Mark Scanlon

List of Publications by Year
in descending order

51 papers	596 citations	1039406 9 h-index	752256 20 g-index
54 all docs	54 docs citations	54 times ranked	364 citing authors

#	Article	IF	Citations
1	Deep learning at the shallow end: Malware classification for non-domain experts. Digital Investigation, 2018, 26, S118-S126.	3.2	129
2	A survey of electromagnetic side-channel attacks and discussion on their case-progressing potential for digital forensics. Digital Investigation, 2019, 29, 43-54.	3.2	55
3	Tiered forensic methodology model for Digital Field Triage by non-digital evidence specialists. Digital Investigation, 2016, 16, S75-S85.	3.2	43
4	Leveraging Electromagnetic Side-Channel Analysis for the Investigation of IoT Devices. Digital Investigation, 2019, 29, S94-S103.	3.2	34
5	SoK. , 2020, , .		28
6	BitTorrent Sync: First Impressions and Digital Forensic Implications. Digital Investigation, 2014, 11, S77-S86.	3.2	27
7	Battling the digital forensic backlog through data deduplication. , 2016, , .		24
8	Network investigation methodology for BitTorrent Sync: A Peer-to-Peer based file synchronisation service. Computers and Security, 2015, 54, 27-43.	4.0	19
9	Overview of the Forensic Investigation of Cloud Services. , 2015, , .		17
10	Evaluating Automated Facial Age Estimation Techniques for Digital Forensics. , 2018, , .		16
11	EviPlant: An efficient digital forensic challenge creation, manipulation and distribution solution. Digital Investigation, 2017, 20, S29-S36.	3.2	14
12	BitTorrent Sync: Network Investigation Methodology. , 2014, , .		12
13	A survey exploring open source Intelligence for smarter password cracking. Forensic Science International: Digital Investigation, 2020, 35, 301075.	1.2	12
14	Electromagnetic side-channel attacks. , 2018, , .		11
15	Leveraging Decentralization to Extend the Digital Evidence Acquisition Window: Case Study on Bittorrent Sync. Digital Forensics, Security and Law Journal, 0, , .	0.0	10
16	TraceGen: User activity emulation for digital forensic test image generation. Forensic Science International: Digital Investigation, 2021, 38, 301133.	1.2	10
17	Accuracy Enhancement of Electromagnetic Side-Channel Attacks on Computer Monitors. , 2018, , .		9
18	Methodology for the Automated Metadata-Based Classification of Incriminating Digital Forensic Artefacts. , 2019, , .		9

#	Article	IF	Citations
19	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	9
20	Improving Borderline Adulthood Facial Age Estimation through Ensemble Learning. , 2019, , .		8
21	Behavioral Service Graphs: A formal data-driven approach for prompt investigation of enterprise and internet-wide infections. Digital Investigation, 2017, 20, S47-S55.	3.2	7
22	Digital forensic investigation of two-way radio communication equipment and services. Digital Investigation, 2018, 26, S77-S86.	3.2	7
23	How viable is password cracking in digital forensic investigation? Analyzing the guessability of over 3.9 billion real-world accounts. Forensic Science International: Digital Investigation, 2021, 37, 301186.	1.2	7
24	Online Acquisition of Digital Forensic Evidence. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 122-131.	0.2	7
25	DeepUAge: Improving Underage Age Estimation Accuracy to Aid CSEM Investigation. Forensic Science International: Digital Investigation, 2020, 32, 300921.	1.2	5
26	Facilitating Electromagnetic Side-Channel Analysis for IoT Investigation: Evaluating the EMvidence Framework. Forensic Science International: Digital Investigation, 2020, 33, 301003.	1.2	5
27	A Novel Dictionary Generation Methodology for Contextual-Based Password Cracking. IEEE Access, 2022, 10, 59178-59188.	2.6	5
28	Towards the Forensic Identification and Investigation of Cloud Hosted Servers through Non-Invasive Wiretaps. , 2015, , .		4
29	IPv6 security and forensics. , 2016, , .		4
30	Increasing digital investigator availability through efficient workflow management and automation. , 2016, , .		4
31	Privileged Data Within Digital Evidence. , 2017, , .		4
32	Enabling Non-Expert Analysis OF Large Volumes OF Intercepted Network Traffic. IFIP Advances in Information and Communication Technology, 2018, , 183-197.	0.5	4
33	Automated Artefact Relevancy Determination from Artefact Metadata and Associated Timeline Events. , 2020, , .		4
34	Deduplicated Disk Image Evidence Acquisition and Forensically-Sound Reconstruction. , 2018, , .		3
35	Shining a light on Spotlight: Leveraging Apple's desktop search utility to recover deleted file metadata on macOS. Digital Investigation, 2019, 28, S105-S115.	3.2	3
36	Cutting Through the Emissions: Feature Selection from Electromagnetic Side-Channel Data for Activity Detection. Forensic Science International: Digital Investigation, 2020, 32, 300927.	1.2	3

#	Article	IF	Citations
37	Smarter Password Guessing Techniques Leveraging Contextual Information and OSINT. , 2020, , .		2
38	Peer-to-Peer Botnet Investigation: A Review. Lecture Notes in Electrical Engineering, 2012, , 231-238.	0.3	2
39	Identifying Internet of Things software activities using deep learning-based electromagnetic side-channel analysis. Forensic Science International: Digital Investigation, 2021, 39, 301308.	1.2	2
40	Digital Evidence Bag Selection for P2P Network Investigation. Lecture Notes in Electrical Engineering, 2014, , 307-314.	0.3	2
41	On the Benefits of Information Retrieval and Information Extraction Techniques Applied to Digital Forensics. Lecture Notes in Electrical Engineering, 2016, , 641-647.	0.3	2
42	Universal Peer-to-Peer Network Investigation Framework. , 2013, , .		1
43	Towards the Leveraging of Data Deduplication to Break the Disk Acquisition Speed Limit. , 2016, , .		1
44	EMvidence: A Framework for Digital Evidence Acquisition from IoT Devices through Electromagnetic Side-Channel Analysis. Forensic Science International: Digital Investigation, 2020, 32, 300907.	1.2	1
45	Project Maelstrom: Forensic Analysis of the BitTorrent-Powered Browser. Digital Forensics, Security and Law Journal, 2015, , .	0.0	1
46	PCWQ: A Framework for Evaluating Password Cracking Wordlist Quality. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 159-175.	0.2	1
47	An analysis of BitTorrent cross-swarm peer participation and geolocational distribution. , 2014, , .		0
48	Welcome Message from the WCSF 2015 Workshop Organizers. , 2015, , .		0
49	Behavioral Service Graphs: A Big Data Approach for Prompt Investigation of Internet-Wide Infections. , 2016, , .		0
50	Vec2UAge: Enhancing underage age estimation performance through facial embeddings. Forensic Science International: Digital Investigation, 2021, 36, 301119.	1.2	0
51	Investigating Cybercrimes that Occur on Documented P2P Networks. International Journal of Ambient Computing and Intelligence, 2011, 3, 56-63.	0.8	0