Jiajing Wu

List of Publications by Citations

60 papers	1,008 citations	18 h-index	30 g-index
67 ext. papers	1,369 ext. citations	3.5 avg, IF	5.27 L-index

#	Paper	IF	Citations
60	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	3.5	152
59	Cooperative and Distributed Computation Offloading for Blockchain-Empowered Industrial Internet of Things. *IEEE Internet of Things Journal*, **2019**, 6, 8433-8446	10.7	75
58	Traffic congestion in interconnected complex networks. *Physical Review E*, **2014**, 89, 062813	2.4	75
57	A Stochastic Model of Cascading Failure Dynamics in Communication Networks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2018**, 65, 632-636	3.5	58
56	A Secure and Efficient Blockchain-Based Data Trading Approach for Internet of Vehicles. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 9110-9121	6.8	56
55	Analysis of Communication Network Performance From a Complex Network Perspective. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2013**, 60, 3303-3316	3.9	52
54	Blockchain for cloud exchange: A survey. *Computers and Electrical Engineering*, **2020**, 81, 106526	4.3	46
53	Who Are the Phishers? Phishing Scam Detection on Ethereum via Network Embedding. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-11	7.3	35
52	Robustness assessment of cyber-physical systems with weak interdependency. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 522, 9-17	3.3	33
51	Modeling and Understanding Ethereum Transaction Records via a Complex Network Approach. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 2737-2741	3.5	32
50	XBlock-ETH: Extracting and Exploring Blockchain Data From Ethereum. *IEEE Open Journal of the Computer Society*, **2020**, 1, 95-106	3.6	30
49	Complex-Network-Inspired Design of Traffic Generation Patterns in Communication Networks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2017**, 64, 590-594	3.5	28
48	Robustness of Asymmetric Cyber-Physical Power Systems Against Cyber Attacks. *IEEE Access*, **2019**, 7, 61342-61352	3.5	25
47	Detecting Mixing Services via Mining Bitcoin Transaction Network With Hybrid Motifs. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-13	7.3	25
46	Optimal Coupling Patterns in Interconnected Communication Networks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2018**, 65, 1109-1113	3.5	21
45	Concept of Node Usage Probability From Complex Networks and Its Applications to Communication Network Design. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2015**, 62, 1195-1204	3.9	20
44	Optimizing Performance of Communication Networks: An Application of Network Science. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2015**, 62, 95-99	3.5	20

43	Sequential Restorations of Complex Networks After Cascading Failures. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 400-411	7.3	19
42	Sequential topology recovery of complex power systems based on reinforcement learning. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 535, 122487	3.3	16
41	Effects of traffic generation patterns on the robustness of complex networks. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 492, 871-877	3.3	16
40	Analysis of cryptocurrency transactions from a network perspective: An overview. *Journal of Network and Computer Applications*, **2021**, 190, 103139	7.9	16
39	Introduction to Focus Issue: Complex Network Approaches to Cyber-Physical Systems. *Chaos*, **2019**, 29, 093123	3.3	14
38	Abnormal phenomenon in robustness of complex networks with heterogeneous node functions. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 506, 451-461	3.3	14
37	Optimal topologies for maximizing network transmission capacity. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 495, 191-201	3.3	12
36	Sequential Recovery of Complex Networks Suffering From Cascading Failure Blackouts. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 2997-3007	4.9	11
35	T-EDGE: Temporal WEighted MultiDiGraph Embedding for Ethereum Transaction Network Analysis. *Frontiers in Physics*, **2020**, 8,	3.9	10
34	An asymmetric interdependent networks model for cyber-physical systems. *Chaos*, **2020**, 30, 053135	3.3	9
33	Phishing Detection on Ethereum via Learning Representation of Transaction Subgraphs. *Communications in Computer and Information Science*, **2020**, 178-191	0.3	8
32	Optimizing robustness of complex networks with heterogeneous node functions based on the Memetic Algorithm. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 511, 143-153	3.3	7
31	CDS: A Cross-Version Software Defect Prediction Model With Data Selection. *IEEE Access*, **2020**, 8, 110059-110072	3.5	7
30	Eradicating abrupt collapse on single network with dependency groups. *Chaos*, **2019**, 29, 083111	3.3	6
29	Long-range dependence, multi-fractality and volume-return causality of Ether market. *Chaos*, **2020**, 30, 011101	3.3	5
28	Complex Network Analysis of the Bitcoin Transaction Network. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1	3.5	5
27	Revealing Structural and Functional Vulnerability of Power Grids to Cascading Failures. *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, **2021**, 11, 133-143	5.2	5
26	Sequential Node/Link Recovery Strategy of Power Grids Based on Q-Learning Approach **2019**,		4

25	Bifurcation in Transmission Networks Under Variation of Link Capacity. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850093	2	4
24	Transaction-Based Hidden Strategies against General Phishing Detection Framework on Ethereum **2021**,		4
23	Identifying Influential Nodes in Complex Networks via Semi-Local Centrality **2018**,		4
22	Do cryptocurrency exchanges fake trading volumes? An empirical analysis of wash trading based on data mining. *Physica A: Statistical Mechanics and Its Applications*, **2021**, 586, 126405	3.3	4
21	Effective routing algorithms based on node usage probability from a complex network perspective **2014**,		3
20	Robustness Analysis of Power Grids Against Cascading Failures Based on a Multi-Objective Algorithm **2019**,		2
19	Exploring EOSIO via Graph Characterization. *Communications in Computer and Information Science*, **2020**, 475-488	0.3	2
18	Cross Entropy Attack on Deep Graph Infomax **2020**,		2
17	Sequential Node Attack of Complex Networks Based on Q-Learning Method **2021**,		2
16	. *IEEE Transactions on Computational Social Systems*, **2021**, 1-12	4.5	2
15	Understanding Ethereum Transactions via Network Approach. *Big Data Management*, **2021**, 155-176	0	2
14	Ethereum Account Classification based on Graph Convolutional Network. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1	3.5	2
13	Heterogeneous Feature Augmentation for Ponzi Detection in Ethereum. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1	3.5	2
12	Measuring Cohesion of Software Systems Using Weighted Directed Complex Networks **2018**,		1
11	Preference for Number of Friends in Online Social Networks. *Future Internet*, **2021**, 13, 236	3.3	1
10	Analyzing Robustness of Complex Networks Against Incomplete Information. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1	3.5	1
9	Phishing Detection on Ethereum via Attributed Ego-graph Embedding. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1	3.5	1
8	FA-GNN: Filter and Augment Graph Neural Networks for Account Classification in Ethereum. *IEEE Transactions on Network Science and Engineering*, **2022**, 1-1	4.9	1

List of Publications

7	Ethereum transaction tracking: Inferring evolution of transaction networks via link prediction. *Physica A: Statistical Mechanics and Its Applications*, **2022**, 127504	3.3	1
6	Overview of Blockchain Intelligence **2021**, 1-14		0
5	Enhancing Robustness and Transmission Performance of Heterogeneous Complex Networks via Multiobjective Optimization. *IEEE Systems Journal*, **2021**, 1-12	4.3	0
4	Sequential Attacker-Defender Game on Complex Networks Considering the Cascading Failure Process. *IEEE Transactions on Computational Social Systems*, **2021**, 1-12	4.5	0
3	Deep Learning-Based Transaction Prediction in Ethereum. *Communications in Computer and Information Science*, **2021**, 30-43	0.3	
2	Portraits of Typical Accounts in Ethereum Transaction Network. *Communications in Computer and Information Science*, **2021**, 44-56	0.3	
1	Analysis and Mining of Blockchain Transaction Network **2021**, 41-71		