	From Maps to Multi-dimensional Network Mechanisms of Mental Disorders. <i>Neuron</i> , 2018, 97, 14-31.	3.8	146
1382	Understanding cascading failures through a vulnerability analysis of interdependent ship-centric distributed systems using networks. <i>Ocean Engineering</i> , 2018, 150, 36-47.	1.9	12
1383	Urban Disaster Resilience and Security. <i>Urban Book Series</i> , 2018, , .	0.3	15
1384	Modelling Spreading Process Induced by Agent Mobility in Complex Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2018, 5, 336-349.	4.1	5
1385	Attack Vulnerability of Power Systems Under an Equal Load Redistribution Model. <i>IEEE/ACM Transactions on Networking</i> , 2018, 26, 1306-1319.	2.6	15
1386	Emerging topics in Internet technology: A complex networks approach. <i>Internet Technology Letters</i> , 2018, 1, e41.	1.4	8
1387	Bribery games on interdependent complex networks. <i>Journal of Theoretical Biology</i> , 2018, 450, 43-52.	0.8	13
1388	Discovering the structure of cascade propagation in power grids. , 2018, , .		0
1389	Planning for electric vehicle needs by coupling charging profiles with urban mobility. <i>Nature Energy</i> , 2018, 3, 484-493.	19.8	94
1390	Characterization and prediction of the airport operational saturation. <i>Journal of Air Transport Management</i> , 2018, 69, 147-172.	2.4	25
1391	Robustness of networks with assortative dependence groups. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 502, 195-200.	1.2	16
1392	Group percolation in interdependent networks. <i>Physical Review E</i> , 2018, 97, 032306.	0.8	59
1393	Financial networks and stress testing: Challenges and new research avenues for systemic risk analysis and financial stability implications. <i>Journal of Financial Stability</i> , 2018, 35, 6-16.	2.6	76
1394	Analysis, calculation and utilization of the k-balance attribute in interdependent networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1275-1282.	0.9	1
1395	Enhancing robustness of interdependent network by adding connectivity and dependence links. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 497, 185-197.	1.2	39
1396	Resilience of the U.S. National Airspace System Airport Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 3785-3794.	4.7	53

#	ARTICLE	IF	CITATIONS
1397	Electrical and topological drivers of the cascading failure dynamics in power transmission networks. Reliability Engineering and System Safety, 2018, 175, 196-206.	5.1	59
1398	Master stability functions reveal diffusion-driven pattern formation in networks. Physical Review E, 2018, 97, 032307.	0.8	32
1399	Observability transition in multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 745-761.	1.2	3
1400	Null Model and Community Structure in Multiplex Networks. Scientific Reports, 2018, 8, 3245.	1.6	12
1401	Power System Structural Vulnerability Assessment Based on an Improved Maximum Flow Approach. IEEE Transactions on Smart Grid, 2018, 9, 777-785.	6.2	91
1402	Power Grid State Estimation Following a Joint Cyber and Physical Attack. IEEE Transactions on Control of Network Systems, 2018, 5, 499-512.	2.4	57
1403	Dynamic Load Altering Attacks Against Power System Stability: Attack Models and Protection Schemes. IEEE Transactions on Smart Grid, 2018, 9, 2862-2872.	6.2	133
1404	Financial stability in networks of financial institutions and market infrastructures. Journal of Financial Stability, 2018, 35, 120-135.	2.6	42
1405	Multiplex interbank networks and systemic importance: An application to European data. Journal of Financial Stability, 2018, 35, 17-37.	2.6	88
1406	Interdependencies and reliability in the combined ICT and power system: An overview of current research. Applied Computing and Informatics, 2018, 14, 17-27.	3.7	45
1407	Compressive-Sensing-Based Structure Identification for Multilayer Networks. IEEE Transactions on Cybernetics, 2018, 48, 754-764.	6.2	129
1408	Modeling of Interconnected Critical Infrastructure Systems Using Complex Network Theory. IEEE Transactions on Smart Grid, 2018, 9, 4637-4648.	6.2	60
1409	Robustness of Interdependent Power Grids and Communication Networks: A Complex Network Perspective. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 115-119.	2.2	194
1410	Combined effects of load dynamics and dependence clusters on cascading failures in network systems. Reliability Engineering and System Safety, 2018, 170, 116-126.	5.1	53
1411	The relationship between synchronization and percolation for regular networks. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 375-381.	1.2	13
1412	Correlation of cascade failures and centrality measures in complex networks. Future Generation Computer Systems, 2018, 83, 390-400.	4.9	51
1413	Information spreading in complex networks with participation of independent spreaders. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 21-27.	1.2	10
1414	Robustness of networks formed from interdependent correlated networks under intentional attacks. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 329-339.	1.2	9

#	ARTICLE	IF	CITATIONS
1415	Dynamic robustness of knowledge collaboration network of open source product development community. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 601-612.	1.2	11
1416	Comparison between global financial crisis and local stock disaster on top of Chinese stock network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 222-230.	1.2	29
1417	Ferromagnetic transition in a simple variant of the Ising model on multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 534-552.	1.2	4
1418	Restoration resource allocation model for enhancing resilience of interdependent infrastructure systems. <i>Safety Science</i> , 2018, 102, 169-177.	2.6	56
1419	Network science of biological systems at different scales: A review. <i>Physics of Life Reviews</i> , 2018, 24, 118-135.	1.5	305
1420	False Positive and False Negative Effects on Network Attacks. <i>Journal of Statistical Physics</i> , 2018, 170, 141-164.	0.5	22
1421	Improving robustness of interdependent networks by a new coupling strategy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 1075-1080.	1.2	40
1422	Alleviate cascade with fault pair in interdependent smart grid: a communication view. <i>International Journal of Modelling and Simulation</i> , 2018, 38, 96-106.	2.3	2
1423	Predicting catastrophes of non-autonomous networks with visibility graphs and horizontal visibility. <i>Mechanical Systems and Signal Processing</i> , 2018, 104, 494-502.	4.4	7
1424	Rumor spreading in interdependent social networks. <i>Peer-to-Peer Networking and Applications</i> , 2018, 11, 955-965.	2.6	9
1425	The effects of global awareness on the spreading of epidemics in multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 1495-1506.	1.2	19
1426	Raptor: a network tool for mitigating the impact of spatially correlated failures in infrastructure networks. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2018, 73, 153-164.	1.6	0
1427	Approximation methods for the stability analysis of complete synchronization on duplex networks. <i>Chaos, Solitons and Fractals</i> , 2018, 106, 23-27.	2.5	7
1428	Cascading Failures in Interdependent Systems: Impact of Degree Variability and Dependence. <i>IEEE Transactions on Network Science and Engineering</i> , 2018, 5, 127-140.	4.1	21
1429	Modeling and Analysis of Cascading Failures in Interdependent Cyber-Physical Systems. , 2018, , .		9
1431	Tensor-based Spectral Analysis of Cascading Failures over Multilayer Complex Systems. , 2018, , .		4
1432	Evolution of cooperation driven by majority-pressure based interdependence. <i>New Journal of Physics</i> , 2018, 20, 083047.	1.2	7
1433	Exploring Urban Spatial Hotspotsâ€™ Properties Using Inter-Connected User-Location Networks. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1434	Perspective: organisations as complex systems. <i>Civil Engineering and Environmental Systems</i> , 2018, 35, 1-5.	0.4	2
1435	Mapping and Modeling Interdependent Power, Water, and Gas Infrastructures. , 2018, , .		6
1436	Epidemic Spreading in Interdependent Networks. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	0.6	4
1437	Network Foundation for Command and Control (C2) Systems: Literature Review. <i>IEEE Access</i> , 2018, 6, 68782-68794.	2.6	14
1438	Infrastructure as a Complex Adaptive System. <i>Complexity</i> , 2018, 2018, 1-11.	0.9	42
1439	Aviation Transportation, Cyber Threats, and Network-of-Networks: Modeling Perspectives for Translating Theory to Practice. , 2018, , .		1
1440	Vulnerability Analysis Based on Different Adjustment Strategies. , 2018, , .		0
1441	Modeling Rumor Spreading with Repeated Propagations in Multilayer Online Social Networks. , 2018, , .		2
1442	Study on the cascading failure model of double-layer coupling network. , 2018, , .		0
1443	On Accelerating Multi-Layered Heterogeneous Network Embedding Learning. , 2018, , .		0
1444	A Conceptual Model for Urban Interdependent Technical and Social Infrastructure Systems. , 2018, , .		2
1445	Using Massively Multiplayer Online Game Data to Analyze the Dynamics of Social Interactions. , 0, , 375-416.		4
1446	Realtime Robustification of Interdependent Networks under Cascading Attacks. , 2018, , .		4
1447	Chromatic transitions in the emergence of syntax networks. <i>Royal Society Open Science</i> , 2018, 5, 181286.	1.1	3
1448	Coevolutionary resolution of the public goods dilemma in interdependent structured populations. <i>Europhysics Letters</i> , 2018, 124, 48003.	0.7	56
1449	Attributed Multi-layer Network Embedding. , 2018, , .		3
1450	Topology Design Based on User Relationship for Cascading Failure in D2D-Based Social Networking Service. , 2018, , .		2
1451	A reliable location model for heterogeneous systems under partial capacity losses. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 97, 235-257.	3.9	7



#	ARTICLE	IF	CITATIONS
1452	Improving the Survivability of Interdependent Networks by Restructuring Dependencies. , 2018, , .		1
1453	Reliability Assessment of Distribution Network Considering Cyber Attacks. , 2018, , .		9
1454	Resilient Controller Location under Target Attacks. , 2018, , .		3
1455	Analyzing Power Gridsâ€™ Cascading Failures and Critical Components using Interaction Graphs. , 2018, , .		5
1456	Agent-based modelling and simulation of task execution and coordination in distributed organisations: the psychosocial dynamic interaction perspective. International Journal of Simulation and Process Modelling, 2018, 13, 604.	0.1	0
1457	Safety evaluation for evacuation system under serious emergency from interdependent network perspective. International Journal of Wireless and Mobile Computing, 2018, 14, 250.	0.1	2
1458	Gray-information-based robustness of interdependent networks under attack on edges. International Journal of Wireless and Mobile Computing, 2018, 15, 366.	0.1	0
1459	Cascading failures to attack on edges in interdependent networks. International Journal of Wireless and Mobile Computing, 2018, 14, 241.	0.1	1
1460	Random growth lattice filling model of percolation: a crossover from continuous to discontinuous transition. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 053206.	0.9	1
1461	Robustness modelling and assessment of interdependent smart grids. Energy Informatics, 2018, 1, .	1.4	0
1462	The Model of Interdependent Networks on China Power Grid. , 2018, , .		2
1463	Impact of Initial Stressor(s) on Cascading Failures in Power Grids. , 2018, , .		2
1464	Cascading Failure Analysis of Power-communication Networks Considering Packets Priorities. , 2018, , .		0
1465	Identification and Ranking of Vulnerable Interdependences in Cyber-Physical Power System. , 2018, , .		0
1466	Understanding coupling dynamics of public transportation networks. EPJ Data Science, 2018, 7, .	1.5	22
1467	Co-resilience Assessment of Hurricane-induced Power Grid and Roadway Network Disruptions: A Case Study in Florida with a Focus on Critical Facilities. , 2018, , .		11
1468	Multivariate Multiscale Recurrence Network Analysis for Characterizing Near-surface 3D Wind Speed Time Series in Different Environments*. , 2018, , .		1
1469	Shortest Path Algorithm Based on Community Detection. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1470	Designing Interdependent Networks against Cascading Failures with Node Protections. , 2018, , .		1
1471	Reliability evaluation of wireless multimedia sensor networks based on instantaneous availability. International Journal of Distributed Sensor Networks, 2018, 14, 155014771881069.	1.3	10
1472	A Novel Index for Assessing the Robustness of Integrated Electrical Network and a Natural Gas Network. IEEE Access, 2018, 6, 40400-40410.	2.6	19
1473	Cascading failures of spatially embedded cyber physical power system under localized attacks. , 2018, , .		2
1474	Optimal positioning of storage systems in microgrids based on complex networks centrality measures. Scientific Reports, 2018, 8, 16658.	1.6	13
1475	Centralities of nodes and influences of layers in large multiplex networks. Journal of Complex Networks, 2018, 6, 733-752.	1.1	48
1476	Resilience and the Coevolution of Interdependent Multiplex Networks. , 2018, , .		1
1477	Identifying Node Importance in a Complex Network Based on Node Bridging Feature. Applied Sciences (Switzerland), 2018, 8, 1914.	1.3	8
1478	Percolation of hierarchical networks and networks of networks. Physical Review E, 2018, 98, .	0.8	18
1479	Heterogeneous behavioral adoption in multiplex networks. New Journal of Physics, 2018, 20, 125002.	1.2	25
1480	Critical phenomena of information spreading dynamics on networks with cliques. Physical Review E, 2018, 98, .	0.8	28
1481	Vulnerability Assessment Method for Cyber Physical Power System Considering Node Heterogeneity. , 2018, , .		3
1482	Topological percolation on hyperbolic simplicial complexes. Physical Review E, 2018, 98, .	0.8	40
1483	Number versus structure: towards citing cascades. Scientometrics, 2018, 117, 2177-2193.	1.6	11
1484	Popularity enhances the interdependent network reciprocity. New Journal of Physics, 2018, 20, 123012.	1.2	45
1485	Efficient Interconnectivity Among Networks Under Security Constraint. , 2018, , .		3
1486	The Aftermath of Broken Links: Resilience of IoT Systems from a Networking Perspective. , 2018, , .		1
1487	Measuring science in our highly digitized world. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1488	Altered Functional Network Affects Amyloid and Structural Covariance in Alzheimer's Disease. BioMed Research International, 2018, 2018, 1-12.	0.9	14
1489	Social contagions with communication channel alternation on multiplex networks. Physical Review E, 2018, 98, .	0.8	30
1490	Fractional Dynamics of Individuals in Complex Networks. Frontiers in Physics, 2018, 6, .	1.0	14
1492	Controlling the uncertain response of real multiplex networks to random damage. Physical Review E, 2018, 98, .	0.8	16
1493	Bond and site color-avoiding percolation in scale-free networks. Physical Review E, 2018, 98, .	0.8	9
1494	Evaluation of Cascade Effects for Transit Networks. AIRO Springer Series, 2018, , 103-110.	0.4	0
1495	Optimal disintegration strategy in multiplex networks. Chaos, 2018, 28, 121104.	1.0	15
1496	A Compensation Method Based Assessment of Cyber Contingency for Cyber-Physical Power Systems. , 2018, , .		2
1498	Structure and dynamical behavior of non-normal networks. Science Advances, 2018, 4, eaau9403.	4.7	70
1499	The role of bridge nodes between layers on epidemic spreading. New Journal of Physics, 2018, 20, 125003.	1.2	13
1500	Climate network percolation reveals the expansion and weakening of the tropical component under global warming. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12128-E12134.	3.3	26
1501	A Review and Prospect for the Complexity and Resilience of Urban Public Transit Network Based on Complex Network Theory. Complexity, 2018, 2018, 1-36.	0.9	21
1502	Social influence preserves cooperative strategies in the conditional cooperators public goods game on a multiplex network. Physical Review E, 2018, 98, .	0.8	13
1503	The Radiation-Transmission-Reception (RTR) model of propagation: Implications for the effectiveness of network interventions. PLoS ONE, 2018, 13, e0207865.	1.1	6
1504	Spontaneous symmetry breaking and discontinuous phase transition for spreading dynamics in multiplex networks. New Journal of Physics, 2018, 20, 125006.	1.2	7
1505	Critical Nodes Identification of Power Grids Based on Network Efficiency. IEICE Transactions on Information and Systems, 2018, E101.D, 2762-2772.	0.4	4
1506	Suppression effect on the Berezinskii-Kosterlitz-Thouless transition in growing networks. Physical Review E, 2018, 98, .	0.8	7
1507	Reaction-diffusion on random spatial networks with scale-free jumping rates via effective medium theory. Physical Review E, 2018, 98, .	0.8	1

#	ARTICLE	IF	CITATIONS
1508	Universality and scaling laws in the cascading failure model with healing. <i>Physical Review E</i> , 2018, 98, .	0.8	6
1509	Cascading failure in multilayer networks with dynamic dependency groups. <i>Chinese Physics B</i> , 2018, 27, 098901.	0.7	12
1510	A study of cascading failures in real and synthetic power grid topologies. <i>Network Science</i> , 2018, 6, 448-468.	0.8	8
1511	Robustness of Cyber-Physical Systems against Simultaneous, Sequential and Composite Attack. <i>Electronics (Switzerland)</i> , 2018, 7, 196.	1.8	5
1512	Internal interaction changes within the mutation of SLC26A4 STAS domain. <i>Chemical Physics Letters</i> , 2018, 710, 226-233.	1.2	1
1513	Correlated network of networks enhances robustness against catastrophic failures. <i>PLoS ONE</i> , 2018, 13, e0195539.	1.1	20
1514	Resilience engineering: theory and practice in interdependent infrastructure systems. <i>Environment Systems and Decisions</i> , 2018, 38, 278-291.	1.9	42
1515	A multiple perspective method for urban subway network robustness analysis. <i>AIP Advances</i> , 2018, 8, .	0.6	2
1516	Structural resilience of spatial networks with inter-links behaving as an external field. <i>New Journal of Physics</i> , 2018, 20, 093003.	1.2	15
1517	Load Distribution-Based Research on a Cascading Failure Model of Network Public Opinion Dissemination. <i>IEEE Access</i> , 2018, 6, 35272-35282.	2.6	2
1518	Load-induced cascading failures in interconnected network systems. <i>International Journal of Modern Physics C</i> , 2018, 29, 1850073.	0.8	3
1519	Decremental dynamic algorithm to trace mutually connected clusters. <i>SoftwareX</i> , 2018, 7, 273-280.	1.2	1
1520	Modeling cascading failures and mitigation strategies in PMU based cyber-physical power systems. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018, 6, 944-957.	3.3	39
1521	Quantum transport on modified multilayered spiderwebs. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 495301.	0.7	3
1522	Analysing robustness in intra-dependent and inter-dependent networks using a new model of interdependency. <i>International Journal of Critical Infrastructures</i> , 2018, 14, 156.	0.1	2
1523	Evaluation of ENSO simulations in CMIP5 models: A new perspective based on percolation phase transition in complex networks. <i>Scientific Reports</i> , 2018, 8, 14912.	1.6	13
1524	Topological vulnerability of power grids to disasters: Bounds, adversarial attacks and reinforcement. <i>PLoS ONE</i> , 2018, 13, e0204815.	1.1	2
1525	Uniform redundancy allocation maximizes the robustness of flow networks against cascading failures. <i>Physical Review E</i> , 2018, 98, .	0.8	12

#	ARTICLE	IF	CITATIONS
1526	Exploiting Long Distance Connections to Strengthen Network Robustness. Lecture Notes in Computer Science, 2018, , 270-277.	1.0	3
1527	Robustness of spatial networks and networks of networks. Comptes Rendus Physique, 2018, 19, 233-243.	0.3	11
1528	Abnormal dynamics of cascading edge failures with congestion effect. International Journal of Modern Physics C, 2018, 29, 1850095.	0.8	1
1529	A Complex Network Theory-Based Modeling Framework for Unmanned Aerial Vehicle Swarms. Sensors, 2018, 18, 3434.	2.1	18
1530	The demise of Angkor: Systemic vulnerability of urban infrastructure to climatic variations. Science Advances, 2018, 4, eaau4029.	4.7	34
1531	Community detection for multi-layer social network based on local random walk. Journal of Visual Communication and Image Representation, 2018, 57, 91-98.	1.7	16
1532	Dynamic Defense Strategy against Stealth Malware Propagation in Cyber-Physical Systems. , 2018, , .		7
1533	Kernel-Based Semi-Supervised Learning Over Multilayer Graphs. , 2018, , .		6
1534	A contribution of axiomatic design principles to the analysis and impact of attacks on critical infrastructures. International Journal of Critical Infrastructure Protection, 2018, 23, 21-32.	2.9	11
1535	Targeted damage to interdependent networks. Physical Review E, 2018, 98, .	0.8	20
1536	Towards the minimum-cost control of target nodes in directed networks with linear dynamics. Journal of the Franklin Institute, 2018, 355, 8141-8157.	1.9	4
1537	Pareto Optimality in Multilayer Network Growth. Physical Review Letters, 2018, 121, 128302.	2.9	9
1538	A Titration Mechanism Based Congestion Model. , 2018, , .		2
1539	Resilience of and recovery strategies for weighted networks. PLoS ONE, 2018, 13, e0203894.	1.1	14
1540	Synchronization in a temporal multiplex neuronal hypernetwork. Physical Review E, 2018, 98, .	0.8	65
1541	Connectivity in Interdependent Networks. IEEE/ACM Transactions on Networking, 2018, 26, 2090-2103.	2.6	6
1542	On hardening problems in critical infrastructure systems. International Journal of Critical Infrastructure Protection, 2018, 23, 49-67.	2.9	6
1543	Reliability of Critical Infrastructure Networks: Challenges. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
1544	Characterizing the Analogy Between Hyperbolic Embedding and Community Structure of Complex Networks. <i>Physical Review Letters</i> , 2018, 121, 098301.	2.9	37
1545	Analysis of Network Instantaneous Availability Based on Percolation Theory. , 2018, , .		0
1546	Spin glass transition in a simple variant of the Ising model on multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 773-790.	1.2	2
1547	The robustness of interdependent weighted networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 508, 675-680.	1.2	18
1548	Dynamically induced cascading failures in power grids. <i>Nature Communications</i> , 2018, 9, 1975.	5.8	156
1549	Optimal resource allocation in interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 508, 104-110.	1.2	14
1550	Core structure: The coupling failure procedure in multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 507, 1-11.	1.2	1
1551	Social contagions on multiplex networks with different reliability. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 728-735.	1.2	2
1552	Network overload due to massive attacks. <i>Physical Review E</i> , 2018, 97, 052309.	0.8	18
1553	L0 norm constraint based external control source allocation for the minimum cost control of directed networks. <i>ISA Transactions</i> , 2018, 76, 88-96.	3.1	5
1554	Optimal Coupling Patterns in Interconnected Communication Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018, 65, 1109-1113.	2.2	26
1555	Algorithm for multiplex network generation with shared links. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 945-954.	1.2	12
1556	On restorability of electricity distribution and telecommunication networks by remote operations. , 2018, , .		1
1557	Resilience analytics: coverage and robustness in multi-modal transportation networks. <i>EPJ Data Science</i> , 2018, 7, .	1.5	22
1558	Multi-games on interdependent networks and the evolution of cooperation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 510, 83-90.	1.2	13
1559	Theories for Influencer Identification in Complex Networks. <i>Computational Social Sciences</i> , 2018, , 125-148.	0.4	29
1560	Valuing electricity-dependent infrastructure: An essential-input approach. <i>Energy Economics</i> , 2018, 73, 258-273.	5.6	7
1562	A modeling approach for dependability analysis of smart distribution grids. , 2018, , .		8

#	ARTICLE	IF	CITATIONS
1563	Toward Stronger Robustness of Network Controllability: A Snapback Network Model. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2983-2991.	3.5	42
1564	Underestimated Cost of Targeted Attacks on Complex Networks. Complexity, 2018, 2018, 1-15.	0.9	21
1566	Design of survivable networks in the presence of aging. Europhysics Letters, 2018, 122, 36003.	0.7	4
1567	A Network-Based Impact Measure for Propagated Losses in a Supply Chain Network Consisting of Resilient Components. Complexity, 2018, 2018, 1-13.	0.9	4
1568	Recent Advances of Percolation Theory in Complex Networks. Journal of the Korean Physical Society, 2018, 73, 152-164.	0.3	40
1569	A systems framework for national assessment of climate risks to infrastructure. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170298.	1.6	46
1570	Research on Vulnerability of Space Information Network Based on Interdependent Networks. , 2018, , .		1
1571	Multiplex Decomposition of Non-Markovian Dynamics and the Hidden Layer Reconstruction Problem. Physical Review X, 2018, 8, .	2.8	16
1572	Finding overlapping communities in multilayer networks. PLoS ONE, 2018, 13, e0188747.	1.1	29
1573	Vulnerability of Interdependent Networks with Heterogeneous Cascade Models and Timescales. , 2018, , .		3
1574	Cascading Failure Based on Load Redistribution of a Smart Grid with Different Coupling Modes. Lecture Notes in Computer Science, 2018, , 328-340.	1.0	4
1575	On the edgesâ€™ PageRank and line graphs. Chaos, 2018, 28, 075503.	1.0	8
1576	Topological resilience in non-normal networked systems. , 2018, , .		0
1577	Cyberâ€™physical interactions in power systems: A review of models, methods, and applications. Electric Power Systems Research, 2018, 163, 396-412.	2.1	90
1578	Cascading failures of $k$ uniform hyper-network based on the hyper adjacent matrix. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 281-289.	1.2	12
1579	Models of Coupled Settlement and Habitat Networks for Biodiversity Conservation: Conceptual Framework, Implementation and Potential Applications. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	7
1580	An approach for cascading effects within critical infrastructure systems. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 164-177.	1.2	42
1581	The Science of Science and a Multilayer Network Approach to Scientists' Ranking. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
1582	Uncertainty Management at the Airport Transit View. Aerospace, 2018, 5, 59.	1.1	5
1583	Vulnerability Assessment of Electrical Cyber-Physical Systems against Cyber Attacks. Applied Sciences (Switzerland), 2018, 8, 768.	1.3	6
1584	On the Robustness of No-Feedback Interdependent Networks. Applied Sciences (Switzerland), 2018, 8, 835.	1.3	0
1585	Distance Entropy Cartography Characterises Centrality in Complex Networks. Entropy, 2018, 20, 268.	1.1	26
1586	Finding minimum node separators: A Markov chain Monte Carlo method. Reliability Engineering and System Safety, 2018, 178, 225-235.	5.1	5
1587	Connectivity and coverage based protocols for wireless sensor networks. Ad Hoc Networks, 2018, 80, 54-69.	3.4	68
1588	Multiple robustness assessment method for understanding structural and functional characteristics of the power network. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 261-270.	1.2	10
1589	Performance of leader-following consensus on multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 1174-1182.	1.2	6
1590	Modeling joint restoration strategies for interdependent infrastructure systems. PLoS ONE, 2018, 13, e0195727.	1.1	19
1591	On the networked architecture of genotype spaces and its critical effects on molecular evolution. Open Biology, 2018, 8, .	1.5	41
1592	Dynamics of a Complex Multilayer Polymer Network: Mechanical Relaxation and Energy Transfer. Polymers, 2018, 10, 164.	2.0	4
1593	Changing Brain Networks Through Non-invasive Neuromodulation. Frontiers in Human Neuroscience, 2018, 12, 128.	1.0	78
1594	Multigames with voluntary participation on interdependent networks and the evolution of cooperation. Chaos, Solitons and Fractals, 2018, 114, 151-157.	2.5	11
1595	Competing contagion processes: Complex contagion triggered by simple contagion. Scientific Reports, 2018, 8, 10422.	1.6	37
1596	Averting Cascading Failures in Networked Infrastructures: Poset-Constrained Graph Algorithms. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 733-748.	7.3	16
1597	Multiple structural transitions in interacting networks. Physical Review E, 2018, 98, 012302.	0.8	4
1598	A novel epidemic model coupling the infectious disease with awareness diffusion on multiplex networks. , 2018, , .		3
1599	Two golden times in two-step contagion models: A nonlinear map approach. Physical Review E, 2018, 98, 012311.	0.8	7



#	ARTICLE	IF	CITATIONS
1600	Game Theory for Security and Risk Management. Static and Dynamic Game Theory: Foundations and Applications, 2018, , .	0.4	6
1602	Cascading Failure Analysis of Cyber Physical Power System With Multiple Interdependency and Control Threshold. IEEE Access, 2018, 6, 39353-39362.	2.6	33
1603	Structural Vulnerability of Complex Networks Under Multiple Edge-Based Attacks. , 2018, , .		3
1604	A new model to analyze power system dependencies. , 2018, , .		1
1605	Emergence of synchronization and regularity in firing patterns in time-varying neural hypernetworks. Physical Review E, 2018, 97, 052304.	0.8	55
1606	A New Metric to Find the Most Vulnerable Node in Complex Networks. , 2018, , .		4
1607	Spillover modes in multiplex games: double-edged effects on cooperation and their coevolution. Scientific Reports, 2018, 8, 6922.	1.6	5
1608	Network recovery based on system crash early warning in a cascading failure model. Scientific Reports, 2018, 8, 7443.	1.6	22
1609	A Koopman Operator Approach for Computing and Balancing Gramians for Discrete Time Nonlinear Systems. , 2018, , .		18
1610	Efficiency of complex networks under failures and attacks: A percolation approach. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 658-664.	1.2	19
1611	Interdependent networks in Economics and Financeâ€”A Physics approach. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 612-619.	1.2	8
1612	Augmentation of dynamical persistence in networks through asymmetric interaction. Europhysics Letters, 2018, 123, 30001.	0.7	20
1613	Uncertain human consequences in asteroid risk analysis and the global catastrophe threshold. Natural Hazards, 2018, 94, 759-775.	1.6	13
1614	Vulnerability analysis of an urban gas pipeline network considering pipeline-road dependency. International Journal of Critical Infrastructure Protection, 2018, 23, 79-89.	2.9	31
1615	Impact of local coupling on the vulnerability of 2D spatially embedded interdependent networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2544-2550.	0.9	1
1616	Efficient Reliability and Risk Analysis of Complex Interconnected Systems. , 2018, , .		0
1617	Altered topology of the functional speech production network in non-fluent/agrammatic variant of PPA. Cortex, 2018, 108, 252-264.	1.1	41
1618	An intermediary probability model for link prediction. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 902-912.	1.2	14

