Nathan Clarke

List of Publications by Year
in descending order

135 papers	2,446 citations	279798 23 h-index	254184 43 g-index
146 all docs	146 docs citations	146 times ranked	1602 citing authors

#	ARTICLE	IF	CITATIONS
1	Authenticating mobile phone users using keystroke analysis. International Journal of Information Security, 2006, 6, 1-14.	3.4	237
2	Authentication of users on mobile telephones â€" A survey of attitudes and practices. Computers and Security, 2005, 24, 519-527.	6.0	166
3	Advanced user authentication for mobile devices. Computers and Security, 2007, 26, 109-119.	6.0	112
4	An integrated view of human, organizational, and technological challenges of IT security management. Information Management and Computer Security, 2009, 17, 4-19.	1.2	103
5	Power to the people? The evolving recognition of human aspects of security. Computers and Security, 2012, 31, 983-988.	6.0	96
6	Continuous user authentication using multi-modal biometrics. Computers and Security, 2015, 53, 234-246.	6.0	78
7	From desktop to mobile: Examining the security experience. Computers and Security, 2009, 28, 130-137.	6.0	72
8	A preliminary two-stage alarm correlation and filtering system using SOM neural network and K-means algorithm. Computers and Security, 2010, 29, 712-723.	6.0	69
9	Evaluation of anomalyâ€based IDS for mobile devices using machine learning classifiers. Security and Communication Networks, 2012, 5, 3-14.	1.5	66
10	Active authentication for mobile devices utilising behaviour profiling. International Journal of Information Security, 2014, 13, 229-244.	3.4	64
11	Beyond the PIN: Enhancing user authentication for mobile devices. Computer Fraud and Security, 2008, 2008, 12-17.	1.6	54
12	Acceptance of Subscriber Authentication Methods For Mobile Telephony Devices. Computers and Security, 2002, 21, 220-228.	6.0	49
13	An Analysis of Information Security Awareness within Home and Work Environments. , 2010, , .		46
14	An agent based business aware incident detection system for cloud environments. Journal of Cloud Computing: Advances, Systems and Applications, 2012, 1, 9.	3.9	44
15	Keystroke dynamics on a mobile handset: a feasibility study. Information Management and Computer Security, 2003, 11, 161-166.	1.2	43
16	Friend-assisted intrusion detection and response mechanisms for mobile ad hoc networks. Ad Hoc Networks, 2008, 6, 1151-1167.	5.5	42
17	Multi-modal Behavioural Biometric Authentication for Mobile Devices. International Federation for Information Processing, 2012, , 465-474.	0.4	37
18	Continuous and transparent multimodal authentication: reviewing the state of the art. Cluster Computing, 2016, 19, 455-474.	5.0	35

#	ARTICLE	IF	CITATIONS
19	Challenges to digital forensics: A survey of researchers &amp; practitioners attitudes and opinions. , 2013, , .		34
20	Keystroke Analysis for Thumb-based Keyboards on Mobile Devices. International Federation for Information Processing, 2007, , 253-263.	0.4	33
21	Investigating the problem of IDS false alarms: An experimental study using Snort. International Federation for Information Processing, 2008, , 253-267.	0.4	30
22	Identifying and predicting the factors affecting end-usersâ€™ risk-taking behavior. Information and Computer Security, 2018, 26, 306-326.	2.2	30
23	Validating Cloud Infrastructure Changes by Cloud Audits. , 2012, , .		29
24	Human aspects of information security. Information Management and Computer Security, 2013, 21, 5-15.	1.2	29
25	Information security policies: A review of challenges and influencing factors. , 2016, , .		28
26	Transparent User Authentication. , 2011, , .		27
27	Anomaly Detection in IaaS Clouds. , 2013, , .		26
28	Cloud Forensics: A Review of Challenges, Solutions and Open Problems. , 2015, , .		25
29	The application of signature recognition to transparent handwriting verification for mobile devices. Information Management and Computer Security, 2007, 15, 214-225.	1.2	23
30	Behaviour Profiling on Mobile Devices. , 2010, , .		21
31	A suspect-oriented intelligent and automated computer forensic analysis. Digital Investigation, 2016, 18, 65-76.	3.2	21
32	The Problem of False Alarms: Evaluation with Snort and DARPA 1999 Dataset. Lecture Notes in Computer Science, 2008, , 139-150.	1.3	20
33	A novel privacy preserving user identification approach for network traffic. Computers and Security, 2017, 70, 335-350.	6.0	20
34	Unobtrusive Gait Recognition Using Smartwatches. , 2017, , .		20
35	Examining mental health literacy, help-seeking behaviours, distress, and wellbeing in UK coaches. European Physical Education Review, 2020, 26, 713-726.	2.0	20
36	An Automated Approach for Digital Forensic Analysis of Heterogeneous Big Data. Digital Forensics, Security and Law Journal, 0, , .	0.0	20

