Pete Burnap

List of Publications by Citations

85	2,516	23	49
papers	citations	h-index	g-index
95	3,317	3.4	5.78
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
85	A review of cyber security risk assessment methods for SCADA systems. *Computers and Security*, **2016**, 56, 1-27	4.9	282
84	Cyber Hate Speech on Twitter: An Application of Machine Classification and Statistical Modeling for Policy and Decision Making. *Policy and Internet*, **2015**, 7, 223-242	2.6	215
83	Who tweets? Deriving the demographic characteristics of age, occupation and social class from twitter user meta-data. *PLoS ONE*, **2015**, 10, e0115545	3.7	176
82	Towards an Ethical Framework for Publishing Twitter Data in Social Research: Taking into Account Users' Views, Online Context and Algorithmic Estimation. *Sociology*, **2017**, 51, 1149-1168	2.6	134
81	Us and them: identifying cyber hate on Twitter across multiple protected characteristics. *EPJ Data Science*, **2016**, 5, 11	3.4	119
80	Tweeting the terror: modelling the social media reaction to the Woolwich terrorist attack. *Social Network Analysis and Mining*, **2014**, 4, 1	2.2	113
79	140 characters to victory?: Using Twitter to predict the UK 2015 General Election. *Electoral Studies*, **2016**, 41, 230-233	1.2	108
78	Early-stage malware prediction using recurrent neural networks. *Computers and Security*, **2018**, 77, 578-594	4.9	105
77	Cyberhate on Social Media in the aftermath of Woolwich: A Case Study in Computational Criminology and Big Data. *British Journal of Criminology*, **2016**, 56, 211-238	2.1	93
76	Knowing the Tweeters: Deriving Sociologically Relevant Demographics from Twitter. *Sociological Research Online*, **2013**, 18, 74-84	1	86
75	Detecting tension in online communities with computational Twitter analysis. *Technological Forecasting and Social Change*, **2015**, 95, 96-108	9.5	82
74	Analysing the connectivity and communication of suicidal users on twitter. *Computer Communications*, **2016**, 73, 291-300	5.1	60
73	Future developments in cyber risk assessment for the internet of things. *Computers in Industry*, **2018**, 102, 14-22	11.6	58
72	Malware classification using self organising feature maps and machine activity data. *Computers and Security*, **2018**, 73, 399-410	4.9	58
71	Machine Classification and Analysis of Suicide-Related Communication on Twitter **2015**,		57
70	Multi-class machine classification of suicide-related communication on Twitter. *Online Social Networks and Media*, **2017**, 2, 32-44	3.3	51
69	Big and broad social data and the sociological imagination: A collaborative response. *Big Data and Society*, **2014**, 1, 205395171454513	5.3	51