#	ARTICLE	IF	CITATIONS
1619	Phase diagram and metastability of the Ising model on two coupled networks. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 083404.	0.9	3
1620	Is city traffic damaged by torrential rain?. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 1073-1080.	1.2	11
1621	Network Geometry and Complexity. Journal of Statistical Physics, 2018, 173, 783-805.	0.5	30
1622	Onion-like networks are both robust and resilient. Scientific Reports, 2018, 8, 11241.	1.6	19
1623	Strategy for stopping failure cascades in interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2018, 508, 577-583.	1.2	35
1624	Robustness of reconfigurable complex systems by a multi-agent simulation: Application on power distribution systems. , 2018, , .		2
1625	Robustness of interdependent geometric networks under inhomogeneous failures. , 2018, , .		2
1626	Multi-Layered Network Embedding. , 2018, , 684-692.		39
1627	Measure of layer centrality in multilayer network. International Journal of Modern Physics C, 2018, 29, 1850051.	0.8	5
1628	Empirical Analyses of Networks in Finance. Handbook of Computational Economics, 2018, , 637-685.	1.6	18
1629	A network approach to decentralized coordination of energy production-consumption grids. PLoS ONE, 2018, 13, e0191495.	1.1	2
1630	The impact of partial capacity reduction on network vulnerability against cascading failure. International Journal of Critical Infrastructures, 2018, 14, 140.	0.1	0
1631	Resumption of dynamism in damaged networks of coupled oscillators. Physical Review E, 2018, 97, 052313.	0.8	23
1632	Hysteretic Percolation from Locally Optimal Individual Decisions. Physical Review Letters, 2018, 120, 248302.	2.9	10
1633	Understanding Compound, Interconnected, Interacting, and Cascading Risks: A Holistic Framework. Risk Analysis, 2018, 38, 2245-2257.	1.5	193
1634	Terrorist critical infrastructures, organizational capacity and security risk. Safety Science, 2018, 110, 121-130.	2.6	14
1635	Criticality assessment of urban interdependent lifeline systems using a biased PageRank algorithm and a multilayer weighted directed network model. International Journal of Critical Infrastructure Protection, 2018, 22, 100-112.	2.9	18
1636	Analysis of transmission-power-grid topology and scalability, the European case study. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 383-395.	1.2	14

#	ARTICLE	IF	CITATIONS
1637	How to Couple Two Networks for a Smart Grid. IEEE Access, 2018, 6, 34643-34650.	2.6	5
1638	Resilience of networks with community structure behaves as if under an external field. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6911-6915.	3.3	82
1639	A Learning-Based Method for Generating Synthetic Power Grids. IEEE Systems Journal, 2019, 13, 625-634.	2.9	22
1640	Stochastic Optimal Power Flow Under Forecast Errors and Failures in Communication. IEEE Transactions on Smart Grid, 2019, 10, 4128-4137.	6.2	1
1641	Constructing Robust Community Structure Against Edge-Based Attacks. IEEE Systems Journal, 2019, 13, 582-592.	2.9	20
1642	A new coupled disease-awareness spreading model with mass media on multiplex networks. Information Sciences, 2019, 471, 185-200.	4.0	161
1643	Social hotspot propagation dynamics model based on multidimensional attributes and evolutionary games. Communications in Nonlinear Science and Numerical Simulation, 2019, 67, 13-25.	1.7	42
1644	The Domino Effect: An Empirical Exposition of Systemic Risk Across Project Networks. Production and Operations Management, 2019, 28, 63-81.	2.1	21
1645	A Simulation Tool to Guide Infrastructure Decisions: System-of-Systems Modeling Aids Prioritization and Uncertainty Planning. IEEE Systems, Man, and Cybernetics Magazine, 2019, 5, 10-20.	1.2	1
1646	Cascading failures on interdependent networks with star dependent links. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122222.	1.2	7
1647	Repulsive synchronization in complex networks. Chaos, 2019, 29, 053130.	1.0	8
1648	Price Linkage Rumors in the Stock Market and Investor Risk Contagion on Bilayer-Coupled Networks. Complexity, 2019, 2019, 1-21.	0.9	6
1649	Individual diversity between interdependent networks promotes the evolution of cooperation by means of mixed coupling. Scientific Reports, 2019, 9, 11163.	1.6	3
1650	Recent progress on cascading failures and recovery in interdependent networks. International Journal of Disaster Risk Reduction, 2019, 40, 101266.	1.8	21
1651	Characterising the robustness of coupled power-law networks. Reliability Engineering and System Safety, 2019, 191, 106560.	5.1	8
1652	Eradicating abrupt collapse on single network with dependency groups. Chaos, 2019, 29, 083111.	1.0	13
1653	Enhancing the robustness of a multiplex network leads to multiple discontinuous percolation transitions. Physical Review E, 2019, 100, 020301.	0.8	7
1654	Renormalization group for link percolation on planar hyperbolic manifolds. Physical Review E, 2019, 100, 022306.	0.8	15

#	ARTICLE	IF	CITATIONS
1655	Dynamic behavior analysis of an internet flow interaction model under cascading failures. <i>Physical Review E</i> , 2019, 100, 022309.	0.8	9
1656	Interdependent Network Formation Game Using TLBO Algorithm. , 2019, , .		0
1657	Exergy and network analysis of chemical sites. <i>Sustainable Production and Consumption</i> , 2019, 19, 270-288.	5.7	13
1658	Robustness on interdependent networks with a multiple-to-multiple dependent relationship. <i>Chaos</i> , 2019, 29, 073107.	1.0	18
1659	The Complex Network Theory-Based Urban Land-Use and Transport Interaction Studies. <i>Complexity</i> , 2019, 2019, 1-14.	0.9	30
1660	Defensive resource allocation for cyber-physical systems in global energy interconnection. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 227, 042002.	0.2	0
1661	Robustness of Interdependent Random Geometric Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2019, 6, 474-487.	4.1	12
1662	A tensor-based framework for studying eigenvector multicentrality in multilayer networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15407-15413.	3.3	61
1663	A system-wide network reconstruction of gene regulation and metabolism in <i>Escherichia coli</i> . <i>PLoS Computational Biology</i> , 2019, 15, e1006962.	1.5	12
1664	Spectral peculiarity and criticality of a human connectome. <i>Physics of Life Reviews</i> , 2019, 31, 240-256.	1.5	10
1665	Survivability Evaluation Method for Cascading Failure of Electric Cyber Physical System Considering Load Optimal Allocation. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-15.	0.6	11
1666	Exact solution of generalized cooperative susceptible-infected-removed (SIR) dynamics. <i>Physical Review E</i> , 2019, 100, 012307.	0.8	10
1667	Minimal structural perturbations for controllability of a networked system: Complexities and approximations. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 4191-4208.	2.1	16
1668	Load dependence of power outage statistics. <i>Europhysics Letters</i> , 2019, 126, 44002.	0.7	11
1669	Coordinated Defense of Distributed Denial of Service Attacks against the Multi-Area Load Frequency Control Services. <i>Energies</i> , 2019, 12, 2493.	1.6	9
1670	Interlayer impacts to deep-coupling dynamical networks: A snapshot of equilibrium stability. <i>Chaos</i> , 2019, 29, 073104.	1.0	4
1671	A framework for managing public security risks with complex interactions in cities and its application evidenced from Shenzhen City in China. <i>Cities</i> , 2019, 95, 102390.	2.7	16
1672	Robustness of complex networks: Cascading failure mechanism by considering the characteristics of time delay and recovery strategy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 122061.	1.2	18

#	ARTICLE	IF	CITATIONS
1673	Self-avoiding pruning random walk on signed network. <i>New Journal of Physics</i> , 2019, 21, 035001.	1.2	10
1674	Imperatives for health sector decision-support modelling. <i>International Journal of Disaster Risk Reduction</i> , 2019, 38, 101234.	1.8	5
1675	Community resilience-driven restoration model for interdependent infrastructure networks. <i>International Journal of Disaster Risk Reduction</i> , 2019, 38, 101228.	1.8	56
1676	Targeted attack on correlated interdependent networks with dependency groups. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 121952.	1.2	5
1677	Dynamic vaccination game in a heterogeneous mixing population. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 122032.	1.2	5
1678	Natural Hazards and Social Vulnerability of Place: The Strength-Based Approach Applied to Wollongong, Australia. <i>International Journal of Disaster Risk Science</i> , 2019, 10, 404-420.	1.3	41
1679	Construction and analysis of interdependent networks based on time series and horizontal visibility graphs. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	0
1680	Multilayer coevolution dynamics of the nonlinear voter model. <i>New Journal of Physics</i> , 2019, 21, 035004.	1.2	16
1681	Effective traffic-flow assignment strategy on multilayer networks. <i>Physical Review E</i> , 2019, 100, 012310.	0.8	32
1682	The effect of asymmetric reproductive ability on the evolution of cooperation on interdependent networks. <i>Scientific Reports</i> , 2019, 9, 10760.	1.6	1
1683	Network Congestion Diffusion Model Considering Congestion Distribution Information. <i>IEEE Access</i> , 2019, 7, 102064-102072.	2.6	4
1684	Cascading Failure of Cyber-Coupled Power Systems Considering Interactions Between Attack and Defense. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019, 66, 4323-4336.	3.5	32
1685	Reliability analysis of CPS systems under different edge repairing strategies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 532, 121865.	1.2	16
1686	Multiple states induced by dynamic speed allocation in dynamical networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 532, 121868.	1.2	0
1687	Artificial Intelligence and Global Changes. <i>Ethical Economy</i> , 2019, , 1-10.	0.1	0
1688	Universal behavior of cascading failures in interdependent networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22452-22457.	3.3	68
1689	Co-contagion diffusion on multilayer networks. <i>Applied Network Science</i> , 2019, 4, .	0.8	3
1690	A Data-Driven and Physics-Based Approach to Exploring Interdependency of Interconnected Infrastructure. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
1691	Multilevel Strategic Interaction Game Models for Complex Networks. , 2019, , .		1
1692	Smart grid network architectures. , 2019, , 97-118.		0
1693	Chemical synaptic multiplexing enhances rhythmicity in neuronal networks. <i>Nonlinear Dynamics</i> , 2019, 98, 1659-1668.	2.7	25
1694	Optimal Disintegration Strategy in Multiplex Networks under Layer Node-Based Attack. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3968.	1.3	10
1695	Cluster synchronization in networked nonidentical chaotic oscillators. <i>Chaos</i> , 2019, 29, 093118.	1.0	15
1696	Dynamic evolution algorithm designing and control parameters quantitatively grading for the cascading failures based reliability model of an interdependent public transit network. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 093407.	0.9	3
1697	Node Attacks on Two-Mode Networks. <i>IEEE Access</i> , 2019, 7, 108316-108330.	2.6	1
1698	Modelling and Vulnerability Analysis of Cyber-Physical Power Systems Based on Interdependent Networks. <i>Energies</i> , 2019, 12, 3439.	1.6	20
1699	Diffusion dynamics and information spreading in multilayer networks: An overview. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2351-2355.	1.2	23
1700	A new propagation model coupling the offline and online social networks. <i>Nonlinear Dynamics</i> , 2019, 98, 2171-2183.	2.7	13
1702	Realization of Large-Signal Stabilization for DC Microgrids via a Novel Decentralized Composite Control Approach. , 2019, , .		1
1703	The Vulnerability Analysis of the Multi-layer Air Transport System. , 2019, , .		0
1704	Optimizing spreading dynamics in interconnected networks. <i>Chaos</i> , 2019, 29, 103106.	1.0	5
1705	Dynamical modeling of cascading failures in the Turkish power grid. <i>Chaos</i> , 2019, 29, 093134.	1.0	19
1706	Ability-based evolution promotes cooperation in interdependent graphs. <i>Europhysics Letters</i> , 2019, 127, 68002.	0.7	20
1707	Crash dynamics of interdependent networks. <i>Scientific Reports</i> , 2019, 9, 14574.	1.6	5
1708	After the Lights Go Out: Household Resilience to Electrical Grid Failure Following Hurricane Irma. <i>Natural Hazards Review</i> , 2019, 20, .	0.8	30
1709	Towards Resilient Civil Infrastructure Asset Management: An Information Elicitation and Analytical Framework. <i>Sustainability</i> , 2019, 11, 4439.	1.6	15

#	ARTICLE	IF	CITATIONS
1710	Near-Optimal Convergent Approach for Composed Influence Maximization Problem in Social Networks. IEEE Access, 2019, 7, 142488-142497.	2.6	8
1711	Detecting the significant nodes in two-layer flow networks: an interlayer non-failure cascading effect perspective. European Physical Journal: Special Topics, 2019, 228, 2475-2490.	1.2	8
1712	Optimizing Robustness against Cascading Failures under Max-Load Targeted Attack. , 2019, , .		0
1713	Reliable Design for a Network of Networks with Inspiration from Brain Functional Networks. Applied Sciences (Switzerland), 2019, 9, 3809.	1.3	3
1714	A Multistage Game in Smart Grid Security: A Reinforcement Learning Solution. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2684-2695.	7.2	134
1715	Intralayer synchronization in neuronal multiplex network. European Physical Journal: Special Topics, 2019, 228, 2441-2454.	1.2	17
1716	Cascading failures in interdependent scale-free networks of different coupling preferences with the harmonic closeness. Europhysics Letters, 2019, 127, 38003.	0.7	9
1717	Explosive phenomena in complex networks. Advances in Physics, 2019, 68, 123-223.	35.9	125
1718	Controller placement in software defined networks: A Comprehensive survey. Computer Networks, 2019, 163, 106883.	3.2	42
1719	Onion structure optimizes attack robustness of interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122374.	1.2	6
1720	Evolution of cooperation in synergistically evolving dynamic interdependent networks: fundamental advantages of coordinated network evolution. New Journal of Physics, 2019, 21, 073057.	1.2	13
1721	Automated Grasp Planning and Path Planning for a Robot Hand-Arm System. , 2019, , .		2
1722	Analysis on Integrated Energy System Cascading Failures Considering Interaction of Coupled Heating and Power Networks. IEEE Access, 2019, 7, 89752-89765.	2.6	23
1723	Mean-square heterogeneous synchronization of interdependent networks with stochastic disturbances. Advances in Difference Equations, 2019, 2019, .	3.5	0
1724	The cross-networks impact analysis and assessment in multilayer interdependent networks: A case study of critical infrastructures. International Journal of Modern Physics C, 2019, 30, 1940007.	0.8	2
1725	Maximum Entropy Analysis of Flow Networks: Theoretical Foundation and Applications. Entropy, 2019, 21, 776.	1.1	7
1726	Topological Characteristics and Vulnerability Analysis of Rural Traffic Network. Journal of Sensors, 2019, 2019, 1-9.	0.6	6
1727	Vulnerability Evaluation of Cyber-physical Power Systems based on Complex Networks Theory. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1728	A Game Theory-Based Approach for Vulnerability Analysis of a Cyber-Physical Power System. <i>Energies</i> , 2019, 12, 3002.	1.6	5
1730	Flexible model of network embedding. <i>Scientific Reports</i> , 2019, 9, 11710.	1.6	2
1731	Link clustering explains non-central and contextually essential genes in protein interaction networks. <i>Scientific Reports</i> , 2019, 9, 11672.	1.6	2
1732	Occurrence mechanism of lacustrine shale oil in the Paleogene Shahejie Formation of Jiyang Depression, Bohai Bay Basin, China. <i>Petroleum Exploration and Development</i> , 2019, 46, 833-846.	3.0	94
1733	Optimizing biologically inspired transport networks by control. <i>Physical Review E</i> , 2019, 100, 032309.	0.8	4
1734	Effective optimal dismantling strategy for interdependent networks based on residual theory. <i>International Journal of Modern Physics C</i> , 2019, 30, 1950082.	0.8	2
1735	EXPLORING THE VULNERABILITY OF FRACTAL COMPLEX NETWORKS THROUGH CONNECTION PATTERN AND FRACTAL DIMENSION. <i>Fractals</i> , 2019, 27, 1950102.	1.8	11
1736	The general dynamic risk assessment for the enterprise by the hologram approach in financial technology. <i>International Journal of Financial Engineering</i> , 2019, 06, 1950001.	0.2	16
1737	FINANCIAL CONTAGION IN LARGE, INHOMOGENEOUS STOCHASTIC INTERBANK NETWORKS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2019, 22, 1950002.	0.9	2
1738	Convergence towards an Erdős-Rényi graph structure in network contraction processes. <i>Physical Review E</i> , 2019, 100, 032314.	0.8	4
1739	Identifying the most influential roads based on traffic correlation networks. <i>EPJ Data Science</i> , 2019, 8, .	1.5	21
1740	Cascading failures in hierarchical networks with unity of command: An info-gap analysis. <i>International Journal of Disaster Risk Reduction</i> , 2019, 41, 101291.	1.8	2
1741	Risk assessment of critical infrastructures in a complex interdependent scenario: A four-stage hybrid decision support approach. <i>Safety Science</i> , 2019, 120, 692-705.	2.6	17
1742	The product demand model driven by consumer's information perception and quality perception. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 535, 122352.	1.2	4
1743	Introduction to Focus Issue: Complex Network Approaches to Cyber-Physical Systems. <i>Chaos</i> , 2019, 29, 093123.	1.0	16
1744	Risk analysis beyond vulnerability and resilience – characterizing the defensibility of critical systems. <i>European Journal of Operational Research</i> , 2019, 276, 626-636.	3.5	18
1745	Bond percolation in coloured and multiplex networks. <i>Nature Communications</i> , 2019, 10, 404.	5.8	28
1746	Synchronization transition in Sakaguchi-Kuramoto model on complex networks with partial degree-frequency correlation. <i>Chaos</i> , 2019, 29, 013123.	1.0	12



#	ARTICLE	IF	CITATIONS
1747	Self-organized interdependence among populations promotes cooperation by means of coevolution. Chaos, 2019, 29, 013139.	1.0	37
1748	Vulnerability analysis of global container shipping liner network based on main channel disruption. Maritime Policy and Management, 2019, 46, 394-409.	1.9	44
1749	Cascading Failures and Vulnerability Evolution in Bus-Metro Complex Bilayer Networks under Rainstorm Weather Conditions. International Journal of Environmental Research and Public Health, 2019, 16, 329.	1.2	30
1750	On connectivity of post-earthquake road networks. Transportation Research, Part E: Logistics and Transportation Review, 2019, 123, 1-16.	3.7	38
1751	Community robustness and its enhancement in interdependent networks. Applied Soft Computing Journal, 2019, 77, 665-677.	4.1	18
1752	Percolation framework of the Earth's topography. Physical Review E, 2019, 99, 022304.	0.8	7
1753	Delay regulated explosive synchronization in multiplex networks. New Journal of Physics, 2019, 21, 015006.	1.2	37
1754	Complex networks from classical to quantum. Communications Physics, 2019, 2, .	2.0	92
1755	Cyber and physical interactions to combat failure propagation in smart grid: Characterization, analysis and evaluation. Computer Networks, 2019, 158, 184-192.	3.2	2
1756	On the Rising Interdependency between the Power Grid, ICT Network, and E-Mobility: Modeling and Analysis. Energies, 2019, 12, 1874.	1.6	3
1757	Remote control of cascading dynamics on complex multilayer networks. New Journal of Physics, 2019, 21, 045002.	1.2	15
1758	Flipping-Coin Experiment to Study Switching in Josephson Junctions and Superconducting Wires. Physical Review Applied, 2019, 11, .	1.5	5
1759	The State of the Art in Multilayer Network Visualization. Computer Graphics Forum, 2019, 38, 125-149.	1.8	60
1760	Explosive transitions induced by interdependent contagion-consensus dynamics in multiplex networks. Physical Review E, 2019, 99, 062311.	0.8	20
1761	Novel Intelligence Functions for Data-driven Smart Sustainable Urbanism: Utilizing Complexity Sciences in Fashioning Powerful Forms of Simulations Models. Advances in Science, Technology and Innovation, 2019, , 273-313.	0.2	1
1762	Does the structure of intersectoral embedded carbon flow network matter to carbon reduction in China?. Journal of Cleaner Production, 2019, 233, 1061-1074.	4.6	8
1763	A complex network theory analytical approach to power system cascading failure-From a cyber-physical perspective. Chaos, 2019, 29, 053111.	1.0	36
1764	Proactive Network Defense with Game Theory. Advances in Information Security, 2019, , 33-58.	0.9	0

#	ARTICLE	IF	CITATIONS
1765	The Effective Healing Strategy against Localized Attacks on Interdependent Spatially Embedded Networks. Complexity, 2019, 2019, 1-10.	0.9	6
1766	Component importance measures for interdependent infrastructure network resilience. Computers and Industrial Engineering, 2019, 133, 153-164.	3.4	56
1767	Abnormal hybrid phase transition in the passively competing Kuramoto model. Physica D: Nonlinear Phenomena, 2019, 399, 186-192.	1.3	5
1768	A review on resilience assessment of energy systems. Sustainable and Resilient Infrastructure, 2021, 6, 273-299.	1.7	76
1769	Modeling and simulation of Japanese inter-firm network. Artificial Life and Robotics, 2019, 24, 257-261.	0.7	4
1770	Inhibition-induced explosive synchronization in multiplex networks. Physical Review E, 2019, 99, 062305.	0.8	41
1771	Robustness of Asymmetric Cyber-Physical Power Systems Against Cyber Attacks. IEEE Access, 2019, 7, 61342-61352.	2.6	35
1772	Edge-based stochastic network model reveals structural complexity of edges. Future Generation Computer Systems, 2019, 100, 1073-1087.	4.9	5
1773	A Novel Propagation Model Coupling the Offline Network with Online Social Network Framework. , 2019, , .		0
1774	Cascading failures on correlated interdependent networks with dependency groups. Physica A: Statistical Mechanics and Its Applications, 2019, 530, 121355.	1.2	6
1775	Extreme risk induced by communities in interdependent networks. Communications Physics, 2019, 2, .	2.0	8
1776	A quantitatively controllable mesoscopic reliability model of an interdependent public transit network considering congestion, time-delay interaction and self-organization effects. Nonlinear Dynamics, 2019, 96, 933-958.	2.7	14
1777	Robustness of complex networks to cascading failures induced by Poisson fluctuating loads. Physica A: Statistical Mechanics and Its Applications, 2019, 536, 120848.	1.2	8
1778	Robustness analysis of partially interdependent networks with different coupling preferences and multicluster functional nodes in VCMS. Chaos, Solitons and Fractals, 2019, 122, 189-195.	2.5	2
1779	Cascading failure in multilayer network with asymmetric dependence group. International Journal of Modern Physics C, 2019, 30, 1950043.	0.8	4
1780	Enterprise Interoperability VIII. Proceedings of the I-ESA Conference, 2019, , .	0.4	6
1781	Controlling edge dynamics in multilayer networks. Physica A: Statistical Mechanics and Its Applications, 2019, 528, 121273.	1.2	7
1782	Disease spreading model considering the activity of individuals on complex networks. Physica A: Statistical Mechanics and Its Applications, 2019, 530, 121393.	1.2	9

#	ARTICLE	IF	CITATIONS
1783	Resilience of IoT Systems Against Edge-Induced Cascade-of-Failures: A Networking Perspective. IEEE Internet of Things Journal, 2019, 6, 6952-6963.	5.5	16
1784	A novel dynamic model on power failure propagation and its application to load shedding optimization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2159-2167.	0.9	4
1785	Innovative pheno-network model in estimating crop phenological stages with satellite time series. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 153, 96-109.	4.9	13
1786	Local floods induce large-scale abrupt failures of road networks. Nature Communications, 2019, 10, 2114.	5.8	69
1787	The outbreak threshold of information diffusion over social“physical networks. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 121128.	1.2	9
1788	Synchronization of interconnected heterogeneous networks: The role of network sizes. Scientific Reports, 2019, 9, 6154.	1.6	2
1789	Low pass filtering mechanism enhancing dynamical robustness in coupled oscillatory networks. Chaos, 2019, 29, 041104.	1.0	12
1790	Vulnerability analysis of cascading dynamics in smart grids under load redistribution attacks. International Journal of Electrical Power and Energy Systems, 2019, 111, 182-190.	3.3	41
1791	Multi-Network Vulnerability Causal Model for Infrastructure Co-Resilience. IEEE Access, 2019, 7, 35344-35358.	2.6	19
1792	Application of Complex Networks Theory in Urban Traffic Network Researches. Networks and Spatial Economics, 2019, 19, 1281-1317.	0.7	79
1793	An Open Source Modeling Framework for Interdependent Energy-Transportation-Communication Infrastructure in Smart and Connected Communities. IEEE Access, 2019, 7, 55458-55476.	2.6	11
1794	Cascading failures on interdependent networks with multiple dependency links and cliques. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120907.	1.2	10
1795	Integrating safety and security resources to protect chemical industrial parks from man-made domino effects: A dynamic graph approach. Reliability Engineering and System Safety, 2019, 191, 106470.	5.1	93
1796	Context aware intrusion detection for building automation systems. Computers and Security, 2019, 85, 181-201.	4.0	34
1797	Probabilistic Multiple Hazard Resilience Model of an Interdependent Infrastructure System. Risk Analysis, 2019, 39, 1843-1863.	1.5	23
1798	Generalized network dismantling. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6554-6559.	3.3	100
1799	Governance of interactions between infrastructure sectors: The making of smart grids in the UK. Environmental Innovation and Societal Transitions, 2019, 32, 140-152.	2.5	14
1800	Epidemic spread in directed interconnected networks. Communications in Nonlinear Science and Numerical Simulation, 2019, 75, 1-13.	1.7	6

#	ARTICLE	IF	CITATIONS
1801	From networks to optimal higher-order models of complex systems. <i>Nature Physics</i> , 2019, 15, 313-320.	6.5	239
1802	Node Importance Ranking in Complex Networks Based on Multicriteria Decision Making. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-12.	0.6	9
1803	Cascading failures in scale-free interdependent networks. <i>Physical Review E</i> , 2019, 99, 032308.	0.8	27
1804	Resilience assessment for interdependent urban infrastructure systems using dynamic network flow models. <i>Reliability Engineering and System Safety</i> , 2019, 188, 62-79.	5.1	111
1805	Identifying Influential Links for Event Propagation on Twitter: A Network of Networks Approach. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2019, 5, 139-151.	1.6	4
1806	Robustness of multipartite networks in face of random node failure. <i>Chaos, Solitons and Fractals</i> , 2019, 121, 149-159.	2.5	11
1807	How Spatial and Functional Dependencies between Operations and Infrastructure Leads to Resilient Recovery. <i>Journal of Infrastructure Systems</i> , 2019, 25, .	1.0	21
1808	A Probabilistic Theory Based Method for Robustness Assessment of Bipartite Networks. <i>IEEE Access</i> , 2019, 7, 35359-35369.	2.6	1
1809	Cascading failures with coupled map lattices on Watts&Strogatz networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 525, 1038-1045.	1.2	15
1810	Swarm intelligence inspired cooperation promotion and symmetry breaking in interdependent networked game. <i>Chaos</i> , 2019, 29, 043101.	1.0	18
1811	Explosive synchronization through dynamical environment. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2051-2055.	0.9	15
1812	Interconnecting strategy of bridging multilayer networks to maximize synchronizability. <i>Europhysics Letters</i> , 2019, 125, 18003.	0.7	4
1813	Risk contagion in inter-firm credit guarantee network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120842.	1.2	15
1814	Optimization on vulnerability analysis and redundancy protection in interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 1216-1226.	1.2	14
1815	Coevolution of agent&TM's behavior and noise parameters in majority vote game on multilayer networks. <i>New Journal of Physics</i> , 2019, 21, 015007.	1.2	5
1816	Large deviation theory of percolation on multiplex networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 023405.	0.9	7
1817	Climate Change-Related Risks and Adaptation of Interdependent Infrastructure Systems. , 2019, , 207-242.		1
1818	Developing an agent-based model to simulate the beef cattle production and transportation in southwest Kansas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120856.	1.2	17

#	ARTICLE	IF	CITATIONS
1819	Interdependent networks with redundant and dependent interconnections. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120777.	1.2	0
1820	Localized attack on networks with clustering. <i>New Journal of Physics</i> , 2019, 21, 013014.	1.2	10
1821	Identifying the peak point of systemic risk in international crude oil importing trade. <i>Energy</i> , 2019, 176, 281-291.	4.5	23
1822	Effects of group size distribution on cascading failure in partially interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 120703.	1.2	6
1823	Inhomogeneous percolation on multilayer networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 033204.	0.9	4
1824	Majority-vote dynamics on multiplex networks with two layers. <i>New Journal of Physics</i> , 2019, 21, 035005.	1.2	11
1825	Resilience Evaluation Framework for Integrated Civil Infrastructure“Community Systems under Seismic Hazard. <i>Journal of Infrastructure Systems</i> , 2019, 25, .	1.0	30
1826	Fragility and anomalous susceptibility of weakly interacting networks. <i>Physical Review E</i> , 2019, 99, 042302.	0.8	5
1827	Supporting Sustainable Maintenance of Substations under Cyber-Threats: An Evaluation Method of Cybersecurity Risk for Power CPS. <i>Sustainability</i> , 2019, 11, 982.	1.6	12
1828	Traceability and dynamical resistance of precursor of extreme events. <i>Scientific Reports</i> , 2019, 9, 1744.	1.6	21
1829	An adaptive robust framework for the optimization of the resilience of interdependent infrastructures under natural hazards. <i>European Journal of Operational Research</i> , 2019, 276, 1119-1136.	3.5	96
1830	A comprehensive instrument for identifying critical information infrastructure services. <i>International Journal of Critical Infrastructure Protection</i> , 2019, 25, 50-61.	2.9	13
1831	Energy-supported cascading failure model on interdependent networks considering control nodes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 522, 195-204.	1.2	9
1832	Robustness assessment of cyber“physical systems with weak interdependency. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 522, 9-17.	1.2	48
1833	Robustness of partially interdependent networks under combined attack. <i>Chaos</i> , 2019, 29, 021101.	1.0	20
1834	STRAM. <i>ACM Computing Surveys</i> , 2019, 51, 1-47.	16.1	55
1835	Safety Analysis of AADL Models for Grid Cyber-Physical Systems via Model Checking of Stochastic Games. <i>Electronics (Switzerland)</i> , 2019, 8, 212.	1.8	7
1836	KEYNOTE: Global Extinction and Animal Welfare: Two Priorities for Effective Altruism. <i>Global Policy</i> , 2019, 10, 258-266.	1.0	3

