

Jiajing Wu

List of Publications by Year in descending order

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66
papers

1,918
citations

279487

23
h-index

264894

42
g-index

67
all docs

67
docs citations

67
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Who Are the Phishers? Phishing Scam Detection on Ethereum via Network Embedding. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1156-1166.	5.9	125
3	Cooperative and Distributed Computation Offloading for Blockchain-Empowered Industrial Internet of Things. IEEE Internet of Things Journal, 2019, 6, 8433-8446.	5.5	114
4	A Secure and Efficient Blockchain-Based Data Trading Approach for Internet of Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 9110-9121.	3.9	103
5	Traffic congestion in interconnected complex networks. Physical Review E, 2014, 89, 062813.	0.8	90
6	Blockchain for cloud exchange: A survey. Computers and Electrical Engineering, 2020, 81, 106526.	3.0	86
7	Detecting Mixing Services via Mining Bitcoin Transaction Network With Hybrid Motifs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2237-2249.	5.9	86
8	XBlock-ETH: Extracting and Exploring Blockchain Data From Ethereum. IEEE Open Journal of the Computer Society, 2020, 1, 95-106.	5.2	84
9	A Stochastic Model of Cascading Failure Dynamics in Communication Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 632-636.	2.2	73
10	Analysis of Communication Network Performance From a Complex Network Perspective. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3303-3316.	3.5	72
11	Modeling and Understanding Ethereum Transaction Records via a Complex Network Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2737-2741.	2.2	70
12	Analysis of cryptocurrency transactions from a network perspective: An overview. Journal of Network and Computer Applications, 2021, 190, 103139.	5.8	69
13	Robustness assessment of cyber-physical systems with weak interdependency. Physica A: Statistical Mechanics and Its Applications, 2019, 522, 9-17.	1.2	48
14	Sequential Restorations of Complex Networks After Cascading Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 400-411.	5.9	44
15	T-EDGE: Temporal WEighted MultiDiGraph Embedding for Ethereum Transaction Network Analysis. Frontiers in Physics, 2020, 8, .	1.0	43
16	Robustness of Asymmetric Cyber-Physical Power Systems Against Cyber Attacks. IEEE Access, 2019, 7, 61342-61352.	2.6	35
17	Sequential Recovery of Complex Networks Suffering From Cascading Failure Blackouts. IEEE Transactions on Network Science and Engineering, 2020, 7, 2997-3007.	4.1	33
18	Phishing Detection on Ethereum via Learning Representation of Transaction Subgraphs. Communications in Computer and Information Science, 2020, , 178-191.	0.4	33

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19	Complex-Network-Inspired Design of Traffic Generation Patterns in Communication Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 590-594.	2.2	32
20	Sequential topology recovery of complex power systems based on reinforcement learning. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122487.	1.2	28
21	Optimal Coupling Patterns in Interconnected Communication Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1109-1113.	2.2	26
22	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.	3.5	25
23	Optimizing Performance of Communication Networks: An Application of Network Science. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 95-99.	2.2	24
24	Do cryptocurrency exchanges fake trading volumes? An empirical analysis of wash trading based on data mining. Physica A: Statistical Mechanics and Its Applications, 2022, 586, 126405.	1.2	24
25	An asymmetric interdependent networks model for cyber-physical systems. Chaos, 2020, 30, 053135.	1.0	20
26	Evolution of Ethereum Transaction Relationships: Toward Understanding Global Driving Factors From Microscopic Patterns. IEEE Transactions on Computational Social Systems, 2022, 9, 559-570.	3.2	20
27	Effects of traffic generation patterns on the robustness of complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 871-877.	1.2	19
28	CDS: A Cross-Version Software Defect Prediction Model With Data Selection. IEEE Access, 2020, 8, 110059-110072.	2.6	19
29	Transaction-Based Hidden Strategies against General Phishing Detection Framework on Ethereum. , 2021, , .		19
30	FA-GNN: Filter and Augment Graph Neural Networks for Account Classification in Ethereum. IEEE Transactions on Network Science and Engineering, 2022, 9, 2579-2588.	4.1	19
31	Abnormal phenomenon in robustness of complex networks with heterogeneous node functions. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 451-461.	1.2	16
32	Introduction to Focus Issue: Complex Network Approaches to Cyber-Physical Systems. Chaos, 2019, 29, 093123.	1.0	16
33	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.	2.7	16
34	Optimal topologies for maximizing network transmission capacity. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 191-201.	1.2	15
35	Long-range dependence, multi-fractality and volume-return causality of Ether market. Chaos, 2020, 30, 011101.	1.0	15
36	Complex Network Analysis of the Bitcoin Transaction Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1009-1013.	2.2	15