68	Can We Predict a Riot? Disruptive Event Detection Using Twitter. *ACM Transactions on Internet Technology*, **2017**, 17, 1-26	3.8	50
67	On the origin of PCDS (Probability consequence diagrams). *Safety Science*, **2015**, 72, 229-239	5.8	43
66	Crime Sensing with Big Data: The Affordances and Limitations of using Open Source Communications to Estimate Crime Patterns. *British Journal of Criminology*, **2016**, azw031	2.1	36
65	Digital Wildfires. *ACM Transactions on Information Systems*, **2016**, 34, 1-23	4.8	30
64	A Fuzzy Approach to Text Classification With Two-Stage Training for Ambiguous Instances. *IEEE Transactions on Computational Social Systems*, **2019**, 6, 227-240	4.5	24
63	Analyzing Hadoop power consumption and impact on application QoS. *Future Generation Computer Systems*, **2016**, 55, 213-223	7.5	23
62	The Ethical Challenges of Publishing Twitter Data for Research Dissemination **2017**,		23
61	Automation of the supplier role in the GB power system using blockchain-based smart contracts. *CIRED - Open Access Proceedings Journal*, **2017**, 2017, 2619-2623	0.1	23
60	The Enemy Among Us *ACM Transactions on the Web*, **2019**, 13, 1-26	3.2	21
59	Linking Twitter and Survey Data: The Impact of Survey Mode and Demographics on Consent Rates Across Three UK Studies. *Social Science Computer Review*, **2020**, 38, 517-532	3.1	19
58	Hate in the Machine: Anti-Black and Anti-Muslim Social Media Posts as Predictors of Offline Racially and Religiously Aggravated Crime. *British Journal of Criminology*, **2019**,	2.1	18
57	EclipseIoT: A secure and adaptive hub for the Internet of Things. *Computers and Security*, **2018**, 78, 477-490	4.9	18
56	Interaction and Transformation on Social Media: The Case of Twitter Campaigns. *Social Media and Society*, **2018**, 4, 205630511775072	2.3	17
55	Challenges and performance metrics for security operations center analysts: a systematic review. *Journal of Cyber Security Technology*, **2020**, 4, 125-152	1.3	16
54	Cyberattacks and Countermeasures for In-Vehicle Networks. *ACM Computing Surveys*, **2021**, 54, 1-37	13.4	16
53	PharmaCrypt: Blockchain for Critical Pharmaceutical Industry to Counterfeit Drugs. *Computer*, **2020**, 53, 29-44	1.6	15
52	Chapter 2: Users Views of Ethics in Social Media Research: Informed Consent, Anonymity, and Harm. *Advances in Research Ethics and Integrity*, **2017**, 27-52	0.2	14
51	Identifying cyber risk hotspots: A framework for measuring temporal variance in computer network risk. *Computers and Security*, **2016**, 57, 31-46	4.9	13

50	A naïve bayes approach to classifying topics in suicide notes. *Biomedical Informatics Insights*, **2012**, 5, 87-97	4.9	13
49	Arabic Event Detection in Social Media. *Lecture Notes in Computer Science*, **2015**, 384-401	0.9	13
48	SCADA System Forensic Analysis Within IIoT. *Springer Series in Advanced Manufacturing*, **2017**, 73-101	0.9	11
47	A Forensic Taxonomy of SCADA Systems and Approach to Incident Response		11
46	Digital wildfires. *ACM SIGCAS Computers and Society*, **2016**, 45, 193-201	0	11
45	Real-time Classification of Malicious URLs on Twitter using Machine Activity Data **2015**,		10
44	Design of a dynamic and self-adapting system, supported with artificial intelligence, machine learning and real-time intelligence for predictive cyber risk analytics in extreme environments cyber risk in the colonisation of Mars. *Safety in Extreme Environments*, **2020**, 2, 219-230	0.8	10
43	Impact and Key Challenges of Insider Threats on Organizations and Critical Businesses. *Electronics (Switzerland)*, **2020**, 9, 1460	2.6	9
42	Prediction of drive-by download attacks on Twitter. *Information Processing and Management*, **2019**, 56, 1133-1145	6.3	9
41	Feature Extraction and Analysis for Identifying Disruptive Events from Social Media **2015**,		8
40	Cybersecurity of Industrial Cyber-Physical Systems: A Review. *ACM Computing Surveys*,	13.4	8
39	Unsupervised Approach for Detecting Low Rate Attacks on Network Traffic with Autoencoder **2018** ,		8
38	Suspended Accounts: A Source of Tweets with Disgust and Anger Emotions for Augmenting Hate Speech Data Sample **2018**,		8
37	Fuzzy Multi-task Learning for Hate Speech Type Identification **2019**,		7
36	140 Characters to Victory?: Using Twitter to Predict the UK 2015 General Election. *SSRN Electronic Journal*, **2015**,	1	7
35	Epistemological Equation for Analysing Uncontrollable States in Complex Systems: Quantifying Cyber Risks from the Internet of Things.. *The Review of Socionetwork Strategies*, **2021**, 15, 381-411	0.6	7
34	A Cyber Forensic Taxonomy for SCADA Systems in Critical Infrastructure. *Lecture Notes in Computer Science*, **2016**, 27-39	0.9	7
33	Privacy-Aware Cloud Ecosystems and GDPR Compliance **2019**,		7