#	ARTICLE	IF	CITATIONS
1837	Seismic performance assessment of electric power systems subjected to spatially correlated earthquake excitations. <i>Structure and Infrastructure Engineering</i> , 2019, 15, 351-361.	2.0	22
1838	Discordant attributes of structural and functional brain connectivity in a two-layer multiplex network. <i>Scientific Reports</i> , 2019, 9, 2885.	1.6	37
1839	Agent-Based Recovery Model for Seismic Resilience Evaluation of Electrified Communities. <i>Risk Analysis</i> , 2019, 39, 1597-1614.	1.5	24
1840	Challenges for the cyber-physical manufacturing enterprises of the future. <i>Annual Reviews in Control</i> , 2019, 47, 200-213.	4.4	225
1841	Self-Organization and Resilience for Networked Systems: Design Principles and Open Research Issues. <i>Proceedings of the IEEE</i> , 2019, 107, 819-834.	16.4	26
1842	Structural and functional robustness of networked critical infrastructure systems under different failure scenarios. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 476-487.	1.2	14
1843	Spectral and localization properties of random bipartite graphs. <i>Chaos, Solitons and Fractals: X</i> , 2019, 3, 100021.	1.0	9
1844	Methodology for assessing the risk of an act unlawful interference on transport systems. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 698, 066067.	0.3	4
1845	Quantification of the resilience of primary care networks by stress testing the health care system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23930-23935.	3.3	20
1846	On the Dynamics of Transmission Capacity and Load Loss during Cascading Failures in Power Grids. , 2019, , .		0
1847	Application of Complex Network Principles to Key Station Identification in Railway Network Efficiency Analysis. <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-13.	0.9	4
1848	Correlating Grid-operators' Performance with Cascading Failures in Smart-Grids. , 2019, , .		2
1849	Information Inconsistencies in Smart Distribution Grids under Different Failure Causes modelled by Stochastic Activity Networks. , 2019, , .		1
1850	A Vulnerability Assessment Method of Cyber Physical Power System Considering Power-Grid Infrastructures Failure. , 2019, , .		2
1851	CONTROLLING NETWORK DYNAMICS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2019, 22, 1950021.	0.9	8
1852	Cascading Failure Analysis for Ocean Energy Turbine Generator Arrays. , 2019, , .		0
1854	On Connectivity of Interdependent Networks. , 2019, , .		1
1855	Interdependent Network Cascading Failure Analysis Based on Load Distribution and Node Backup Strategy. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
1856	Vulnerability Analysis of Smart Grid under Community Attack Style. , 2019, , .		0
1857	Influence Propagation with Multiple Stages over Random Multiplex Networks. , 2019, , .		0
1858	An Improved Heterogeneous Mean-Field Theory for the Ising Model on Complex Networks. Communications in Theoretical Physics, 2019, 71, 1475.	1.1	0
1859	Mitigation of Cascading Outages Using a Dynamic Interaction Graph-Based Optimal Power Flow Model. IEEE Access, 2019, 7, 168637-168648.	2.6	18
1860	Modeling Technological Interdependency in IoT - A Multidimensional and Multilayer Network Model for Smart Environments. , 2019, , .		4
1861	Instability of Multilayer Networks Induced by Inter-Layer Coupling. , 2019, , .		1
1862	Cyber-Physical Active Distribution Networks Robustness Evaluation against Cross-Domain Cascading Failures. Applied Sciences (Switzerland), 2019, 9, 5021.	1.3	3
1863	Power Resilience Assessment from Physical and Socio-Demographic Perspectives. , 2019, , .		3
1864	Satisfiability-Based Analysis of Cascading Failures in Systems of Interdependent Networks. , 2019, , .		0
1865	Balancing Smart Grid's Performance Enhancement and Resilience to Cyber Threat. , 2019, , .		2
1866	Predicting Cascading Failures in Power Grids using Machine Learning Algorithms. , 2019, , .		17
1867	Asymmetry in interdependence makes a multilayer system more robust against cascading failures. Physical Review E, 2019, 100, 052306.	0.8	19
1868	Assortativity provides a narrow margin for enhanced cooperation on multilayer networks. New Journal of Physics, 2019, 21, 123016.	1.2	18
1869	Taming out-of-equilibrium dynamics on interconnected networks. Nature Communications, 2019, 10, 5314.	5.8	5
1870	Measures of robustness for networked critical infrastructure: An empirical comparison on four electrical grids. International Journal of Critical Infrastructure Protection, 2019, 27, 100326.	2.9	1
1871	The sharp threshold for jigsaw percolation in random graphs. Advances in Applied Probability, 2019, 51, 378-407.	0.4	1
1872	Interdependency and Vulnerability of Multipartite Networks under Target Node Attacks. Complexity, 2019, 2019, 1-16.	0.9	12
1873	Anatomy and resilience of the global production ecosystem. Nature, 2019, 575, 98-108.	13.7	203

#	ARTICLE	IF	CITATIONS
1874	Don't go chasing artificial waterfalls: Artificial line limits and cascading failures in power grids. Chaos, 2019, 29, 113117.	1.0	3
1875	Passenger evacuation at a malfunctioning urban rail station based on interdependent networks. International Journal of Modern Physics C, 2019, 30, 1950098.	0.8	3
1876	Percolation-Based Metrics to Quantify the Resilience of Communication Systems. IncoSe International Symposium, 2019, 29, 1-16.	0.2	0
1877	Research Progress on Joint Operation Modeling Based on Complex Networks. , 2019, , .		0
1878	Percolation on branching simplicial and cell complexes and its relation to interdependent percolation. Physical Review E, 2019, 100, 062311.	0.8	20
1879	Synchronization in Multilayer Networks: When Good Links Go Bad. SIAM Journal on Applied Dynamical Systems, 2019, 18, 2267-2302.	0.7	23
1880	Principles and applications of optogenetics in developmental biology. Development (Cambridge), 2019, 146, .	1.2	83
1881	Quantitative Analysis of Dynamical Complexity in Cultured Neuronal Network Models for Reservoir Computing Applications. , 2019, , .		1
1882	Survival Traffic Ratio Analysis for Cascading Failure in Interdependent Networks. , 2019, , .		1
1883	Security Assessment for Interdependent Heterogeneous Cyber Physical Systems. Mobile Networks and Applications, 2021, 26, 1532-1542.	2.2	8
1884	The key player problem in complex oscillator networks and electric power grids: Resistance centralities identify local vulnerabilities. Science Advances, 2019, 5, eaaw8359.	4.7	48
1885	Enhancing power grid synchronization and stability through time-delayed feedback control. Physical Review E, 2019, 100, 062306.	0.8	46
1886	Public cooperation in two-layer networks with asymmetric interaction and learning environments. Applied Mathematics and Computation, 2019, 340, 305-313.	1.4	13
1887	Chimera states in neuronal networks: A review. Physics of Life Reviews, 2019, 28, 100-121.	1.5	324
1888	Research on the connection radius of dependency links in interdependent spatial networks against cascading failures. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 555-564.	1.2	9
1889	Optimization of synchronizability in complex spatial networks. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 46-55.	1.2	5
1890	Hybrid resource allocation and its impact on the dynamics of disease spreading. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 156-165.	1.2	14
1891	Mitigation and Recovery From Cascading Failures in Interdependent Networks Under Uncertainty. IEEE Transactions on Control of Network Systems, 2019, 6, 501-514.	2.4	25



#	ARTICLE	IF	CITATIONS
1892	Impact of Strategic Behaviors of the Electricity Consumers on Power System Reliability. Studies in Systems, Decision and Control, 2019, , 193-215.	0.8	4
1893	Diffusion on hierarchical systems of weakly-coupled networks. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 675-686.	1.2	8
1894	Resilience-driven restoration model for interdependent infrastructure networks. Reliability Engineering and System Safety, 2019, 185, 12-23.	5.1	144
1895	Core Percolation in Interdependent Networks. IEEE Transactions on Network Science and Engineering, 2019, 6, 952-967.	4.1	5
1896	Critical Infrastructure Security and Resilience. Advanced Sciences and Technologies for Security Applications, 2019, , .	0.4	36
1897	Game-Theoretic Decision Making for the Resilience of Interdependent Infrastructures Exposed to Disruptions. Advanced Sciences and Technologies for Security Applications, 2019, , 97-114.	0.4	9
1898	SDN Testbed for Evaluation of Large Exo-Atmospheric EMP Attacks. IEEE Communications Magazine, 2019, 57, 88-97.	4.9	29
1899	Cluster Synchronization in Multilayer Networks: A Fully Analog Experiment with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Oscillators with Physically Dissimilar Coupling. Physical Review Letters, 2019, 122, 014101.	2.9	28
1901	Dynamic interdependence and competition in multilayer networks. Nature Physics, 2019, 15, 178-185.	6.5	86
1902	Literature review on modeling and simulation of energy infrastructures from a resilience perspective. Reliability Engineering and System Safety, 2019, 183, 360-373.	5.1	85
1903	Seeing the forest for the trees: Putting multilayer networks to work for community ecology. Functional Ecology, 2019, 33, 206-217.	1.7	57
1904	Multilayer Networks in a Nutshell. Annual Review of Condensed Matter Physics, 2019, 10, 45-62.	5.2	133
1905	Designing comprehensively robust networks against intentional attacks and cascading failures. Information Sciences, 2019, 478, 125-140.	4.0	37
1906	Efficient computational strategies to learn the structure of probabilistic graphical models of cumulative phenomena. Journal of Computational Science, 2019, 30, 1-10.	1.5	11
1907	Comparing capability of scenario hazard identification methods by the PIC (Plant-People-Procedure) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.6	10
1908	Modelling multi-layer spatially embedded random networks. Journal of Complex Networks, 2019, 7, 254-280.	1.1	5
1909	Assessing IT availability risks in smart factory networks. Business Research, 2019, 12, 523-558.	4.0	21
1910	Emergence of synchronization in multiplex networks of mobile RÄřssler oscillators. Physical Review E, 2019, 99, 012308.	0.8	49

#	ARTICLE	IF	CITATIONS
1911	Improving the Survivability of Clustered Interdependent Networks by Restructuring Dependencies. IEEE Transactions on Communications, 2019, 67, 2837-2848.	4.9	6
1912	Multilevel Programming-Based Coordinated Cyber Physical Attacks and Countermeasures in Smart Grid. IEEE Access, 2019, 7, 9836-9847.	2.6	31
1913	Universal scaling across biochemical networks on Earth. Science Advances, 2019, 5, eaau0149.	4.7	33
1914	The fragility of decentralised trustless socio-technical systems. EPJ Data Science, 2019, 8, .	1.5	19
1915	Abnormal dynamics induced by congestion effect in cascading failures. Modern Physics Letters B, 2019, 33, 1950001.	1.0	1
1916	Impact of core-periphery structure on cascading failures in interdependent scale-free networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 607-616.	0.9	14
1917	Structural transition in interdependent networks with regular interconnections. Physical Review E, 2019, 99, 012311.	0.8	1
1918	Multiple phase transitions in networks of directed networks. Physical Review E, 2019, 99, 012312.	0.8	19
1919	Smallest Pseudo Target Set Identification and Related Problems Using the Implicative Interdependency Model. Advanced Sciences and Technologies for Security Applications, 2019, , 115-134.	0.4	0
1920	Leveraging Network Theory and Stress Tests to Assess Interdependencies in Critical Infrastructures. Advanced Sciences and Technologies for Security Applications, 2019, , 135-155.	0.4	7
1921	A Century of Topological Coevolution of Complex Infrastructure Networks in an Alpine City. Complexity, 2019, 2019, 1-16.	0.9	19
1922	Quantitative resilience assessment in emergency response reveals how organizations trade efficiency for redundancy. Safety Science, 2019, 113, 404-414.	2.6	23
1923	Solitary states in multiplex networks owing to competing interactions. Chaos, 2019, 29, 013108.	1.0	34
1924	Optimal Configuration of Interdependence Between Communication Network and Power Grid. IEEE Transactions on Industrial Informatics, 2019, 15, 4054-4065.	7.2	37
1925	The k-core as a predictor of structural collapse in mutualistic ecosystems. Nature Physics, 2019, 15, 95-102.	6.5	100
1926	Eiders as Long Distance Connectors in Arctic Networks. Cross-Cultural Research, 2019, 53, 252-271.	1.6	4
1927	Tail dependence networks of global stock markets. International Journal of Finance and Economics, 2019, 24, 558-567.	1.9	63
1928	Complex network approaches to nonlinear time series analysis. Physics Reports, 2019, 787, 1-97.	10.3	370

#	ARTICLE	IF	CITATIONS
1929	Sequential Hazards Resilience of Interdependent Infrastructure System: A Case Study of Greater Toronto Area Energy Infrastructure System. Risk Analysis, 2019, 39, 1141-1168.	1.5	35
1930	Social contagions on multiplex networks with heterogeneous population. Physica A: Statistical Mechanics and Its Applications, 2019, 516, 105-113.	1.2	4
1931	Data-driven estimation of interdependencies and restoration of infrastructure systems. Reliability Engineering and System Safety, 2019, 181, 167-180.	5.1	13
1932	Hybrid traffic dynamics on coupled networks. Physica A: Statistical Mechanics and Its Applications, 2019, 516, 98-104.	1.2	8
1933	Robustness Analysis of Interdependent Urban Critical Infrastructure Networks Against Cascade Failures. Arabian Journal for Science and Engineering, 2019, 44, 2837-2851.	1.7	9
1934	Protection Schemes for Sustainable Microgrids. Studies in Systems, Decision and Control, 2019, , 267-296.	0.8	3
1935	Cascading Effects of Targeted Attacks on the Power Grid. Studies in Computational Intelligence, 2019, , 155-167.	0.7	3
1936	Cyber-Constrained Optimal Power Flow Model for Smart Grid Resilience Enhancement. IEEE Transactions on Smart Grid, 2019, 10, 5547-5555.	6.2	44
1937	Collaborative response to disruption propagation (CRDP) in cyber-physical systems and complex networks. Decision Support Systems, 2019, 117, 1-13.	3.5	25
1938	A Hetero-functional Graph Theory for Modeling Interdependent Smart City Infrastructure. , 2019, , .		20
1939	Near-optimal planning using approximate dynamic programming to enhance post-hazard community resilience management. Reliability Engineering and System Safety, 2019, 181, 116-126.	5.1	40
1940	Link deletion in directed complex networks. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 631-643.	1.2	8
1941	Control principles for complex biological networks. Briefings in Bioinformatics, 2019, 20, 2253-2266.	3.2	46
1942	Evolution of cooperation on independent networks: The influence of asymmetric information sharing updating mechanism. Applied Mathematics and Computation, 2019, 340, 234-241.	1.4	38
1943	A new model approach of electrical cyber physical systems considering cyber security. IEEE Transactions on Electrical and Electronic Engineering, 2019, 14, 201-213.	0.8	10
1944	Critical nodes in interdependent networks with deterministic and probabilistic cascading failures. Journal of Global Optimization, 2019, 74, 803-838.	1.1	8
1945	Identifying critical nodesâ€™ group in complex networks. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 121-132.	1.2	21
1946	Identifying influential nodes based on fluctuation conduction network model. Physica A: Statistical Mechanics and Its Applications, 2019, 514, 355-369.	1.2	10

#	ARTICLE	IF	CITATIONS
1947	A concise survey of advancements in recovery strategies for resilient complex networks. <i>Journal of Complex Networks</i> , 2019, 7, 393-420.	1.1	14
1948	A modified algorithm of multiplex networks generation based on overlapped links. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 435-442.	1.2	4
1949	Restoration of interdependent network against cascading overload failure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 884-891.	1.2	34
1950	Reliability seeking virtual organizations: Challenges for high reliability organizations and resilience engineering. <i>Safety Science</i> , 2019, 117, 512-522.	2.6	33
1951	Cost Efficient Data Aggregation Point Placement With Interdependent Communication and Power Networks in Smart Grid. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 74-83.	6.2	33
1952	Subgraph Robustness of Complex Networks Under Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 821-832.	5.9	78
1953	Influence of Clustering on Cascading Failures in Interdependent Systems. <i>IEEE Transactions on Network Science and Engineering</i> , 2019, 6, 351-363.	4.1	16
1954	Identifying Influential Spreaders in Complex Multilayer Networks: A Centrality Perspective. <i>IEEE Transactions on Network Science and Engineering</i> , 2019, 6, 31-45.	4.1	59
1955	From microscopic to macroscopic sports injuries. Applying the complex dynamic systems approach to sports medicine: a narrative review. <i>British Journal of Sports Medicine</i> , 2019, 53, 1214-1220.	3.1	59
1956	Parametric Design of Resilient Complex Networked Systems. <i>IEEE Systems Journal</i> , 2019, 13, 1496-1504.	2.9	10
1957	Big Data Acquisition Under Failures in FiWi Enhanced Smart Grid. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2019, 7, 420-432.	3.2	25
1958	A Realistic Model for Failure Propagation in Interdependent Cyber-Physical Systems. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 817-831.	4.1	34
1959	Singapore's Cybersecurity Act 2018: A New Generation Standard for Critical Information Infrastructure Protection. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 1-9.	0.5	1
1960	Breakup of Directed Multipartite Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 947-960.	4.1	6
1961	Robustness of Interdependent Cyber-Physical Systems Against Cascading Failures. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 711-726.	3.6	47
1962	Robustness evaluation method for unmanned aerial vehicle swarms based on complex network theory. <i>Chinese Journal of Aeronautics</i> , 2020, 33, 352-364.	2.8	32
1963	Network-Based Heterogeneous Particle Swarm Optimization and Its Application in UAV Communication Coverage. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020, 4, 312-323.	3.4	38
1964	Set-Membership Estimation for Complex Networks Subject to Linear and Nonlinear Bounded Attacks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 163-173.	7.2	18

#	ARTICLE	IF	CITATIONS
1965	Evaluation of the impact of urban water systems on railways: The scenario of track flooding caused by a water main burst. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2020, 234, 351-358.	1.3	2
1966	Colonel Blotto Games in Network Systems: Models, Strategies, and Applications. IEEE Transactions on Network Science and Engineering, 2020, 7, 637-649.	4.1	22
1967	Critical Component Analysis in Cascading Failures for Power Grids Using Community Structures in Interaction Graphs. IEEE Transactions on Network Science and Engineering, 2020, 7, 1079-1093.	4.1	20
1968	Robustness of open source product innovation community's knowledge collaboration network under the dynamic environment. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 122888.	1.2	11
1969	A network-of-networks percolation analysis of cascading failures in spatially co-located road-sewer infrastructure networks. Physica A: Statistical Mechanics and Its Applications, 2020, 538, 122971.	1.2	42
1970	A two-layer SIR information propagation model with heterogeneity based on coupled network. Journal of Supercomputing, 2020, 76, 1657-1679.	2.4	3
1971	Cascading risk assessment in power-communication interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 120496.	1.2	18
1972	Tensor-based mathematical framework and new centralities for temporal multilayer networks. Information Sciences, 2020, 512, 563-580.	4.0	13
1973	The sensitivity of electric power infrastructure resilience to the spatial distribution of disaster impacts. Reliability Engineering and System Safety, 2020, 193, 106658.	5.1	27
1974	Influencer identification in dynamical complex systems. Journal of Complex Networks, 2020, 8, cnz029.	1.1	27
1975	Detection of False Data Injection Attacks in Smart Grids Based on Graph Signal Processing. IEEE Systems Journal, 2020, 14, 1886-1896.	2.9	86
1976	Neighborhood information-based probabilistic algorithm for network disintegration. Expert Systems With Applications, 2020, 139, 112853.	4.4	13
1977	A Survey on Controller Placement in SDN. IEEE Communications Surveys and Tutorials, 2020, 22, 472-503.	24.8	121
1978	Modeling IT Availability Risks in Smart Factories. Business and Information Systems Engineering, 2020, 62, 323-345.	4.0	10
1979	Review of studies on the resilience of urban critical infrastructure networks. Reliability Engineering and System Safety, 2020, 193, 106617.	5.1	144
1980	Confronting total systemic failure? The May 2018 truckers' strike in Brazil. Systems Research and Behavioral Science, 2020, 37, 119-127.	0.9	3
1981	On the Robustness of Complex Systems With Multipartitivity Structures Under Node Attacks. IEEE Transactions on Control of Network Systems, 2020, 7, 106-117.	2.4	9
1982	Robustness of cyber-physical power systems in cascading failure: Survival of interdependent clusters. International Journal of Electrical Power and Energy Systems, 2020, 114, 105374.	3.3	49

#	ARTICLE	IF	CITATIONS
1983	Restoring Community Structures in Interdependent Infrastructure Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 1355-1367.	4.1	8
1984	Maximization of Robustness of Interdependent Networks Under Budget Constraints. IEEE Transactions on Network Science and Engineering, 2020, 7, 1441-1452.	4.1	9
1985	Multistage Complex Contagions in Random Multiplex Networks. IEEE Transactions on Control of Network Systems, 2020, 7, 410-421.	2.4	7
1986	A new analytical framework for network vulnerability on subway system. Concurrency Computation Practice and Experience, 2020, 32, e5508.	1.4	5
1987	Physics-based resilience assessment of interdependent civil infrastructure systems with condition-varying components: A case with stormwater drainage system and road transport system. Sustainable Cities and Society, 2020, 54, 101886.	5.1	28
1988	Edge attack strategies in interdependent scale-free networks. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 122759.	1.2	26
1989	Effects of coupling strength and coupling schemes between interdependent lattices on the evolutionary ultimatum game. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 123173.	1.2	11
1990	Assessment Methods of Network Resilience for Cyber-Human-Physical Systems. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, 03119001.	1.1	9
1991	Modeling interdependencies in infrastructure systems using multi-layered network flows. Computers and Operations Research, 2020, 117, 104883.	2.4	8
1992	Focus on multilayer networks. New Journal of Physics, 2020, 22, 010201.	1.2	21
1993	Vulnerability analysis of interdependent network via integer programming approaches. Optimization Letters, 2020, 14, 1921-1942.	0.9	0
1994	Centrality anomalies in complex networks as a result of model over-simplification. New Journal of Physics, 2020, 22, 013043.	1.2	13
1995	Robustness Evaluation of Multipartite Complex Networks Based on Percolation Theory. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6244-6257.	5.9	13
1996	Maritime convection and fluctuation between Vietnam and China: A data-driven study. Research in Transportation Business and Management, 2020, 34, 100414.	1.6	7
1997	Mitigation of malicious attacks on structural balance of signed networks. Physica A: Statistical Mechanics and Its Applications, 2020, 548, 123841.	1.2	2
1998	Cyber-Physical Energy and Power Systems. , 2020, , .		8
1999	Prevention and Mitigation of Catastrophic Failures in Demand-Supply Interdependent Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 1710-1723.	4.1	9
2000	Effectiveness of link-addition strategies for improving the robustness of both multiplex and interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123586.	1.2	17

#	ARTICLE	IF	CITATIONS
2001	Major impact of queue-rule choice on the performance of dynamic networks with limited buffer size*. Chinese Physics B, 2020, 29, 018901.	0.7	1
2002	Metanetwork Framework for Performance Analysis of Disaster Management System-of-Systems. IEEE Systems Journal, 2020, 14, 1265-1276.	2.9	15
2003	Traffic congestion in dynamical network with finite storage capacity. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123460.	1.2	3
2004	An integrated physical-social analysis of disrupted access to critical facilities and community service-loss tolerance in urban flooding. Computers, Environment and Urban Systems, 2020, 80, 101443.	3.3	85
2005	Dynamic Lines of Collaboration. Automation, Collaboration, and E-services, 2020, , .	0.5	4
2006	A new model for supply chain risk propagation considering herd mentality and risk preference under warning information on multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123506.	1.2	15
2007	Commercial Transport During a Pandemic: Network Analysis to Reconcile COVID-19 Diffusion and Vital Supply Chain Resilience. Journal of Occupational and Environmental Medicine, 2020, 62, e537-e538.	0.9	7
2008	A New Approach for Measuring the Resilience of Transport Infrastructure Networks. Complexity, 2020, 2020, 1-16.	0.9	4
2009	Research on the Transmission Ability of China's Thermal Coal Price Information Based on Directed Limited Penetrable Interdependent Network. Sustainability, 2020, 12, 7815.	1.6	0
2010	A link addition method based on uniformity of node degree in interdependent power grids and communication networks. Physica A: Statistical Mechanics and Its Applications, 2020, 560, 125112.	1.2	11
2011	Mitigation of cascading failures in complex networks. Scientific Reports, 2020, 10, 16124.	1.6	27
2012	Fragility of a multilayer network of intranational supply chains. Applied Network Science, 2020, 5, 71.	0.8	25
2013	Anomalous supply shortages from dynamic pricing in on-demand mobility. Nature Communications, 2020, 11, 4831.	5.8	15
2014	Co-adaptation enhances the resilience of mutualistic networks. Journal of the Royal Society Interface, 2020, 17, 20200236.	1.5	6
2015	Exploring the Space of Possibilities in Cascading Disasters with Catastrophe Dynamics. International Journal of Environmental Research and Public Health, 2020, 17, 7317.	1.2	10
2016	DIN II: incorporation of multi-level interdependencies and uncertainties for infrastructure system recovery modeling. Structure and Infrastructure Engineering, 2021, 17, 1566-1581.	2.0	8
2017	First-order synchronization transition in a large population of strongly coupled relaxation oscillators. Science Advances, 2020, 6, .	4.7	22
2018	The Target Recovery Strategy for Preventing Avalanche Breakdown on Interdependent Community Networks. Complexity, 2020, 2020, 1-13.	0.9	1

#	ARTICLE	IF	CITATIONS
2019	Effects of mutual traffic redistribution on robustness of interdependent networks to cascading failures under fluctuant load. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 560, 125138.	1.2	19
2020	Assessing the impact of systemic heterogeneity on failure propagation across interdependent critical infrastructure systems. <i>International Journal of Disaster Risk Reduction</i> , 2020, 50, 101818.	1.8	15
2021	Cyber-physical security for on-going smart grid initiatives: a survey. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2020, 5, 233-244.	1.9	29
2022	Link-usage asymmetry and collective patterns emerging from rich-club organization of complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18332-18340.	3.3	6
2023	Identifying Critical Regions in Industry Infrastructure: A Case Study of a Pipeline Network in Kansas, USA. <i>IEEE Access</i> , 2020, 8, 71093-71105.	2.6	0
2024	Strategic lines of collaboration in response to disruption propagation (CRDP) through cyber-physical systems. <i>International Journal of Production Economics</i> , 2020, 230, 107865.	5.1	6
2025	Resilience of Urban Transport Network-of-Networks under Intense Flood Hazards Exacerbated by Targeted Attacks. <i>Scientific Reports</i> , 2020, 10, 10350.	1.6	39
2026	Multilayer networks: aspects, implementations, and application in biomedicine. <i>Big Data Analytics</i> , 2020, 5, .	2.2	54
2027	Reliability Analysis of Communication Channels in Wide Area Monitoring Analysis Protection-control System. , 2020, , .		2
2028	Robustness and lethality in multilayer biological molecular networks. <i>Nature Communications</i> , 2020, 11, 6043.	5.8	61
2029	Modelling cascading failure of a CPS for topological resilience enhancement. <i>IET Smart Grid</i> , 2020, 3, 207-215.	1.5	11
2030	Finite-time optimal pinning control and synchronization for partially interdependent networks. <i>Optimal Control Applications and Methods</i> , 2020, 41, 2308-2319.	1.3	3
2031	An attack-defense game on interdependent networks. <i>Journal of the Operational Research Society</i> , 2021, 72, 2331-2341.	2.1	10
2032	Intralayer Synchronization of Multiplex Dynamical Networks via Pinning Impulsive Control. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 2110-2122.	6.2	30
2033	A network perspective on assessing system architectures: Robustness to cascading failure. <i>Systems Engineering</i> , 2020, 23, 597-616.	1.6	14
2034	Routing in Communication Networks With Interdependent Power Grid. <i>IEEE/ACM Transactions on Networking</i> , 2020, 28, 1899-1911.	2.6	15
2035	An Introduction to Complex Systems Science and Its Applications. <i>Complexity</i> , 2020, 2020, 1-16.	0.9	93
2036	Innovations and Interdisciplinary Solutions for Underserved Areas. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , .	0.2	0



