

Michalis Faloutsos

List of Publications by Year in descending order

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Version: 2024-02-01

141
papers

10,080
citations

236925

25
h-index

133252

59
g-index

144
all docs

144
docs citations

144
times ranked

5174
citing authors

#	ARTICLE	IF	CITATIONS
1	On power-law relationships of the Internet topology. Computer Communication Review, 1999, 29, 251-262.	1.8	2,401
2	On power-law relationships of the Internet topology. , 1999, , .		1,745
3	BLINC. , 2005, , .		595
4	Transport layer identification of P2P traffic. , 2004, , .		542
5	Internet traffic classification demystified. , 2008, , .		366
6	BLINC. Computer Communication Review, 2005, 35, 229-240.	1.8	350
7	Power laws and the AS-level internet topology. IEEE/ACM Transactions on Networking, 2003, 11, 514-524.	3.8	289
8	BiToS: Enhancing BitTorrent for Supporting Streaming Applications. , 2006, , .		223
9	Long-range dependence ten years of Internet traffic modeling. IEEE Internet Computing, 2004, 8, 57-64.	3.3	218
10	Gelling, and melting, large graphs by edge manipulation. , 2012, , .		147
11	ProfileDroid. , 2012, , .		139
12	A Cross-Layer Framework for Exploiting Virtual MISO Links in Mobile Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2007, 6, 579-594.	5.8	134
13	Network monitoring using traffic dispersion graphs (tdgs). , 2007, , .		124
14	A First Step Towards Understanding Popularity in YouTube. , 2010, , .		123
15	Assessing link quality in IEEE 802.11 Wireless Networks: Which is the right metric?. , 2008, , .		113
16	PhishDef: URL names say it all. , 2011, , .		113
17	QoS MIC. , 1998, , .		112
18	Permission evolution in the Android ecosystem. , 2012, , .		111

#	ARTICLE	IF	CITATIONS
19	TrueLink: A Practical Countermeasure to the Wormhole Attack in Wireless Networks. , 2006, , .		105
20	DART: Dynamic Address RouTing for Scalable Ad Hoc and Mesh Networks. IEEE/ACM Transactions on Networking, 2007, 15, 119-132.	3.8	100
21	Threshold conditions for arbitrary cascade models on arbitrary networks. Knowledge and Information Systems, 2012, 33, 549-575.	3.2	100
22	Graph-based analysis and prediction for software evolution. , 2012, , .		96
23	Virus Propagation on Time-Varying Networks: Theory and Immunization Algorithms. Lecture Notes in Computer Science, 2010, , 99-114.	1.3	84
24	Competing Memes Propagation on Networks: A Network Science Perspective. IEEE Journal on Selected Areas in Communications, 2013, 31, 1049-1060.	14.0	80
25	Jellyfish: A conceptual model for the as Internet topology. Journal of Communications and Networks, 2006, 8, 339-350.	2.6	70
26	Lord of the Links: A Framework for Discovering Missing Links in the Internet Topology. IEEE/ACM Transactions on Networking, 2009, 17, 391-404.	3.8	70
27	Threshold Conditions for Arbitrary Cascade Models on Arbitrary Networks. , 2011, , .		67
28	On broadcasting with cooperative diversity in multi-hop wireless networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 484-496.	14.0	63
29	Sampling large Internet topologies for simulation purposes. Computer Networks, 2007, 51, 4284-4302.	5.1	56
30	A user-friendly self-similarity analysis tool. Computer Communication Review, 2003, 33, 81-93.	1.8	53
31	Graption: A graph-based P2P traffic classification framework for the internet backbone. Computer Networks, 2011, 55, 1909-1920.	5.1	50
32	Measurement-Driven Guidelines for 802.11 WLAN Design. IEEE/ACM Transactions on Networking, 2010, 18, 722-735.	3.8	49
33	Exploiting dynamicity in graph-based traffic analysis. , 2009, , .		43
34	Competing memes propagation on networks. Computer Communication Review, 2012, 42, 5-12.	1.8	42
35	Application versus network layer multicasting in ad hoc networks: the ALMA routing protocol. Ad Hoc Networks, 2006, 4, 283-300.	5.5	40
36	QoS MIC. Computer Communication Review, 1998, 28, 144-153.	1.8	37

