Rami Puzis

List of Publications by Year
in descending order

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81	1,220	471061 17	476904 29
papers	citations	h-index	g-index

89	89	89	1202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Routing betweenness centrality. Journal of the ACM, 2010, 57, 1-27.	1.8	126
2	Link Prediction in Social Networks Using Computationally Efficient Topological Features. , 2011, , .		118
3	Augmented Betweenness Centrality for Environmentally Aware Traffic Monitoring in Transportation Networks. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2013, 17, 91-105.	2.6	73
4	Combined network analysis and machine learning allows the prediction of metabolic pathways from tomato metabolomics data. Communications Biology, 2019, 2, 214.	2.0	53
5	Fast algorithm for successive computation of group betweenness centrality. Physical Review E, 2007, 76, 056709.	0.8	52
6	Computationally efficient link prediction in a variety of social networks. ACM Transactions on Intelligent Systems and Technology, 2013, 5, 1-25.	2.9	51
7	EEG-triggered dynamic difficulty adjustment for multiplayer games. Entertainment Computing, 2018, 25, 14-25.	1.8	50
8	A Decision Support System for Placement of Intrusion Detection and Prevention Devices in Large-Scale Networks. ACM Transactions on Modeling and Computer Simulation, 2011, 22, 1-26.	0.6	41
9	Creation and Management of Social Network Honeypots for Detecting Targeted Cyber Attacks. IEEE Transactions on Computational Social Systems, 2017, 4, 65-79.	3.2	39
10	Organization Mining Using Online Social Networks. Networks and Spatial Economics, 2016, 16, 545-578.	0.7	37
11	Taxonomy of mobile users' security awareness. Computers and Security, 2018, 73, 266-293.	4.0	37
12	Incremental deployment of network monitors based on Group Betweenness Centrality. Information Processing Letters, 2009, 109, 1172-1176.	0.4	35
13	Collaborative attack on Internet users' anonymity. Internet Research, 2009, 19, 60-77.	2.7	27
14	Anti-Reconnaissance Tools: Detecting Targeted Socialbots. IEEE Internet Computing, 2014, 18, 11-19.	3.2	27
15	Android malware detection via an app similarity graph. Computers and Security, 2021, 109, 102386.	4.0	24
16	Heuristics for Speeding Up Betweenness Centrality Computation. , 2012, , .		23
17	Data mining opportunities in geosocial networks for improving road safety. , 2012, , .		22
18	Potential-based bounded-cost search and Anytime Non-Parametric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi mathvariant="normal">A</mml:mi></mml:mrow><mml:mrow><mml:mo>âŽ</mml:mo></mml:mrow></mml:msup></mml:math>. Artificial Intelligence, 2014, 214, 1-25.	3.9	20

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19	Topology manipulations for speeding betweenness centrality computation. Journal of Complex Networks, 2015, 3, 84-112.	1.1	19
20	Increased cyber-biosecurity for DNA synthesis. Nature Biotechnology, 2020, 38, 1379-1381.	9.4	19
21	Mind Your Mind. ACM Computing Surveys, 2021, 53, 1-38.	16.1	19
22	A Genetic Algorithm to Optimize Weighted Gene Co-Expression Network Analysis. Journal of Computational Biology, 2019, 26, 1349-1366.	0.8	18
23	Transfer Learning for User Action Identication in Mobile Apps via Encrypted Trafc Analysis. IEEE Intelligent Systems, 2018, 33, 40-53.	4.0	17
24	Link Prediction in Highly Fractional Data Sets. , 2013, , 283-300.		17
25	Deployment of DNIDS in Social Networks. , 2007, , .		16
26	On Network Footprint of Traffic Inspection and Filtering at Global Scrubbing Centers. IEEE Transactions on Dependable and Secure Computing, 2017, 14, 521-534.	3.7	15
27	Optimization of NIDS Placement for Protection of Intercommunicating Critical Infrastructures. Lecture Notes in Computer Science, 2008, , 191-203.	1.0	15
28	Evaluating the Information Security Awareness of Smartphone Users. , 2020, , .		14
29	The State of Mind of Health Care Professionals in Light of the COVID-19 Pandemic: Text Analysis Study of Twitter Discourses. Journal of Medical Internet Research, 2021, 23, e30217.	2.1	13
30	Contextual security awareness: A context-based approach for assessing the security awareness of users. Knowledge-Based Systems, 2022, 246, 108709.	4.0	13
31	Deployment optimization of IoT devices through attack graph analysis. , 2019, , .		12
32	Bandit Algorithms for Social Network Queries. , 2013, , .		11
33	Hunting Organization-Targeted Socialbots. , 2015, , .		11
34	Measurement of Online Discussion Authenticity within Online Social Media. , 2017, , .		10
35	Attack Hypothesis Generation. , 2019, , .		10
36	EEGNAS: Neural Architecture Search for Electroencephalography Data Analysis and Decoding. Communications in Computer and Information Science, 2019, , 3-20.	0.4	10