#	ARTICLE	IF	CITATIONS
2037	A prescriptive model to assess the socio-demographics impacts of resilience improvements on power networks. International Journal of Disaster Risk Reduction, 2020, 51, 101777.	1.8	5
2038	Designing optimal multiplex networks for certain Laplacian spectral properties. Physical Review E, 2020, 102, 022302.	0.8	1
2039	Dependency-based targeted attacks in interdependent networks. Physical Review E, 2020, 102, 022301.	0.8	5
2040	Evolution of fairness by self-organized interdependence on interdependent networks. , 2020, , .		1
2041	Resilience-Based Optimal Recovery Strategy for Cyber-Physical Power Systems Considering Component Multistate Failures. IEEE Transactions on Reliability, 2021, 70, 1510-1524.	3.5	27
2042	Exploring the Dynamic Organization of Random and Evolved Boolean Networks. Algorithms, 2020, 13, 272.	1.2	0
2043	Cascading failures of overload behaviors on interdependent networks. , 2020, , .		1
2044	Building a trust-based doctor recommendation system on top of multilayer graph database. Journal of Biomedical Informatics, 2020, 110, 103549.	2.5	7
2045	Pair approximation for the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -voter model with independence on multiplex networks. Physical Review E, 2020, 102, 022314.	0.8	11
2046	Analysis of Research Parameters for Cascading Failures of Interdependent Network Based on the Giant Component. Journal of Physics: Conference Series, 2020, 1486, 022040.	0.3	0
2047	Modeling Interdependencies with Complex Network Theory in a Combined Electrical Power and ICT System. , 2020, , .		8
2048	Water Distribution-Transportation Interface Connectivity Responding to Urban Geospatial Morphology. Journal of Infrastructure Systems, 2020, 26, .	1.0	5
2049	Exotic critical behavior of weak multiplex percolation. Physical Review E, 2020, 102, 032301.	0.8	6
2050	From Awareness to Action: Accounting for Infrastructure Interdependencies in Disaster Response and Recovery Planning. GeoHealth, 2020, 4, e2020GH000251.	1.9	2
2051	Key node identification of wireless sensor networks based on cascade failure. Modern Physics Letters B, 2020, 34, 2050394.	1.0	5
2052	Efficient network immunization under limited knowledge. National Science Review, 2021, 8, nwaa229.	4.6	26
2053	Cascading failure of interdependent networks with dependence groups obeying different distributions. International Journal of Modern Physics C, 2020, 31, 2050107.	0.8	2
2054	Null models for multioptimized large-scale network structures. Physical Review E, 2020, 102, 032306.	0.8	0

#	ARTICLE	IF	CITATIONS
2055	Modelling and impact analysis of interdependent characteristics on cascading overload failure of syncretic railway networks. PLoS ONE, 2020, 15, e0239096.	1.1	2
2056	Security and Privacy in Social Networks and Big Data. Communications in Computer and Information Science, 2020, , .	0.4	1
2057	Rare events in complex systems: Understanding and prediction. Chaos, 2020, 30, 090401.	1.0	13
2058	Nonlinear model of cascade failure in weighted complex networks considering overloaded edges. Scientific Reports, 2020, 10, 13428.	1.6	13
2059	Robust design from systems physics. Scientific Reports, 2020, 10, 14334.	1.6	1
2060	Emergence of cascading dynamics in interacting tipping elements of ecology and climate. Royal Society Open Science, 2020, 7, 200599.	1.1	37
2061	Allocation of Radiation Shielding Boards to Protect the Urban Search and Rescue Robots from Malfunctioning in the Radioactive Environments Arising from Decommissioning of the Nuclear Facility. Symmetry, 2020, 12, 1297.	1.1	1
2062	Predicting Network Controllability Robustness: A Convolutional Neural Network Approach. IEEE Transactions on Cybernetics, 2022, 52, 4052-4063.	6.2	29
2063	Dynamic Defense against Stealth Malware Propagation in Cyber-Physical Systems: A Game-Theoretical Framework. Entropy, 2020, 22, 894.	1.1	3
2064	Disease spreading with social distancing: A prevention strategy in disordered multiplex networks. Physical Review E, 2020, 102, 022310.	0.8	6
2065	Control of synchronization in two-layer power grids. Physical Review E, 2020, 102, 022311.	0.8	23
2066	Vulnerability Assessment of Power Grids Against Link-Based Attacks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2209-2213.	2.2	18
2067	Discontinuous transition to loop formation in optimal supply networks. Nature Communications, 2020, 11, 5796.	5.8	16
2068	Power-law scaling to assist with key challenges in artificial intelligence. Scientific Reports, 2020, 10, 19628.	1.6	9
2069	History-dependent percolation in two dimensions. Physical Review E, 2020, 102, 052121.	0.8	4
2070	A Flexible Framework to Investigate Cascading in Interdependent Networks of Power Systems. , 2020, , .		2
2071	Resource dependency and survivability in complex networks. Physical Review E, 2020, 102, 062304.	0.8	3
2072	A holistic view on sector coupling. Energy Policy, 2020, 147, 111913.	4.2	66

#	ARTICLE	IF	CITATIONS
2073	Introduction and Preliminaries. , 2020, , 1-49.		0
2074	Multilayer network analysis of the drugs development cycle in the global pharmaceutical industry. Applied Network Science, 2020, 5, .	0.8	1
2075	Epidemic spreading and control strategies in spatial modular network. Applied Network Science, 2020, 5, 95.	0.8	13
2076	Effects of Malware Attacks on the Cascading Failure of Cyber-physical Power System. Journal of Physics: Conference Series, 2020, 1624, 062005.	0.3	1
2077	Emergence in cyber-physical systems: potential and risk. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 1554-1566.	1.5	4
2078	Modelling and simulation in complex system governance. International Journal of System of Systems Engineering, 2020, 10, 262.	0.4	8
2079	Cascading failure dynamic of cyber-physical power system considering malware attacks. Journal of Physics: Conference Series, 2020, 1592, 012015.	0.3	0
2080	A mathematical model for assessing security of restricted-access information. IOP Conference Series: Materials Science and Engineering, 2020, 862, 052040.	0.3	0
2081	Research on Robustness of Coupling Networks Based on Multi-subnet Composite Complex Network Model. , 2020, , .		1
2082	Effects of Coupling Patterns on Functionality and Robustness of Cyber-Coupled Power Systems. , 2020, , .		1
2083	Role of bridge nodes in epidemic spreading: Different regimes and crossovers. Physical Review E, 2020, 102, 032308.	0.8	5
2084	Security Evaluation under Different Exchange Strategies Based on Heterogeneous CPS Model in Interdependent Sensor Networks. Sensors, 2020, 20, 6123.	2.1	8
2085	A Survey on Frameworks Used for Robustness Analysis on Interdependent Networks. Complexity, 2020, 2020, 1-17.	0.9	15
2086	Cooperation on Interdependent Networks by Means of Migration and Stochastic Imitation. Entropy, 2020, 22, 485.	1.1	53
2087	Optimal load redistribution on interdependent networks under a novel flow interaction model. International Journal of Modern Physics B, 2020, 34, 2050104.	1.0	1
2088	Hysteresis and criticality in hybrid percolation transitions. Chaos, 2020, 30, 051102.	1.0	3
2089	The Robustness of Interdependent Networks With Traffic Loads and Dependency Groups. IEEE Access, 2020, 8, 98449-98459.	2.6	7
2090	Hybrid Method of Recovery: Combining Topology and Optimization for Transportation Systems. Journal of Infrastructure Systems, 2020, 26, .	1.0	7

#	ARTICLE	IF	CITATIONS
2091	Cascading failures in complex networks. <i>Journal of Complex Networks</i> , 2020, 8, .	1.1	26
2092	A Hetero-functional Graph Analysis of Electric Power System Structural Resilience. , 2020, , .		9
2093	Citation network analysis of vulnerability studies in the fields of transportation and complex networks. <i>Transportation Research Procedia</i> , 2020, 47, 369-376.	0.8	5
2094	Toward General Principles for Resilience Engineering. <i>Risk Analysis</i> , 2020, 40, 1509-1537.	1.5	39
2095	The Fragile World Hypothesis: Complexity, Fragility, and Systemic Existential Risk. <i>Futures</i> , 2020, 122, 102570.	1.4	17
2096	Mean-field effects on the aging transitions in the damaged networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126605.	0.9	0
2097	Automated Realistic Testbed Synthesis for Power System Communication Networks based on Graph Metrics. , 2020, , .		2
2098	Interaction Graphs for Cascading Failure Analysis in Power Grids: A Survey. <i>Energies</i> , 2020, 13, 2219.	1.6	22
2099	Effective altruism despite the second-best challenge: Should indirect effects Be taken into account for policies for a better future?. <i>Futures</i> , 2020, 121, 102568.	1.4	2
2100	Emergency preparedness after COVID-19: A review of policy statements in the U.S. water sector. <i>Utilities Policy</i> , 2020, 64, 101058.	2.1	41
2101	An asymmetric interdependent networks model for cyber-physical systems. <i>Chaos</i> , 2020, 30, 053135.	1.0	20
2102	Resources Allocation at the Physical Layer for Network Function Virtualization Deployment. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 2771-2784.	3.9	2
2103	Percolation Theories for Multipartite Networked Systems under Random Failures. <i>Complexity</i> , 2020, 2020, 1-12.	0.9	0
2104	Method to enhance traffic capacity for multilayer networks. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050140.	1.0	4
2105	Networks beyond pairwise interactions: Structure and dynamics. <i>Physics Reports</i> , 2020, 874, 1-92.	10.3	661
2106	Non-Markovian recovery makes complex networks more resilient against large-scale failures. <i>Nature Communications</i> , 2020, 11, 2490.	5.8	17
2107	Lessons learned in evaluating the infrastructure of a Centre for Translational Research. <i>Evaluation Journal of Australasia</i> , 2020, 20, 6-22.	0.4	6
2108	Multiple phase transition in the non-symmetrical interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 556, 124822.	1.2	7

#	ARTICLE	IF	CITATIONS
2109	The elongation-criterion for fracture toughness of hydrogels based on percolation model. Journal of Applied Physics, 2020, 127, .	1.1	9
2110	Perspectives from CO+RE: How COVID-19 changed our food systems and food security paradigms. Current Research in Food Science, 2020, 3, 166-172.	2.7	134
2111	Towards Optimal Robustness of Network Controllability: An Empirical Necessary Condition. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 3163-3174.	3.5	21
2112	Data Based Reconstruction of Duplex Networks. SIAM Journal on Applied Dynamical Systems, 2020, 19, 124-150.	0.7	28
2113	Analysis of network cascading failure based on the cluster aggregation in cyber-physical systems. Reliability Engineering and System Safety, 2020, 202, 106963.	5.1	20
2114	Reliability Modeling and Evaluation of Urban Multi-Energy Systems: A Review of the State of the Art and Future Challenges. IEEE Access, 2020, 8, 98887-98909.	2.6	25
2115	A multilabel classification approach to identify hurricane-induced infrastructure disruptions using social media data. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 1387-1402.	6.3	25
2116	Cyber-Physical System Security. , 2020, , 107-119.		0
2117	Robustness of interdependent networks based on bond percolation. Europhysics Letters, 2020, 130, 38003.	0.7	5
2118	Asymmetric interdependent networks with multiple-dependence relation. Physical Review E, 2020, 101, 022314.	0.8	14
2119	Great Transitions in Economic History. , 2020, , 3-14.		0
2120	Growth, Form, and Self-Organization in the Economy. , 2020, , 15-56.		0
2121	Human Evolutionary Behavior and Political Economy. , 2020, , 57-76.		0
2122	Modeling and Vulnerability Analysis of Cyber-Physical Power Systems Based on Community Theory. IEEE Systems Journal, 2020, 14, 3938-3948.	2.9	40
2124	Network Assemblage of Regime Stability and Resilience in Europe and China. , 2020, , 79-111.		0
2125	Network Formation and the Emergence of Law: From Feudalism to Small-World Connectivity. , 2020, , 112-147.		0
2126	The Network Foundations of the Great Divergence. , 2020, , 148-178.		0
2127	Has the Baton Passed to China?. , 2020, , 181-199.		0

#	ARTICLE	IF	CITATIONS
2128	China's Ambitions and the Future of the Global Economy. , 2020, , 200-226.		0
2129	Global Networks over Time. , 2020, , 227-255.		0
2130	A Future of Diminishing Returns or Massive Transformation?. , 2020, , 256-265.		0
2131	Network Structure and Economic Change: East vs. West. , 2020, , 266-278.		0
2133	Dynamic evolutionary metamodel analysis of the vulnerability of complex systems. Chaos, 2020, 30, 033127.	1.0	0
2134	MULTI-HOP GENERALIZED CORE PERCOLATION ON COMPLEX NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2020, 23, 2050001.	0.9	3
2135	Interdependent Networks: A Data Science Perspective. Patterns, 2020, 1, 100003.	3.1	10
2136	Decentralized Decision Making for the Restoration of Interdependent Networks. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, .	1.1	20
2137	Optimizing the Coherence of a Network of Networks. IEEE Transactions on Control of Network Systems, 2020, 7, 1465-1475.	2.4	7
2138	Evaluation of cyber-physical power systems in cascading failure: node vulnerability and systems connectivity. IET Generation, Transmission and Distribution, 2020, 14, 1197-1206.	1.4	20
2139	Unveiling causal interactions in complex systems. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7599-7605.	3.3	25
2140	A multiplex, multi-timescale model approach for economic and frequency control in power grids. Chaos, 2020, 30, 033138.	1.0	3
2141	A Probabilistic Cascading Failure Model for Dynamic Operating Conditions. IEEE Access, 2020, 8, 61741-61753.	2.6	4
2142	Security Analysis of CPS Systems Under Different Swapping Strategies in IoT Environments. IEEE Access, 2020, 8, 63567-63576.	2.6	22
2143	The whole is greater than the sum of its parts: a holistic graph-based assessment approach for natural hazard risk of complex systems. Natural Hazards and Earth System Sciences, 2020, 20, 521-547.	1.5	17
2144	Multiple traffic states and Braess' paradox in dynamical networks with limited buffer size. Europhysics Letters, 2020, 129, 38001.	0.7	2
2145	Evolution and Evaluation of the Guangzhou Metro Network Topology Based on an Integration of Complex Network Analysis and GIS. Sustainability, 2020, 12, 538.	1.6	12
2146	Travel time analysis in the Chinese coupled aviation and high-speed rail network. Chaos, Solitons and Fractals, 2020, 139, 109973.	2.5	11

#	ARTICLE	IF	CITATIONS
2147	Study on attack paths of cyber attack in cyber-physical power systems. IET Generation, Transmission and Distribution, 2020, 14, 2352-2360.	1.4	23
2148	Algorithmic Complexity of Multiplex Networks. Physical Review X, 2020, 10, .	2.8	10
2149	Identifying highly influential nodes in multilayer networks based on global propagation. Chaos, 2020, 30, 061107.	1.0	4
2150	Depth Penetration and Scope Extension of Failures in the Cascading of Multilayer Networks. Complexity, 2020, 2020, 1-11.	0.9	2
2151	Robustness in Multilayer Networks Under Strategical and Random Attacks. Procedia Computer Science, 2020, 173, 94-103.	1.2	11
2152	Symmetries and cluster synchronization in multilayer networks. Nature Communications, 2020, 11, 3179.	5.8	60
2153	Delineating Infrastructure Failure Interdependencies and Associated Stakeholders through News Mining: The Case of Hong Kong's Water Pipe Bursts. Journal of Management in Engineering - ASCE, 2020, 36, .	2.6	15
2154	Explosive synchronization in multilayer dynamically dissimilar networks. Journal of Computational Science, 2020, 46, 101177.	1.5	12
2155	Analyzing the potential impact of BREXIT on the European research collaboration network. Chaos, 2020, 30, 063145.	1.0	4
2156	A Stochastic Model of Cascading Failure Dynamics in Cyber-Physical Power Systems. IEEE Systems Journal, 2020, 14, 4626-4637.	2.9	39
2157	Identifying and mitigating security risks for secure and robust NGI networks. Sustainable Cities and Society, 2020, 59, 102098.	5.1	9
2158	Cascading failures in networks of heterogeneous node behavior. Physical Review E, 2020, 101, 020301.	0.8	10
2159	Interplay of trade and food system resilience: Gains on supply diversity over time at the cost of trade independency. Global Food Security, 2020, 24, 100360.	4.0	88
2160	Additional repulsion reduces the dynamical resilience in the damaged networks. Chaos, 2020, 30, 023132.	1.0	8
2161	Interconnections between networks acting like an external field in a first-order percolation transition. Physical Review E, 2020, 101, 022316.	0.8	16
2162	Social vulnerability and equity perspectives on interdependent infrastructure network component importance. Sustainable Cities and Society, 2020, 57, 102072.	5.1	46
2163	Risk propagation and mitigation of design change for complex product development (CPD) projects based on multilayer network theory. Computers and Industrial Engineering, 2020, 142, 106370.	3.4	27
2164	Influence of Interlink Topology on Multilayer Network Robustness. Sustainability, 2020, 12, 1202.	1.6	2

#	ARTICLE	IF	CITATIONS
2165	Returning home after Superstorm Sandy: phases in the return-entry process. <i>Natural Hazards</i> , 2020, 101, 195-215.	1.6	10
2166	Invariance and stability conditions of interlayer synchronization manifold. <i>Physical Review E</i> , 2020, 101, 012308.	0.8	12
2167	Transition of synchronization of coupled maps in modular networks. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050011.	0.8	1
2168	Information Flow Modeling and Performance Evaluation of Communication Networks Serving Power Grids. <i>IEEE Access</i> , 2020, 8, 13735-13747.	2.6	12
2169	Scaling of percolation transitions on Erdős-Rényi networks under centrality-based attacks. <i>Physical Review E</i> , 2020, 101, 012306.	0.8	13
2170	Faster calculation of the percolation correlation length on spatial networks. <i>Physical Review E</i> , 2020, 101, 013306.	0.8	4
2171	Traffic Dynamics Evaluation for the Future NFV Deployment. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 2214-2218.	2.2	3
2172	Inter-layer synchronization in two-layer networks via variable substitution control. <i>Journal of the Franklin Institute</i> , 2020, 357, 2371-2387.	1.9	15
2173	A minimum cut-set vulnerability analysis of power networks. <i>Sustainable Energy, Grids and Networks</i> , 2020, 21, 100302.	2.3	9
2174	Group Consensus in Multilayer Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 2016-2026.	4.1	13
2175	Evolution of cooperation with individual diversity on interdependent weighted networks. <i>New Journal of Physics</i> , 2020, 22, 013034.	1.2	5
2176	Improving Robustness of Interdependent Networks by Reducing Key Unbalanced Dependency Links. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 3187-3191.	2.2	9
2177	Short-Term Solutions to a Long-Term Challenge: Rethinking Disaster Recovery Planning to Reduce Vulnerabilities and Inequities. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 482.	1.2	54
2178	Research Progress in Enhancing the Controllability of Complex Networks. <i>Discrete Dynamics in Nature and Society</i> , 2020, 2020, 1-8.	0.5	2
2179	Quantitative Invulnerability Analysis of Artificial Spider-Web Topology Model Based on End-to-End Delay. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-11.	0.8	2
2180	Network endurance against cascading overload failure. <i>Reliability Engineering and System Safety</i> , 2020, 201, 106916.	5.1	21
2181	Cascading failures in networks with the harmonic closeness under edge attack strategies. <i>Chaos, Solitons and Fractals</i> , 2020, 135, 109772.	2.5	20
2182	History-dependent percolation on multiplex networks. <i>National Science Review</i> , 2020, 7, 1296-1305.	4.6	13



#	ARTICLE	IF	CITATIONS
2183	How motifs condition critical thresholds for tipping cascades in complex networks: Linking micro- to macro-scales. <i>Chaos</i> , 2020, 30, 043129.	1.0	18
2184	Altered inter-frequency dynamics of brain networks in disorder of consciousness. <i>Journal of Neural Engineering</i> , 2020, 17, 036006.	1.8	22
2185	Evolution of cooperation in a conformity-driven evolving dynamic social network. <i>Applied Mathematics and Computation</i> , 2020, 379, 125251.	1.4	10
2186	Extreme events in stochastic transport on networks. <i>Chaos</i> , 2020, 30, 043111.	1.0	8
2187	Intralayer Synchronization in Evolving Multiplex Hypernetworks: Analytical Approach. <i>SIAM Journal on Applied Dynamical Systems</i> , 2020, 19, 918-963.	0.7	34
2188	Effect of overlap on spreading dynamics on multiplex networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 043402.	0.9	8
2189	Improving the robustness of spatial networks by link addition: more and dispersed links perform better. <i>Nonlinear Dynamics</i> , 2020, 100, 2287-2298.	2.7	7
2190	Network-of-Networks Framework for Multimodal Hazmat Transportation Risk Mitigation: Application to Used Nuclear Fuel in Canada. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, .	1.2	12
2191	Structural health analysis on cyber physical system based on reliability. <i>Journal of Supercomputing</i> , 2021, 77, 445-470.	2.4	6
2192	Failure Mitigation and Restoration in Interdependent Networks via Mixed-Integer Optimization. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 1293-1304.	4.1	6
2193	Distributed Stabilization of Two Interdependent Markov Jump Linear Systems With Partial Information. , 2021, 5, 713-718.		2
2194	Infection-Probability-Dependent Interlayer Interaction Propagation Processes in Multiplex Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 1085-1096.	5.9	15
2195	Finding Influential Nodes in Multiplex Networks Using a Memetic Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 900-912.	6.2	43
2196	A Three-Layer Model for Studying Metro Network Dynamics. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2665-2675.	5.9	6
2197	Fault-Tolerant Control of Multilayer Interconnected Nonlinear Systems: An Inclusion Principle Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2403-2414.	5.9	10
2198	Post-disaster recovery in industrial sectors: A Markov process analysis of multiple lifeline disruptions. <i>Reliability Engineering and System Safety</i> , 2021, 206, 107299.	5.1	8
2199	Symmetry breaking in the prisonerâ€™s dilemma on two-layer dynamic multiplex networks. <i>Applied Mathematics and Computation</i> , 2021, 388, 125543.	1.4	5
2200	Percolation in multilayer complex networks with connectivity and interdependency topological structures. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 92, 105492.	1.7	17

#	ARTICLE	IF	CITATIONS
2201	How Connected is Too Connected? Impact of Network Topology on Systemic Risk and Collapse of Complex Economic Systems. <i>Computational Economics</i> , 2021, 57, 1327-1351.	1.5	5
2202	Continuous Phase Transition of k-Partite Networks. <i>IEEE Systems Journal</i> , 2021, 15, 1140-1148.	2.9	2
2203	Vulnerability studies in the fields of transportation and complex networks: a citation network analysis. <i>Public Transport</i> , 2021, 13, 1-34.	1.7	12
2204	Statistical physics approaches to the complex Earth system. <i>Physics Reports</i> , 2021, 896, 1-84.	10.3	79
2205	Evolution of cooperation driven by collective interdependence on multilayer networks. <i>Applied Mathematics and Computation</i> , 2021, 388, 125532.	1.4	6
2206	Assessment of the robustness of cyber-physical systems using small-worldness of weighted complex networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106486.	3.3	8
2207	MLPRA: An MCDS and Link-Priority-Based Network Repair Algorithm for Smart Grid. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 4882-4891.	7.2	3
2208	A literature review on network reliability analysis and its engineering applications. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2021, 235, 167-181.	0.6	18
2209	Memory-based prisoner's dilemma game with history optimal strategy learning promotes cooperation on interdependent networks. <i>Applied Mathematics and Computation</i> , 2021, 390, 125675.	1.4	7
2210	A survey of community detection methods in multilayer networks. <i>Data Mining and Knowledge Discovery</i> , 2021, 35, 1-45.	2.4	78
2211	Robustness assessment of multimodal freight transport networks. <i>Reliability Engineering and System Safety</i> , 2021, 207, 107315.	5.1	47
2212	Asymmetric feedback enhances rhythmicity in damaged systems of coupled fractional oscillators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 93, 105501.	1.7	4
2213	Robustness of supply chain networks against underload cascading failures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 563, 125466.	1.2	28
2214	Scale-Free Networks: Characteristics of the Time-Variant Robustness and Vulnerability. <i>IEEE Systems Journal</i> , 2021, 15, 4082-4092.	2.9	7
2215	Generic Detectability and Isolability of Topology Failures in Networked Linear Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2021, 8, 500-512.	2.4	7
2216	Impacts of module-aligned patterns on risk cascading propagation in complex product development (CPD) interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 564, 125531.	1.2	10
2217	Percolation on interdependent networks with cliques and weak interdependence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 566, 125612.	1.2	11
2218	Opinion evolution in the Sznajd model on interdependent chains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 565, 125558.	1.2	3

#	ARTICLE	IF	CITATIONS
2219	Characterization of Vulnerability of Road Networks to Random and Nonrandom Disruptions Using Network Percolation Approach. <i>Journal of Computing in Civil Engineering</i> , 2021, 35, .	2.5	15
2220	Multilayer information spillover networks: measuring interconnectedness of financial institutions. <i>Quantitative Finance</i> , 2021, 21, 1163-1185.	0.9	42
2221	Enhancing Coupled Networks Robustness via Removing Key Fragile Dependency Links. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 953-957.	2.2	3
2222	Chaotic neural network model for SMISs reliability prediction based on interdependent network SMISs reliability prediction by chaotic neural network. <i>Quality and Reliability Engineering International</i> , 2021, 37, 717-742.	1.4	16
2223	Cascading Failures in Internet of Things: Review and Perspectives on Reliability and Resilience. <i>IEEE Internet of Things Journal</i> , 2021, 8, 44-64.	5.5	85
2224	A Framework for Modeling and Structural Vulnerability Analysis of Spatial Cyber-Physical Power Systems From an Attackâ€Defense Perspective. <i>IEEE Systems Journal</i> , 2021, 15, 1369-1380.	2.9	21
2225	Cascading Failure Analysis of Cyberâ€Physical Power Systems Considering Routing Strategy. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2023, 70, 136-140.	2.2	7
2226	A Stochastic Modeling Approach for Cascading Failures in Cyberphysical Power Systems. <i>IEEE Systems Journal</i> , 2022, 16, 723-734.	2.9	6
2227	Complexity Time Bomb. , 2021, , 17-34.		0
2228	Recovery patterns and physics of the network. <i>PLoS ONE</i> , 2021, 16, e0245396.	1.1	5
2229	A â€Social Bitcoinâ€Could Sustain a Democratic Digital World. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021, , 39-51.	0.2	2
2230	The risk of the electrical power grid due to natural hazards and recovery challenge following disasters and record floods: What next?. , 2021, , 215-238.		2
2231	State of the research on disaster risk management of interdependent infrastructure systems for community resilience planning. <i>Sustainable and Resilient Infrastructure</i> , 2022, 7, 391-420.	1.7	4
2232	A Tutorial on Modeling and Analysis of Cascading Failure in Future Power Grids. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 49-55.	2.2	25
2235	Tradeoff Between Robustness and Functionality in Cyber-Coupled Power Systems. <i>IEEE Systems Journal</i> , 2022, 16, 499-509.	2.9	4
2236	Resilience Characterization for Multilayer Infrastructure Networks. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2022, 14, 121-132.	2.6	2
2237	Comparison Between Centrality Measures for a Network Based on Cascading Nature of Nodes. <i>Lecture Notes in Networks and Systems</i> , 2021, , 181-187.	0.5	2
2238	Network Science for Communication Engineering. <i>Advances in Information Quality and Management</i> , 2021, , 939-949.	0.3	0

#	ARTICLE	IF	CITATIONS
2239	Network Properties for Robust Multilayer Infrastructure Systems: A Percolation Theory Review. IEEE Access, 2021, 9, 135755-135773.	2.6	6
2240	NSKSD: Interdependent Network Dismantling via Nonlinear-Metric. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1722-1726.	2.2	2
2241	Resilient Control Systemsâ€™Basis, Benchmarking and Benefit. IEEE Access, 2021, 9, 57565-57577.	2.6	3
2242	Modeling Repeated Rumor Spreading in Coupled Social Networks. IEEE Access, 2021, 9, 89732-89740.	2.6	5
2243	Application of Percolation Theory to Statistical Topographies. , 2021, , 323-341.		0
2244	Explosive Percolation Processes. , 2021, , 405-418.		0
2245	Power Grids as Complex Networks: Resilience and Reliability Analysis. IEEE Access, 2021, 9, 119010-119031.	2.6	30
2246	A Complex Network Framework for Validated Assessments of Systems of Systems Robustness. IEEE Systems Journal, 2022, 16, 1092-1102.	2.9	8
2247	Impacts of Individualsâ€™ Trust in Information Diffusion of the Weighted Multiplex Networks. Communications in Computer and Information Science, 2021, , 130-141.	0.4	0
2248	Internetwork connectivity of molecular networks across species of life. Scientific Reports, 2021, 11, 1168.	1.6	2
2249	Percolation thresholds for robust network connectivity. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 013212.	0.9	4
2250	A Self-Updating K-Contingency List for Smart Grid System. , 2021, , .		0
2251	Enhancing Robustness and Transmission Performance of Heterogeneous Complex Networks via Multiobjective Optimization. IEEE Systems Journal, 2021, , 1-12.	2.9	1
2252	A Vector Logistic Dynamical Approach to Epidemic Evolution on Interacting Social-Contact and Production-Capacity Graphs. IFIP Advances in Information and Communication Technology, 2021, , 13-22.	0.5	3
2253	Enhancing Robustness and Resilience of Multiplex Networks Against Node-Community Cascading Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3808-3821.	5.9	11
2254	Design and Implementation of Collaborative Filtering Recommendation Algorithm for Multi-layer Networks. Communications in Computer and Information Science, 2021, , 32-50.	0.4	0
2255	Robustness analysis of cyber-physical power system based on reachable matrix. Systems Science and Control Engineering, 2021, 9, 631-640.	1.8	1
2256	Spreader events and the limitations of projected networks for capturing dynamics on multipartite networks. Physical Review E, 2021, 103, 022320.	0.8	1