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37	QoS-aware multicast routing for the Internet: the design and evaluation of QoSMIC. IEEE/ACM Transactions on Networking, 2002, 10, 54-66.	3.8	36
38	Eigen-Optimization on Large Graphs by Edge Manipulation. ACM Transactions on Knowledge Discovery From Data, 2016, 10, 1-30.	3.5	36
39	Epidemic Spread in Mobile Ad Hoc Networks: Determining the Tipping Point. Lecture Notes in Computer Science, 2011, , 266-280.	1.3	36
40	An architecture for scalable efficient, and fast fault-tolerant multicast provisioning. IEEE Network, 2004, 18, 26-34.	6.9	35
41	MDC. , 2007, , .		35
42	Clustering by common friends finds locally significant proteins mediating modules. Bioinformatics, 2007, 23, 1124-1131.	4.1	29
43	Routing in Vehicular Networks: Feasibility, Modeling, and Security. International Journal of Vehicular Technology, 2008, 2008, 1-8.	1.1	29
44	FRAppE. , 2012, , .		29
45	Link Positions Matter: A Noncommutative Routing Metric for Wireless Mesh Networks. IEEE Transactions on Mobile Computing, 2012, 11, 61-72.	5.8	29
46	Routing amid Colluding Attackers. , 2007, , .		28
47	Graph-Based P2P Traffic Classification at the Internet Backbone. , 2009, , .		28
48	SubFlow: Towards practical flow-level traffic classification. , 2012, , .		26
49	An analysis of socware cascades in online social networks. , 2013, , .		26
50	BGP-lens. , 2009, , .		25
51	Aggregated Multicast with Inter-Group Tree Sharing. Lecture Notes in Computer Science, 2001, , 172-188.	1.3	25
52	TrackAdvisor: Taking Back Browsing Privacy from Third-Party Trackers. Lecture Notes in Computer Science, 2015, , 277-289.	1.3	25
53	Profiling-By-Association. , 2010, , .		24
54	Malicious Android Applications in the Enterprise: What Do They Do and How Do We Fix It?. , 2012, , .		24

#	ARTICLE	IF	CITATIONS
55	If walls could talk. , 2015, , .		24
56	TrueView. , 2015, , .		21
57	Behavioral anomaly detection of malware on home routers. , 2017, , .		21
58	AQoSM: Scalable QoS multicast provisioning in Diff-Serv networks. Computer Networks, 2006, 50, 80-105.	5.1	20
59	SUT: Quantifying and mitigating URL typosquatting. Computer Networks, 2011, 55, 3001-3014.	5.1	20
60	Characterizing the behavior of handheld devices and its implications. Computer Networks, 2017, 114, 1-12.	5.1	19
61	Link Homophily in the Application Layer and its Usage in Traffic Classification. , 2010, , .		17
62	Online social networks. IEEE Network, 2010, 24, 4-5.	6.9	16
63	Detecting Malicious Facebook Applications. IEEE/ACM Transactions on Networking, 2016, 24, 773-787.	3.8	16
64	Understanding and Exploiting the Trade-Offs between Broadcasting and Multicasting in Mobile Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2007, 6, 264-279.	5.8	15
65	The P2P war: Someone is monitoring your activities. Computer Networks, 2008, 52, 1272-1280.	5.1	14
66	Coping with packet replay attacks in wireless networks. , 2011, , .		14
67	Multiband Media Access Control in Impulse-Based UWB Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2007, 6, 351-366.	5.8	13
68	Facebook wall posts: a model of user behaviors. Social Network Analysis and Mining, 2017, 7, 1.	2.8	13
69	A Blueprint for a Manageable and Affordable Wireless Testbed: Design, Pitfalls and Lessons Learned. , 2007, , .		11
70	Determining Developers' Expertise and Role: A Graph Hierarchy-Based Approach. , 2014, , .		11
71	TrollSpot. , 2017, , .		11
72	A linear-time optimal-message distributed algorithm for minimum spanning trees. Distributed Computing, 2004, 17, 151.	0.8	10