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37	Betweenness computation in the single graph representation of hypergraphs. Social Networks, 2013, 35, 561-572.	1.3	8
38	A particle swarm model for estimating reliability and scheduling system maintenance. Enterprise Information Systems, 2016, 10, 349-377.	3.3	7
39	NO-DOUBT: Attack Attribution Based On Threat Intelligence Reports. , 2019, , .		7
40	The interplay between vaccination and social distancing strategies affects COVID19 population-level outcomes. PLoS Computational Biology, 2021, 17, e1009319.	1.5	7
41	Using malware for the greater good: Mitigating data leakage. Journal of Network and Computer Applications, 2019, 145, 102405.	5.8	6
42	Global and Local Trends Affecting the Experience of US and UK Healthcare Professionals during COVID-19: Twitter Text Analysis. International Journal of Environmental Research and Public Health, 2022, 19, 6895.	1.2	6
43	Attack Graph Obfuscation. Lecture Notes in Computer Science, 2017, , 269-287.	1.0	5
44	Leadership Hijacking in Docker Swarm and Its Consequences. Entropy, 2021, 23, 914.	1.1	4
45	Leak Sinks. , 2015, , .		3
46	Scalable Attack Path Finding for Increased Security. Lecture Notes in Computer Science, 2017, , 234-249.	1.0	3
47	New Goal Recognition Algorithms Using Attack Graphs. Lecture Notes in Computer Science, 2019, , 260-278.	1.0	3
48	The Chameleon Attack: Manipulating Content Display in Online Social Media. , 2020, , .		3
49	Detecting Clickbait inÂOnline Social Media: You Wonâ€™t Believe How We Did It. Lecture Notes in Computer Science, 2022, , 377-387.	1.0	3
50	Detecting Organization-Targeted Socialbots by Monitoring Social Network Profiles. Networks and Spatial Economics, 2019, 19, 731-761.	0.7	2
51	PALE: Time Bounded Practical Agile Leader Election. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 470-485.	4.0	2
52	Deep Learning for Threat Actor Attribution from Threat Reports. , 2020, , .		2
53	Prioritizing vulnerability patches in large networks. Expert Systems With Applications, 2022, 193, 116467.	4.4	2
54	Iterative query selection for opaque search engines with pseudo relevance feedback. Expert Systems With Applications, 2022, , 117027.	4.4	2

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55	LoOkie - it feels like being there. , 2011, , .		1
56	Modeling and Reconstruction of Multi-stage Attacks. , 2016, , .		1
57	The Curious Case of the Curious Case: Detecting Touchscreen Events Using a Smartphone Protective Case. , 2017, , .		1
58	Shortest path tree sampling for landmark selection in large networks. Journal of Complex Networks, 2017, , .	1.1	1
59	ProfileGen: Generation of Automatic and Realistic Artificial Profiles. , 2018, , .		1
60	Anti-forensic = Suspicious: Detection of Stealthy Malware that Hides Its Network Traffic. IFIP Advances in Information and Communication Technology, 2018, , 216-230.	0.5	1
61	Application Marketplace Malware Detection by User Feedback Analysis. Communications in Computer and Information Science, 2018, , 1-19.	0.4	1
62	Tissue resilience: lessons from social resilience. EMBO Reports, 2021, 22, e52926.	2.0	1
63	How and when to stop the co-training process. Expert Systems With Applications, 2022, 187, 115841.	4.4	1
64	Socialbots. , 2017, , 1-15.		1
65	User Feedback Analysis for Mobile Malware Detection. , 2017, , .		1
66	Efficient online detection of temporal patterns. PeerJ Computer Science, 0, 2, e53.	2.7	1
67	Simulating Threats Propagation within the NSP Infrastructure. , 2007, , .		0
68	Cost Benefit Deployment of DNIPS. , 2010, , .		0
69	Brain Inspired Automatic Directory. , 2016, , .		0
70	DiscOF: Balanced flow discovery in OpenFlow. , 2017, , .		0
71	Embedding-Centrality: Generic Centrality Computation Using Neural Networks. Springer Proceedings in Complexity, 2018, , 87-97.	0.2	0
72	WebRTC security measures and weaknesses. International Journal of Internet Technology and Secured Transactions, 2018, 8, 78.	0.3	0

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73	Target oriented network intelligence collection: effective exploration of social networks. World Wide Web, 2019, 22, 1447-1480.	2.7	0
74	It Runs in the Family: Unsupervised Algorithm for Alternative Name Suggestion Using Digitized Family Trees. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	0
75	How does that name sound? Name representation learning using accent-specific speech generation. Knowledge-Based Systems, 2021, 227, 107229.	4.0	0
76	Optimizing Targeting of Intrusion Detection Systems in Social Networks. , 2010, , 549-568.		0
77	On-Line Detection and Prediction of Temporal Patterns. Lecture Notes in Computer Science, 2012, , 254-256.	1.0	0
78	Active Discovery of Hidden Profiles in Social Networks Using Malware. Advances in Information Security, 2015, , 221-235.	0.9	0
79	Spot the Hotspot: Wi-Fi Hotspot Classification from Internet Traffic. Lecture Notes in Computer Science, 2016, , 239-249.	1.0	0
80	Socialbots. , 2018, , 2802-2816.		0
81	Spillover Today? Predicting Traffic Overflows on Private Peering of Major Content Providers. IEEE Transactions on Network and Service Management, 2021, 18, 4169-4182.	3.2	0