#	ARTICLE	IF	CITATIONS
2257	Online Failure Diagnosis in Interdependent Networks. SN Operations Research Forum, 2021, 2, 1.	0.6	3
2258	Exploring Recovery Strategies for Optimal Interdependent Infrastructure Network Resilience. Networks and Spatial Economics, 2021, 21, 229-260.	0.7	18
2259	Performance assessment of K-out-of-N safety instrumented systems subject to cascading failures. ISA Transactions, 2021, 118, 35-43.	3.1	9
2260	Re-framing the threat of global warming: an empirical causal loop diagram of climate change, food insecurity and societal collapse. Climatic Change, 2021, 164, 1.	1.7	46
2261	The Long Shadow of Fatalism: a Philosophical Speculation on Forster's "the Machine Stops" (1909) on the Disintegration of Technologically Advanced Societies Back Then and Today. Philosophy of Management, 2021, , 1-9.	0.7	0
2262	Network resilience of FitzHugh-Nagumo neurons in the presence of nonequilibrium dynamics. Physical Review E, 2021, 103, 022314.	0.8	2
2263	Study on cross-space risk interaction mechanism in CPS system under network attack. IOP Conference Series: Earth and Environmental Science, 2021, 675, 012165.	0.2	1
2264	A next step in disruption management: combining operations research and complexity science. Public Transport, 2022, 14, 5-26.	1.7	9
2265	The Node Vector Distance Problem in Complex Networks. ACM Computing Surveys, 2021, 53, 1-27.	16.1	5
2266	A novel bilateral protocol in the bipartite network based on the public goods game. Knowledge-Based Systems, 2021, 214, 106721.	4.0	2
2267	Greedy control of cascading failures in interdependent networks. Scientific Reports, 2021, 11, 3276.	1.6	6
2268	Percolation of heterogeneous flows uncovers the bottlenecks of infrastructure networks. Nature Communications, 2021, 12, 1254.	5.8	47
2269	Enhanced robustness of single-layer networks with redundant dependencies. Physical Review E, 2021, 103, 022321.	0.8	4
2270	Crash behavior modeling and analysis on two interdependent networks. Modern Physics Letters B, 2021, 35, 2150182.	1.0	0
2271	An efficient resource allocation strategy for multilayer networks. International Journal of Modern Physics B, 2021, 35, 2150073.	1.0	3
2272	Community vulnerability perspective on robust protection planning in interdependent infrastructure networks. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2021, 235, 798-813.	0.6	1
2273	Systemic stress test model for shared portfolio networks. Scientific Reports, 2021, 11, 3358.	1.6	7
2274	Explosive synchronization in multilayer networks through partial adaptation. Chaos, Solitons and Fractals, 2021, 143, 110621.	2.5	12

#	ARTICLE	IF	CITATIONS
2275	k-core percolation on interdependent and interconnected multiplex networks. Europhysics Letters, 2021, 133, 48003.	0.7	9
2276	Percolation on coupled networks with multiple effective dependency links. Chaos, 2021, 31, 033152.	1.0	7
2277	The Analysis and Application of Decentralized Cyber Layer and Distributed Security Control for Interconnected Conurbation Grids under Catastrophic Cascading Failures. , 2021, , .		1
2278	Multihazards Scenario Generator: A Networkâ€Based Simulation of Natural Disasters. Risk Analysis, 2021, 41, 2154-2176.	1.5	10
2279	Identifying and Ranking Influential Nodes in Complex Networks Based on Dynamic Node Strength. Algorithms, 2021, 14, 82.	1.2	8
2280	Study of Cascading Failure in Multisubnet Composite Complex Networks. Symmetry, 2021, 13, 523.	1.1	37
2281	An efficient layer node attack strategy to dismantle large multiplex networks. European Physical Journal B, 2021, 94, 1.	0.6	3
2282	Multilayer representation of collaboration networks with higher-order interactions. Scientific Reports, 2021, 11, 5666.	1.6	50
2283	Network analysis and spatial agglomeration of Chinaâ€™s high-speed rail: A dual network approach*. Chinese Physics B, 2021, 30, 018901.	0.7	5
2284	Breakdown in interdependent directed networks under targeted attacks. Europhysics Letters, 2021, 133, 68004.	0.7	6
2285	Robustness improvement for cyber physical system based on an optimization model of interdependent constraints. Chaos, 2021, 31, 033125.	1.0	4
2286	When Smart Systems Fail: The Ethics of Cyberâ€Physical Critical Infrastructure Risk. IEEE Transactions on Technology and Society, 2021, 2, 6-14.	2.4	7
2287	Distribution of blackouts in the power grid and the Motter and Lai model. Physical Review E, 2021, 103, 032309.	0.8	9
2288	Identifying and Analyzing Dependencies in and among Complex Cyber Physical Systems. Sensors, 2021, 21, 1685.	2.1	11
2289	A Security Scheme Based on Intranal-Adding Links for Integrated Industrial Cyber-Physical Systems. Sensors, 2021, 21, 2794.	2.1	0
2290	Analysis of cascading failures of power cyber-physical systems considering false data injection attacks. Global Energy Interconnection, 2021, 4, 204-213.	1.4	14
2291	Mining the features of spatial adjacency relationships to improve the classification of high resolution remote sensing images based on complex network. Applied Soft Computing Journal, 2021, 102, 107089.	4.1	6
2292	Research on Dynamic Interaction Mechanism of Power Distribution Information Physical System. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
2293	The intermediary players affect the altruism behavior on the bipartite network. Europhysics Letters, 2021, 134, 18004.	0.7	0
2294	Percolation on complex networks: Theory and application. Physics Reports, 2021, 907, 1-68.	10.3	141
2295	Role of Recovery in Evolving Protection against Systemic Risk: A Mechanical Perspective in Network-Agent Dynamics. Complexity, 2021, 2021, 1-23.	0.9	2
2296	Robustness of interdependent multi-model addressing networks. Science China Information Sciences, 2021, 64, 1.	2.7	2
2297	Interdependent transport via percolation backbones in spatial networks. Physica A: Statistical Mechanics and Its Applications, 2021, 567, 125644.	1.2	5
2298	Quantum mechanical model of information sharing in social networks. Social Network Analysis and Mining, 2021, 11, 1.	1.9	4
2299	Avoidance, adjacency, and association in distributed systems design. Journal of Physics Complexity, 2021, 2, 025015.	0.9	1
2300	Vulnerability Assessment of Power Cyber-Physical System Considering Nodes Load Capacity. , 2021, , .		6
2301	What Impact Will the New-Built Metro Bring to the Transportation of Second-Tier Cities? From the Perspective of a Multilayer Complex Network. Urban Rail Transit, 2021, 7, 117-127.	0.9	5
2302	Percolation on feature-enriched interconnected systems. Nature Communications, 2021, 12, 2478.	5.8	17
2303	A Survey of Machine Learning-based Cyber-physical Attack Generation, Detection, and Mitigation in Smart-Grid. , 2021, , .		6
2304	Percolation of attack with tunable limited knowledge. Physical Review E, 2021, 103, 042316.	0.8	8
2305	Quantifying the Resilience of the U.S. Domestic Aviation Network During the COVID-19 Pandemic. Frontiers in Built Environment, 2021, 7, .	1.2	9
2306	A framework for credit-driven smart manufacturing service configuration based on complex networks. International Journal of Computer Integrated Manufacturing, 2022, 35, 1107-1132.	2.9	1
2307	An interdependent network coupling strategy based on overlapping link structure against targeted attack. International Journal of Modern Physics C, 2021, 32, 2150101.	0.8	2
2308	A scoping review of internal hospital crises and disasters in the Netherlands, 2000â€“2020. PLoS ONE, 2021, 16, e0250551.	1.1	13
2309	Information exchange promotes and jeopardizes cooperation on interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2021, 569, 125772.	1.2	13
2310	Distributed optimization method with weighted gradients for economic dispatch problem of multi-microgrid systems. Energy, 2021, 222, 119898.	4.5	34

#	ARTICLE	IF	CITATIONS
2311	Recovering dynamic networks in big static datasets. Physics Reports, 2021, 912, 1-57.	10.3	29
2312	Optimal Coupling Pattern of Cyber-Physical Systems. , 2021, , .		0
2313	Multi-Level Planning for Enhancing Critical Infrastructure Resilience against Power Shortagesâ€”An Analysis of the Swedish System of Styrel. Infrastructures, 2021, 6, 71.	1.4	1
2314	Feasibility Analysis of Reliability Analysis Methods Applying in Air Traffic Control System. Journal of Physics: Conference Series, 2021, 1910, 012005.	0.3	0
2315	Cascading failures in coupled map lattices with sustained attack. International Journal of Modern Physics C, 2021, 32, 2150126.	0.8	0
2316	A pursuit to reliability â€” Toward a structural based reliability framework (FSR). International Journal of Quality and Reliability Management, 2021, ahead-of-print, .	1.3	0
2317	Multilayer information spillover networks analysis of Chinaâ€™s financial institutions based on variance decompositions. International Review of Economics and Finance, 2021, 73, 325-347.	2.2	65
2318	Simulation-based vulnerability assessment in transit systems with cascade failures. Journal of Cleaner Production, 2021, 295, 126441.	4.6	15
2319	Key node and network performance analysis of 5G smart power plant based on complex network. , 2021, , .		0
2320	Assessing the Vulnerability of Cyber-Coupled Power Systems to Component Failures. , 2021, , .		2
2321	Dynamical robustness of networks based on betweenness against multi-node attack*. Chinese Physics B, 2021, 30, 050501.	0.7	4
2322	Dependent infrastructure system modeling: A case study of the St. Kitts power and water distribution systems. Reliability Engineering and System Safety, 2021, 209, 107421.	5.1	4
2323	Belief Reliability Analysis of Traffic Network: An Uncertain Percolation Semi-Markov Model. Journal of the Franklin Institute, 2023, 360, 12463-12479.	1.9	3
2324	Optimal resilience of modular interacting networks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	41
2325	Autonomous Relay Device Placement Algorithm for Avoiding Cascading Failure in D2D-Based Social Networking Service. IEICE Transactions on Information and Systems, 2021, E104.D, 597-605.	0.4	2
2326	Resilience Quantification of Smart Distribution Networksâ€”A Birdâ€™s Eye View Perspective. Energies, 2021, 14, 2888.	1.6	4
2327	Percolation transitions in growing networks under achioplas processes: Analytic solutions. Chaos, Solitons and Fractals, 2021, 146, 110889.	2.5	0
2328	Active learning and relevance vector machine in efficient estimate of basin stability for large-scale dynamic networks. Chaos, 2021, 31, 053129.	1.0	11



#	ARTICLE	IF	CITATIONS
2329	Research on Complex Characteristics and Vulnerability of Power Communication Network. , 2021, , .		1
2330	Propagation model of cascading failure based on discrete dynamical system. Reliability Engineering and System Safety, 2021, 209, 107424.	5.1	22
2331	A Memetic Algorithm for Optimizing Inter-links to Enhance the Robustness of Interdependent Networks Against Malicious Attacks. , 2021, , .		2
2332	Robustness of Cyber-Physical Supply Networks in Cascading Failures. Entropy, 2021, 23, 769.	1.1	8
2333	Cyber-Physical Power System (CPPS): A review on measures and optimization methods of system resilience. Frontiers of Engineering Management, 2021, 8, 503-518.	3.3	17
2334	Evolutionary Computation in Social Propagation over Complex Networks: A Survey. International Journal of Automation and Computing, 2021, 18, 503-520.	4.5	3
2335	Deep learning super-diffusion in multiplex networks. Journal of Physics Complexity, 2021, 2, 035011.	0.9	0
2336	Automatic Overcurrent Protection Coordination after Distribution Network Reconfiguration Based on Peer-To-Peer Communication. Energies, 2021, 14, 3253.	1.6	12
2337	Interorganizational Knowledge Networks, R&D Alliance Networks, and Innovation Capability: A Multilevel Network Perspective. Complexity, 2021, 2021, 1-22.	0.9	5
2338	A Comprehensive Analysis of Robustness in Interdependent Mechatronic Systems under Attack Strategies. Discrete Dynamics in Nature and Society, 2021, 2021, 1-12.	0.5	0
2339	Abnormal dynamics in cascading model with gravitational effect. Nonlinear Dynamics, 2021, 105, 887-898.	2.7	3
2340	Robustness of maintenance support service networks: attributes, evaluation and improvement. Reliability Engineering and System Safety, 2021, 210, 107526.	5.1	8
2341	Mitigation strategies against cascading failures within a project activity network. Journal of Computational Social Science, 0, , 1.	1.4	0
2342	Coexistence of interdependence and competition in adaptive multilayer network. Chaos, Solitons and Fractals, 2021, 147, 110955.	2.5	12
2343	Optimization and control of cyber-physical power systems under dual-network interactive cascading failure. Control Engineering Practice, 2021, 111, 104789.	3.2	15
2344	A Computationally Efficient Evolutionary Algorithm for Multiobjective Network Robustness Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 419-432.	7.5	23
2345	Visual Analysis of Multilayer Networks. Synthesis Lectures on Visualization, 2021, 8, 1-150.	0.1	0
2346	Resilience Assessment and Importance Measure for Interdependent Critical Infrastructures. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2021, 7, .	0.7	7

#	ARTICLE	IF	CITATIONS
2347	Infrastructure failure propagations and recovery strategies from an Alpine Fault earthquake scenario. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2021, 54, 82-96.	0.2	4
2348	Seismic resilience assessment of critical infrastructure-community systems considering looped interdependences. <i>International Journal of Disaster Risk Reduction</i> , 2021, 59, 102246.	1.8	21
2349	A secure and robust multilayer network with optimum inter layer links under budget constraints. <i>Multimedia Tools and Applications</i> , 0, , 1.	2.6	0
2350	How Smart is the Grid?. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	6
2351	Research on Resilience Urban under the Background of New Generation Information and Communication Technology. , 2021, , .		0
2352	How modular structure determines operational resilience of power grids. <i>New Journal of Physics</i> , 2021, 23, 063029.	1.2	3
2353	Frameworks, quantitative indicators, characters, and modeling approaches to analysis of energy system resilience: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110988.	8.2	63
2354	Phase transition of RN-ERN coupled network in failure recovery process. <i>Journal of Physics: Conference Series</i> , 2021, 1978, 012001.	0.3	1
2355	Multilayer Network Clarifies Prevailing Water Consumption Telecouplings in the United States. <i>Water Resources Research</i> , 2021, 57, e2020WR029141.	1.7	4
2356	Superdiffusion criteria on duplex networks. <i>Chaos</i> , 2021, 31, 073108.	1.0	7
2357	Modeling neutral viral mutations in the spread of SARS-CoV-2 epidemics. <i>PLoS ONE</i> , 2021, 16, e0255438.	1.1	13
2358	Cascading failures of overload behaviors using a new coupled network model between edges. <i>Chinese Physics B</i> , 2022, 31, 018901.	0.7	3
2359	Portfolio Correlations in the Bank-Firm Credit Market of Japan. <i>Computational Economics</i> , 2022, 60, 529-569.	1.5	3
2360	Evolution of cooperation in the multigame on a two-layer square network. <i>Applied Mathematics and Computation</i> , 2021, 400, 126088.	1.4	5
2361	Identifying critical metro stations in multiplex network based on Dê“S evidence theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 574, 126018.	1.2	17
2362	Critical Risk Indicators (CRIs) for the electric power grid: a survey and discussion of interconnected effects. <i>Environment Systems and Decisions</i> , 2021, 41, 594-615.	1.9	9
2363	Cascading failures of overload behaviors on interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 574, 125989.	1.2	12
2364	Link Prediction with Multiple Structural Attentions in Multiplex Networks. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
2365	Research on Network Security Issues from the Perspective of Multilayer Networks. , 2021, , .		1
2366	Machine learning dismantling and early-warning signals of disintegration in complex systems. Nature Communications, 2021, 12, 5190.	5.8	46
2368	Centrality Measures: A Tool to Identify Key Actors in Social Networks. Smart Innovation, Systems and Technologies, 2022, , 1-27.	0.5	5
2369	Finding nonlinear system equations and complex network structures from data: A sparse optimization approach. Chaos, 2021, 31, 082101.	1.0	12
2370	Cascading Failure Dynamics against Intentional Attack for Interdependent Industrial Internet of Things. Complexity, 2021, 2021, 1-15.	0.9	9
2371	A propagation-based seed-centric local community detection for multilayer environment: The case study of colon adenocarcinoma. PLoS ONE, 2021, 16, e0255718.	1.1	1
2372	Identification and Quantification of Node Criticality through EWMâ€™TOPSIS: A Study of Hong Kongâ€™s MTR System. Urban Rail Transit, 2021, 7, 226-239.	0.9	9
2373	Navigating optimal treaty-shopping routes using a multiplex network model. PLoS ONE, 2021, 16, e0256764.	1.1	3
2374	Network Reconstruction in Terms of the Priori Structure Information. Frontiers in Physics, 2021, 9, .	1.0	4
2375	Research on Modeling and Simulation of CPPS and Its Cascading Failure Mechanism. , 2021, , .		3
2376	Research on the robustness of interdependent supply networks with tunable parameters. Computers and Industrial Engineering, 2021, 158, 107431.	3.4	13
2377	Iterative learning heterogeneous trajectory tracking for partially interdependent networks. Asian Journal of Control, 0, , .	1.9	0
2378	Nuclear reaction network unveils novel reaction patterns based on stellar energies. New Journal of Physics, 2021, 23, 083035.	1.2	1
2379	Massive Institutional Structures in Global Governance. Global Environmental Politics, 2021, 21, 26-48.	1.7	5
2380	Revealing protein-protein interactions at the transcriptome scale by sequencing. Molecular Cell, 2021, 81, 4091-4103.e9.	4.5	28
2381	Identifying the key sectors and paths of the embodied energy in BRICS nations: A weighted multilayer network approach. Energy, 2022, 239, 122091.	4.5	8
2382	An innovative approach for constructing a shipping index based on dynamic weighted complex networks. Physica A: Statistical Mechanics and Its Applications, 2021, 578, 126101.	1.2	3
2383	Adaptive multilayer networks resolve the cooperation dilemma induced by breaking the symmetry between interaction and learning. New Journal of Physics, 2021, 23, 093019.	1.2	2

#	ARTICLE	IF	CITATIONS
2384	Higher-order percolation processes on multiplex hypergraphs. <i>Physical Review E</i> , 2021, 104, 034306.	0.8	48
2385	Improving robustness in interdependent networks under intentional attacks by optimizing intra-link allocation. <i>Chaos</i> , 2021, 31, 093133.	1.0	3
2386	The fractal dimension of complex networks: A review. <i>Information Fusion</i> , 2021, 73, 87-102.	11.7	109
2387	Enhancing traffic capacity of multilayer networks with two logical layers by link deletion. <i>IET Control Theory and Applications</i> , 2022, 16, 1-6.	1.2	4
2389	An approach based on multiplex networks for modeling cascading trust failures in social networks. <i>Journal of Computational Science</i> , 2021, 54, 101430.	1.5	1
2390	Lost generation: Reflections on resilience and flexibility from an energy system architecture perspective. <i>Applied Energy</i> , 2021, 298, 117179.	5.1	4
2391	Evolutionary game on a growing multilayer network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 578, 126110.	1.2	6
2392	The structure and behaviour of hierarchical infrastructure networks. <i>Applied Network Science</i> , 2021, 6, .	0.8	2
2393	COVID-19 and Ghana's agri-food system: an assessment of resilience. <i>African Geographical Review</i> , 2023, 42, 85-106.	0.6	3
2394	Efficient sampling of complex interdependent and multiplex networks. <i>Journal of Complex Networks</i> , 2021, 9, .	1.1	1
2395	Effect of adding physical links on the robustness of the Internet modeled as a physical-logical interdependent network using simple strategies. <i>International Journal of Critical Infrastructure Protection</i> , 2021, 36, 100483.	2.9	1
2396	System reliability and system resilience. <i>Frontiers of Engineering Management</i> , 2021, 8, 615-619.	3.3	33
2397	From genotypes to organisms: State-of-the-art and perspectives of a cornerstone in evolutionary dynamics. <i>Physics of Life Reviews</i> , 2021, 38, 55-106.	1.5	49
2398	Modeling and vulnerability analysis of interdependent railway and power networks: Application to British test systems. <i>Reliability Engineering and System Safety</i> , 2022, 217, 108091.	5.1	33
2399	Financial risk propagation between Chinese and American stock markets based on multilayer networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 586, 126445.	1.2	6
2400	Dose-response functions and surrogate models for exploring social contagion in the Copenhagen Networks Study. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1-24.	1.2	2
2401	Percolation of edge-coupled interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 580, 126136.	1.2	10
2402	Complex networks of interacting stochastic tipping elements: Cooperativity of phase separation in the large-system limit. <i>Physical Review E</i> , 2021, 104, 044301.	0.8	0

#	ARTICLE	IF	CITATIONS
2403	Identifying super-spreaders in informationâ€“epidemic coevolving dynamics on multiplex networks. Knowledge-Based Systems, 2021, 229, 107365.	4.0	26
2404	Quenching, aging, and reviving in coupled dynamical networks. Physics Reports, 2021, 931, 1-72.	10.3	62
2405	Cascading-failure-resilient interconnection for interdependent power grid - Optical network. Optical Switching and Networking, 2021, 42, 100632.	1.2	6
2406	Robustness of scale-free networks with dynamical behavior against multi-node perturbation. Chaos, Solitons and Fractals, 2021, 152, 111420.	2.5	4
2407	A Hierarchical Resilience Enhancement Framework for Interdependent Critical Infrastructures. Reliability Engineering and System Safety, 2021, 215, 107868.	5.1	40
2408	Cascade phenomenon in multilayer networks with dependence groups and hierarchical structure. Physica A: Statistical Mechanics and Its Applications, 2021, 581, 126201.	1.2	5
2409	Multilayer financial networks and systemic importance: Evidence from China. International Review of Financial Analysis, 2021, 78, 101882.	3.1	29
2410	A method of network robustness under strategic goals for project portfolio selection. Computers and Industrial Engineering, 2021, 161, 107658.	3.4	16
2411	Risk-Informed Decision-Making for Predisaster Risk Mitigation Planning of Interdependent Infrastructure Systems: Case Study of Jamaica. Journal of Infrastructure Systems, 2021, 27, .	1.0	4
2412	On the resilience of modern power systems: A comprehensive review from the cyber-physical perspective. Renewable and Sustainable Energy Reviews, 2021, 152, 111642.	8.2	44
2413	Numerically efficient computation of the survival signature for the reliability analysis of large networks. Reliability Engineering and System Safety, 2021, 216, 107935.	5.1	20
2414	Robust analysis of cascading failures in complex networks. Physica A: Statistical Mechanics and Its Applications, 2021, 583, 126320.	1.2	21
2415	Phase transition in the diffusion and bootstrap percolation models on regular random and Erdős-Rényi networks. Journal of Computational Physics, 2021, 446, 110670.	1.9	2
2416	A hypothesis-driven framework for resilience analysis of public transport network under compound failure scenarios. International Journal of Critical Infrastructure Protection, 2021, 35, 100455.	2.9	5
2417	Cascading failures in multiplex network under flow redistribution. Physica A: Statistical Mechanics and Its Applications, 2021, 583, 126340.	1.2	6
2418	Impact of wind power uncertainty on cascading failure in cyberâ€“physical power systems. Physica A: Statistical Mechanics and Its Applications, 2021, 583, 126358.	1.2	12
2419	The role of the preferred neighbor with the expected payoff on cooperation in spatial public goods game under optimal strategy selection mechanism. Physica A: Statistical Mechanics and Its Applications, 2021, 584, 126363.	1.2	10
2420	Attack-defense game for critical infrastructure considering the cascade effect. Reliability Engineering and System Safety, 2021, 216, 107958.	5.1	14

#	ARTICLE	IF	CITATIONS
2421	Resilience analysis of interdependent critical infrastructure systems considering deep learning and network theory. <i>International Journal of Critical Infrastructure Protection</i> , 2021, 35, 100459.	2.9	18
2422	On the resilience of modern power systems: A complex network perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111646.	8.2	30
2423	Critical flow centrality measures on interdependent networks with time-varying demands. <i>International Journal of Critical Infrastructure Protection</i> , 2021, 35, 100462.	2.9	4
2424	Robustness of spontaneous cascading dynamics driven by reachable area. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 585, 126399.	1.2	5
2425	Impact of inter-network assortativity on robustness against cascading failures in cyber-physical power systems. <i>Reliability Engineering and System Safety</i> , 2022, 217, 108068.	5.1	13
2426	Operational Lifetime-“Stress Model for Complex Networks. <i>IEEE Transactions on Reliability</i> , 2022, 71, 1255-1263.	3.5	2
2427	Resiliency of Power Grid Infrastructure Under Extreme Hazards - Observations and Lessons Learned from Hurricane Maria in Puerto Rico. <i>Sustainable Civil Infrastructures</i> , 2021, , 1-17.	0.1	1
2428	From Predictability to the Theories of Change. <i>Contemporary Systems Thinking</i> , 2021, , 71-83.	0.3	0
2429	Cascading Failure in Multiple Critical Infrastructure Interdependent Networks of Syncretic Railway System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 5740-5753.	4.7	22
2430	Analysis of Resilience Under Repair Strategy in Interdependent Mechatronic System. <i>IEEE Access</i> , 2021, 9, 12717-12729.	2.6	8
2431	Modeling and Vulnerability Analysis of Spatially Embedded Heterogeneous Cyber-Physical Systems With Functional Dependency. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 3404-3416.	4.1	2
2432	A Framework for Capacity Expansion Planning in Failure-Prone Flow-Networks via Systemic Risk Analysis. <i>IEEE Systems Journal</i> , 2022, 16, 820-831.	2.9	1
2433	Research on cascading failure modes and attack strategies of multimodal transport network. <i>Journal of Industrial and Management Optimization</i> , 2021, .	0.8	1
2434	Cyber-Attack Case Studies on Dynamic Voltage Restorer in Smart Grid. <i>Lecture Notes in Computer Science</i> , 2021, , 191-208.	1.0	0
2435	Modeling and Simulation on Error Spreading Over Partially and Directionally Interconnected Networks of Virtual Cellular Manufacturing System. <i>IEEE Access</i> , 2021, 9, 103385-103392.	2.6	1
2436	Cascading dominates large-scale disruptions in transport over complex networks. <i>PLoS ONE</i> , 2021, 16, e0246077.	1.1	8
2437	A Cascading Failure Model Considering Operation Characteristics of the Communication Layer. <i>IEEE Access</i> , 2021, 9, 9493-9504.	2.6	3
2438	Modelling cascading failures in networks with the harmonic closeness. <i>PLoS ONE</i> , 2021, 16, e0243801.	1.1	2

#	ARTICLE	IF	CITATIONS
2439	Optimization of Crude Oil Trade Structure: A Complex Network Analysis. Complexity, 2021, 2021, 1-11.	0.9	4
2441	Hybrid Centrality Measures for Service Coverage Problem. Lecture Notes in Computer Science, 2019, , 81-94.	1.0	2
2442	Critical Infrastructures. Advanced Sciences and Technologies for Security Applications, 2020, , 21-42.	0.4	2
2443	Addressing Interdependencies of Complex Technical Networks. Understanding Complex Systems, 2014, , 279-309.	0.3	4
2444	Spatial-Temporal Quantification of Interdependencies Across Infrastructure Networks. Understanding Complex Systems, 2014, , 323-340.	0.3	3
2445	Spatial Effects: Transport on Interdependent Networks. Understanding Complex Systems, 2014, , 145-161.	0.3	4
2447	How to Measure the Information Diffusion Process in Large Social Networks?. Lecture Notes in Computer Science, 2015, , 66-74.	1.0	3
2449	Resilient and Robust Human-Agent Collectives: A Network Perspective. IFIP Advances in Information and Communication Technology, 2015, , 79-87.	0.5	2
2450	Security Metrics in Industrial Control Systems. Advances in Information Security, 2016, , 167-185.	0.9	14
2451	The Complexity of Design Networks: Structure and Dynamics. , 2016, , 129-151.		11
2452	A Typology of Liability Rules for Robot Harms. Intelligent Systems, Control and Automation: Science and Engineering, 2017, , 119-133.	0.3	6
2453	Cyber Threats Impacting Critical Infrastructures. Studies in Systems, Decision and Control, 2016, , 139-161.	0.8	10
2454	Security Challenges in the 21st Century: The Changing Nature of Risk, Security and Sustainability. Advances in Intelligent Systems and Computing, 2018, , 180-190.	0.5	1
2456	Tourism Destinations as Digital Business Ecosystems. , 2013, , 183-194.		14
2457	Interdependency Modeling in Smart Grid and the Influence of ICT on Dependability. Lecture Notes in Computer Science, 2013, , 185-196.	1.0	11
2458	Distributed Generation and Resilience in Power Grids. Lecture Notes in Computer Science, 2013, , 71-79.	1.0	15
2459	An Agent-Based Modeling and Evolutionary Optimization Approach for Vulnerability Analysis of Critical Infrastructure Networks. Communications in Computer and Information Science, 2013, , 176-187.	0.4	9
2460	Resilience of Spatial Networks. Understanding Complex Systems, 2016, , 79-106.	0.3	3