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73	The eBay graph: How do online auction users interact?. , 2008, , .		10
74	Inferring cellular user demographic information using homophily on call graphs. , 2013, , .		10
75	Measuring and modelling the group membership in the internet. , 2003, , .		10
76	THE EFFECT OF ASYMMETRY ON THE ON-LINE MULTICAST ROUTING PROBLEM. International Journal of Foundations of Computer Science, 2002, 13, 889-910.	1.1	9
77	A novel adaptive protocol for lightweight efficient multicasting in ad hoc networks. Computer Networks, 2007, 51, 823-834.	5.1	9
78	Detecting malware with graph-based methods. , 2013, , .		8
79	You must be joking. Computer Communication Review, 2007, 37, 79-82.	1.8	7
80	An integrated routing and rate adaptation framework for multi-rate multi-hop wireless networks. Wireless Networks, 2013, 19, 985-1003.	3.0	7
81	Analyzing Communication Interaction Networks (CINs) in enterprises and inferring hierarchies. Computer Networks, 2013, 57, 2147-2158.	5.1	7
82	On the usage patterns of multimodal communication: Countries and evolution. , 2013, , .		7
83	Scanner hunter. , 2014, , .		7
84	A behavior-aware profiling of handheld devices. , 2015, , .		7
85	One Size Does Not Fit All. , 2017, , .		7
86	InferIP. , 2017, , .		7
87	RIPEX: Extracting Malicious IP Addresses from Security Forums Using Cross-Forum Learning. Lecture Notes in Computer Science, 2018, , 517-529.	1.3	7
88	You must be joking.... Computer Communication Review, 2007, 37, 75-76.	1.8	6
89	A new binary conflict resolution-based MAC protocol for impulse-based UWB ad hoc networks. Wireless Communications and Mobile Computing, 2006, 6, 933-949.	1.2	5
90	A Unified Metric for Routing and Rate Adaptation in Multi-Rate Wireless Mesh Networks. , 2011, , .		5

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91	Which phone will you get next: Observing trends and predicting the choice. , 2014, , .		5
92	RloTMAN. , 2020, , .		5
93	Performance evaluation of mobile wireless networks. , 2001, , .		4
94	Obtaining Provably Legitimate Internet Topologies. IEEE/ACM Transactions on Networking, 2012, 20, 271-284.	3.8	4
95	Internet Topology. , 2012, , 1663-1680.		4
96	Impact of IT monoculture on behavioral end host intrusion detection. , 2009, , .		4
97	The socio-monetary incentives of online social network malware campaigns. , 2014, , .		4
98	Revisiting minimum cost reliable routing in wireless mesh networks. , 2007, , .		3
99	A simple conceptual generator for the Internet graph. , 2010, , .		3
100	On the Uplink Capacity of Hybrid Cellular Ad Hoc Networks. , 2010, , .		3
101	Analyzing interaction communication networks in enterprises and identifying hierarchies. , 2011, , .		3
102	Non-binary information propagation: Modeling BGP routing churn. , 2011, , .		3
103	Inferring cellular user demographic information using homophily on call graphs. , 2013, , .		3
104	Smartphone viruses propagation on heterogeneous composite networks. , 2013, , .		3
105	Innovative Routes for Enhancing Adolescent Marijuana Treatment: Interplay of Peer Influence Across Social Media and Geolocation. Current Addiction Reports, 2016, 3, 221-229.	3.4	3
106	Using statistical data for reliable mobile communications. Wireless Communications and Mobile Computing, 2002, 2, 101-111.	1.2	2
107	NETp1-04: "Dude, where' my Peer?". IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2
108	Public real data repositories and measurement tools. Computer Communication Review, 2006, 36, 37-40.	1.8	2

