

Anat Bremler-Barr

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

861
citations

840776

11
h-index

794594

19
g-index

51
all docs

51
docs citations

51
times ranked

783
citing authors

#	ARTICLE	IF	CITATIONS
1	OpenBox. , 2016, , .		136
2	Deep Packet Inspection as a Service. , 2014, , .		74
3	Space-Efficient TCAM-Based Classification Using Gray Coding. IEEE Transactions on Computers, 2012, 61, 18-30.	3.4	72
4	Detecting heavy flows in the SDN match and action model. Computer Networks, 2018, 136, 1-12.	5.1	48
5	Network anti-spoofing with SDN data plane. , 2017, , .		41
6	Improved BGP Convergence via Ghost Flushing. IEEE Journal on Selected Areas in Communications, 2004, 22, 1933-1948.	14.0	31
7	Efficient Round-Trip Time monitoring in OpenFlow networks. , 2016, , .		31
8	CompactDFA: Generic State Machine Compression for Scalable Pattern Matching. , 2010, , .		28
9	Vulnerability of Network Mechanisms to Sophisticated DDoS Attacks. IEEE Transactions on Computers, 2013, 62, 1031-1043.	3.4	27
10	DDoS attack on cloud auto-scaling mechanisms. , 2017, , .		24
11	Accelerating Multipattern Matching on Compressed HTTP Traffic. IEEE/ACM Transactions on Networking, 2012, 20, 970-983.	3.8	21
12	Encoding Short Ranges in TCAM Without Expansion: Efficient Algorithm and Applications. IEEE/ACM Transactions on Networking, 2018, 26, 835-850.	3.8	20
13	CompactDFA: Scalable Pattern Matching Using Longest Prefix Match Solutions. IEEE/ACM Transactions on Networking, 2014, 22, 415-428.	3.8	18
14	IoT or NoT: Identifying IoT Devices in a Short Time Scale. , 2020, , .		18
15	On the structure and application of BGP policy atoms. , 2002, , .		17
16	Sampling and Large Flow Detection in SDN. Computer Communication Review, 2015, 45, 345-346.	1.8	17
17	Zero-Day Signature Extraction for High-Volume Attacks. IEEE/ACM Transactions on Networking, 2019, 27, 691-706.	3.8	16
18	Sampling and Large Flow Detection in SDN. , 2015, , .		15

#	ARTICLE	IF	CITATIONS
19	Space-time tradeoffs in software-based deep Packet Inspection. , 2011, , .		13
20	Layered interval codes for TCAM-based classification. Computer Networks, 2012, 56, 3023-3039.	5.1	13
21	PEDS: A Parallel Error Detection Scheme for TCAM Devices. IEEE/ACM Transactions on Networking, 2010, 18, 1665-1675.	3.8	12
22	Accelerating regular expression matching over compressed HTTP. , 2015, , .		12
23	NFV-based IoT Security for Home Networks using MUD. , 2020, , .		12
24	Unregister Attacks in SIP. , 2006, , .		10
25	Decompression-free inspection: DPI for shared dictionary compression over HTTP. , 2012, , .		10
26	Space efficient deep packet inspection of compressed web traffic. Computer Communications, 2012, 35, 810-819.	5.1	10
27	Predicting and bypassing end-to-end internet service degradations. IEEE Journal on Selected Areas in Communications, 2003, 21, 961-978.	14.0	9
28	On the vulnerability of the proportional fairness scheduler to retransmission attacks. , 2011, , .		9
29	Making DPI Engines Resilient to Algorithmic Complexity Attacks. IEEE/ACM Transactions on Networking, 2016, 24, 3262-3275.	3.8	9
30	Load balancing memcached traffic using software defined networking. , 2017, , .		9
31	Routing with a clue. IEEE/ACM Transactions on Networking, 2001, 9, 693-705.	3.8	8
32	Restoration by path concatenation: fast recovery of MPLS paths. Distributed Computing, 2002, 15, 273-283.	0.8	8
33	On the Vulnerability of Hardware Hash Tables to Sophisticated Attacks. Lecture Notes in Computer Science, 2012, , 135-148.	1.3	8
34	Protecting Bursty Applications Against Traffic Aggressiveness. IEEE International Workshop on Quality of Service, 2006, , .	0.0	7
35	Leveraging traffic repetitions for high-speed deep packet inspection. , 2015, , .		7
36	Orange: multi field openflow based range classifier. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
37	Automated signature extraction for high volume attacks. , 2013, , .		6
38	Shift-based pattern matching for compressed web traffic. , 2011, , .		5
39	DNS Negative Caching in the Wild. , 2019, , .		4
40	Bringing order to BGP: Decreasing time and message complexity. Computer Networks, 2009, 53, 2241-2256.	5.1	3
41	Computer and network performance: Graduating from the "Age of Innocence". Computer Networks, 2014, 66, 68-81.	5.1	3
42	Demo: NFV-based IoT Security at the ISP Level. , 2020, , .		3
43	Yo-Yo Attack. Computer Communication Review, 2015, 45, 103-104.	1.8	3
44	Yo-Yo Attack. , 2015, , .		3
45	On the exploitation of CDF based wireless scheduling. Computer Networks, 2013, 57, 2193-2205.	5.1	2
46	Protecting bursty applications against traffic aggressiveness. Computer Networks, 2007, 51, 3864-3877.	5.1	0
47	Scalable URL matching with small memory footprint. , 2016, , .		0
48	Path Layout on Tree Networks: Bounds in Different Label Switching Models. Lecture Notes in Computer Science, 2004, , 35-46.	1.3	0
49	Dynamic-Deep: Tune ECG Task Performance and Optimize Compression in IoT Architectures. , 2022, , .		0