

Frank Breitinger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/125188/publications.pdf>

Version: 2024-02-01

62
papers

1,153
citations

516215

16
h-index

454577

30
g-index

64
all docs

64
docs citations

64
times ranked

697
citing authors

#	ARTICLE	IF	CITATIONS
1	On application of bloom filters to iris biometrics. IET Biometrics, 2014, 3, 207-218.	1.6	121
2	Network and device forensic analysis of Android social-messaging applications. Digital Investigation, 2015, 14, S77-S84.	3.2	94
3	Availability of datasets for digital forensics – And what is missing. Digital Investigation, 2017, 22, S94-S105.	3.2	80
4	DROP (DRone Open source Parser) your drone: Forensic analysis of the DJI Phantom III. Digital Investigation, 2017, 22, S3-S14.	3.2	68
5	Anti-forensics: Furthering digital forensic science through a new extended, granular taxonomy. Digital Investigation, 2016, 18, S66-S75.	3.2	61
6	Forensic State Acquisition from Internet of Things (FSAIoT). , 2017, , .		54
7	A survey on smartphone user’s security choices, awareness and education. Computers and Security, 2020, 88, 101647.	4.0	46
8	A cyber forensics needs analysis survey: Revisiting the domain's needs a decade later. Computers and Security, 2016, 57, 1-13.	4.0	41
9	FRASH: A framework to test algorithms of similarity hashing. Digital Investigation, 2013, 10, S50-S58.	3.2	35
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	35
11	Watch What You Wear: Preliminary Forensic Analysis of Smart Watches. , 2015, , .		33
12	Blockchain-Based Distributed Cloud Storage Digital Forensics: Where's the Beef?. IEEE Security and Privacy, 2019, 17, 34-42.	1.5	31
13	Breaking into the vault: Privacy, security and forensic analysis of Android vault applications. Computers and Security, 2017, 70, 516-531.	4.0	24
14	mvHash-B - A New Approach for Similarity Preserving Hashing. , 2013, , .		23
15	Survey results on adults and cybersecurity education. Education and Information Technologies, 2019, 24, 231-249.	3.5	22
16	Timeline2GUI: A Log2Timeline CSV parser and training scenarios. Digital Investigation, 2019, 28, 34-43.	3.2	21
17	Automated evaluation of approximate matching algorithms on real data. Digital Investigation, 2014, 11, S10-S17.	3.2	20
18	Leveraging the SRTP protocol for over-the-network memory acquisition of a GE Fanuc Series 90-30. Digital Investigation, 2017, 22, S26-S38.	3.2	19

#	ARTICLE	IF	CITATIONS
19	The role of national cybersecurity strategies on the improvement of cybersecurity education. Computers and Security, 2022, 119, 102754.	4.0	19
20	Security Aspects of Piecewise Hashing in Computer Forensics. , 2011, , .		17
21	CuFA: A more formal definition for digital forensic artifacts. Digital Investigation, 2016, 18, S125-S137.	3.2	17
22	On the database lookup problem of approximate matching. Digital Investigation, 2014, 11, S1-S9.	3.2	16
23	Rapid Android Parser for Investigating DEX files (RAPID). Digital Investigation, 2016, 17, 28-39.	3.2	16
24	Experience constructing the Artifact Genome Project (AGP): Managing the domain's knowledge one artifact at a time. Digital Investigation, 2018, 26, S47-S58.	3.2	15
25	IoT Ignorance is Digital Forensics Research Bliss. , 2019, , .		15
26	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.	3.2	14
27	Digital Forensics in the Next Five Years. , 2018, , .		13
28	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	13
29	Evaluating detection error trade-offs for bitwise approximate matching algorithms. Digital Investigation, 2014, 11, 81-89.	3.2	11
30	File Detection on Network Traffic Using Approximate Matching. Digital Forensics, Security and Law Journal, 0, , .	0.0	11
31	Digital forensic tools: Recent advances and enhancing the status quo. Forensic Science International: Digital Investigation, 2020, 34, 300999.	1.2	10
32	Bitwise Approximate Matching: The Good, The Bad, and The Unknown. Digital Forensics, Security and Law Journal, 0, , .	0.0	10
33	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	10
34	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	9
35	Expediting MRSB-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	9
36	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	9

#	ARTICLE	IF	CITATIONS
37	Properties of a similarity preserving hash function and their realization in sdhash. , 2012, , .		8
38	Deleting collected digital evidence by exploiting a widely adopted hardware write blocker. Digital Investigation, 2016, 18, S87-S96.	3.2	8
39	Artifacts for Detecting Timestamp Manipulation in NTFS on Windows and Their Reliability. Forensic Science International: Digital Investigation, 2020, 32, 300920.	1.2	8
40	On efficiency of artifact lookup strategies in digital forensics. Digital Investigation, 2019, 28, S116-S125.	3.2	4
41	The impact of excluding common blocks for approximate matching. Computers and Security, 2020, 89, 101676.	4.0	4
42	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	4
43	What do incident response practitioners need to know? A skillmap for the years ahead. Forensic Science International: Digital Investigation, 2021, 37, 301184.	1.2	3
44	Malware family classification via efficient Huffman features. Forensic Science International: Digital Investigation, 2021, 37, 301192.	1.2	3
45	An Efficient Similarity Digests Database Lookup – A Logarithmic Divide & Conquer Approach. Digital Forensics, Security and Law Journal, 0, , .	0.0	3
46	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	3
47	Wake Up Digital Forensics' Community and Help Combating Ransomware. IEEE Security and Privacy, 2022, , 2-11.	1.5	3
48	mrsh-mem: Approximate Matching on Raw Memory Dumps. , 2018, , .		2
49	Netfox detective: A novel open-source network forensics analysis tool. Forensic Science International: Digital Investigation, 2020, 35, 301019.	1.2	2
50	First year studentsâ€™ experience in a Cyber World course – an evaluation. Education and Information Technologies, 2021, 26, 1069-1087.	3.5	2
51	Bringing order to approximate matching: Classification and attacks on similarity digest algorithms. Forensic Science International: Digital Investigation, 2021, 36, 301120.	1.2	2
52	Reducing the Time Required for Hashing Operations. IFIP Advances in Information and Communication Technology, 2013, , 101-117.	0.5	2
53	Exploring Deviant Hacker Networks (DHM) on Social Media Platforms. Digital Forensics, Security and Law Journal, 0, , .	0.0	2
54	Find Me If You Can: Mobile GPS Mapping Applications Forensic Analysis & SNAVP the Open Source, Modular, Extensible Parser. Digital Forensics, Security and Law Journal, 0, , .	0.0	2

#	ARTICLE	IF	CITATIONS
55	A Review of "Bringing Order to Approximate Matching: Classification and Attacks on Similarity Digest Algorithms". Colección Jornadas Y Congresos, 0, , .	0.0	1
56	Similarity Hashing Based on Levenshtein Distances. Lecture Notes in Computer Science, 2014, , 133-147.	1.0	1
57	Using Approximate Matching to Reduce the Volume of Digital Data. Lecture Notes in Computer Science, 2014, , 149-163.	1.0	1
58	Watch What You Wear. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 47-73.	0.4	1
59	"Cyber World" as a Theme for a University-wide First-year Common Course. , 0, , .		1
60	IoT network traffic analysis: Opportunities and challenges for forensic investigators?. Forensic Science International: Digital Investigation, 2021, 38, 301123.	1.2	1
61	FRASHER " A framework for automated evaluation of similarity hashing. Forensic Science International: Digital Investigation, 2022, 42, 301407.	1.2	1
62	Watch What You Wear. , 2018, , 1458-1478.		0