#	ARTICLE	IF	CITATIONS
2461	A Universal Mechanism of Determining the Robustness of Evolving Systems. , 2015, , 95-117.		5
2462	Power Grids, Smart Grids and Complex Networks. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 97-110.	0.1	3
2463	Electric Power Grid Invulnerability Under Intentional Edge-Based Attacks. Communications in Computer and Information Science, 2019, , 454-461.	0.4	2
2464	Resilience and coevolution of preferential interdependent networks. Social Network Analysis and Mining, 2020, 10, 1.	1.9	1
2465	Integrating data-driven and physics-based approaches to characterize failures of interdependent infrastructures. International Journal of Critical Infrastructure Protection, 2020, 31, 100391.	2.9	7
2466	An architectural framework for distributed naval ship systems. Ocean Engineering, 2018, 147, 375-385.	1.9	25
2467	The role of consumer networks in firmsâ€™ multi-characteristics competition and market share inequality. Structural Change and Economic Dynamics, 2017, 43, 76-86.	2.1	2
2471	Using complex networks towards information retrieval and diagnostics in multidimensional imaging. Scientific Reports, 2015, 5, 17271.	1.6	16
2472	Electric power grid resilience with interdependencies between power and communication networks â€“ a review. IET Smart Grid, 2020, 3, 182-193.	1.5	21
2473	Abrupt transition due to non-local cascade propagation in multiplex systems. New Journal of Physics, 2020, 22, 093035.	1.2	15
2474	Decreased resilience in power grids under dynamically induced vulnerabilities. New Journal of Physics, 2020, 22, 103033.	1.2	7
2475	Interlayer Hebbian plasticity induces first-order transition in multiplex networks. New Journal of Physics, 2020, 22, 122001.	1.2	17
2476	Analysis of overload-based cascading failure in multilayer spatial networks*. Chinese Physics B, 2020, 29, 096401.	0.7	7
2477	Marine conservation: towards a multi-layered network approach. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190459.	1.8	8
2482	k -core structure of real multiplex networks. Physical Review Research, 2020, 2, .	1.3	8
2483	Interlayer adaptation-induced explosive synchronization in multiplex networks. Physical Review Research, 2020, 2, .	1.3	26
2484	Critical mass effect in evolutionary games triggered by zealots. Physical Review Research, 2020, 2, .	1.3	18
2485	Optimal percolation in correlated multilayer networks with overlap. Physical Review Research, 2020, 2, .	1.3	9



#	ARTICLE	IF	CITATIONS
2486	Risk Assessment of CPS Composed of Edge Consumer Electronics Under Intentional Attack. IEEE Consumer Electronics Magazine, 2022, 11, 36-41.	2.3	3
2487	Designing Optimal Interlink Patterns to Maximize Robustness of Interdependent Networks Against Cascading Failures. IEEE Transactions on Communications, 2017, 65, 3847-3862.	4.9	40
2488	Analysis of Traffic Performance on Network Slicing Using Complex Network Theory. IEEE Transactions on Vehicular Technology, 2020, 69, 15188-15199.	3.9	13
2489	Understanding the Impact of Decision Making on Robustness During Complex System Design: More Resilient Power Systems. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2020, 6, .	0.7	6
2490	Resilience Decision-Making for Complex Systems. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2020, 6, .	0.7	18
2491	Assessing the Seismic Resilience of Power Grid Systems Considering the Component Deterioration and Correlation. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2020, 6, .	0.7	9
2492	The Failure Tolerance of Mechatronic Software Systems to Random and Targeted Attacks. , 2013, , .		11
2493	Joint Cyber and Physical Attacks on Power Grids. Performance Evaluation Review, 2015, 43, 361-374.	0.4	6
2494	Community Detection in Multi-Layer Graphs. SIGMOD Record, 2015, 44, 37-48.	0.7	125
2495	Node-weighted centrality: a new way of centrality hybridization. Computational Social Networks, 2020, 7, .	2.1	22
2496	Robustness of Random Scale-Free Networks against Cascading Failure under Edge Attacks. Journal of Communications, 2016, , .	1.3	3
2498	Beyond Statistical Significance: Implications of Network Structure on Neuronal Activity. PLoS Computational Biology, 2012, 8, e1002311.	1.5	23
2499	Automatic Network Fingerprinting through Single-Node Motifs. PLoS ONE, 2011, 6, e15765.	1.1	14
2500	Failure Tolerance of Motif Structure in Biological Networks. PLoS ONE, 2011, 6, e20512.	1.1	12
2501	Statistical Properties and Robustness of Biological Controller-Target Networks. PLoS ONE, 2012, 7, e29374.	1.1	13
2502	Human Initiated Cascading Failures in Societal Infrastructures. PLoS ONE, 2012, 7, e45406.	1.1	19
2503	A Network Analysis of Countries'™ Export Flows: Firm Grounds for the Building Blocks of the Economy. PLoS ONE, 2012, 7, e47278.	1.1	132
2504	Robustness of Controllability for Networks Based on Edge-Attack. PLoS ONE, 2014, 9, e89066.	1.1	74

#	ARTICLE	IF	CITATIONS
2505	Resilience of Natural Gas Networks during Conflicts, Crises and Disruptions. PLoS ONE, 2014, 9, e90265.	1.1	51
2506	How Do Online Social Networks Grow?. PLoS ONE, 2014, 9, e100023.	1.1	7
2507	Information Filtering on Coupled Social Networks. PLoS ONE, 2014, 9, e101675.	1.1	13
2508	A Modeling Framework for System Restoration from Cascading Failures. PLoS ONE, 2014, 9, e112363.	1.1	28
2509	Hypoxia in Vascular Networks: A Complex System Approach to Unravel the Diabetic Paradox. PLoS ONE, 2014, 9, e113165.	1.1	9
2510	Multiplex Networks of Cortical and Hippocampal Neurons Revealed at Different Timescales. PLoS ONE, 2014, 9, e115764.	1.1	44
2511	Precise Calculation of a Bond Percolation Transition and Survival Rates of Nodes in a Complex Network. PLoS ONE, 2015, 10, e0119979.	1.1	10
2512	Node Survival in Networks under Correlated Attacks. PLoS ONE, 2015, 10, e0125467.	1.1	6
2513	A Network of Networks Perspective on Global Trade. PLoS ONE, 2015, 10, e0133310.	1.1	62
2514	Collective Attention and Stock Prices: Evidence from Google Trends Data on Standard and Poor's 100. PLoS ONE, 2015, 10, e0135311.	1.1	28
2515	Resiliency of EEG-Based Brain Functional Networks. PLoS ONE, 2015, 10, e0135333.	1.1	6
2516	The Detection of Emerging Trends Using Wikipedia Traffic Data and Context Networks. PLoS ONE, 2015, 10, e0141892.	1.1	20
2517	How Robust Is Your Project? From Local Failures to Global Catastrophes: A Complex Networks Approach to Project Systemic Risk. PLoS ONE, 2015, 10, e0142469.	1.1	28
2518	Fast Fragmentation of Networks Using Module-Based Attacks. PLoS ONE, 2015, 10, e0142824.	1.1	44
2519	Collective Motion in a Network of Self-Propelled Agent Systems. PLoS ONE, 2015, 10, e0144153.	1.1	8
2520	Cyber War Game in Temporal Networks. PLoS ONE, 2016, 11, e0148674.	1.1	7
2521	Converging Work-Talk Patterns in Online Task-Oriented Communities. PLoS ONE, 2016, 11, e0154324.	1.1	8
2522	Redundant Design in Interdependent Networks. PLoS ONE, 2016, 11, e0164777.	1.1	17

#	ARTICLE	IF	CITATIONS
2523	Utility Evaluation Based on One-To-N Mapping in the Prisoner's Dilemma Game for Interdependent Networks. PLoS ONE, 2016, 11, e0167083.	1.1	14
2524	Tracking the Evolution of Infrastructure Systems and Mass Responses Using Publicly Available Data. PLoS ONE, 2016, 11, e0167267.	1.1	15
2525	Estimating risk propagation between interacting firms on inter-firm complex network. PLoS ONE, 2017, 12, e0185712.	1.1	15
2526	Epidemic spreading in multiplex networks influenced by opinion exchanges on vaccination. PLoS ONE, 2017, 12, e0186492.	1.1	24
2527	Optimization of robustness of interdependent network controllability by redundant design. PLoS ONE, 2018, 13, e0192874.	1.1	18
2528	Multilink communities of multiplex networks. PLoS ONE, 2018, 13, e0193821.	1.1	29
2529	A Multilayer Model of Computer Networks. International Journal of Computer Trends and Technology, 2015, 26, 12-16.	0.1	5
2530	Identifying Extreme Risks in Critical Infrastructure Interdependencies. , 0, , .		4
2531	System resilience enhancement: Smart grid and beyond. Frontiers of Engineering Management, 2017, 4, 271.	3.3	40
2532	Engineering management for high-end equipment intelligent manufacturing. Frontiers of Engineering Management, 2018, 5, 420.	3.3	40
2533	network resource reallocation strategy based on an improved capacity-load model. Eksploatacja I Niezawodnosc, 2015, 17, 487-495.	1.1	14
2534	Reliability of interdependent networks with cascading failures. Eksploatacja I Niezawodnosc, 2018, 20, 273-277.	1.1	12
2535	Introduction to the theory of complex networks. Computer Research and Modeling, 2010, 2, 121-141.	0.2	25
2536	Ranking the economic importance of countries and industries. Journal of Network Theory in Finance, 2017, , .	0.7	7
2537	How Bad is it? – A Branching Activity Model to Estimate the Impact of Information Security Breaches. SSRN Electronic Journal, 0, , .	0.4	5
2538	The Dynamical Mechanism for SMEs Evolution Under the Hologram Approach. SSRN Electronic Journal, 0, , .	0.4	3
2539	Supply Network Formation and Fragility. SSRN Electronic Journal, 0, , .	0.4	11
2540	Betweenness Centrality Metrics for Assessing Electrical Power Network Robustness against Fragmentation and Node Failure. , 2012, , .		6

#	ARTICLE	IF	CITATIONS
2541	Analyzing vulnerabilities of the German highspeed train network using quantitative graph theory. International Journal of Safety and Security Engineering, 2018, 8, 59-64.	0.5	1
2542	Image Converting into Complex Networks : Scale- Level Segmentation Approach. , 2017, , .		2
2543	Community-Based Link-Addition Strategies for Mitigating Cascading Failures in Modern Power Systems. Processes, 2020, 8, 126.	1.3	4
2544	Enhancing Controllability Robustness of q-Snapback Networks through Redirecting Edges. Research, 2019, 2019, 7857534.	2.8	11
2545	Approches multiplexes des systÃ«mes de villes dans les rÃ©seaux d'entreprises multinationales. Revue D'economie Regionale Et Urbaine, 2015, AoÃ»t, 393-424.	0.1	4
2546	The German milky way: trade structure of the milk industry and possible consequences of a food crisis. Journal on Chain and Network Science, 2012, 12, 25-39.	1.6	11
2547	Cities in Worldwide Air and Sea Flows: A multiple networks analysis. CyberGeo, 0, , .	0.0	20
2548	Le systÃ«me d'assainissement en Ile-de-France: entre ressource et facteur aggravant pour la gestion d'une inondation majeure. CyberGeo, 0, , .	0.0	1
2549	Multi-Level Resilience. International Journal of Adaptive Resilient and Autonomic Systems, 2014, 5, 34-45.	0.3	3
2550	Structure and Dynamics of Transportation Networks:Models, Methods and Applications. , 2013, , 347-364.		36
2551	Designing P2P Networks Tolerant to Attacks and Faults Based on Bimodal Degree Distribution. Journal of Communications, 2012, 7, .	1.3	10
2552	Cascading Model of Infrastructure Networks based on Complex Network. Journal of Networks, 2013, 8, .	0.4	5
2553	Networked Analysis Approach of Supply Chain Network. Journal of Networks, 2014, 9, .	0.4	10
2554	Review of Complex Networks. International Journal of Computer Applications, 2016, 141, 33-43.	0.2	2
2555	Systemic Risk in Energy Derivative Markets: A Graph-Theory Analysis. Energy Journal, 2012, 33, 215-240.	0.9	39
2557	Research on robustness of interdependent network for suppressing cascading failure. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 028902.	0.2	8
2558	Evolution mechanism of node importance based on the information about cascading failures in complex networks. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 068902.	0.2	11
2559	Study on cascading invulnerability of multi-coupling-links coupled networks based on time-delay coupled map lattices model. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 078901.	0.2	4

#	ARTICLE	IF	CITATIONS
2560	The model of interdependent network based on positive/negative correlation of the degree and its robustness study. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 048902.	0.2	10
2561	Recent progress in controllability of complex network. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 188901.	0.2	8
2562	Cascading failure analysis in hyper-network based on the hypergraph. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 088901.	0.2	7
2563	Node importance measurement based on neighborhood similarity in complex network. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 038902.	0.2	24
2564	Directed weighted complex networks based on time series symbolic pattern representation. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 210502.	0.2	5
2565	Local adaptive heterogeneous synchronization for interdependent networks with delayed coupling. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 050504.	0.2	4
2566	Overview of precaution and recovery strategies for cascading failures in multilayer networks. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 088904.	0.2	12
2567	Virtual Temporal Friendship Creation: Autonomous Decentralized Friendship Management for Improving Robustness in D2D-Based Social Networking Service. IEICE Transactions on Communications, 2022, E105.B, 379-387.	0.4	1
2568	Theoretical Design of Geographical Route of Communications Cable Network Supplied by Power Grid to Minimize Disaster Damage. IEEE Transactions on Network and Service Management, 2022, 19, 100-111.	3.2	2
2569	Critical components identification for cyber-physical power systems considering time-varying operational states. , 2021, , .		0
2570	PTSC: a New Notion for Structural Controllability under Structured Perturbations. , 2021, , .		0
2571	Graded heterogeneity of metabotropic signaling underlies a continuum of cell-intrinsic temporal responses in unipolar brush cells. Nature Communications, 2021, 12, 5491.	5.8	20
2572	Assessment of the Disaster Resilience of Complex Systems: The Case of the Flood Resilience of a Densely Populated City. Water (Switzerland), 2021, 13, 2830.	1.2	5
2573	Construction and Analysis of Queuing and Reliability Models Using Random Graphs. Mathematics, 2021, 9, 2511.	1.1	1
2574	Node Recovery from Cascading Failures in Complex Networks Based on Q-model. Lecture Notes in Electrical Engineering, 2022, , 717-723.	0.3	0
2575	Assessing the cascading impacts of natural disasters in a multi-layer behavioral network framework. Scientific Reports, 2021, 11, 20146.	1.6	12
2576	Recovery strategy of multilayer network against cascading failure. International Journal of Modern Physics C, 2022, 33, .	0.8	4
2577	Complex Urban Systems: Challenges and Integrated Solutions for the Sustainability and Resilience of Cities. Complexity, 2021, 2021, 1-15.	0.9	7

#	ARTICLE	IF	CITATIONS
2578	Equilibria and Systemic Risk in Saturated Networks. <i>Mathematics of Operations Research</i> , 2022, 47, 1781-1801.	0.8	6
2579	The Robustness of Interdependent Directed Networks With Intra-layer Angular Correlations. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	0
2580	Geographic delay characterization of railway systems. <i>Scientific Reports</i> , 2021, 11, 20860.	1.6	1
2581	Assessing the Structural Vulnerability of Online Social Networks in Empirical Data. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	1
2582	Cascading failures in anisotropic interdependent networks of spatial modular structures. <i>New Journal of Physics</i> , 2021, 23, 113001.	1.2	7
2583	Resilience of Interdependent Water and Power Systems: A Literature Review and Conceptual Modeling Framework. <i>Water (Switzerland)</i> , 2021, 13, 2846.	1.2	3
2584	Robustness of interdependent supply chain networks against both functional and structural cascading failures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 586, 126518.	1.2	11
2585	Safety Considerations. , 2011, , 205-236.		0
2586	Security Considerations. , 2011, , 177-203.		1
2587	Global Networks of Trade and Bits. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
2588	Characteristics of the Tourism-Related Perception Propagation. <i>Lecture Notes in Electrical Engineering</i> , 2011, , 337-344.	0.3	0
2590	System Integration in the Infrastructure of Future Cities. <i>Engineering &amp; Technology Reference</i> , 2012, 1, .	0.1	0
2591	An efficient adaptive method of improving the synchronization of complex networks. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2012, 61, 040502.	0.2	5
2592	Modeling the Power Generation Dispatching in Cyber-Physical Interdependent Perspective. <i>Communications in Computer and Information Science</i> , 2012, , 1-9.	0.4	0
2593	15 - D'crochage franais, acc'ration allemande : l'Europe comme systme complexe. , 2012, , 195-210.		0
2594	Review of the Power Grid Model Vulnerability Based on Complex Network Theory. <i>Communications in Computer and Information Science</i> , 2012, , 105-113.	0.4	0
2595	Overspill Avalanching in a Dense Reservoir Network. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2596	Node-Failure and Islanding in National Grid Scale Electricity Distribution Networks. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
2597	Systemic Risk in Energy Derivative Markets: A Graph-Theory Analysis. SSRN Electronic Journal, 0, , .	0.4	2
2600	Mitigating Risks of Event Avalanches Caused by Climate Change. Springer Proceedings in Complexity, 2013, , 337-346.	0.2	0
2601	Human Factors Modeling Schemes for Pilot-Aircraft System: A Complex System Approach. Lecture Notes in Computer Science, 2013, , 144-149.	1.0	3
2602	Modeling Systemic Risks in Financial Markets. SSRN Electronic Journal, 0, , .	0.4	0
2603	The Complexity Science Approach vs. the Simulative Approach. , 2013, , 139-152.		0
2604	Sub-optimal Topological Protection Strategy from Advanced Malware. Lecture Notes in Computer Science, 2013, , 81-92.	1.0	0
2605	Vulnerability Evaluation of Multimedia Subsystem Based on Complex Network. Journal of Multimedia, 2013, 8, .	0.3	4
2608	A Spectral Approach to Synchronizability of Interdependent Networks. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 111-131.	0.1	0
2609	Modelling of Disaster Spreading Dynamics. Modeling and Optimization in Science and Technologies, 2014, , 31-42.	0.7	0
2610	Continuous Phase Transitions in Supercritical Explosive Percolation. Springer Theses, 2014, , 29-45.	0.0	0
2611	Electrical Networks: An Introduction. Understanding Complex Systems, 2014, , 163-186.	0.3	5
2612	Interlacing layered complex networks. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 190201.	0.2	0
2613	Reliability-Centric Studies in Smart Grids: Adequacy and Vulnerability Considerations. , 2014, , 1-15.		1
2615	Unstable Supercritical Discontinuous Percolation Transitions. Springer Theses, 2014, , 47-60.	0.0	0
2616	Complexity Analysis and Critical Factor Identity in Multimedia Social Systems. Journal of Multimedia, 2014, 9, .	0.3	0
2617	A New Optimization Model with Bee Colony Algorithm on Land-Use Network. Journal of Networks, 2014, 9, .	0.4	0
2618	Social-Communication Composite Networks. , 2014, , 1-36.		0
2621	A Recovery Starting Point Shaping the Postevent Community Trajectory:. , 2014, , 226-255.		0

#	ARTICLE	IF	CITATIONS
2622	Futuristic Smart Architecture for a Rapid Disaster Response. Lecture Notes in Social Networks, 2015, , 39-64.	0.8	0
2623	Load-induced cascading failure in interdependent network. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 048901.	0.2	7
2624	Application and Development of the Power System Dispatching Automation Technology. , 2015, , .		0
2625	Q&A. Should the Internet Be Considered Critical Infrastructure?. Technology Innovation Management Review, 2015, 5, 37-40.	1.0	1
2626	A Study of Characteristics of Social and Learning Networks of Civil Engineering Students. , 2015, , .		0
2628	A 'Social Bitcoin' Could Sustain a Democratic Digital World. SSRN Electronic Journal, 0, , .	0.4	0
2629	A global homogenizing coupled pattern of interdependent networks. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 148901.	0.2	2
2630	Structural vulnerability analysis of electric power distribution grids. International Journal of Critical Infrastructures, 2016, 12, 311.	0.1	0
2631	Progressive Recovery from Failure in Multi-layered Interdependent Network Using a New Model of Interdependency. Lecture Notes in Computer Science, 2016, , 368-380.	1.0	4
2632	Outlier Detection for Time-Evolving Complex Networks. Lecture Notes in Electrical Engineering, 2016, , 677-684.	0.3	0
2633	Measuring Cascading Failures in Smart Grid Networks. Advances in Environmental Engineering and Green Technologies Book Series, 2016, , 208-225.	0.3	0
2634	Innovative Urban Governance: A Game Oriented Approach to Influencing Energy Behavior. Studies in Systems, Decision and Control, 2016, , 165-195.	0.8	2
2635	Climate Hazards and Critical Infrastructures Resilience. , 2016, , 1-11.		0
2636	On Robustness in Multilayer Interdependent Networks. Lecture Notes in Computer Science, 2016, , 247-250.	1.0	1
2637	A Multi-Layer Network of the Colombian Sovereign Securities Market. Advances in Finance, Accounting, and Economics, 2016, , 124-149.	0.3	4
2638	The Cacophony of Interconnected Networks. Understanding Complex Systems, 2016, , 141-148.	0.3	0
2639	Urban Data Science: An Introduction. , 2016, , 1-8.		0
2640	Climate Hazards and Critical Infrastructures Resilience. , 2016, , 1-11.		0



#	ARTICLE	IF	CITATIONS
2641	MIDDLEWARE FOR SMART HETEROGENEOUS CRITICAL INFRASTRUCTURE NETWORKS INTERCOMMUNICATION. International Journal on Smart Sensing and Intelligent Systems, 2016, 9, 1261-1286.	0.4	0
2642	Explosive Percolation Processes. , 2018, , 1-15.		0
2643	Reduction of Uncertainty Propagation in the Airport Operations Network. , 0, , .		1
2644	Global Network Structures and Problems of Aggregated Evaluation. International Frontier Science Letters, 0, 8, 31-45.	0.0	0
2645	Characterising Disruptive Events to Model Cascade Failures in Critical Infrastructures. , 0, , .		3
2646	Effects of Interdependence Characteristics on the Robustness of Interconnected Networks. , 2016, , .		0
2648	Research on the Mechanism of Risk Cascading Propagation across Interdependent R&D Networks. , 2017, , 103-108.		0
2649	VULNERABILITY OF INTERDEPENDENT NETWORKS AGAINST CASCADING FAILURE. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and Management), 2017, 73, I_215-I_223.	0.0	0
2650	Climate Hazards and Critical Infrastructures Resilience. , 2017, , 206-216.		0
2652	Effective Capacity Allocation for Robustness of Interconnected Power Grids. , 2017, , .		0
2653	Climate Hazards and Critical Infrastructures Resilience. , 2017, , 1-11.		0
2654	Urban Data Science: An Introduction. , 2017, , 2375-2382.		0
2655	The Research on Cascading Failure of Farey Network. Communications in Computer and Information Science, 2017, , 400-411.	0.4	0
2656	Network Robustness Analytics with Optimization. , 2017, , 201-228.		0
2657	On Auxiliary Entity Allocation Problem in Multi-layered Interdependent Critical Infrastructures. Lecture Notes in Computer Science, 2017, , 25-37.	1.0	0
2658	Cascades Tolerance of Scale-Free Networks with Attack Cost. International Journal of Computational Intelligence Systems, 2017, 10, 1330.	1.6	1
2659	Multiple Social Networks, Data Models and Measures for. , 2017, , 1-8.		0
2660	Review of network-theoretic approaches to characterise interdependencies in critical infrastructures. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
2661	Structural instability of large-scale functional networks. PLoS ONE, 2017, 12, e0181247.	1.1	1
2662	Network Science Perspectives on Engineering Adaptation to Climate Change and Weather Extremes. , 2017, , 1-12.		0
2663	Construction of generalized conclusions by means of linear and nonlinear aggregation methods. Mathematical Modeling and Computing, 2017, 4, 177-186.	0.4	1
2664	Spreading of Failures in Interdependent Networks. , 2018, , 397-410.		2
2665	Evaluating Airline Network Robustness Using Relative Total Cost Indices. Lecture Notes in Management and Industrial Engineering, 2018, , 47-61.	0.3	1
2666	Multiple Social Networks, Data Models and Measures for. , 2018, , 1422-1430.		0
2667	Applications of Social Graphs. Advances in E-Business Research Series, 2018, , 297-331.	0.2	0
2668	Research on Multi-Layer Financial Network Model between Banks and Enterprises in China: Based on Product and Credit Linkage. Modern Management, 2018, 08, 313-328.	0.0	0
2669	Enhancing resilience of interdependent networks against cascading failures under preferential recovery strategies. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 088901.	0.2	4
2670	Structural Analysis of Whole-System Provenance Graphs. Lecture Notes in Computer Science, 2018, , 241-244.	1.0	0
2671	Managing Security Risks Interdependencies Between ICT and Electric Infrastructures: A Game Theoretical Analysis. Static and Dynamic Game Theory: Foundations and Applications, 2018, , 223-250.	0.4	0
2675	Building and Analyzing the Robustness of Interdependent Transportation Network for Hazmat Transporting Network and the Connected Traffic Network of Hazmat Transport. Lecture Notes in Electrical Engineering, 2019, , 393-405.	0.3	0
2676	Interdependent Networks from Societal Perspective: MITS (Multi-Context Influence Tracking on Social) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	0
2677	Computational Aspects of Fault Location and Resilience Problems for Interdependent Infrastructure Networks. Studies in Computational Intelligence, 2019, , 879-890.	0.7	1
2679	The Need for Hetero-functional Graph Theory. , 2019, , 13-21.		0
2680	Percolation of interdependent networks with conditional dependency clusters. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 078902.	0.2	2
2681	Robustness of interdependent networks with heterogeneous weak inter-layer links. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 186401.	0.2	8
2682	Construction and Robustness of Interdependent Networks via Time Series and Visibility Graph. DEStech Transactions on Computer Science and Engineering, 2019, , .	0.1	0

#	ARTICLE	IF	CITATIONS
2683	Semantic Modeling of Cascading Risks in Interoperable Socio-technical Systems. Proceedings of the I-ESA Conference, 2019, , 119-129.	0.4	3
2684	Fault Tolerance and Reliability of Smart Grids. , 2019, , 1-11.		0
2685	Mining Stock Market Time Series and Modeling Stock Price Crash Using a Pretopological Framework. Lecture Notes in Computer Science, 2019, , 638-649.	1.0	1
2686	FDIA-Identified Overloaded Power Lines. Lecture Notes in Computer Science, 2019, , 262-277.	1.0	1
2687	The Niche, Its Hypervolume and the Entropy of Existence. , 2019, , 255-284.		0
2689	Review of the network risk propagation research. Aeronautics and Aerospace Open Access Journal, 2019, 3, 66-74.	0.1	1
2690	Reliability Analysis of Networks Interconnected With Copulas. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2019, 5, .	0.7	4
2691	Solving The Backup Controller Placement Problem In SDN Under Simultaneous Targeted Attacks. , 2019, , .		9
2693	Cascading Failure Analysis of Cyber-Physical Power System with Multiple Interdependency and Control Threshold. , 2020, , 37-54.		0
2694	Cascading Failures in Weighted Networks with the Harmonic Closeness. Studies in Computational Intelligence, 2020, , 709-720.	0.7	0
2696	The DLOC Model. Automation, Collaboration, and E-services, 2020, , 33-50.	0.5	0
2697	A Matrix Model to Analyze Cascading Failure in Critical Infrastructures. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 211-223.	0.2	0
2698	Fault Tolerance and Reliability of Smart Grids. , 2020, , 468-478.		0
2699	Failure Propagation Analysis of Complex System Based on Multiple Potential Field. Lecture Notes in Electrical Engineering, 2020, , 1359-1372.	0.3	1
2700	Analysis Model of Node Failures and Impact for AANET. Communications in Computer and Information Science, 2020, , 55-64.	0.4	0
2701	Robustness Enhancement Analysis of ACPS Systems Under the Swapping Strategies Between Different Networks. Communications in Computer and Information Science, 2020, , 305-314.	0.4	0
2703	Asynchronism of the spreading dynamics underlying the bursty pattern. Chinese Physics B, 2020, 29, 058901.	0.7	2
2704	Dynamic Attack Scoring Using Distributed Local Detectors. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
2705	Influence and Betweenness in Flow Models of Complex Network Systems. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 67-90.	0.5	1
2706	Maximizing Resilience under Defender Attacker Model in Heterogeneous Multi-Networks. , 2020, , .		1
2707	Identifying Optimal Attacks for Infrastructure Networks with failure Propagation. , 2020, , .		0
2708	Modeling Cascading Failures in Stock Markets by a Pretopological Framework. Vietnam Journal of Computer Science, 2021, 08, 23-38.	1.0	0
2709	Robustness Analysis of Interdependent Networks under Grey Information Attack. Journal of Physics: Conference Series, 2020, 1616, 012110.	0.3	0
2710	Explosive synchronization induced by traffic processes in complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 083404.	0.9	2
2712	Growth of Food Security of the Southern Federal District. Regionalnaya Ekonomika Yug Rossii, 2020, , 148-157.	0.0	0
2713	Robustness analysis and optimization of interdependent power and communication networks. , 2020, , .		0
2714	Application of hypergraph theory in the analysis of the failure propagation and diffusion behaviour of machining centre. Quality and Reliability Engineering International, 2022, 38, 659-678.	1.4	4
2715	Explosive dismantling of two-dimensional random lattices under betweenness centrality attacks. Chaos, Solitons and Fractals, 2021, 153, 111529.	2.5	1
2716	Ranking on Network of Heterogeneous Information Networks. , 2020, , .		0
2718	Robustness Analysis and Defence Strategy of an Interdependent Networks Model Based on Closeness Centrality. , 2020, , .		0
2719	Toward Quantifying Vulnerabilities in Critical Infrastructure Systems. , 2020, , .		3
2720	Multiple-Attribute Decision Making-based Optimization of Robustness against Cascading Failures in Interdependent network. , 2020, , .		0
2721	Heterogeneity and Directionality Analysis of the Cyber Physical Power System. Journal of Electrical Engineering and Technology, 2021, 16, 749-757.	1.2	0
2722	Modeling cascading failure of interdependent critical infrastructure systems using HLA-based co-simulation. Automation in Construction, 2022, 133, 104008.	4.8	13
2723	Investigating the importance of critical infrastructures' interdependencies during recovery; lessons from Hurricane Irma in Saint-Martin's island. International Journal of Disaster Risk Reduction, 2022, 67, 102675.	1.8	6
2724	Controlling Human Utilization of Failure-Prone Systems via Taxes. IEEE Transactions on Automatic Control, 2021, 66, 5772-5787.	3.6	4