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37	An investigation and survey of response options for Intrusion Response Systems (IRSs). , 2010, , .		19
38	Incident prioritisation using analytic hierarchy process (AHP): Risk Index Model (RIM). Security and Communication Networks, 2013, 6, 1087-1116.	1.5	19
39	Text-Based Active Authentication for Mobile Devices. IFIP Advances in Information and Communication Technology, 2014, , 99-112.	0.7	19
40	A forensic acquisition and analysis system for IaaS. Cluster Computing, 2016, 19, 439-453.	5.0	18
41	Information security behavior: Recognizing the influencers. , 2017, , .		17
42	Real-world smartphone-based gait recognition. Computers and Security, 2022, 113, 102557.	6.0	17
43	Biometrics â€" The promise versus the practice. Computer Fraud and Security, 2005, 2005, 12-16.	1.6	16
44	An Autonomous Agent Based Incident Detection System for Cloud Environments. , 2011, , .		16
45	Cloud QoS Scaling by Fuzzy Logic. , 2014, , .		16
46	Transparent authentication systems for mobile device security: A review. , 2015, , .		16
47	A framework for reporting and dealing with end-user security policy compliance. Information and Computer Security, 2019, 27, 2-25.	2.2	16
48	Awareness of Mobile Device Security. International Journal of Mobile Computing and Multimedia Communications, 2016, 7, 15-31.	0.5	15
49	Comparing intentions to use universityâ€provided vs vendorâ€provided multibiometric authentication in online exams. Campus Wide Information Systems, 2011, 28, 102-113.	1.1	14
50	Activity Recognition using wearable computing. , 2016, , .		14
51	Assessing the Usability of End-User Security Software. Lecture Notes in Computer Science, 2010, , 177-189.	1.3	14
52	SMS linguistic profiling authentication on mobile device. , 2011, , .		13
53	Software Defined Privacy. , 2016, , .		12
54	Smart watch based body-temperature authentication. , 2017, , .		12

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55	Continuous User Authentication Using Smartwatch Motion Sensor Data. IFIP Advances in Information and Communication Technology, 2018, , 15-28.	0.7	12
56	Biometrics: no silver bullets. Computer Fraud and Security, 2005, 2005, 9-14.	1.6	11
57	Misuse Detection for Mobile Devices Using Behaviour Profiling. International Journal of Cyber Warfare and Terrorism, 2011, 1, 41-53.	0.5	11
58	Co-operative user identity verification using an Authentication Aura. Computers and Security, 2013, 39, 486-502.	6.0	11
59	Establishing A Personalized Information Security Culture. International Journal of Mobile Computing and Multimedia Communications, 2011, 3, 63-79.	0.5	8
60	Understanding Cloud Audits. Computer Communications and Networks, 2013, , 125-163.	0.8	8
61	A Novel Behaviour Profiling Approach to Continuous Authentication for Mobile Applications. , 2019, , .		8
62	Awareness, behaviour and culture: The ABC in cultivating security compliance. , 2015, , .		7
63	Language-independent gender identification through keystroke analysis. Information and Computer Security, 2015, 23, 286-301.	2.2	7
64	An Identification of Variables Influencing the Establishment of Information Security Culture. Lecture Notes in Computer Science, 2015, , 436-448.	1.3	7
65	A proactive malicious software identification approach for digital forensic examiners. Journal of Information Security and Applications, 2019, 47, 139-155.	2.5	7
66	User profiling from network traffic via novel application-level interactions. , 2016, , .		6
67	Biometrically Linking Document Leakage to the Individuals Responsible. Lecture Notes in Computer Science, 2018, , 135-149.	1.3	6
68	Addressing big data variety using an automated approach for data characterization. Journal of Big Data, 2022, 9, .	11.0	6
69	Android forensics: Correlation analysis. , 2014, , .		5
70	Biometrics: making the mainstream. Biometric Technology Today, 2014, 2014, 5-9.	0.1	5
71	The Current Use of Authentication Technologies: An Investigative Review. , 2015, , .		5
72	A novel transparent user authentication approach for mobile applications. Information Security Journal, 2018, 27, 292-305.	1.9	5

