

Yongxiang Xia

List of Publications by Citations

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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 | Robustness of Interdependent Power Grids and Communication Networks: A Complex Network Perspective. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 115-119 | 3.5 | 152 |
| 45 | Cascading failure in Watts-Strogatz small-world networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 1281-1285 | 3.3 | 95 |
| 44 | Link prediction in complex networks: a mutual information perspective. <i>PLoS ONE</i> , 2014 , 9, e107056 | 3.7 | 85 |
| 43 | Traffic congestion in interconnected complex networks. <i>Physical Review E</i> , 2014 , 89, 062813 | 2.4 | 75 |
| 42 | Link Weight Prediction Using Supervised Learning Methods and Its Application to Yelp Layered Network. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 1507-1518 | 4.2 | 63 |
| 41 | Optimal Robustness in Power Grids From a Network Science Perspective. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 126-130 | 3.5 | 48 |
| 40 | An information-theoretic model for link prediction in complex networks. <i>Scientific Reports</i> , 2015 , 5, 13707.9 | 4.9 | 43 |
| 39 | Robust-yet-fragile nature of interdependent networks. <i>Physical Review E</i> , 2015 , 91, 052809 | 2.4 | 40 |
| 38 | Link Prediction in Weighted Networks: A Weighted Mutual Information Model. <i>PLoS ONE</i> , 2016 , 11, e0148765 | 3.7 | 35 |
| 37 | Robustness assessment of cyber-physical systems with weak interdependency. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 522, 9-17 | 3.3 | 33 |
| 36 | Complex-Network-Inspired Design of Traffic Generation Patterns in Communication Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 590-594 | 3.5 | 28 |
| 35 | Optimal Resource Allocation in Complex Communication Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2015 , 62, 706-710 | 3.5 | 21 |
| 34 | Introduction to Focus Issue: Complex Network Approaches to Cyber-Physical Systems. <i>Chaos</i> , 2019 , 29, 093123 | 3.3 | 14 |
| 33 | Abnormal phenomenon in robustness of complex networks with heterogeneous node functions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 506, 451-461 | 3.3 | 14 |
| 32 | A Hybrid Cyber Attack Model for Cyber-Physical Power Systems. <i>IEEE Access</i> , 2020 , 8, 114876-114883 | 3.5 | 13 |
| 31 | Quantifying Importance of Edges in Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 1244-1248 | 3.5 | 12 |
| 30 | Optimal defense resource allocation in scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 492, 2198-2204 | 3.3 | 12 |

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| 29 | Weight prediction in complex networks based on neighbor set. <i>Scientific Reports</i> , 2016 , 6, 38080 | 4.9 | 12 |
| 28 | Sequential Recovery of Complex Networks Suffering From Cascading Failure Blackouts. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 2997-3007 | 4.9 | 11 |
| 27 | Vulnerability Assessment of Power Grids Against Link-Based Attacks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 2209-2213 | 3.5 | 11 |
| 26 | Dynamic Braess's Paradox in Complex Communication Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2013 , 60, 172-176 | 3.5 | 10 |
| 25 | An asymmetric interdependent networks model for cyber-physical systems. <i>Chaos</i> , 2020 , 30, 053135 | 3.3 | 9 |
| 24 | Analysis of Malware-Induced Cyber Attacks in Cyber-Physical Power Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 3482-3486 | 3.5 | 9 |
| 23 | A Scale-Free Topology Construction Model for Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 764698 | 1.7 | 8 |
| 22 | Robustness of Complex Networks Considering Attack Cost. <i>IEEE Access</i> , 2020 , 8, 172398-172404 | 3.5 | 7 |
| 21 | Cascading failures in spatial complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 559, 125071 | 3.3 | 6 |
| 20 | Robustness of Link Prediction Under Network Attacks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 1472-1476 | 3.5 | 6 |
| 19 | UAV-aided Networks for Emergency Communications in Areas with Unevenly Distributed Users 2018 , | | 6 |
| 18 | UAV-Aided Networks for Emergency Communications in Areas with Unevenly Distributed Users. <i>Journal of Communications and Information Networks</i> , 2018 , 3, 23-32 | | 6 |
| 17 | Change of network load due to node removal. <i>European Physical Journal B</i> , 2014 , 87, 1 | 1.2 | 5 |
| 16 | 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 | 3.5 | 4 |
| 15 | Survey of Safety Management Approaches to Unmanned Aerial Vehicles and Enabling Technologies. <i>Journal of Communications and Information Networks</i> , 2018 , 3, 1-14 | | 4 |
| 14 | Improving robustness of power systems via optimal link switch-off 2016 , | | 3 |
| 13 | Predicting the Evolution Process of Infrastructure Networks With an NSIPA Link Prediction Method. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1895-1899 | 3.5 | 2 |
| 12 | Optimal resource allocation under TCP Reno and Vegas in complex communication networks 2015 , | | 2 |

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|----|--|-----|---|
| 11 | Cross Entropy Attack on Deep Graph Infomax 2020 , | | 2 |
| 10 | Measuring Cohesion of Software Systems Using Weighted Directed Complex Networks 2018 , | | 1 |
| 9 | Oscillations in interconnected complex networks under intentional attack. <i>International Journal of Modern Physics C</i> , 2016 , 27, 1650059 | 1.1 | 1 |
| 8 | Efficient attack strategy to communication networks with partial degree information 2011 , | | 1 |
| 7 | Robustness improvement for cyber physical system based on an optimization model of interdependent constraints. <i>Chaos</i> , 2021 , 31, 033125 | 3.3 | 1 |
| 6 | A Briefing Survey on Advances of Coupled Networks With Various Patterns. <i>Frontiers in Physics</i> , 2021 , 9, | 3.9 | 1 |
| 5 | Vulnerability analysis of cyber physical systems under the false alarm cyber attacks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022 , 599, 127416 | 3.3 | 1 |
| 4 | An Electric Vehicle Battery-Swapping System: Concept, Architectures, and Implementations. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2021 , 2-21 | 2.6 | 0 |
| 3 | Hybrid-radius spatial network model and its robustness analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022 , 591, 126800 | 3.3 | 0 |
| 2 | Cyber Protection for Malware Attack Resistance in Cyber-Physical Power Systems. <i>IEEE Systems Journal</i> , 2022 , 1-9 | 4.3 | 0 |
| 1 | Threshold for the Outbreak of Cascading Failures in Degree-Degree Uncorrelated Networks. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-7 | 1.1 | |