#	ARTICLE	IF	CITATIONS
2726	Artificial Intelligence and Global Changes. Encyclopedia of the UN Sustainable Development Goals, 2020, , 32-42.	0.0	0
2728	Reliability Analysis of Heterogeneous CPS Under Different Swapping Inter-links Strategies. Communications in Computer and Information Science, 2020, , 329-339.	0.4	0
2729	Security Assessment for Cascading Failures of Cyber-Physical Systems Under Target Attack Strategy. Communications in Computer and Information Science, 2020, , 315-327.	0.4	0
2730	Risk Assessment of Heterogeneous CPS Systems Under Different Proportions of Links. Communications in Computer and Information Science, 2020, , 369-378.	0.4	0
2731	Space Geometry Effect over the Internet as a Physical-Logical Interdependent Network. Springer Proceedings in Complexity, 2020, , 213-227.	0.2	0
2732	Application of Percolation Theory to Statistical Topographies. , 2020, , 1-19.		0
2733	Survivable RMSA against Cascading Failures in Interdependent Power Grids and Optical Networks. , 2020, , .		0
2734	Multilayer coupled network promotes group consensus. European Physical Journal Plus, 2020, 135, 1.	1.2	0
2735	Minimizing the Effect of Cascade Failure in Multilayer Networks with Optimal Redistribution of Link Loads. Journal of Complex Networks, 2021, 9, .	1.1	3
2736	Cascading Failures in Interconnected Power-to-Water Networks. Performance Evaluation Review, 2020, 47, 16-20.	0.4	9
2737	Mixing adaptive rules in a bilayer Erdős-Rényi network. , 2021, , .		0
2738	Modelling smart grid IT-OT dependencies for DDoS impact propagation. Computers and Security, 2022, 112, 102528.	4.0	9
2739	Effects of mobility restrictions during COVID19 in Italy. Scientific Reports, 2021, 11, 21783.	1.6	12
2740	Control of cascading failures in dynamical models of power grids. Chaos, Solitons and Fractals, 2021, 153, 111460.	2.5	9
2741	Optimal resource allocation for network functionality. New Journal of Physics, 2020, 22, 073011.	1.2	1
2742	A cooperative evacuation strategy for mass passenger flow in urban rail transit transfer stations. International Journal of Modern Physics C, 2021, 32, 2150007.	0.8	2
2743	Spreading of localized attacks on spatial multiplex networks with a community structure. Physical Review Research, 2020, 2, .	1.3	8
2744	The Reliability Analysis of a Complex Electromechanical System from a Complex Network Perspective. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
2745	The Impact of Distributed Energy Resources on the Networks. , 2021, , 185-200.		0
2746	Structural Vulnerability Analysis of Partially Interdependent Networks: The Joint Influence of Interdependence and Local Worlds. <i>Frontiers in Physics</i> , 0, 8, .	1.0	1
2747	Biyolojik ve Biyolojik Olmayan AÄYlar Äœzerine. <i>Journal of YaÄYar University</i> , 0, , .	0.1	0
2748	Seismic resilience assessment of urban interdependent lifeline networks. <i>Reliability Engineering and System Safety</i> , 2022, 218, 108164.	5.1	27
2749	Invulnerability Optimization Analysis of Interdependent Networks. , 2021, , .		0
2750	Agri-food supply chain network disruption propagation and recovery based on cascading failure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 589, 126611.	1.2	6
2751	Generalized $k$ -core percolation on higher-order dependent networks. <i>Applied Mathematics and Computation</i> , 2022, 420, 126793.	1.4	18
2752	Non-traditional Security: A Risk-Centric View. , 2022, , 1-16.		0
2753	What do we mean, "tipping cascade"? <i>Environmental Research Letters</i> , 2021, 16, 125011.	2.2	19
2754	Dynamical efficiency for multimodal time-varying transportation networks. <i>Scientific Reports</i> , 2021, 11, 23065.	1.6	6
2755	Percolation of temporal hierarchical mobility networks during COVID-19. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210116.	1.6	5
2756	Camouflage strategy of a Stackelberg game based on evolution rules. <i>Chaos, Solitons and Fractals</i> , 2021, 153, 111603.	2.5	6
2757	Multiple Lending, Credit Lines and Financial Contagion. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
2758	Cascading Failure Vulnerability Analysis in Interdependent Power Communication Networks. <i>IEEE Systems Journal</i> , 2022, 16, 3500-3511.	2.9	3
2759	Discernibility of Topological Variations for Networked LTI Systems. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 377-384.	3.6	6
2760	Eigenvalue Spectrum and Synchronizability of Double-Layer Directed Ring Networks. <i>Journal of Applied Mathematics and Physics</i> , 2021, 09, 3067-3087.	0.2	0
2761	A systemic risk framework to improve the resilience of port and supply-chain networks to natural hazards. <i>Maritime Economics and Logistics</i> , 2022, 24, 489-506.	2.0	16
2762	Prospects and barriers for microgrids in Switzerland. <i>Energy Strategy Reviews</i> , 2022, 39, 100776.	3.3	9

#	ARTICLE	IF	CITATIONS
2763	Social physics. <i>Physics Reports</i> , 2022, 948, 1-148.	10.3	231
2764	Correlation lags give early warning signals of approaching bifurcations. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111720.	2.5	3
2765	The synchronized dynamics of time-varying networks. <i>Physics Reports</i> , 2022, 949, 1-63.	10.3	91
2766	Higher-order percolation in simplicial complexes. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111701.	2.5	22
2767	An elitism-based multi-objective evolutionary algorithm for min-cost network disintegration. <i>Knowledge-Based Systems</i> , 2022, 239, 107944.	4.0	3
2768	A Hybrid Recovery Strategy toward Sustainable Infrastructure Systems. <i>Journal of Infrastructure Systems</i> , 2022, 28, .	1.0	5
2769	Urban road network vulnerability and resilience to large-scale attacks. <i>Safety Science</i> , 2022, 147, 105575.	2.6	16
2770	Identifying early-warning indicators of onset of sudden collapse in networked infrastructure systems against sequential disruptions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 591, 126796.	1.2	1
2772	Versatility-preserving Multi-omics Data Analysis by Ranking the Nodes in Multilayer Network. , 2020, , .		1
2773	Vulnerability Assessment Method of Electrical Cyber-Physical Interdependent Network Considering Node Heterogeneity. , 2020, , .		2
2774	Vulnerability Analysis of Cyber-physical System Based on Improved Structural Entropy. , 2020, , .		0
2775	On Vulnerability Analysis of Nodes against Cross-domain Cascading Failures Propagation in Active Distribution Network Cyber-physical System. , 2020, , .		1
2776	Research on Robustness Simulation of Interdependent Networks. , 2020, , .		1
2778	Scientific Data Management for Interconnected Critical Infrastructure Systems. , 2021, , .		1
2779	Effect of 5G communication service failure on placement of Intelligent Electronic Devices in Smart Distribution Grids. , 2021, , .		1
2780	Modeling framework for study of distributed and centralized smart grid system services. , 2021, , .		1
2781	On the Impact of Control Center Allocation on Power-Communication Network Vulnerability. , 2021, , .		0
2782	Vulnerability analysis of the Chinese coupled aviation and high-speed railway network. <i>Chinese Journal of Aeronautics</i> , 2022, 35, 189-199.	2.8	7

#	ARTICLE	IF	CITATIONS
2783	Overtraining Syndrome as a Complex Systems Phenomenon. <i>Frontiers in Network Physiology</i> , 2022, 1, .	0.8	8
2784	Network Connectivity: Concepts, Computation, and Optimization. <i>Synthesis Lectures on Learning Networks and Algorithms</i> , 2022, 3, 1-165.	0.7	0
2785	Optimizing Noisy Complex Systems Liable to Failure. <i>SIAM Journal on Applied Mathematics</i> , 2022, 82, 25-48.	0.8	1
2786	IT Availability Risks in Smart Factory Networks – Analyzing the Effects of IT Threats on Production Processes Using Petri Nets. <i>Information Systems Frontiers</i> , 0, , 1.	4.1	5
2787	Statistical physics of network structure and information dynamics. <i>Journal of Physics Complexity</i> , 2022, 3, 011001.	0.9	6
2788	Allocating Defense and Recovery Resources for Spatial Networks against Cascading Failures. <i>Complexity</i> , 2022, 2022, 1-13.	0.9	1
2789	Reliability assessment of autonomous vehicles based on the safety control structure. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2023, 237, 389-404.	0.6	4
2790	Using weighted multilayer networks to uncover scaling of public transport system. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2022, 49, 1631-1645.	1.0	6
2791	Percolation behaviors of partially edge-coupled interdependent networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 431, 127919.	0.9	2
2792	Multiple phase transitions in ER edge-coupled interdependent networks. <i>New Journal of Physics</i> , 2022, 24, 023023.	1.2	4
2793	Early Warning Signals for Critical Transitions in Sandpile Cellular Automata. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	2
2794	Assessing the Robustness of Cyber-Physical Power Systems by Considering Wide-Area Protection Functions. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2022, 12, 107-114.	2.7	13
2795	Protection strategies of active defense in cyber-physical power systems. <i>Europhysics Letters</i> , 2021, 136, 38002.	0.7	2
2796	Suppressing traffic-driven epidemic spreading in multiplex networks by effective traffic-flow assignment strategy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 594, 126973.	1.2	4
2797	Phase transition behavior of finite clusters under localized attack. <i>Chaos</i> , 2022, 32, 023105.	1.0	5
2798	Exploring cascading reliability of multi-modal public transit network based on complex networks. <i>Reliability Engineering and System Safety</i> , 2022, 221, 108367.	5.1	30
2799	Characteristics of edge-based interdependent networks. <i>Chaos, Solitons and Fractals</i> , 2022, 156, 111819.	2.5	6
2800	A modified connectivity link addition strategy to improve the resilience of multiplex networks against attacks. <i>Reliability Engineering and System Safety</i> , 2022, 221, 108294.	5.1	26



#	ARTICLE	IF	CITATIONS
2801	Towards Optimal and Executable Distribution Grid Restoration Planning With a Fine-Grained Power-Communication Interdependency Model. IEEE Transactions on Smart Grid, 2022, 13, 1911-1922.	6.2	7
2802	Spatial Entropy of Directional Geographical Data and Landscape Networks. RaumFragen: Stadt - Region - Landschaft, 2022, , 31-55.	1.0	2
2803	Optimal Backup Power Deployment for Communication Network With Interdependent Power Network. IEEE Access, 2022, 10, 17287-17299.	2.6	8
2804	The tourism industry and the risk of "the year 2038 problem": Long-term thinking and the illogical cycle of ICT risk management. International Journal of Tourism Research, 2022, 24, 501-514.	2.1	1
2805	The choice-decision based on memory and payoff favors cooperation in stag hunt game on interdependent networks. European Physical Journal B, 2022, 95, 1.	0.6	4
2806	Network Models and Simulation Analytics for Multi-scale Dynamics of Biological Invasions. Frontiers in Big Data, 2022, 5, 796897.	1.8	2
2807	Emergent networks in fractional percolation. Physica A: Statistical Mechanics and Its Applications, 2022, 594, 127057.	1.2	1
2808	Invulnerability Simulation of Urban Agglomeration Traffic Network Cascading Failure Under Random Attack Strategy. Lecture Notes in Electrical Engineering, 2022, , 177-194.	0.3	0
2809	Phase Clustering in a Hierarchical Ensemble of Coupled Van Der Pol Oscillators. Technical Physics Letters, 2021, 47, 474-477.	0.2	0
2810	Data-Integrity Aware Stochastic Model for Cascading Failures in Power Grids. IEEE Transactions on Power Systems, 2023, 38, 142-154.	4.6	0
2811	Cyber Protection for Malware Attack Resistance in Cyber-Physical Power Systems. IEEE Systems Journal, 2022, 16, 5337-5345.	2.9	4
2812	System Security Analysis of Different Link Proportions Between Nodes in the Cyber-Physical System Against Target Attack. Communications in Computer and Information Science, 2022, , 230-242.	0.4	0
2813	Blackout Resilient Optical Core Network. IEEE/ACM Transactions on Networking, 2022, 30, 1795-1806.	2.6	4
2814	Using Localized Attacks with Probabilistic Failures to Model Seismic Events over Physical-Logical Interdependent Networks. Lecture Notes in Computer Science, 2022, , 1-14.	1.0	0
2815	Graph Vulnerability and Robustness: A Survey. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	26
2816	Effective strategies for targeted attacks to the network of Cosa Nostra affiliates. EPJ Data Science, 2022, 11, .	1.5	7
2817	Detecting contagious spreading of urban innovations on the global city network. European Physical Journal: Special Topics, 0, , 1.	1.2	3
2818	Dynamics of severe accidents in the oil & gas energy sector derived from the authoritative ENergy-related severe accident database. PLoS ONE, 2022, 17, e0263962.	1.1	8

#	ARTICLE	IF	CITATIONS
2819	Indirect influence in social networks as an induced percolation phenomenon. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	4
2820	Modest flooding can trigger catastrophic road network collapse due to compound failure. Communications Earth & Environment, 2022, 3, .	2.6	16
2821	Three Decades in Econophysicsâ€”From Microscopic Modelling to Macroscopic Complexity and Back. Entropy, 2022, 24, 271.	1.1	3
2822	Visualizing Current in Superconducting Networks. Physical Review Applied, 2022, 17, .	1.5	0
2823	Road Network Vulnerability Based on Diversion Routes to Reconnect Disrupted Road Segments. Sustainability, 2022, 14, 2244.	1.6	6
2824	Recovery coupling in multilayer networks. Nature Communications, 2022, 13, 955.	5.8	30
2825	Disaster propagation in interdependent networks with different link patterns. Physical Review E, 2022, 105, 034302.	0.8	1
2826	Characteristic functional cores revealed by hyperbolic disc embedding and k-core percolation on resting-state fMRI. Scientific Reports, 2022, 12, 4887.	1.6	1
2827	A Memetic Algorithm for Solving the Robust Influence Maximization Problem on Complex Networks against Structural Failures. Sensors, 2022, 22, 2191.	2.1	7
2828	A novel synchronization transition and amplitude death in the local brain networks of cortical regions. Nonlinear Dynamics, 2022, 108, 2861-2874.	2.7	3
2829	Rich-Club Impact on Cascading Failures in Interdependent Power and Communication Networks. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 115-123.	2.7	6
2830	Autonomous inference of complex network dynamics from incomplete and noisy data. Nature Computational Science, 2022, 2, 160-168.	3.8	17
2831	Bayesian Optimization and Hierarchical Forecasting of Non-Weather-Related Electric Power Outages. Energies, 2022, 15, 1958.	1.6	3
2832	Cascading-Failures Effect on Heterogeneous Internet of Things Systems under Targeted Selective Attack. Security and Communication Networks, 2022, 2022, 1-13.	1.0	0
2833	Abnormality of Functional Connections in the Resting State Brains of Schizophrenics. Frontiers in Human Neuroscience, 2022, 16, 799881.	1.0	2
2834	Real-time pricing response attack in smart grid. IET Generation, Transmission and Distribution, 2022, 16, 2441-2454.	1.4	1
2835	Hidden transition in multiplex networks. Scientific Reports, 2022, 12, 3973.	1.6	1
2836	Queues on interacting networks. Queueing Systems, 0, , 1.	0.6	0

#	ARTICLE	IF	CITATIONS
2837	Quantifying disaster resilience of a community with interdependent civil infrastructure systems. Structure and Infrastructure Engineering, 2023, 19, 1696-1710.	2.0	15
2838	Determining seeds with robust influential ability from multi-layer networks: A multi-factorial evolutionary approach. Knowledge-Based Systems, 2022, 246, 108697.	4.0	13
2839	A comprehensive overview of modeling approaches and optimal control strategies for cyber-physical resilience in power systems. Renewable Energy, 2022, 189, 1383-1406.	4.3	27
2840	Robustness of circularly interdependent networks. Chaos, Solitons and Fractals, 2022, 157, 111934.	2.5	8
2841	Solving the robust influence maximization problem on multi-layer networks via a Memetic algorithm. Applied Soft Computing Journal, 2022, 121, 108750.	4.1	8
2842	Identification of the most influential stocks in financial networks. Chaos, Solitons and Fractals, 2022, 158, 111939.	2.5	5
2843	Systemic risks in electricity systems: A perspective on the potential of digital technologies. Energy Policy, 2022, 164, 112901.	4.2	12
2844	Accessibility-oriented performance evaluation of high-speed railways using a three-layer network model. Reliability Engineering and System Safety, 2022, 222, 108411.	5.1	9
2845	Robustness analysis of cyber-coupled power systems with considerations of interdependence of structures, operations and dynamic behaviors. Physica A: Statistical Mechanics and Its Applications, 2022, 596, 127215.	1.2	4
2846	A clustering-based framework for searching vulnerabilities in the operation dynamics of Cyber-Physical Energy Systems. Reliability Engineering and System Safety, 2022, 222, 108400.	5.1	5
2847	Revisiting driving factor influences on uncertain cascading disaster evolutions: From perspective of global sensitivity. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127217.	1.2	1
2848	Model and solution method for mean-risk cost-based post-disruption restoration of interdependent critical infrastructure networks. Computers and Operations Research, 2022, 144, 105812.	2.4	6
2849	Cascading failure in coupled networks of transportation and power grid. International Journal of Electrical Power and Energy Systems, 2022, 140, 108058.	3.3	6
2850	Multi-Scale Software Network Model for Software Safety of the Intended Functionality. , 2021, , .		2
2851	Robustness Analysis of Cyber-Physical Power System Based on Adjacent Matrix Evolution. , 2021, , .		0
2852	Dynamic control of intermittent renewableenergy fluctuations in two-layer power grids. Cybernetics and Physics, 2021, , 143-154.	0.2	1
2855	Link overlap influences opinion dynamics on multiplex networks of Ashkin-Teller spins. Physical Review E, 2021, 104, 064304.	0.8	4
2856	Impacts of Export Restrictions on the Global Personal Protective Equipment Trade Network During COVID-19. Advanced Theory and Simulations, 2022, 5, 2100352.	1.3	2

#	ARTICLE	IF	CITATIONS
2858	A quantification method of non-failure cascading spreading in a network of networks. <i>Chaos</i> , 2021, 31, 123122.	1.0	2
2859	Fault assessment method of Integrated Electricity and Natural Gas Network Considering Interdependent Characteristics. , 2021, , .		0
2860	Supply chain risks in Industry 4.0 environment: review and analysis framework. <i>Production Planning and Control</i> , 2023, 34, 1275-1302.	5.8	26
2861	MLCOR Model for Suppressing the Cascade of Edge Failures in Complex Network. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2021, 35, .	0.7	0
2862	Percolation analysis of the atmospheric structure. <i>Physical Review E</i> , 2021, 104, 064139.	0.8	1
2863	The self-adaptive routing strategy to alleviate packet loss in finite buffer networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 123402.	0.9	3
2864	Cascading Failure Analysis With Load Uncertainty in Cyber-Physical Power Systems. , 2021, , .		1
2865	Percolation on interdependent networks with different group size distributions under targeted attack. <i>International Journal of Modern Physics C</i> , 0, , .	0.8	0
2867	Reliability Evaluation of Cyber-Physical Power Systems Considering Supply- and Demand-Side Uncertainties. <i>Energies</i> , 2022, 15, 118.	1.6	2
2868	Vulnerability Analysis of Road Network under Information Pollution Attacks in VANET. , 2021, , .		0
2869	State-of-the-Art Development of Complex Systems and Their Simulation Methods. <i>Complex System Modeling and Simulation</i> , 2021, 1, 271-290.	3.2	16
2870	A Functional All-Hazard Approach to Critical Infrastructure Dependency Analysis. <i>The Journal of Critical Infrastructure Policy</i> , 2021, 2, 103-123.	0.2	0
2871	A Briefing Survey on Advances of Coupled Networks With Various Patterns. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	3
2872	Supply Chain Network Resilience by Considering Disruption Propagation: Topological and Operational Perspectives. <i>IEEE Systems Journal</i> , 2022, 16, 5305-5316.	2.9	11
2873	Alternations and Applications of the Structural and Functional Connectome in Gliomas: A Mini-Review. <i>Frontiers in Neuroscience</i> , 2022, 16, 856808.	1.4	6
2874	Percolation of interdependent networks with limited knowledge. <i>Physical Review E</i> , 2022, 105, 044305.	0.8	2
2875	The waiting-time distribution for network partitions in cascading failures in power networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 127381.	1.2	0
2876	Traffic dynamics based on dynamic local routing protocol in a finite buffer network. <i>International Journal of Modern Physics C</i> , 0, , .	0.8	1

#	ARTICLE	IF	CITATIONS
2877	Attack and defence methods in cyber-physical power system. IET Energy Systems Integration, 2022, 4, 159-170.	1.1	13
2878	Dynamical robustness of complex networks subject to long-range connectivity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, .	1.0	3
2879	Vertex centrality of complex networks based on joint nonnegative matrix factorization and graph embedding. Chinese Physics B, 0, , .	0.7	0
2880	A Fragility-Weighted Topological Network for Resilient Assessment of Overhead Power Distribution System Subjected to Hurricane Winds. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2022, 8, .	1.1	2
2881	Influence of an interurban innovation network on the innovation capacity of China: A multiplex network perspective. Technological Forecasting and Social Change, 2022, 180, 121651.	6.2	20
2882	Industrial water network vulnerability analysis using dynamic inoperability input-output model. Journal of Environmental Management, 2022, 314, 115015.	3.8	8
2883	A network-based structure-preserving dynamical model for the study of cascading failures in power grids. Electric Power Systems Research, 2022, 209, 107987.	2.1	7
2884	Effects of game willingness on the evolution of fairness in the ultimatum game. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 439, 128139.	0.9	1
2888	Towards Optimal Topological Structure Entropy for Robustness of Smart Grid against Cascading Failures. , 2022, , .		0
2889	Percolation on spatial anisotropic networks*. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 254003.	0.7	3
2890	Dynamics of node cascading model with source-sink edges. International Journal of Modern Physics C, 0, , .	0.8	0
2891	COVID-19 Lockdown Unravels the Complex Interplay between Environmental Conditions and Human Activity. Complexity, 2022, 2022, 1-14.	0.9	0
2892	Disintegrate hypergraph networks by attacking hyperedge. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 4679-4685.	2.7	7
2893	Epidemics on multilayer simplicial complexes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, .	1.0	33
2894	Multiplex network disintegration strategy inference based on deep network representation learning. Chaos, 2022, 32, .	1.0	4
2895	An improved efficient routing strategy on two-layer networks. Pramana - Journal of Physics, 2022, 96, .	0.6	1
2896	Asymptotically local synchronization in interdependent networks with unidirectional interlinks. PLoS ONE, 2022, 17, e0267909.	1.1	1
2897	Impact of hopping characteristics of inter-layer commuters on epidemic spreading in multilayer networks. Chaos, Solitons and Fractals, 2022, 159, 112100.	2.5	3

#	ARTICLE	IF	CITATIONS
2898	Percolation behaviors of a network of networks under intentional attack with limited information. Chaos, Solitons and Fractals, 2022, 159, 112147.	2.5	8
2899	Extreme events in dynamical systems and random walkers: A review. Physics Reports, 2022, 966, 1-52.	10.3	37
2900	A new approach for evaluating node importance in complex networks via deep learning methods. Neurocomputing, 2022, 497, 13-27.	3.5	16
2901	Impact of Operational and Restoration Interdependencies on Cost and Disruptive Effect in Multilayered Infrastructure Networks. Journal of Infrastructure Systems, 2022, 28, .	1.0	2
2902	Avalanche structural rearrangements in cold dusty plasma liquids through cascaded coherent excitations of heterogeneous multiscale thermal acoustic waves. Physical Review Research, 2022, 4, .	1.3	7
2903	From the origin of life to pandemics: emergent phenomena in complex systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	1.6	15
2904	Network resilience. Physics Reports, 2022, 971, 1-108.	10.3	51
2905	Challenges for large-scale Local Electricity Market implementation reviewed from the stakeholder perspective. Renewable and Sustainable Energy Reviews, 2022, 165, 112569.	8.2	8
2906	Measuring network interdependency between dependent networks: A supply-demand-based approach. Reliability Engineering and System Safety, 2022, 225, 108611.	5.1	5
2907	Modeling and vulnerability assessment of cyber physical system considering coupling characteristics. International Journal of Electrical Power and Energy Systems, 2022, 142, 108321.	3.3	10
2908	Non-Normal Interactions Create Socio-Economic Bubbles. SSRN Electronic Journal, 0, , .	0.4	2
2909	Hierarchical Modeling of Cyber-physical Power System for State Evolution Analysis. , 2022, , .		1
2910	A scenario modelling method for regional cascading disaster risk to support emergency decision making. International Journal of Disaster Risk Reduction, 2022, 77, 103102.	1.8	17
2911	Importance Assessment of Communication Equipment in Cyber-Physical Coupled Distribution Networks Based on Dynamic Node Failure Mechanism. Frontiers in Energy Research, 0, 10, .	1.2	5
2912	Modeling congestion considering sequential coupling applications: A network-cell-based method. Physica A: Statistical Mechanics and Its Applications, 2022, , 127668.	1.2	2
2913	Multidirectional recovery strategy against failure. Chaos, Solitons and Fractals, 2022, 160, 112272.	2.5	2
2914	Vulnerability assessment of urban road traffic systems based on traffic flow. International Journal of Critical Infrastructure Protection, 2022, 38, 100536.	2.9	14
2918	Visual Analysis of Multilayer Networks. Synthesis Lectures on Visualization, 2021, , .	0.1	2

#	ARTICLE	IF	CITATIONS
2919	Last-Mile Restoration for Multiple Interdependent Infrastructures. Proceedings of the AAAI Conference on Artificial Intelligence, 2012, 26, 455-463.	3.6	12
2922	Mitigating Cascading Failures in Power Grids via Markov Decision-Based Load-Shedding With DC Power Flow Model. IEEE Systems Journal, 2022, 16, 4048-4059.	2.9	2
2923	Peak fraction of infected in epidemic spreading for multi-community networks. Journal of Complex Networks, 2022, 10, .	1.1	0
2925	Power <sc>electronicsâ€™interfaced cyberâ€™physical</sc> power systems: A review on modeling, simulation, and cybersecurity. Wiley Interdisciplinary Reviews: Energy and Environment, 2022, 11, .	1.9	0
2926	Study on Invulnerability of Material Emergency Transportation System Based on Three-Layer Interdependent Network. Mathematical Problems in Engineering, 2022, 2022, 1-11.	0.6	1
2927	An integrated modeling framework for cascading failure study and robustness assessment of cyber-coupled power grids. Reliability Engineering and System Safety, 2022, 226, 108654.	5.1	13
2928	The impact of information dissemination on vaccination in multiplex networks. Science China Information Sciences, 2022, 65, .	2.7	7
2929	Study on the Localization of Fangcang Shelter Hospitals During Pandemic Outbreaks. Frontiers in Public Health, 0, 10, .	1.3	0
2930	Cascading failure in networks with dynamical behavior against multi-node removal. Chaos, Solitons and Fractals, 2022, 160, 112270.	2.5	5
2931	Modeling Regional and Local Resilience of Infrastructure Networks Following Disruptions from Natural Hazards. Journal of Infrastructure Systems, 2022, 28, .	1.0	5
2932	Note on a period of unexpected increase and expected decrease of PWR neutron noise in a Vor-Konvoi reactor. Annals of Nuclear Energy, 2022, 176, 109262.	0.9	0
2933	Percolation on simplicial complexes. Applied Mathematics and Computation, 2022, 431, 127330.	1.4	5
2934	Weak Percolation on Multiplex Networks with Overlapping Edges. SSRN Electronic Journal, 0, , .	0.4	0
2936	Locating Sources in Multiplex Networks for Linear Diffusion Systems. IEEE Transactions on Network Science and Engineering, 2022, 9, 3515-3530.	4.1	4
2937	Competing Diffusions in a Social Network. SSRN Electronic Journal, 0, , .	0.4	0
2938	Scaling up our understanding of tipping points. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	1.8	12
2939	Assessment Framework for Electric Power Systems Under Hypothetical Wind Storm Trajectories. , 2022, , .		0
2940	Network Robustness Revisited. Frontiers in Physics, 0, 10, .	1.0	3

#	ARTICLE	IF	CITATIONS
2941	A Whole Population Network and Its Application for the Social Sciences. <i>European Sociological Review</i> , 2023, 39, 145-160.	1.3	5
2942	Discrimination reveals reconstructability of multiplex networks from partial observations. <i>Communications Physics</i> , 2022, 5, .	2.0	6
2943	Double explosive transition in the synchronization of multilayer networks. <i>Physical Review Research</i> , 2022, 4, .	1.3	12
2944	Geometric Upper Critical Dimensions of the Ising Model. <i>Chinese Physics Letters</i> , 2022, 39, 080502.	1.3	3
2945	Frequency-amplitude correlation inducing first-order phase transition in coupled oscillators. <i>New Journal of Physics</i> , 2022, 24, 073038.	1.2	3
2946	Research on the propagation and governance of public opinion information under the joint action of internal and external factors. <i>Aslib Journal of Information Management</i> , 2023, 75, 193-214.	1.3	1
2947	Robustness of interdependent scale-free networks based on link addition strategies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127851.	1.2	7
2948	Developing a Bi-objective Optimization Model for a Sustainable and Secure Energy Planning Problem. <i>Process Integration and Optimization for Sustainability</i> , 0, , .	1.4	0
2949	Neural extraction of multiscale essential structure for network dismantling. <i>Neural Networks</i> , 2022, 154, 99-108.	3.3	8
2950	The water energy nexus: Improved emergency grid restoration with DERs. <i>Electric Power Systems Research</i> , 2022, 212, 108468.	2.1	0
2951	Non-Additive Security Games. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2017, 31, .	3.6	3
2952	Selection of Malicious Attack Nodes for Complex Networks Based on Structural Controllability. , 2022, , .		0
2953	Targeting attack hypergraph networks. <i>Chaos</i> , 2022, 32, .	1.0	14
2954	Robustness Analysis of CPPS considering Power Flow Constraints. <i>International Transactions on Electrical Energy Systems</i> , 2022, 2022, 1-9.	1.2	1
2955	Scale-free networks: evolutionary acceleration of the network survivability and its quantification. <i>Peer-to-Peer Networking and Applications</i> , 0, , .	2.6	2
2956	Forecasting the evolution of fast-changing transportation networks using machine learning. <i>Nature Communications</i> , 2022, 13, .	5.8	8
2957	Supply Network Formation and Fragility. <i>American Economic Review</i> , 2022, 112, 2701-2747.	4.0	37
2958	On Machine Learning-Based Techniques for Future Sustainable and Resilient Energy Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2023, 14, 1230-1243.	5.9	15