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109	Public review for the internet AS-level topology. Computer Communication Review, 2006, 36, 15-16.	1.8	2
110	Network-level characteristics of spamming: An empirical analysis. , 2011, , .		2
111	On the usage patterns of multi-modal communication: Countries and evolution. , 2013, , .		2
112	iDispatcher: A unified platform for secure planet-scale information dissemination. Peer-to-Peer Networking and Applications, 2013, 6, 46-60.	3.9	2
113	â€œInfect-me-notâ€ A user-centric and site-centric study of web-based malware. , 2016, , .		2
114	MIMiS: Minimally Intrusive Mining of Smartphone User Behaviors. , 2018, , .		2
115	FAROS: Illuminating In-memory Injection Attacks via Provenance-Based Whole-System Dynamic Information Flow Tracking. , 2018, , .		2
116	You must be joking.... Computer Communication Review, 2006, 36, 71-72.	1.8	1
117	Comment-Profiler: Detecting Trends and Parasitic Behaviors in Online Comments. Lecture Notes in Computer Science, 2016, , 75-91.	1.3	1
118	RARE: A Systematic Augmented Router Emulation for Malware Analysis. Lecture Notes in Computer Science, 2018, , 60-72.	1.3	1
119	An Empirical Study of Malicious Threads in Security Forums. , 2019, , .		1
120	Extracting actionable information from Security Forums. , 2019, , .		1
121	Wireless Network Simulation: Towards a Systematic Approach. Advances in Computer Science and Engineering, 2006, , 75-100.	0.2	1
122	Performance Evaluation of a New MAC Protocol for the CDMA Interconnection Network. Telecommunication Systems, 2005, 29, 33-46.	2.5	0
123	You must be joking.... Computer Communication Review, 2006, 36, 61-62.	1.8	0
124	You must be joking... dares to ask. Computer Communication Review, 2006, 36, 103-104.	1.8	0
125	You must be joking... warns you. Computer Communication Review, 2007, 37, 93-94.	1.8	0
126	Profiling podcast-based content distribution. , 2008, , .		0

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127	You must be joking.... Computer Communication Review, 2008, 38, 91-92.	1.8	0
128	You must be joking.... Computer Communication Review, 2008, 38, 73-74.	1.8	0
129	You must be joking.... Computer Communication Review, 2008, 39, 77-78.	1.8	0
130	You must be joking.... Computer Communication Review, 2009, 39, 60-61.	1.8	0
131	You must be joking.... Computer Communication Review, 2009, 39, 49-50.	1.8	0
132	Characterizing the Scam Hosting Infrastructure. , 2010, , .		0
133	XLR: Tackling the Inefficiency of Landmark-Based Routing in Large Wireless Sensor Networks. , 2011, , .		0
134	Whom Does Your Android App Talk To?. , 2014, , .		0
135	Cross-layer personalization as a first-class citizen for situation awareness and computer infrastructure security. , 2016, , .		0
136	Improving Smartphone Security and Reliability. Journal of Interconnection Networks, 2017, 17, 1740002.	1.0	0
137	Understanding Wireless Mobile Systems: A Simplified Simulation Approach. Lecture Notes in Computer Science, 2002, , 108-117.	1.3	0
138	You must be joking. Computer Communication Review, 2006, 36, 95-96.	1.8	0
139	You must be joking.... Computer Communication Review, 2008, 38, 49-50.	1.8	0
140	Mining Actionable Information from Security Forums: The Case of Malicious IP Addresses. Lecture Notes in Social Networks, 2019, , 193-211.	0.1	0
141	<i>LinkMan</i>. , 2021, , .		0