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37	Eradicating abrupt collapse on single network with dependency groups. Chaos, 2019, 29, 083111.	1.0	13
38	On-chain analysis-based detection of abnormal transaction amount on cryptocurrency exchanges. Physica A: Statistical Mechanics and Its Applications, 2022, 604, 127799.	1.2	13
39	Ethereum transaction tracking: Inferring evolution of transaction networks via link prediction. Physica A: Statistical Mechanics and Its Applications, 2022, 600, 127504.	1.2	12
40	Identifying Influential Nodes in Complex Networks via Semi-Local Centrality. , 2018, , .		11
41	Sequential Node/Link Recovery Strategy of Power Grids Based on Q-Learning Approach. , 2019, , .		11
42	Exploring EOSIO via Graph Characterization. Communications in Computer and Information Science, 2020, , 475-488.	0.4	11
43	Phishing Detection on Ethereum via Attributed Ego-Graph Embedding. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2538-2542.	2.2	9
44	Effective routing algorithms based on node usage probability from a complex network perspective. , 2014, , .		7
45	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.	1.2	7
46	Ethereum Account Classification Based on Graph Convolutional Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2528-2532.	2.2	7
47	Heterogeneous Feature Augmentation for Ponzi Detection in Ethereum. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3919-3923.	2.2	6
48	Bifurcation in Transmission Networks Under Variation of Link Capacity. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850093.	0.7	5
49	Preference for Number of Friends in Online Social Networks. Future Internet, 2021, 13, 236.	2.4	5
50	Sequential Attackerâ€“Defender Game on Complex Networks Considering the Cascading Failure Process. IEEE Transactions on Computational Social Systems, 2022, 9, 518-529.	3.2	5
51	Understanding Ethereum Transactions via Network Approach. Big Data Management, 2021, , 155-176.	0.9	4
52	Complex network approach to communication network performance analysis. , 2012, , .		3
53	Sequential Node Attack of Complex Networks Based on Q-Learning Method. , 2021, , .		3
54	Analyzing Robustness of Complex Networks Against Incomplete Information. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2523-2527.	2.2	3

#	ARTICLE	IF	CITATIONS
55	An Empirical Study of Solidity Language Features. , 2021, , .		3
56	Robustness Analysis of Power Grids Against Cascading Failures Based on a Multi-Objective Algorithm. , 2019, , .		2
57	Cross Entropy Attack on Deep Graph Infomax. , 2020, , .		2
58	An adaptive routing algorithm for load balancing in communication networks. , 2013, , .		1
59	An effective rewiring strategy for optimizing traffic performance of communication networks. , 2016, , .		1
60	Measuring Cohesion of Software Systems Using Weighted Directed Complex Networks. , 2018, , .		1
61	Overview of Blockchain Intelligence. , 2021, , 1-14.		1
62	Enhancing Robustness and Transmission Performance of Heterogeneous Complex Networks via Multiobjective Optimization. IEEE Systems Journal, 2021, , 1-12.	2.9	1
63	Analysis and Mining of Blockchain Transaction Network. , 2021, , 41-71.		1
64	Concept of Node Usage Probability for Analysis and Design of Communication Networks. , 2012, , .		0
65	Effect of traffic generation patterns on traffic performance of complex networks. , 2016, , .		0
66	Deep Learning-Based Transaction Prediction in Ethereum. Communications in Computer and Information Science, 2021, , 30-43.	0.4	0