#	ARTICLE	IF	CITATIONS
2959	Critical Location of Communications Network with Power Grid Power Supply. IEICE Transactions on Communications, 2023, E106.B, 166-173.	0.4	1
2960	Temporal Connectivity as a Robustness Measure in NOMA Wireless Networks. , 2022, , .		0
2961	A Realistic Failure Propagation Model for Smart Grid Networks. , 2022, , .		0
2962	Optimal Path Planning With Minimum Inspection Teams and Balanced Working Hours For Power Line Inspection. Frontiers in Physics, 0, 10, .	1.0	1
2963	Editorial: Network resilience and robustness: Theory and applications. Frontiers in Physics, 0, 10, .	1.0	1
2964	No-exclaves percolation. Journal of the Korean Physical Society, 0, , .	0.3	1
2965	Multimodal urban mobility and multilayer transport networks. Environment and Planning B: Urban Analytics and City Science, 2023, 50, 2038-2070.	1.0	8
2966	Understanding percolation phase transition behaviors in complex networks from the macro and meso-micro perspectives. Europhysics Letters, 0, , .	0.7	0
2968	A Life Cycle Oriented Multi-objective Optimal Maintenance of Water Distribution: Model and Application. Water Resources Management, 2022, 36, 4161-4182.	1.9	4
2969	Routing and congestion in multi-modal transportation networks. International Journal of Modern Physics C, 0, , .	0.8	0
2970	Reliability analysis of interdependent hypergraph network under different attack strategies. International Journal of Modern Physics C, 2023, 34, .	0.8	2
2971	When multilayer links exchange their roles in synchronization. Physical Review E, 2022, 106, .	0.8	2
2972	Networks and Economic Fragility. Annual Review of Economics, 2022, 14, 665-696.	2.4	15
2973	<i>Colloquium</i>: Multiscale modeling of brain network organization. Reviews of Modern Physics, 2022, 94, .	16.4	12
2974	Emergence of dynamic properties in network hypermotifs. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
2975	Discontinuous percolation transitions in cluster merging processes. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 374002.	0.7	1
2976	An improved voterank algorithm to identifying a set of influential spreaders in complex networks. Frontiers in Physics, 0, 10, .	1.0	1
2977	Cyber-physical system fusion modeling and robustness evaluation. Electric Power Systems Research, 2022, 213, 108654.	2.1	5

#	ARTICLE	IF	CITATIONS
2978	Interdependent effects of critical infrastructure systems under different types of disruptions. International Journal of Disaster Risk Reduction, 2022, 81, 103266.	1.8	4
2979	The network perspective: Vertical connections linking organizational levels. Ecological Modelling, 2022, 473, 110112.	1.2	2
2980	Research on stock volatility risk and investor sentiment contagion from the perspective of multi-layer dynamic network. International Review of Financial Analysis, 2022, 84, 102359.	3.1	7
2981	Risk diffusion of international oil trade cuts: A network-based dynamics model. Energy Reports, 2022, 8, 11320-11333.	2.5	6
2982	Weak percolation on multiplex networks with overlapping edges. Chaos, Solitons and Fractals, 2022, 164, 112619.	2.5	3
2983	Seeding Strategy Based on Weighted Gravity Centrality in Multiplex Networks. IEEE Transactions on Network Science and Engineering, 2023, 10, 331-345.	4.1	2
2984	Sequential Disaster Recovery Strategy for Resilient Distribution Network Based on Cyber-Physical Collaborative Optimization. IEEE Transactions on Smart Grid, 2023, 14, 1173-1187.	6.2	8
2985	Robustness of Asymmetric Weighted Interdependent Networks. Lecture Notes in Electrical Engineering, 2022, , 742-750.	0.3	0
2986	Robustness of Networks with Dependency Groups Considering Fluctuating Loads and Recovery Behaviors. SSRN Electronic Journal, 0, , .	0.4	0
2987	A Cyber-Physical-Social Perspective on Future Smart Distribution Systems. Proceedings of the IEEE, 2023, 111, 694-724.	16.4	6
2988	A Simulation Framework Dedicated to Characterizing Risks and Cascading Effects in Collaborative Networks. IFIP Advances in Information and Communication Technology, 2022, , 463-474.	0.5	0
2989	Coordinated Repair Crew Dispatch Problem for Cyber-Physical Distribution System. IEEE Transactions on Smart Grid, 2023, 14, 2288-2300.	6.2	4
2990	Modeling Cascading Failures in Coupled Smart Grid Networks. IEEE Access, 2022, 10, 81054-81070.	2.6	5
2991	A Survey of Cyber-Physical Power System Modeling Methods for Future Energy Systems. IEEE Access, 2022, 10, 99875-99896.	2.6	11
2992	Non-traditional Security: A Risk-Centric View. , 2022, , 459-474.		0
2993	Community structure recovery optimization for partial disruption, functionality, and restoration in interdependent networks. Reliability Engineering and System Safety, 2023, 229, 108853.	5.1	4
2994	Estimating comparable distances to tipping points across mutualistic systems by scaled recovery rates. Nature Ecology and Evolution, 2022, 6, 1524-1536.	3.4	6
2995	Resilience of Multi-Layer Network System under Multi-Event Disturbance. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2996	Synchronizability of Multilayer Directed Dutch Windmill Networks. <i>Fractal and Fractional</i> , 2022, 6, 537.	1.6	2
2997	Multipopulation GA/IWO with Coupled Scale-Free Networks for Solving Flexible Job-Shop Scheduling Problems. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-14.	0.6	0
2998	Dynamic Load Redistribution of Power CPS Based on Comprehensive Index of Coupling Node Pairs. <i>Processes</i> , 2022, 10, 1937.	1.3	2
2999	Network approach to understand biological systems: From single to multilayer networks. <i>Journal of Biosciences</i> , 2022, 47, .	0.5	1
3000	Reliability Evaluation of Smart Substation Based on Time-Varying Probabilistic Hybrid Attack Graph. <i>Energies</i> , 2022, 15, 6724.	1.6	0
3001	An Effective Node-To-Edge Interdependent Network and Vulnerability Analysis for Digital Coupled Power Grids. <i>International Transactions on Electrical Energy Systems</i> , 2022, 2022, 1-13.	1.2	0
3002	Modelling fortification strategies for network resilience optimization: The case of immunization and mitigation. <i>IJSE Transactions</i> , 2024, 56, 411-423.	1.6	4
3003	Robustness improvement strategy of cyber-physical systems with weak interdependency. <i>Reliability Engineering and System Safety</i> , 2023, 229, 108837.	5.1	9
3004	Group percolation in interdependent networks with reinforcement network layer. <i>Chaos</i> , 2022, 32, 093126.	1.0	1
3005	Economic Risk Potential of Infrastructure Failure Considering In-Land Waterways. <i>Water (Switzerland)</i> , 2022, 14, 2874.	1.2	1
3006	Hyper-diffusion on multiplex networks. <i>Journal of Physics Complexity</i> , 2022, 3, 035009.	0.9	2
3007	Percolation transitions in interdependent networks with reinforced dependency links. <i>Chaos</i> , 2022, 32, .	1.0	2
3008	The fundamental benefits of multiplexity in ecological networks. <i>Journal of the Royal Society Interface</i> , 2022, 19, .	1.5	3
3009	Assessing the Development Level of Logistics for Sustainable Cities in Urban Agglomeration Based on a Multi-Layer Complex Network. <i>Systems</i> , 2022, 10, 171.	1.2	1
3010	A framework to evaluate systemic risks of inland waterway infrastructure. <i>Progress in Disaster Science</i> , 2022, 16, 100258.	1.4	3
3011	Asymptotical outer synchronization control of the complex dynamical networks via unknown interaction and links dynamics. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 4379-4390.	1.2	1
3013	Modeling and Analysis of Cascading Failures in Cyber-Physical Power Systems Under Different Coupling Strategies. <i>IEEE Access</i> , 2022, 10, 108684-108696.	2.6	1
3014	Identification of Vulnerable Links in Integrated Energy System Based on Complex Network Theory. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
3015	Impacts of COVID-19 on the Food Supply Chain for Arable Crops in Latvia. Rural Sustainability Research, 2022, 47, 47-60.	0.3	0
3016	Multidimensional resilience decision-making for complex and substructured systems. , 2022, 1, 61-78.		4
3017	Framework for Designing Virtual Water and Power Supply Networks with Interdependent Characteristics for Resilience Assessment. Buildings, 2022, 12, 1670.	1.4	1
3018	Non-equilibrium random walks on multiplex networks. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 103404.	0.9	0
3019	Control of Flight Conflict Interdependent Network Based Controllers'™ Workload Prediction Evaluation Study. Applied Sciences (Switzerland), 2022, 12, 10671.	1.3	0
3020	Research on the co-evolution of temporal networks structure and public opinion propagation. Journal of Information Science, 0, , 016555152211219.	2.0	0
3021	Correlation analysis of combined layers in multiplex networks based on entropy. PLoS ONE, 2022, 17, e0276344.	1.1	1
3022	Security Situation Awareness Assessment of Heterogeneous Cyber-Physical Systems in Multiple Load Mode. Security and Communication Networks, 2022, 2022, 1-10.	1.0	1
3023	Spatiotemporal investigation and determinants of interprovincial innovation network from a multilayer network perspective. Technology Analysis and Strategic Management, 0, , 1-16.	2.0	0
3024	Clues from networks: quantifying relational risk for credit risk evaluation of SMEs. Financial Innovation, 2022, 8, .	3.6	12
3025	Future pathways for energy networks: A review of international experiences in high income countries. Renewable and Sustainable Energy Reviews, 2023, 171, 113002.	8.2	4
3026	A Systematic Review on Cascading Failures Models in Renewable Power Systems with Dynamics Perspective and Protections Modeling. Electric Power Systems Research, 2023, 214, 108928.	2.1	8
3027	Modeling the Vulnerability and Resilience of Interdependent Transportation Networks under Multiple Disruptions. Journal of Infrastructure Systems, 2023, 29, .	1.0	4
3028	DECAF: An interpretable deep cascading framework for ICU mortality prediction. Artificial Intelligence in Medicine, 2023, 138, 102437.	3.8	2
3029	Simplicial cascades are orchestrated by the multidimensional geometry of neuronal complexes. Communications Physics, 2022, 5, .	2.0	6
3030	Coupled spreading between information and epidemics on multiplex networks with simplicial complexes. Chaos, 2022, 32, .	1.0	13
3031	Towards Optimal Robustness of Network Controllability by Nested-Edge Rectification. Axioms, 2022, 11, 639.	0.9	2
3032	Economic and virtual water multilayer networks in China. Journal of Cleaner Production, 2022, 381, 135041.	4.6	5

#	ARTICLE	IF	CITATIONS
3033	Asymmetrically interacting dynamics with mutual confirmation from multi-source on multiplex networks. <i>Information Sciences</i> , 2023, 619, 478-490.	4.0	6
3034	Cooperative evolution and symmetry breaking in interdependent networks based on alliance mechanisms. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 128320.	1.2	0
3035	A tensor-based formulation of hetero-functional graph theory. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3036	Statistical inference links data and theory in network science. <i>Nature Communications</i> , 2022, 13, .	5.8	20
3037	An influential node identification method considering multi-attribute decision fusion and dependency. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
3038	Network Analysis Measuring the Impact of Volcanic Eruptions. <i>Atmosphere</i> , 2022, 13, 1910.	1.0	0
3039	Emergent explosive transition on ring networks with low-pass filter. <i>Chaos, Solitons and Fractals</i> , 2023, 166, 112961.	2.5	3
3040	Research on Security Defense of Coupled Transportation and Cyber-Physical Power System Based on the Static Bayesian Game. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 3571-3583.	4.7	3
3041	Game Theory Based Dynamic Event-Driven Service Scheduling in Cloud Manufacturing. <i>IEEE Transactions on Automation Science and Engineering</i> , 2024, 21, 618-629.	3.4	0
3042	Cascading Dynamics of Invulnerable Complex Networks Based on Markov Decision. , 2022, , .		0
3043	Analysis on cascading failure of directed-undirected interdependent networks with different coupling modes. , 2022, , .		0
3044	Fragmentation of outage clusters during the recovery of power distribution grids. <i>Nature Communications</i> , 2022, 13, .	5.8	2
3045	Fractal Fluctuations at Mixed-Order Transitions in Interdependent Networks. <i>Physical Review Letters</i> , 2022, 129, .	2.9	4
3046	A framework for reconstructing transmission networks in infectious diseases. <i>Applied Network Science</i> , 2022, 7, .	0.8	0
3047	Risky cascading transitions in international relationships. , 0, , .		0
3048	Robustness of Interdependent Networks with Weak Dependency Based on Bond Percolation. <i>Entropy</i> , 2022, 24, 1801.	1.1	0
3049	Controllability robustness of complex networks. , 2022, 1, 100004.		6
3050	A Novel Methodology to Assess Seismic Resilience (SR) of Interconnected Infrastructures. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12975.	1.3	2

#	ARTICLE	IF	CITATIONS
3051	Robustness assessment of complex networks using the idle network. <i>Physical Review Research</i> , 2022, 4, .	1.3	1
3052	Fragility Induced by Interdependency of Complex Networks and Their Higher-Order Networks. <i>Entropy</i> , 2023, 25, 22.	1.1	3
3053	Exploring the global trade networks of the tungsten supply chain: Insights into the physical and monetary mismatch among countries. <i>Journal of Industrial Ecology</i> , 2023, 27, 323-335.	2.8	7
3054	Resilience analysis of cyber-physical systems: A review of models and methods. <i>Risk Analysis</i> , 2023, 43, 2359-2379.	1.5	2
3055	Prediction and mitigation of nonlocal cascading failures using graph neural networks. <i>Chaos</i> , 2023, 33, .	1.0	5
3056	Activity networks determine project performance. <i>Scientific Reports</i> , 2023, 13, .	1.6	3
3057	Complex systems in the spotlight: next steps after the 2021 Nobel Prize in Physics. <i>Journal of Physics Complexity</i> , 2023, 4, 010201.	0.9	16
3058	Modeling of risk cascading propagation in project portfolio network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 612, 128450.	1.2	1
3059	Robustness optimization of aviation-high-speed rail coupling network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 610, 128406.	1.2	2
3060	MODELING SOCIAL RESILIENCE: QUESTIONS, ANSWERS, OPEN PROBLEMS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2022, 25, .	0.9	2
3061	Robustness of Interdependent Power Grid and Communication Networks to Cascading Failures. <i>IEEE Transactions on Network Science and Engineering</i> , 2023, 10, 1919-1930.	4.1	3
3062	Reliability of the traffic network against cascading failures with individuals acting independently or collectively. <i>Transportation Research Part C: Emerging Technologies</i> , 2023, 147, 104017.	3.9	10
3063	Threshold cascade dynamics on signed random networks. <i>Chaos, Solitons and Fractals</i> , 2023, 168, 113118.	2.5	3
3064	Traffic-driven explosive synchronization with adaptive local routing in complex networks. <i>Chaos, Solitons and Fractals</i> , 2023, 168, 113142.	2.5	4
3065	Combat System-of-Systems Network Modeling Research. , 2022, , .		0
3066	Detecting Cyber Attacks in a Cyber-physical Power System: A Machine Learning Based Approach. , 2022, , .		0
3068	Disruption-Robust Community Detection Using Consensus Clustering in Complex Networks. , 2022, , .		0
3069	State Estimation in Partially Observable Power Systems via Graph Signal Processing Tools. <i>Sensors</i> , 2023, 23, 1387.	2.1	5

#	ARTICLE	IF	CITATIONS
3070	A new effective metric for dynamical robustness of directed networks. <i>Frontiers in Physics</i> , 0, 11, .	1.0	2
3071	Optimal Design and Configuration Strategy for the Physical Layer of Energy Router Based on the Complex Network Theory. <i>IEEE Transactions on Smart Grid</i> , 2023, , 1-1.	6.2	1
3072	Proactive vs. reactive country responses to the COVID-19 pandemic shock. <i>PLOS Global Public Health</i> , 2023, 3, e0001345.	0.5	1
3073	Sustaining a network by controlling a fraction of nodes. <i>Communications Physics</i> , 2023, 6, .	2.0	2
3074	External field and critical exponents in controlling dynamics on complex networks. <i>New Journal of Physics</i> , 2023, 25, 023002.	1.2	1
3075	Cooperation and Competition Coupled Diffusion of Multi-Feature on Multiplex Networks and Its Control. <i>IEEE Transactions on Network Science and Engineering</i> , 2023, 10, 2307-2318.	4.1	0
3076	A Dependency Links Removal Strategy to Improve Robustness of Cyber-Physical Power Systems. , 2023, , .		0
3077	The Adaptive Seismic Resilience of Infrastructure Systems: A Bayesian Networks Analysis. <i>Systems</i> , 2023, 11, 84.	1.2	0
3078	A Distributed-GPU Deep Reinforcement Learning System for Solving Large Graph Optimization Problems. <i>ACM Transactions on Parallel Computing</i> , 2023, 10, 1-23.	1.2	0
3079	Analysis on Cascading Failures of Directed&ldquo;Undirected Interdependent Networks with Different Coupling Patterns. <i>Entropy</i> , 2023, 25, 471.	1.1	2
3080	Cascading failures in interdependent directed networks under localized attacks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 620, 128761.	1.2	1
3081	Geopolitics of the energy transition. <i>Journal of Chinese Geography</i> , 2023, 33, 683-704.	1.5	6
3082	Evolution of cooperation in multigames on interdependent networks. <i>Physica D: Nonlinear Phenomena</i> , 2023, 447, 133692.	1.3	2
3083	Study on international energy market and geopolitical risk contagion based on complex network. <i>Resources Policy</i> , 2023, 82, 103495.	4.2	13
3084	Signal propagation in complex networks. <i>Physics Reports</i> , 2023, 1017, 1-96.	10.3	50
3085	Adapting HLA-based co-simulation for interdependent infrastructure resilience management. <i>Automation in Construction</i> , 2023, 150, 104860.	4.8	1
3086	A data-driven distributionally robust approach for the optimal coupling of interdependent critical infrastructures under random failures. <i>European Journal of Operational Research</i> , 2023, 309, 872-889.	3.5	2
3087	The Interdependence Ranking Method and Failure Mitigation Strategy for Cyber-Physical Power System. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
3088	A narrative perspective of island detection methods under the lens of cyber-attack in data-driven smart grid. <i>Journal of Electrical Systems and Information Technology</i> , 2023, 10, .	1.2	5
3089	The robustness of complex product development projects under design change risk propagation with gray attack information. <i>Reliability Engineering and System Safety</i> , 2023, 235, 109248.	5.1	1
3090	Analysis of the effect of node attack method on cascading failures in multi-layer directed networks. <i>Chaos, Solitons and Fractals</i> , 2023, 168, 113156.	2.5	5
3091	Hybrid Attack Modeling for Critical Energy Infrastructure Protection. , 2022, , 1-19.		0
3092	Resilience of Urban Rail Transit Networks under Compound Natural and Opportunistic Failures. , 2022, , .		0
3093	Reinforcing critical links for robust network logistics: A centrality measure for substitutability. <i>Journal of Physics Communications</i> , 2023, 7, 025001.	0.5	0
3094	Smart cities at risk: Systemic risk drivers in the blind spot of long-term governance. <i>Risk Analysis</i> , 2023, 43, 2158-2168.	1.5	1
3095	Robustness of networks with dependency groups considering fluctuating loads and recovery behaviors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 613, 128505.	1.2	0
3096	Future Energy System Analyses. , 2022, , 1-26.		0
3097	Occurrence of super-diffusion in two-layer networks. <i>Chaos</i> , 2023, 33, .	1.0	1
3098	Cyber-physical cascading failure and resilience of power grid: A comprehensive review. <i>Frontiers in Energy Research</i> , 0, 11, .	1.2	2
3099	A network analysis of the structure and dynamics of FX derivatives markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 615, 128549.	1.2	1
3100	Robustness measurement of multiplex networks based on graph spectrum. <i>Chaos</i> , 2023, 33, .	1.0	1
3101	Multi-component system maintenance optimization of rail transit train based on opportunistic correlations. <i>Transportation Safety and Environment</i> , 0, , .	1.1	0
3102	Multiplex reconstruction with partial information. <i>Physical Review E</i> , 2023, 107, .	0.8	1
3103	Predicting the cascading dynamics in complex networks via the bimodal failure size distribution. <i>Chaos</i> , 2023, 33, 023137.	1.0	0
3104	Control-capacity analysis and optimized construction for controlled interdependent networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2023, 616, 128597.	1.2	0
3105	Dynamic Coupling Strategy for Interdependent Network Systems Against Cascading Failures. <i>IEEE Transactions on Network Science and Engineering</i> , 2023, 10, 2265-2282.	4.1	2



#	ARTICLE	IF	CITATIONS
3106	Robustness Assessment of Cyber-Physical System with Different Interdependent Mechanisms. Electronics (Switzerland), 2023, 12, 1093.	1.8	0
3107	Q-learning-based sequential recovery of interdependent power-communication network after cascading failures. Neural Computing and Applications, 2023, 35, 12833-12845.	3.2	1
3108	The dynamic nature of percolation on networks with triadic interactions. Nature Communications, 2023, 14, .	5.8	13
3109	Vulnerability and robustness of interdependent transport networks in north-western Italy. European Transport Research Review, 2023, 15, .	2.3	3
3110	Analysis of Failure Propagation in Cyber-Physical Power Systems Based on an Epidemic Model. Energies, 2023, 16, 2624.	1.6	0
3111	Understanding and governing global systemic crises in the 21st century: A complexity perspective. Global Policy, 2023, 14, 207-228.	1.0	5
3112	Research on terminal security of 5G network under different attack scenes. , 2022, , .		0
3113	Resilience Modeling of Interdependent Supply Chain Networks with Company Collaboration Against Ripple Effects. , 2022, , .		0
3114	A Theoretical Framework to Investigate Interdependency in the Assessment of Fire Resilience. Fire, 2023, 6, 127.	1.2	1
3115	Vulnerability Assessment of Interdependent Infrastructures Based on a Cascading Failure Model. , 2022, , .		0
3116	Accelerating network layouts using graph neural networks. Nature Communications, 2023, 14, .	5.8	3
3117	RUSSIA'S WAR AGAINST UKRAINE AS A GLOBAL THREAT TO FOOD SECURITY: SHORT-TERM EFFECTS. Actual Problems of International Relations, 2022, , 55-68.	0.1	0
3118	Interlayer antisynchronization in degree-biased duplex networks. Physical Review E, 2023, 107, .	0.8	3
3119	Critical behaviors of cascading dynamics on multiplex two-dimensional lattices. Journal of the Korean Physical Society, 0, , .	0.3	0
3120	Cascading failure analysis of uniform double-layer hyper-networks based on the Couple Map Lattice model. , 2022, , .		0
3121	Collaborative stochastic expansion planning of cyber-physical system considering extreme scenarios. IET Generation, Transmission and Distribution, 0, , .	1.4	1
3122	Research and Development of Cyber Cyberspace Resilience Technology. , 2022, , .		0
3123	Vulnerability Analysis and Evaluation of Nodes in Cyber-Physical Power System under the Framework of Blockchain. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
3124	Note on the potential to increase the accuracy of source term calculations for spent nuclear fuel. <i>Frontiers in Energy Research</i> , 0, 11, .	1.2	3
3125	Resilience Assessment Method of Integrated Electricity and Gas System Based on Hetero-functional Graph Theory. , 2022, , .		0
3126	Structural connectivity-based predictors of cognitive impairment in stroke patients attributable to aging. <i>PLoS ONE</i> , 2023, 18, e0280892.	1.1	0
3127	Emergent stability in complex network dynamics. <i>Nature Physics</i> , 2023, 19, 1033-1042.	6.5	9
3129	Study on The Robustness of Cascade Failure and Recovery of Dependent Networks Under Load. , 2023, , .		0
3131	Research on Key Fragile Dependency Links Removal Strategies in Interdependent Power and Communication Networks under Cascading Failures. , 2023, , .		0
3134	Spread of Perturbations in Supply Chain Networks: The Effect of the Bow-Tie Organization on the Resilience of the Global Automotive System. <i>Communications in Computer and Information Science</i> , 2023, , 40-57.	0.4	0
3139	Spreading of Failures in Interdependent Networks. , 2023, , 389-403.		1
3140	Potts model with invisible states: a review. <i>European Physical Journal: Special Topics</i> , 2023, 232, 1681-1691.	1.2	3
3153	Vulnerability and Resilience Analysis of Cyber-Physical Power System Failures under Catastrophic Extreme Condition. , 2023, , .		0
3155	A Nonlinear Model Based on Data-Driven Control for Cascading Failure in Power Grids. , 2022, , .		0
3156	Network Science and Automation. <i>Springer Handbooks</i> , 2023, , 251-274.	0.3	0
3160	Optimal Load Shedding for Smart Power Grid Resilience Enhancement Considering Cyber-Physical Constraints. <i>IFIP Advances in Information and Communication Technology</i> , 2023, , 67-81.	0.5	0
3161	Survivable routing in interdependent power-optical networks. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
3168	The role of complexity for digital twins of cities. <i>Nature Computational Science</i> , 2023, 3, 374-381.	3.8	12
3171	Graph Theoretic Approach for Decentralized Control Architecture of Cyber Physical Smart Grid. , 2023, , .		0
3175	Cyber-Physical Security Research Framework for Distributed Energy Resources. , 2023, , 153-179.		0
3176	Cascading Failures Under Extreme Temperatures. , 2023, , 3-29.		0

#	ARTICLE	IF	CITATIONS
3178	Resilience Evaluation Method Considering Critical Line Identification of Cascading Failure. , 2023, , .		0
3189	Cascading Failure Analysis of Cyber-Coupled Power System Considering Virus Propagation. , 2023, , .		0
3199	Understanding Interdependencies in Cyber-Physical Power Systems - A Review. , 2023, , .		0
3200	A Simulation-Based Optimization Framework Applied to Assess the Resilience of Energy Distribution Center. , 2023, , 859-871.		0
3202	The effect of simplicial awareness dissemination on epidemic reaction-diffusion. , 2023, , .		0
3205	Connectome-based modelling of neurodegenerative diseases: towards precision medicine and mechanistic insight. Nature Reviews Neuroscience, 2023, 24, 620-639.	4.9	9
3206	More is different in real-world multilayer networks. Nature Physics, 2023, 19, 1247-1262.	6.5	9
3221	Hybrid Attack Modeling for Critical Energy Infrastructure Protection. , 2023, , 429-447.		0
3222	Future Energy System Analyses. , 2023, , 2303-2328.		0
3229	The Vulnerability Analysis of Power Cyber Physical System Based on Cascading Fault Graph. , 2023, , .		0
3233	Research on Adaptive Network Recovery Method Based on Key Node Identification. Lecture Notes in Electrical Engineering, 2023, , 341-352.	0.3	0
3234	Graph Theoretic Approach for Cyber Contingency Analysis of Smart Grid. , 2023, , .		0
3236	Dynamic Assessment of Urban Interdependent Infrastructure Failure Risk Under Heavy Rainfall and Flooding. , 2023, , .		0
3237	Towards Calculating the Resilience of Urban Transport Network Under Attack. Communications in Computer and Information Science, 2023, , 27-46.	0.4	0
3245	Evaluating the Optimality of Dynamic Coupling Strategies in Interdependent Network Systems. , 2023, , .		0
3251	Disaster-Resilient Upgrade of Interdependent Networks. , 2023, , .		0
3278	Robustness of interdependent networks with weak dependency links and reinforced nodes. Science China Information Sciences, 2024, 67, .	2.7	0
3280	Shapley Value-Based Node Assessment in Unreliable Complex Networks: Initial Research Progress. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3283	Robustness and resilience of complex networks. Nature Reviews Physics, 2024, 6, 114-131.	11.9	0
3284	Disaster Forensics of Infrastructure Systems. , 2023, , 195-275.		0
3285	Imprecise Survival Signature Approximation Using Interval Predictor Models. , 2023, , .		0
3286	Dependencies and Interdependencies and Their Effect on Resilience. , 2023, , 161-194.		0
3306	Interaction Models for Analysis and Mitigation of Cascading Failures. Power Electronics and Power Systems, 2024, , 49-106.	0.6	0
3308	Rethinking Independence in Safety Systems. Springer Proceedings in Complexity, 2024, , 153-166.	0.2	0
3311	Coordinated cyber attack of multiple step based on local and global information. , 2023, , .		0
3313	Influence Robustness of Nodes in Multiplex Networks Against Attacks. Studies in Computational Intelligence, 2024, , 62-74.	0.7	0
3324	Improving Access to Finance to Unlock SME Growth Potential in Emerging Markets. Advances in Logistics, Operations, and Management Science Book Series, 2023, , 54-67.	0.3	0