Frank Breitinger

List of Publications by Year in Descending Order

57 papers	679 citations	15 h-index	24 g-index
64 ext. papers	886 ext. citations	2.2 avg, IF	4.59 L-index

#	Paper	IF	Citations
57	Wake Up Digital Forensics' Community and Help Combating Ransomware. *IEEE Security and Privacy*, **2022**, 2-11	2	0
56	The role of national cybersecurity strategies on the improvement of cybersecurity education. *Computers and Security*, **2022**, 119, 102754	4.9	2
55	IoT network traffic analysis: Opportunities and challenges for forensic investigators?. *Forensic Science International: Digital Investigation*, **2021**, 38, 301123	1	0
54	Android application forensics: A survey of obfuscation, obfuscation detection and deobfuscation techniques and their impact on investigations. *Forensic Science International: Digital Investigation*, **2021**, 39, 301285	1	2
53	Bringing order to approximate matching: Classification and attacks on similarity digest algorithms. *Forensic Science International: Digital Investigation*, **2021**, 36, 301120	1	1
52	What do incident response practitioners need to know? A skillmap for the years ahead. *Forensic Science International: Digital Investigation*, **2021**, 37, 301184	1	1
51	Malware family classification via efficient Huffman features. *Forensic Science International: Digital Investigation*, **2021**, 37, 301192	1	1
50	First year students experience in a Cyber World course an evaluation. *Education and Information Technologies*, **2021**, 26, 1069-1087	3.6	1
49	Artifacts for Detecting Timestamp Manipulation in NTFS on Windows and Their Reliability. *Forensic Science International: Digital Investigation*, **2020**, 32, 300920	1	2
48	The impact of excluding common blocks for approximate matching. *Computers and Security*, **2020**, 89, 101676	4.9	3
47	Digital forensic tools: Recent advances and enhancing the status quo. *Forensic Science International: Digital Investigation*, **2020**, 34, 300999	1	7
46	Netfox detective: A novel open-source network forensics analysis tool. *Forensic Science International: Digital Investigation*, **2020**, 35, 301019	1	0
45	A survey on smartphone users security choices, awareness and education. *Computers and Security*, **2020**, 88, 101647	4.9	21
44	IoT Ignorance is Digital Forensics Research Bliss **2019**,		6
43	On efficiency of artifact lookup strategies in digital forensics. *Digital Investigation*, **2019**, 28, S116-S125	3.3	1
42	Blockchain-Based Distributed Cloud Storage Digital Forensics: Where's the Beef?. *IEEE Security and Privacy*, **2019**, 17, 34-42	2	18
41	Survey results on adults and cybersecurity education. *Education and Information Technologies*, **2019**, 24, 231-249	3.6	10

40	Inception: Virtual Space in Memory Space in Real Space Memory Forensics of Immersive Virtual Reality with the HTC Vive. *Digital Investigation*, **2019**, 29, S13-S21	3.3	4
39	If I Had a Million Cryptos: Cryptowallet Application Analysis and a Trojan Proof-of-Concept. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 45-65	0.2	2
38	AndroParse - An Android Feature Extraction Framework and Dataset. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 66-88	0.2	2
37	Timeline2GUI: A Log2Timeline CSV parser and training scenarios. *Digital Investigation*, **2019**, 28, 34-43	3.3	11
36	Watch What You Wear **2018**, 1458-1478		
35	Expediting MRSH-v2 Approximate Matching with Hierarchical Bloom Filter Trees. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 144-157	0.2	4
34	Digital Forensics in the Next Five Years **2018**,		8
33	Experience constructing the Artifact Genome Project (AGP): Managing the domain's knowledge one artifact at a time. *Digital Investigation*, **2018**, 26, S47-S58	3.3	8
32	Forensic State Acquisition from Internet of Things (FSAIoT) **2017**,		23
31	Breaking into the vault: Privacy, security and forensic analysis of Android vault applications. *Computers and Security*, **2017**, 70, 516-531	4.9	15
30	Availability of datasets for digital forensics And what is missing. *Digital Investigation*, **2017**, 22, S94-S105	3.3	52
29	DROP (DRone Open source Parser) your drone: Forensic analysis of the DJI Phantom III. *Digital Investigation*, **2017**, 22, S3-S14	3.3	44
28	Leveraging the SRTP protocol for over-the-network memory acquisition of a GE Fanuc Series 90-30. *Digital Investigation*, **2017**, 22, S26-S38	3.3	10
27	CuFA: A more formal definition for digital forensic artifacts. *Digital Investigation*, **2016**, 18, S125-S137	3.3	10
26	Rapid Android Parser for Investigating DEX files (RAPID). *Digital Investigation*, **2016**, 17, 28-39	3.3	14
25	A cyber forensics needs analysis survey: Revisiting the domain's needs a decade later. *Computers and Security*, **2016**, 57, 1-13	4.9	27
24	Deleting collected digital evidence by exploiting a widely adopted hardware write blocker. *Digital Investigation*, **2016**, 18, S87-S96	3.3	5
23	Anti-forensics: Furthering digital forensic science through a new extended, granular taxonomy. *Digital Investigation*, **2016**, 18, S66-S75	3.3	41

22	Network and device forensic analysis of Android social-messaging applications. *Digital Investigation*, **2015**, 14, S77-S84	3.3	60
21	Watch What You Wear: Preliminary Forensic Analysis of Smart Watches **2015**,		22
20	How Cuckoo Filter Can Improve Existing Approximate Matching Techniques. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2015**, 39-52	0.2	8
19	Automated evaluation of approximate matching algorithms on real data. *Digital Investigation*, **2014**, 11, S10-S17	3.3	17
18	Evaluating detection error trade-offs for bytewise approximate matching algorithms. *Digital Investigation*, **2014**, 11, 81-89	3.3	7
17	On the database lookup problem of approximate matching. *Digital Investigation*, **2014**, 11, S1-S9	3.3	9
16	On application of bloom filters to iris biometrics. *IET Biometrics*, **2014**, 3, 207-218	2.9	84
15	Similarity Hashing Based on Levenshtein Distances. *Lecture Notes in Computer Science*, **2014**, 133-147	0.9	1
14	Using Approximate Matching to Reduce the Volume of Digital Data. *Lecture Notes in Computer Science*, **2014**, 149-163	0.9	1
13	Towards a Process Model for Hash Functions in Digital Forensics. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2014**, 170-186	0.2	2
12	mvHash-B - A New Approach for Similarity Preserving Hashing **2013**,		17
11	FRASH: A framework to test algorithms of similarity hashing. *Digital Investigation*, **2013**, 10, S50-S58	3.3	24
10	Similarity Preserving Hashing: Eligible Properties and a New Algorithm MRSH-v2. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2013**, 167-182	0.2	19
9	Reducing the Time Required for Hashing Operations. *IFIP Advances in Information and Communication Technology*, **2013**, 101-117	0.5	2
8	Properties of a similarity preserving hash function and their realization in sdhash **2012**,		5
7	Performance Issues About Context-Triggered Piecewise Hashing. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 141-155	0.2	7
6	Security Aspects of Piecewise Hashing in Computer Forensics **2011**,		12
5	Bytewise Approximate Matching: The Good, The Bad, and The Unknown. *Digital Forensics, Security and Law Journal*,		6

List of Publications

4	Watch What You Wear. *Advances in Information Security, Privacy, and Ethics Book Series*,47-73	0.3	1
3	Cyber World as a Theme for a University-wide First-year Common Course		1
2	Approximate matching : definition and terminology		9
1	File Detection on Network Traffic Using Approximate Matching. *Digital Forensics, Security and Law Journal*,		6