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73	The price of patching. Computer Fraud and Security, 2014, 2014, 8-13.	1.6	4
74	Security, Privacy and Usability â€" A Survey of Usersâ€™ Perceptions and Attitudes. Lecture Notes in Computer Science, 2015, , 153-168.	1.3	4
75	A Forensic Acquisition and Analysis System for IaaS: Architectural Model and Experiment. , 2016, , .		4
76	Insider Misuse Attribution using Biometrics. , 2017, , .		4
77	Transparent authentication: Utilising heart rate for user authentication. , 2017, , .		4
78	Sharing with Live Migration Energy Optimization Scheduler for Cloud Computing Data Centers. Future Internet, 2018, 10, 86.	3.8	4
79	Evidence Identification in Heterogeneous Data Using Clustering. , 2018, , .		4
80	Multi-Platform Authorship Verification. , 2019, , .		4
81	A Response Strategy Model for Intrusion Response Systems. International Federation for Information Processing, 2012, , 573-578.	0.4	4
82	Physical Activity Recognition by Utilising Smartphone Sensor Signals. , 2019, , .		4
83	THE VALUE OF THE BIOMETRICS IN INVIGILATED E-ASSESSMENTS. , 2016, , .		4
84	Rule-based Security Monitoring of Containerized Workloads. , 2019, , .		4
85	Advanced subscriber authentication approaches for third generation mobile systems. , 2002, , .		3
86	An analysis of home user security awareness & education. , 2017, , .		3
87	Incorporating the human facet of security in developing systems and services. Information and Computer Security, 2021, 29, 49-72.	2.2	3
88	A novel approach for improving information security management and awareness for home environments. Information and Computer Security, 2021, 29, 25-48.	2.2	3
89	Current Use of User Authentication. , 2011, , 3-24.		3
90	A Comprehensive Evaluation of Feature Selection for Gait Recognition Using Smartwatches. International Journal for Information Security Research, 2016, 6, .	0.3	3

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91	MORI: An Innovative Mobile Applications Data Risk Assessment Model. Journal of Internet Technology and Secured Transaction, 2016, 5, .	0.2	3
92	A distributed and cooperative user authentication framework. , 2010, , .		2
93	A response selection model for intrusion response systems: Response Strategy Model (RSM). Security and Communication Networks, 2014, 7, 1831-1848.	1.5	2
94	An Evaluation of Behavioural Profiling on Mobile Devices. Lecture Notes in Computer Science, 2014, , 330-339.	1.3	2
95	Inhabiting the Biometric Society. Itnow, 2018, 60, 42-43.	0.2	2
96	Comparing the protection and use of online personal information in South Africa and the United Kingdom in line with data protection requirements. Information and Computer Security, 2019, 28, 399-422.	2.2	2
97	The Design and Evaluation of a User-Centric Information Security Risk Assessment and Response Framework. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.7	2
98	A Novel Model for Monitoring Security Policy Compliance. Journal of Internet Technology and Secured Transaction, 2016, 5, .	0.2	2
99	Rule-Based Security Monitoring of Containerized Environments. Communications in Computer and Information Science, 2020, , 66-86.	0.5	2
100	A Technology Independent Security Gateway for Real-Time Multimedia Communication. Lecture Notes in Computer Science, 2013, , 14-25.	1.3	1
101	A forensic acquisition based upon a cluster analysis of non-volatile memory in IaaS. , 2017, , .		1
102	A novel multimedia-forensic analysis tool (M-FAT). , 2017, , .		1
103	End-to-middle-to-end solution for IMS media plane security. Electronic Commerce Research, 2019, 19, 719-746.	5.0	1
104	User Profiling Based on Application-Level Using Network Metadata. , 2019, , .		1
105	Securing Cloud Storage by Transparent Biometric Cryptography. Lecture Notes in Computer Science, 2019, , 97-108.	1.3	1
106	The Design of a Multimedia-Forensic Analysis Tool (M-FAT). International Journal of Multimedia and Image Processing, 2018, 8, 398-408.	0.1	1
107	Evidence Collection in Cloud Provider Chains. , 2016, , .		1
108	Insider Misuse Identification using Transparent Biometrics. , 2017, , .		1