32	Social media forensics applied to assessment of post-critical incident social reaction: The case of the 2017 Manchester Arena terrorist attack. *Forensic Science International*, **2020**, 313, 110364	2.6	6
31	Antisemitism on Twitter: Collective Efficacy and the Role of Community Organisations in Challenging Online Hate Speech. *Social Media and Society*, **2020**, 6, 205630512091685	2.3	6
30	The Number and Characteristics of Newspaper and Twitter Reports on Suicides and Road Traffic Deaths in Young People. *Archives of Suicide Research*, **2019**, 23, 507-522	2.3	6
29	Temporal TF-IDF: A High Performance Approach for Event Summarization in Twitter **2016**,		6
28	Identifying Disruptive Events from Social Media to Enhance Situational Awareness **2015**,		5
27	Self Protecting Data for De-perimeterised Information Sharing **2009**,		5
26	The Response in Twitter to an Assisted Suicide in a Television Soap Opera. *Crisis*, **2016**, 37, 392-395	2.8	5
25	Dynamic real-time risk analytics of uncontrollable states in complex internet of things systems: cyber risk at the edge. *Environment Systems and Decisions*, **2020**, 41, 1-12	4.1	5
24	LAB to SOC: Robust Features for Dynamic Malware Detection **2019**,		4
23	Assessing Data Breach Risk in Cloud Systems **2015**,		3
22	Chatty factories: a vision for the future of product design and manufacture with IoT **2019**,		3
21	Are youth suicide memorial sites on Facebook different from those for other sudden deaths?. *Death Studies*, **2020**, 44, 793-801	3.9	3
20	Unsupervised Learning for Product Use Activity Recognition: An Exploratory Study of a "Chatty Device". *Sensors*, **2021**, 21,	3.8	3
19	A three-tiered intrusion detection system for industrial control systems. *Translational Research in Oral Oncology*, **2021**, 7,	3.8	3
18	Getting to the root of the problem: A detailed comparison of kernel and user level data for dynamic malware analysis. *Journal of Information Security and Applications*, **2019**, 48, 102365	3.5	2
17	Analysing Security requirements in Cloud-based Service Level Agreements **2014**,		2
16	Private Lenderss Demand for Audit. *SSRN Electronic Journal*,	1	2
15	Emotions Behind Drive-by Download Propagation on Twitter. *ACM Transactions on the Web*, **2020**, 14, 1-26	3.2	2

14	Towards a Framework for Measuring the Performance of a Security Operations Center Analyst **2020**,		2
13	BLATTA: Early Exploit Detection on Network Traffic with Recurrent Neural Networks. *Security and Communication Networks*, **2020**, 2020, 1-15	1.9	2
12	MDSSF – A Federated Architecture for Product Procurement. *Lecture Notes in Computer Science*, **2006**, 812-821	0.9	2
11	A Configurable Dependency Model of a SCADA System for Goal-Oriented Risk Assessment. *Applied Sciences (Switzerland)*, **2022**, 12, 4880	2.6	2
10	Determining and Sharing Risk Data in Distributed Interdependent Systems. *Computer*, **2017**, 50, 72-79	1.6	1
9	1st International Workshop on Search and Mining Terrorist Online Content & Advances in Data Science for Cyber Security and Risk on the Web **2017**,		1
8	'Digital Wildfires' **2015**,		1
7	Secure Virtual Organisations: Protocols and Requirements **2005**, 422-431		1
6	Disrupting networks of hate: characterising hateful networks and removing critical nodes. *Social Network Analysis and Mining*, **2022**, 12, 1	2.2	0
5	Chatty Devices and edge-based activity classification. *Discover Internet of Things*, **2021**, 1, 1		0
4	A Grid-Enabled Security Framework for Collaborative Virtual Organisations **2004**, 415-422		
3	Grid Based E-Procurement **2005**, 1		
2	Real-Time Malware Process Detection and Automated Process Killing. *Security and Communication Networks*, **2021**, 2021, 1-23	1.9	
1	Bane or Boon: Measuring the effect of evasive malware on system call classifiers. *Journal of Information Security and Applications*, **2022**, 67, 103202	3.5	