Yongxiang Xia

List of Publications by Year in Descending Order

46 papers	912 citations	14 h-index	29 g-index
52 ext. papers	1,103 ext. citations	3.1 avg, IF	5 L-index

#	Paper	IF	Citations
46	Hybrid-radius spatial network model and its robustness analysis. *Physica A: Statistical Mechanics and Its Applications*, **2022**, 591, 126800	3.3	0
45	Cyber Protection for Malware Attack Resistance in Cyber-Physical Power Systems. *IEEE Systems Journal*, **2022**, 1-9	4.3	0
44	Vulnerability analysis of cyber physical systems under the false alarm cyber attacks. *Physica A: Statistical Mechanics and Its Applications*, **2022**, 599, 127416	3.3	1
43	An Electric Vehicle Battery-Swapping System: Concept, Architectures, and Implementations. *IEEE Intelligent Transportation Systems Magazine*, **2021**, 2-21	2.6	0
42	Robustness improvement for cyber physical system based on an optimization model of interdependent constraints. *Chaos*, **2021**, 31, 033125	3.3	1
41	A Briefing Survey on Advances of Coupled Networks With Various Patterns. *Frontiers in Physics*, **2021**, 9,	3.9	1
40	An asymmetric interdependent networks model for cyber-physical systems. *Chaos*, **2020**, 30, 053135	3.3	9
39	Analysis of Malware-Induced Cyber Attacks in Cyber-Physical Power Systems. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 3482-3486	3.5	9
38	Improving Robustness of Interdependent Networks by Reducing Key Unbalanced Dependency Links. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 3187-3191	3.5	4
37	Cross Entropy Attack on Deep Graph Infomax **2020**,		2
36	A Hybrid Cyber Attack Model for Cyber-Physical Power Systems. *IEEE Access*, **2020**, 8, 114876-114883	3.5	13
35	Sequential Recovery of Complex Networks Suffering From Cascading Failure Blackouts. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 2997-3007	4.9	11
34	Cascading failures in spatial complex networks. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 559, 125071	3.3	6
33	Robustness of Complex Networks Considering Attack Cost. *IEEE Access*, **2020**, 8, 172398-172404	3.5	7
32	Vulnerability Assessment of Power Grids Against Link-Based Attacks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 2209-2213	3.5	11
31	Robustness of Link Prediction Under Network Attacks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 1472-1476	3.5	6
30	Introduction to Focus Issue: Complex Network Approaches to Cyber-Physical Systems. *Chaos*, **2019**, 29, 093123	3.3	14

29	Predicting the Evolution Process of Infrastructure Networks With an NSIPA Link Prediction Method. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2019**, 66, 1895-1899	3.5	2
28	Robustness assessment of cyber-physical systems with weak interdependency. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 522, 9-17	3.3	33
27	Optimal Robustness in Power Grids From a Network Science Perspective. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2019**, 66, 126-130	3.5	48
26	Link Weight Prediction Using Supervised Learning Methods and Its Application to Yelp Layered Network. *IEEE Transactions on Knowledge and Data Engineering*, **2018**, 30, 1507-1518	4.2	63
25	Measuring Cohesion of Software Systems Using Weighted Directed Complex Networks **2018**,		1
24	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
23	Quantifying Importance of Edges in Networks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2018**, 65, 1244-1248	3.5	12
22	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
21	Optimal defense resource allocation in scale-free networks. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 492, 2198-2204	3.3	12
20	UAV-aided Networks for Emergency Communications in Areas with Unevenly Distributed Users **2018**,		6
19	UAV-Aided Networks for Emergency Communications in Areas with Unevenly Distributed Users. *Journal of Communications and Information Networks*, **2018**, 3, 23-32		6
18	Survey of Safety Management Approaches to Unmanned Aerial Vehicles and Enabling Technologies. *Journal of Communications and Information Networks*, **2018**, 3, 1-14		4
17	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
16	Oscillations in interconnected complex networks under intentional attack. *International Journal of Modern Physics C*, **2016**, 27, 1650059	1.1	1
15	Link Prediction in Weighted Networks: A Weighted Mutual Information Model. *PLoS ONE*, **2016**, 11, e0148265	3.7	35
14	Weight prediction in complex networks based on neighbor set. *Scientific Reports*, **2016**, 6, 38080	4.9	12
13	Improving robustness of power systems via optimal link switch-off **2016**,		3
12	Optimal Resource Allocation in Complex Communication Networks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2015**, 62, 706-710	3.5	21

11	Optimal resource allocation under TCP Reno and Vegas in complex communication networks **2015**,		2
10	An information-theoretic model for link prediction in complex networks. *Scientific Reports*, **2015**, 5, 13707	4.9	43
9	Threshold for the Outbreak of Cascading Failures in Degree-Degree Uncorrelated Networks. *Mathematical Problems in Engineering*, **2015**, 2015, 1-7	1.1	
8	Robust-yet-fragile nature of interdependent networks. *Physical Review E*, **2015**, 91, 052809	2.4	40
7	Change of network load due to node removal. *European Physical Journal B*, **2014**, 87, 1	1.2	5
6	A Scale-Free Topology Construction Model for Wireless Sensor Networks. *International Journal of Distributed Sensor Networks*, **2014**, 10, 764698	1.7	8
5	Traffic congestion in interconnected complex networks. *Physical Review E*, **2014**, 89, 062813	2.4	75
4	Link prediction in complex networks: a mutual information perspective. *PLoS ONE*, **2014**, 9, e107056	3.7	85
3	Dynamic Braess's Paradox in Complex Communication Networks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2013**, 60, 172-176	3.5	10
2	Efficient attack strategy to communication networks with partial degree information **2011**,		1
1	Cascading failure in Watts-Strogatz small-world networks. *Physica A: Statistical Mechanics and Its Applications*, **2010**, 389, 1281-1285	3.3	95