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109	Privacy Enhancing Data Access Control for Ambient Assisted Living. , 2019, , .		1
110	Explainable AI withÂDomain Adapted FastCAM forÂEndoscopy Images. Lecture Notes in Computer Science, 2022, , 57-64.	1.3	1
111	Personal knowledge management beyond versioning. , 2012, , .		0
112	Performance evaluation of a Technology Independent Security Gateway for Next Generation Networks. , 2014, , .		0
113	Performance-driven evaluation for deploying IMS-based interoperability scenarios. , 2014, , .		0
114	Proactive biometric-enabled forensic imprinting. , 2016, , .		0
115	A Holistic Framework for Enhancing Privacy Awareness. , 2018, , .		0
116	The Current Situation of Insider Threats Detection: An Investigative Review. , 2018, , .		0
117	Facial-Forensic Analysis Tool. Digital Investigation, 2018, 26, S136.	3.2	0
118	Information Security Risk Communication: A User-Centric Approach. , 2019, , .		0
119	Frictionless User Authentication. , 2021, , 1-5.		0
120	The Evolving Technological Landscape. , 2011, , 25-43.		0
121	Transparent Techniques. , 2011, , 111-149.		0
122	Biometric Standards. , 2011, , 165-175.		0
123	Intrusive Authentication Approaches. , 2011, , 61-110.		0
124	Android Forensic Data Analyzer (AFDA): An Opensource Tool to Automatize Event Correlation Analysis on Android Devices. International Journal for Information Security Research, 2014, 4, 501-509.	0.3	0
125	A Fine-Grained Analysis of User Activity on Mobile Applications: The Sensitivity Level Perception. International Journal for Information Security Research, 2015, 5, 591-599.	0.3	0
126	A Scalable Architecture for Distributed OSGi in the Cloud. , 2016, , .		0

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127	INCREASING ELEARNING ENGAGEMENT USING MOBILE TECHNOLOGIES. , 2016, , .		0
128	Leveraging Biometrics for Insider Misuse Identification. International Journal on Cyber Situational Awareness, 2016, 1, 130-151.	0.8	0
129	Identifying Users by Network Traffic Metadata. International Journal of Chaotic Computing, 2016, 4, 103-112.	0.3	0
130	Misuse Detection in a Simulated IaaS Environment. Lecture Notes in Computer Science, 2018, , 103-115.	1.3	0
131	Identification and Extraction of Digital Forensic Evidence from Multimedia Data Sources using Multi-algorithmic Fusion. , 2019, , .		0
132	The Feasibility of Using Behavioural Profiling Technique for Mitigating Insider Threats: Review. , 2019, , .		0
133	Building a Trusted Community for Mobile Ad Hoc Networks Using Friend Recommendation. , 2007, , 129-141.		0
134	End-to-middle-to-end solution for IMS media plane security. Electronic Commerce Research, 0, , .	5.0	0
135	The Need for Emergency-Based Access Control in AAL Systems. , 2022, , .		0